

Junos[®] Space

Connectivity Services Director API Reference

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5.0R1

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Use this guide to automate the provisioning and management of services by using Junos Space Connectivity Services Director, on devices like ACX Series routers, M Series routers, MX Series routers, PTX Series routers, and TCA Series Timing Appliances.

Documentation and Release Notes

To obtain the most current version of all Juniper Networks® technical documentation, see the product documentation page on the Juniper Networks website at <https://www.juniper.net/documentation/>.

If the information in the latest release notes differs from the information in the documentation, follow the product Release Notes.

Juniper Networks Books publishes books by Juniper Networks engineers and subject matter experts. These books go beyond the technical documentation to explore the nuances of network architecture, deployment, and administration. The current list can be viewed at <https://www.juniper.net/books>.

Documentation Conventions

Table 1 on page xxxvi defines notice icons used in this guide.

Table 1: Notice Icons







| Icon | Meaning | Description |
|---|--------------------|---|
|  | Informational note | Indicates important features or instructions. |
|  | Caution | Indicates a situation that might result in loss of data or hardware damage. |
|  | Warning | Alerts you to the risk of personal injury or death. |
|  | Laser warning | Alerts you to the risk of personal injury from a laser. |
|  | Tip | Indicates helpful information. |
|  | Best practice | Alerts you to a recommended use or implementation. |

Table 2 on page xxxvi defines the text and syntax conventions used in this guide.

Table 2: Text and Syntax Conventions

| Convention | Description | Examples |
|------------------------------|---|--|
| Bold text like this | Represents text that you type. | To enter configuration mode, type the configure command: user@host> configure |
| Fixed-width text like this | Represents output that appears on the terminal screen. | user@host> show chassis alarms No alarms currently active |
| <i>Italic text like this</i> | <ul style="list-style-type: none"> Introduces or emphasizes important new terms. Identifies guide names. Identifies RFC and Internet draft titles. | <ul style="list-style-type: none"> A policy <i>term</i> is a named structure that defines match conditions and actions. <i>Junos OS CLI User Guide</i> RFC 1997, <i>BGP Communities Attribute</i> |

Table 2: Text and Syntax Conventions (*continued*)

| Convention | Description | Examples |
|--------------------------------|--|--|
| <i>Italic text like this</i> | Represents variables (options for which you substitute a value) in commands or configuration statements. | Configure the machine's domain name: [edit] root@# set system domain-name <i>domain-name</i> |
| Text like this | Represents names of configuration statements, commands, files, and directories; configuration hierarchy levels; or labels on routing platform components. | <ul style="list-style-type: none"> To configure a stub area, include the stub statement at the [edit protocols ospf area area-id] hierarchy level. The console port is labeled CONSOLE. |
| < > (angle brackets) | Encloses optional keywords or variables. | stub <default-metric <i>metric</i> >; |
| (pipe symbol) | Indicates a choice between the mutually exclusive keywords or variables on either side of the symbol. The set of choices is often enclosed in parentheses for clarity. | broadcast multicast (<i>string1</i> <i>string2</i> <i>string3</i>) |
| # (pound sign) | Indicates a comment specified on the same line as the configuration statement to which it applies. | rsvp { # Required for dynamic MPLS only |
| [] (square brackets) | Encloses a variable for which you can substitute one or more values. | community name members [<i>community-ids</i>] |
| Indentation and braces ({ }) | Identifies a level in the configuration hierarchy. | [edit] routing-options { static { route default { nexthop <i>address</i> ; retain; } } } |
| ; (semicolon) | Identifies a leaf statement at a configuration hierarchy level. | |

GUI Conventions

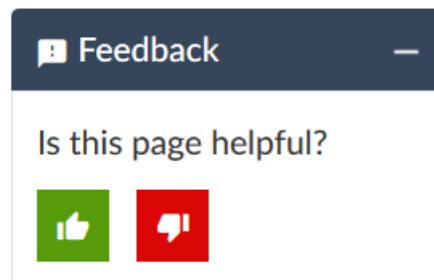
Table 2: Text and Syntax Conventions (*continued*)

| Convention | Description | Examples |
|------------------------------|--|---|
| Bold text like this | Represents graphical user interface (GUI) items you click or select. | <ul style="list-style-type: none"> In the Logical Interfaces box, select All Interfaces. To cancel the configuration, click Cancel. |
| > (bold right angle bracket) | Separates levels in a hierarchy of menu selections. | In the configuration editor hierarchy, select Protocols>Ospf . |

Documentation Feedback

We encourage you to provide feedback so that we can improve our documentation. You can use either of the following methods:

- Online feedback system—Click TechLibrary Feedback, on the lower right of any page on the [Juniper Networks TechLibrary](#) site, and do one of the following:



- Click the thumbs-up icon if the information on the page was helpful to you.
- Click the thumbs-down icon if the information on the page was not helpful to you or if you have suggestions for improvement, and use the pop-up form to provide feedback.
- E-mail—Send your comments to techpubs-comments@juniper.net. Include the document or topic name, URL or page number, and software version (if applicable).

Requesting Technical Support

Technical product support is available through the Juniper Networks Technical Assistance Center (JTAC). If you are a customer with an active Juniper Care or Partner Support Services support contract, or are

covered under warranty, and need post-sales technical support, you can access our tools and resources online or open a case with JTAC.

- JTAC policies—For a complete understanding of our JTAC procedures and policies, review the *JTAC User Guide* located at <https://www.juniper.net/us/en/local/pdf/resource-guides/7100059-en.pdf>.
- Product warranties—For product warranty information, visit <https://www.juniper.net/support/warranty/>.
- JTAC hours of operation—The JTAC centers have resources available 24 hours a day, 7 days a week, 365 days a year.

Self-Help Online Tools and Resources

For quick and easy problem resolution, Juniper Networks has designed an online self-service portal called the Customer Support Center (CSC) that provides you with the following features:

- Find CSC offerings: <https://www.juniper.net/customers/support/>
- Search for known bugs: <https://prsearch.juniper.net/>
- Find product documentation: <https://www.juniper.net/documentation/>
- Find solutions and answer questions using our Knowledge Base: <https://kb.juniper.net/>
- Download the latest versions of software and review release notes: <https://www.juniper.net/customers/csc/software/>
- Search technical bulletins for relevant hardware and software notifications: <https://kb.juniper.net/InfoCenter/>
- Join and participate in the Juniper Networks Community Forum: <https://www.juniper.net/company/communities/>
- Create a service request online: <https://myjuniper.juniper.net>

To verify service entitlement by product serial number, use our Serial Number Entitlement (SNE) Tool: <https://entitlementsearch.juniper.net/entitlementsearch/>

Creating a Service Request with JTAC

You can create a service request with JTAC on the Web or by telephone.

- Visit <https://myjuniper.juniper.net>.
- Call 1-888-314-JTAC (1-888-314-5822 toll-free in the USA, Canada, and Mexico).

For international or direct-dial options in countries without toll-free numbers, see <https://support.juniper.net/support/requesting-support/>.

1

PART

Introduction

REST API Overview | 2

REST API Overview

IN THIS CHAPTER

- [Connectivity Services Director REST API Overview | 2](#)
- [About Monitor Mode in Service View of Connectivity Services Director | 7](#)
- [Modified and New REST APIs for Migrating from Services Activation Director to Connectivity Services Director | 9](#)

Connectivity Services Director REST API Overview

The Juniper Networks Connectivity Services Director APIs are based on the Representational State Transfer (REST) standards. REST defines a set of principles for defining Web services, including how a system's resource states are transferred over HTTP. Clients can be written in any language that sends HTTP requests.

You use standard HTTP methods to access the Connectivity Services Director APIs. For example, HTTP GET is used by a client application to retrieve a resource, get data from a Web server or to execute a query. Common HTTP methods for REST are:

- GET – Retrieve a resource from the server.
- POST – Update a resource on the server.
- PUT – Create a resource state on the server.
- DELETE – Remove a resource state on the server.

The following media types are supported:

- For APIs that employ the GET method—Accept is used because a Response is the only involved operation here. The Accept type determines the type of the Response obtained. The Response can be either in XML or in JSON format.
- For APIs that employ the POST method—Content-type that determines the type of the input payload or request that is sent, is used.

- For APIs that employ the PUT method—Content-type that determines the type of the input payload or request that is sent, is used.
- For APIs that employ the DELETE method—Accept is used because a Response is the only involved operation here.

The Accept type determines the type of the response obtained. The Response can be either in XML or in JSON format. For example, for the Add Customer API, the Content and Accept types for XML are as follows:

Content-Type—application/vnd.net.juniper.space.customer-management.customers+xml

Accept—application/vnd.net.juniper.space.customer-management.customers-status+xml

Retrieved resources are displayed in human-readable format. Connectivity Services Director APIs return data in XML or JavaScript Object Notation (JSON).

The following RESTful Web Services are exposed under the Junos Space Connectivity Services Director root URI:

- Customers
- Provider edge (PE) devices
- Prestage devices
- Resource pools
- Service definitions for E-Line , E-LAN, and IP services
- Service orders for E-Line , E-LAN, and IP services
- Service operations for E-Line , E-LAN, and IP services
- Service templates for E-Line , E-LAN, and IP services
- Bulk operations for E-Line services
- Functional and configuration audit
- CFM profiles for services
- Performance management (PM) statistics
- Service definitions and service orders for LSP services
- OAM services for LFM, CFM, and SLA iterators
- Services for RFC 2544-based benchmarking tests
- Timing services for synchronous Ethernet and PTP

Connectivity Services Director RESTful Web Services provide programmatic access to the resources that are defined in Junos Space Connectivity Services Director. Connectivity Services Director RESTful Web Services follow the same standards and conventions as the Junos Space Network Application Platform RESTful Web Services. T

NOTE: Connectivity Services Director-related RESTful Web Services are exposed under the [/api/juniper/space](#) URI.

Example resource returned in XML format

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Customers>
    <Customer>
      <Common>
        <Name>Customer_005</Name>
      </Common>
      <AccountNo>40132324005</AccountNo>
      <ContactName>customer005</ContactName>
      <ContactEmail>customer005@example.com</ContactEmail>
    </Customer>
  </Customers>
</Data>
```

Example resource returned in JSON format

```
{ "Data" : { "Customers" : { "Customer" : { "AccountNo" : 40132324005,
      "Common" : { "Name" : "Customer_005" },
      "ContactEmail" : "customer005@example.com",
      "ContactName" : "customer005"
    } } } }
```

Format and Conventions of RESTful Web Services

The media type for the Connectivity Services Director application must be in the following format:

application/vendor.space.service.type+syntax;version=version number or

vendor.space.service.type+syntax;version=version number

For example, `application/vnd.net.juniper.space.monitoring.alarmscount+json;version=1`

[Table 3 on page 5](#) describes these parameters.

Table 3: Media parameters

| Parameter | Description |
|-----------|--|
| vendor | <p>Vendor of the media type.</p> <p>Media types defined by Juniper Networks use vnd.net.juniper. Third-parties must use their own vendor string when defining web services in applications that are deployed on Junos Space.</p> |
| service | <p>Name of the Junos Space-specific service.</p> <p>Service names are lowercase alphanumeric tokens with hyphen separators; for example, device-management, incident-management.</p> |
| type | <p>Type of resource.</p> <p>Types are all lowercase alphanumeric tokens with hyphen separators; for example, device, incident.</p> |
| syntax | Representation of the resource. For example, xml. |
| version | Version of the API; versions begin with the numeral 1. |

REST standards are well-described in books and on the Internet. It is not the intent of this guide to discuss the RESTful architecture. This document deals with the REST APIs exposed by Connectivity Services Director.

For information about Junos Space SDK, see [Junos Space SDK](#).

Payload and Response Types Supported in XML and JSON Formats

Payload or request can be in both XML format and JSON format, although this reference guide illustrates only the XML type input or payload in the sample APIs. An API is available for converting any given XML payload into a JSON payload. See [“Conversion of XML Format to JSON Format” on page 6](#), for detailed information on converting the XML format into a JSON format. Responses to the API request calls can be in both the XML format and JSON format, although this reference guide describes only the XML type responses in the samples.

Conversion of XML Format to JSON Format

For the ease of the users, an additional API has been provided for converting the XML inputs to JSON format. If the XML inputs pertaining to the NetworkAppsAPI are given as input, then the corresponding JSON format output can be obtained from the API.

| | |
|--------------|--|
| URI | api/space/nsas/xml-json/convert"> |
| HTTP Method | GET |
| Consumes | application/xml |
| Content-Type | application/json |
| Produces | Collects all the configured E-LINE LDP service orders. |

Input (Converting the AddCustomer XML-Input to JSON-Input)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<Customers>
  <Customer>
    <Common>
      <Name>Customer_005</Name>
    </Common>
    <AccountNo>40132324005</AccountNo>
    <ContactName>customer005</ContactName>
    <ContactEmail>customer005@example.com</ContactEmail>
  </Customer>
</Customers>
</Data>
```

Output (JSON Format of the Preceding Input)

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  {"Data":{"Customers":{"Customer":{"Common":{"Name":"Customer_005"},
    "AccountNo":40132324005,"ContactName":"customer005","
    ContactEmail":"customer005@example.com"}}}}}

```

NOTE: Read this guide in conjunction with the [Network Director API Reference](#) for information about the REST APIs that you can configure for some of the functionalities available in views other than Service view of Connectivity Services Director. These APIs also define the fault and alarm notification APIs.

About Monitor Mode in Service View of Connectivity Services Director

IN THIS SECTION

- [Quick Access to Important Troubleshooting Details | 8](#)
- [Performance Monitoring | 8](#)
- [View and Clear Interface Information | 8](#)
- [View Interface Status | 8](#)
- [View Routing Table | 8](#)
- [View MAC Table | 9](#)
- [Traceroute for an MPLS LSP | 9](#)
- [MPLS Ping | 9](#)

Monitor mode in Connectivity Services Director provides you visibility into the transmission of packets between peer devices, health and traffic-handling capacity, and consolidated statistical details of important packet metrics based on the services configured. The Connectivity Services Director application monitors its managed services on devices and maintains the information it collects from the devices in a database. Monitor mode displays this information in easy-to-understand graphs and in tables that you can sort and filter, allowing you to quickly visualize the state of your network, spot trends developing over time, and find important details.

This topic describes the following functionalities that are available in Monitor mode of Service View:

Quick Access to Important Troubleshooting Details

The main purpose and benefit of monitoring functionalities is to allow the operators to quickly monitor the health (working condition), operating efficiency, traffic-handling capacity, and performance status of the managed devices and configured services. Several monitors or widgets are displayed to enable you to track, diagnose, and rectify problems and discrepancies associated with services configured on devices. For example, you might observe that an L3VPN service is reported as down from the summarized information presented for that service on the monitoring page. This high-level view enables you to navigate to the settings for that service and tune them properly to function properly.

Performance Monitoring

You can employ the ITU-T Y.1731 standard-compliant Ethernet loss measurement (ETH-LM), Ethernet synthetic loss measurement (ETH-SLM), and Ethernet delay measurement (ETH-DM) capabilities to analyze and examine the operating efficiency and performance status. These performance monitoring functionalities can be run for E-Line and E-LAN services. You can start and stop the collection of performance monitoring statistics on the services that you want to monitor. The retrieval and computation of statistical details are performed using SNMP MIBs.

View and Clear Interface Information

You can view the learned MAC address information for a device associated with a particular service, the interface statistical counters and metrics, and the status of an interface. The functionalities available in Monitor mode of Service View are equivalents to the operational commands you can run from the Junos CLI interface to view interface information or MAC address details. You can also clear the interface statistics maintained on a device.

View Interface Status

You can view the interface status to monitor interface bandwidth utilization and traffic statistics on the device. When you view the interface status for a particular service, all the interfaces configured on the different devices associated the service are retrieved and displayed.

View Routing Table

The Routing Table window enables you view the routing table information for the selected virtual routing instance. For L3VPN services, you can determine which LSPs or tunnels are being used by looking at the routing tables.

View MAC Table

You can view the learned MAC address information for a device associated with a particular service. You can manage MAC entries more efficiently by viewing the configured aging time for a MAC entry, which is the maximum time that an entry can remain in the MAC address table before it is deleted because it has reached its maximum age.

Traceroute for an MPLS LSP

You can perform a traceroute operation to examine the network reachability and identify connection failures from a source or ingress host to a remote host for an MPLS LSP signaled by RSVP. It is a debugging tool to locate MPLS label-switched path (LSP) forwarding issues in a network. (Currently supported for IPv4 packets only.)

MPLS Ping

You can use the MPLS ping application to examine the network reachability and identify any broken links for diagnostic purposes. In IP networks, the ping and traceroute functionalities enable you to verify network connectivity and find broken links or loops. In MPLS-enabled networks, you can use the ping capability to determine whether IP connectivity exists to a destination even when the ping packets must traverse multiple LSPs.

RELATED DOCUMENTATION

About Build Mode in Service View of Connectivity Services Director

About Deploy Mode in Service View of Connectivity Services Director

About Fault Mode in All Views of Connectivity Services Director

Modified and New REST APIs for Migrating from Services Activation Director to Connectivity Services Director

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If you have already deployed Services Activation Director in your network for configuring, managing, and administering a large number of devices, and if you migrate to Connectivity Services Director, it is essential to be familiar with the different REST Web Services that are enhanced or newly introduced in Connectivity Services Director. This topic contains the following sections that describe the REST API calls that are modified or newly added in Connectivity Services Director. For the REST APIs that are modified from Services Activation Director, the parameters that are added are highlighted and their significance is also mentioned. Examples of request and response XML calls are also included.

Modified REST APIs in Connectivity Services Director

This section describes the REST APIs that were present in Services Activation Director and are modified in Connectivity Services Director. The parameters that are updated or newly added in the APIs are listed.

Modify an LSP Service Order

This request is used to modify a particular LSP service order.

| | |
|----------------------------|---|
| New Parameters | "RSVPLSPConfigOrderParameterType SetupPriority (Integer) HoldPriority (Integer) ClassOfService (Integer) " |
| Description of the Changes | The three new parameters are sent in request payload to configure them at root LSP level. In Services Activation Director, you could configure these parameters at Primary and Secondary LSP paths only. In the old version of API, these parameters are not used and therefore, they are not sent in the request payload). A value of -1 indicates that parameter must be deleted from the service order |
| URI | api/space/nsas/rsvp-lsp/service-management/service-orders/{service_order_id} |
| HTTP Method | POST |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml;version=3 |
| Content Type | application/vnd.net.juniper.space.service-management.service-order+xml;version=3;charset=UTF-8 |
| Produces | Modifies an existing LSP service order. |

Mandatory Parameters


```

"<?xml version="1.0" encoding="UTF-8"?>
<Data
xmlns="services.schema.networkapi.jnp.juniper.net">

  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>lsp2</Name>
      </Common>
      <LSPPattern key="134"/>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <TA>
            <Source>

<DeviceName>960R1_EN_Alok_re</DeviceName>
              <DeviceID>65560</DeviceID>
            </Source>
            <Destination>

<DeviceName>960R2_EN_Alok_re</DeviceName>
              <DeviceID>65539</DeviceID>
            </Destination>
          </TA>
        </DeviceInfo>
        <ServiceEndPoint>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:type="RSVPLSPBFDEndPointParameterOrderType">

            <PrimaryPath>
              <PathName>primary</PathName>

            <SetupPriority>7</SetupPriority>
              <Adaptive>Disabled</Adaptive>

            <HoldPriority>0</HoldPriority>

            <ClassOfService>0</ClassOfService>
              <HopLimit>255</HopLimit>
              <Bandwidth>-1</Bandwidth>
              <Paths>

```

```

        <Path>

<PathName>primary</PathName>

<IPAddress>40.1.3.2</IPAddress>

<Connection>Strict</Connection>
        </Path>
        <Path>

<PathName>primary</PathName>

<IPAddress>40.3.4.1</IPAddress>

<Connection>Strict</Connection>
        </Path>
        </Paths>
        </PrimaryPath>
        <SecondaryPath>

<PathName>secondary</PathName>

<SetupPriority>7</SetupPriority>
        <Adaptive>Disabled</Adaptive>

<HoldPriority>0</HoldPriority>

<ClassOfService>1</ClassOfService>
        <HopLimit>255</HopLimit>
        <Bandwidth>-1</Bandwidth>
        <StandBy>undefined</StandBy>

        <Paths>
                <Path>

<PathName>secondary</PathName>

<IPAddress>40.1.2.2</IPAddress>

<Connection>Loose</Connection>
        </Path>
        <Path>

<PathName>secondary</PathName>

```

```

<IPAddress>40.2.4.2</IPAddress>

<Connection>Loose</Connection>
    </Path>
    </Paths>
    </SecondaryPath>
    </ServiceEndpointConfiguration>
    </ServiceEndPoint>
    </ServiceEndPointGroup>
    <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:type="RSVP_LSP_BFD_Config_Parameter_Order_Type">

    <ClassOfService>-1</ClassOfService>

    <HopLimit>255</HopLimit>
    <HoldPriority>0</HoldPriority>
    <SetupPriority>7</SetupPriority>
    <StandBy>false</StandBy>
    <Adaptive>Disabled</Adaptive>
    <RetryLimit>0</RetryLimit>
    <RetryTimer>30</RetryTimer>
    <BandWidth>-1</BandWidth>

<LDPTunneling>Disabled</LDPTunneling>
    <ProtectionSetting>
        <LSPPProtectionType>Path
Protection</LSPPProtectionType>
        <EnableFR>Disabled</EnableFR>
    </ProtectionSetting>
    <BFD>
        <BFDDetection>This
LSP</BFDDetection>
        <MinInterval>300</MinInterval>

<MinReceiveInterval>50</MinReceiveInterval>

        <Multiplier>3</Multiplier>
        <NoAdaption>false</NoAdaption>

<TransmitMinInterval>50</TransmitMinInterval>

```

```

<FailureAction>Teardown</FailureAction>
    </BFD>
</ServiceOrderParameter>
</ServiceOrder>
</ServiceResource>
<CustomAction
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">

    <Action>SaveAndValidate</Action>
</CustomAction>
</Data>
"

```

Input

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>lsp2</Name>
      </Common>
      <ServiceType>RSVP</ServiceType>
      <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterDefType" />
        <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType" />
        <TransportActivate
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:type="RSVPLSPType">

          <Topology>P2P</Topology>
          <PathSelectionType>CSPF</PathSelectionType>
          <LSPProtectionType Editable="true">Path
Protection</LSPProtectionType>
          <Advanced>
            <HopLimit Editable="true">255</HopLimit>
            <ClassofService Editable="true">-1</ClassofService>

```

```

    <Bandwidth Editable="true">-1</Bandwidth>
    <HoldPriority Editable="true">0</HoldPriority>
    <SetupPriority Editable="true">7</SetupPriority>
    <RetryLimit Editable="true">0</RetryLimit>
    <RetryTimer Editable="true">30</RetryTimer>
    <FastReroute Editable="true">>false</FastReroute>
    <LDPTunneling Editable="true">>false</LDPTunneling>
    <Standby Editable="true">>false</Standby>
    <Adaptive Editable="true">>false</Adaptive>
  </Advanced>
  <Autobandwidth>
    <AutoBWidth Editable="true">>false</AutoBWidth>
  </Autobandwidth>
  <BFD>
    <BFDdetection>This LSP</BFDdetection>
    <MinimumInterval Editable="true">300</MinimumInterval>
    <MiniRecieveInterval Editable="true">50</MiniRecieveInterval>

    <Multiplier Editable="true">3</Multiplier>
    <TransmitMinInterval Editable="true">50</TransmitMinInterval>

    <TransmitThreshold Editable="true" />
    <DetectionThreshold Editable="true" />
    <NoAdaption Editable="true">>false</NoAdaption>
    <FailureAction Editable="true">Teardown</FailureAction>
  </BFD>
</TransportActivate>
</ServiceDefinition>
<ServiceOrder>
  <Common>
    <Name>lsp2</Name>
  </Common>
  <LSPPattern key="134" />
  <ServiceEndPointGroup>
    <DeviceInfo>
      <TA>
        <Source>
          <DeviceName>960R1_EN_Alok_re</DeviceName>
          <DeviceID>65560</DeviceID>
        </Source>
        <Destination>
          <DeviceName>960R2_EN_Alok_re</DeviceName>

```

```

        <DeviceID>65539</DeviceID>
    </Destination>
</TA>
</DeviceInfo>
<ServiceEndPoint>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="RSVPLSPBFDEndPointParameterOrderType">
        <PrimaryPath>
            <PathName>primary</PathName>
            <SetupPriority>7</SetupPriority>
            <Adaptive>Disabled</Adaptive>
            <HoldPriority>0</HoldPriority>
            <ClassOfService>0</ClassOfService>
            <HopLimit>255</HopLimit>
            <Bandwidth>-1</Bandwidth>
            <Paths>
                <Path>
                    <PathName>primary</PathName>
                    <IPAddress>40.1.3.2</IPAddress>
                    <Connection>Strict</Connection>
                </Path>
                <Path>
                    <PathName>primary</PathName>
                    <IPAddress>40.3.4.1</IPAddress>
                    <Connection>Strict</Connection>
                </Path>
            </Paths>
        </PrimaryPath>
        <SecondaryPath>
            <PathName>secondary</PathName>
            <SetupPriority>7</SetupPriority>
            <Adaptive>Disabled</Adaptive>
            <HoldPriority>0</HoldPriority>
            <ClassOfService>1</ClassOfService>
            <HopLimit>255</HopLimit>
            <Bandwidth>-1</Bandwidth>
            <StandBy>undefined</StandBy>
            <Paths>
                <Path>
                    <PathName>secondary</PathName>
                    <IPAddress>40.1.2.2</IPAddress>

```

```

        <Connection>Loose</Connection>
    </Path>
    <Path>
        <PathName>secondary</PathName>
        <IPAddress>40.2.4.2</IPAddress>
        <Connection>Loose</Connection>
    </Path>
</Paths>
</SecondaryPath>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="RSVPLSPBFDCConfigParameterOrderType">
    <ClassOfService>-1</ClassOfService>
    <HopLimit>255</HopLimit>
    <HoldPriority>0</HoldPriority>
    <SetupPriority>7</SetupPriority>
    <StandBy>false</StandBy>
    <Adaptive>Disabled</Adaptive>
    <RetryLimit>0</RetryLimit>
    <RetryTimer>30</RetryTimer>
    <BandWidth>-1</BandWidth>
    <LDPTunneling>Disabled</LDPTunneling>
    <ProtectionSetting>
        <LSPProtectionType>Path Protection</LSPProtectionType>
        <EnableFR>Disabled</EnableFR>
    </ProtectionSetting>
    <BFD>
        <BFDDetection>This LSP</BFDDetection>
        <MinInterval>300</MinInterval>
        <MinReceiveInterval>50</MinReceiveInterval>
        <Multiplier>3</Multiplier>
        <NoAdaption>false</NoAdaption>
        <TransmitMinInterval>50</TransmitMinInterval>
        <FailureAction>Teardown</FailureAction>
    </BFD>
</ServiceOrderParameter>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

```

```
xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndValidate</Action>
</CustomAction>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>221</Value>
    </Identity>
    <Job>
      <ID>196641</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
  </Status>
</Data>
```

Get an LSP Service Order By Order ID

This request is used to retrieve a particular LSP service order

| | |
|----------------|----------------------------------|
| New Parameters | "RSVPLSPConfigOrderParameterType |
| | SetupPriority (Integer) |
| | HoldPriority (Integer) |
| | ClassOfService (Integer) " |

| | |
|----------------------------|--|
| Description of the Changes | The three new parameters are returned in the response XML under parent tag RSVPLSPConfigOrderParameterType. These are the values configured at root level for LSP which will be inherited at primary and secondary path. If required, they can be overridden in the primary and secondary paths. |
| URI | /api/space/nsas/rsvp-lsp/service-management/service-orders/{service_order_id} |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Collects a particular LSP service order. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder key="262206"
uri="/api/space/nsas/rsvp-lsp/service-management/service-orders/262206"
href="/api/space/nsas/rsvp-lsp/service-management/service-orders/262206">
      <Common>
        <Name>p2p32</Name>
        <Identity>262206</Identity>
        <State>Validated</State>
        <CreatedDate>2015-11-19T11:30:14.000+05:30</CreatedDate>
        <LastUpdatedDate>2015-11-19T11:30:14.000+05:30</LastUpdatedDate>

        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>LSP</ServiceType>
      <LSPPattern
href="/api/space/nsas/lsp-pattern/service-management/service-patterns/196902"
uri="/api/space/nsas/lsp-pattern/service-management/service-patterns/196902"
```

```

key="196902">
    <PatternName>abcdd_transmit</PatternName>
    <PatternID>196902</PatternID>
    <PatternTemplate>$TransmitThreshold_dd</PatternTemplate>
</LSPPattern>
<Action>Provisioning</Action>
<ServiceEndPointGroup>
    <DeviceInfo>
        <TA>
            <Source key="65565"
uri="/api/space/nsas/prestage-ta-device/manage-devices/devices/65565"
href="/api/space/nsas/prestage-ta-device/manage-devices/devices/65565">
                <DeviceName>960R1_EN_Alok_re</DeviceName>
                <DeviceID>65565</DeviceID>
                <CMPDeviceID>131094</CMPDeviceID>
            </Source>
            <Destination key="65540"
uri="/api/space/nsas/prestage-ta-device/manage-devices/devices/65540"
href="/api/space/nsas/prestage-ta-device/manage-devices/devices/65540">
                <DeviceName>960R2_EN_Alok_re</DeviceName>
                <DeviceID>65540</DeviceID>
                <CMPDeviceID>131090</CMPDeviceID>
            </Destination>
            <LSPName>0_dd_20</LSPName>
        </TA>
    </DeviceInfo>
</ServiceEndPoint>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="RSVPLSPBFDEndPointParameterOrderType">
        <PrimaryPath>
            <PathName>My1</PathName>
            <SetupPriority>7</SetupPriority>
            <Adaptive>Disabled</Adaptive>
            <HoldPriority>0</HoldPriority>
            <ClassOfService>0</ClassOfService>
            <HopLimit>255</HopLimit>
            <Bandwidth>222</Bandwidth>
            <AdminGroups/>
        </PrimaryPath>
        <SecondaryPath>
            <PathName>My2</PathName>

```

```

        <SetupPriority>7</SetupPriority>
        <Adaptive>Disabled</Adaptive>
        <HoldPriority>0</HoldPriority>
        <ClassOfService>0</ClassOfService>
        <HopLimit>255</HopLimit>
        <StandBy>false</StandBy>
        <Bandwidth>222</Bandwidth>
        <AdminGroups/>
    </SecondaryPath>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceTemplates/>
<ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="RSVPSPBFDConfigParameterOrderType">
    <RetryLimit>2</RetryLimit>
    <RetryTimer>22</RetryTimer>
    <BandWidth>222</BandWidth>
    <LDPTunneling>Enabled</LDPTunneling>
    <AutoBandWidth>
        <AutoBandwidth>false</AutoBandwidth>
        <AdjustInterval>0</AdjustInterval>
        <MaxBandwidth>0</MaxBandwidth>
        <MinBandwidth>0</MinBandwidth>
    </AutoBandWidth>
    <ProtectionSetting>
        <LSPProtectionType>Path Protection</LSPProtectionType>
        <LocalProtection>N/A</LocalProtection>
    </ProtectionSetting>
    <HopLimit>255</HopLimit>
    <StandBy>false</StandBy>
    <Adaptive>Disabled</Adaptive>
    <SetupPriority>7</SetupPriority>
    <HoldPriority>0</HoldPriority>
    <ClassOfService>0</ClassOfService>
    <BFD>
        <BFDdetection>Primary Path</BFDdetection>
        <MinInterval>300</MinInterval>
        <MinReceiveInterval>50</MinReceiveInterval>
        <Multiplier>3</Multiplier>
        <NoAdaption>false</NoAdaption>
    </BFD>
</ServiceOrderParameter>

```

```

        <TransmitMinInterval>50</TransmitMinInterval>
        <TransmitThreshold>0</TransmitThreshold>
        <DetectionThreshold>0</DetectionThreshold>
        <FailureAction>Teardown</FailureAction>
    </BFD>
</ServiceOrderParameter>
<Reference>
    <ServiceDefinition>
        <ServiceDefinitionID
uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/262177"
href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/262177"
key="262177"/>
        </ServiceDefinition>
    <Service
uri="/api/space/nsas/rsvp-lsp/service-management/services/262211"
href="/api/space/nsas/rsvp-lsp/service-management/services/262211"
key="262211"/>
    </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Get All E-LAN Service Definitions

This request is used to retrieve all the configured E-LAN service definitions.

| | |
|----------------------------|---|
| New Parameters | ServiceType Signalling (String) |
| Description of the Changes | The Signalling value (LDP or BGP) was being shown wrongly in the UI for E-LAN Service Definitions. Therefore, this attribute is added to the xsd file to enable the appropriate values to be populated and sent to the REST layer. |
| URI | api/space/nsas/elan-vpls/service-management/ service-definitions |
| HTTP Method | GET |

| | |
|--------------|--|
| Consumes | application/vnd.net.juniper.space.service-management.service-definitions+xml;version=2 |
| Content Type | application/vnd.net.juniper.space.service-management.service-definitions+xml;version="2" |
| Produces | Collects all configured E-LAN service definitions. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="50">
    <ServiceDefinition key="3440713"
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/3440713"

href="/api/space/nsas/elan-vpls/service-management/service-definitions/3440713">

      <Common>
        <Name>SeenAgain</Name>
        <Identity>3440713</Identity>
        <State>Published</State>
        <CreateDate>2015-11-20T08:49:24.000+05:30</CreateDate>
        <LastUpdatedDate>2015-11-20T08:49:24.000+05:30</LastUpdatedDate>

        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>VPLS(BGP)</ServiceType>
      <InterfaceType>VPLS (Point-MultiPoint)</InterfaceType>
      <UseCount>0</UseCount>
      <UsedBy />
      <IsStandard>false</IsStandard>
    </ServiceDefinition>
    <ServiceDefinition key="2622064"
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/2622064"

href="/api/space/nsas/elan-vpls/service-management/service-definitions/2622064">

      <Common>
        <Name>LDPVPLS</Name>
```

```
<Identity>2622064</Identity>
<State>Published</State>
<CreateDate>2015-11-19T10:40:35.000+05:30</CreateDate>
<LastUpdatedDate>2015-11-19T10:40:35.000+05:30</LastUpdatedDate>

  <CreatedBy>super</CreatedBy>
</Common>
<ServiceType>VPLS(LDP)</ServiceType>
<InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
<UseCount>0</UseCount>
<UsedBy />
<IsStandard>>false</IsStandard>
</ServiceDefinition>
</ServiceResource>
</Data>
```

Create an IP Service Definition

This request is used to create an IP service definition.

| | |
|----------------|---|
| New Parameters | "ServiceDefinitionType IsStandard (Boolean) DecoupleStatus (Boolean)" "L3VPNEndPointParameterDefType MTU (L3VPNCommonDefType) EnableRateLimiting (L3VPNCommonDefType) DefaultBandwidth (L3VPNCommonDefType) MinBandwidth (L3VPNCommonDefType) MaxBandwidth (L3VPNCommonDefType) Increment (L3VPNCommonDefType) CalculateBurstSizeType (String) BurstPeriod (L3VPNCommonDefType) MTUFactor (L3VPNCommonDefType)" |
|----------------|---|

| | |
|----------------------------|--|
| Description of the Changes | <p>The IsStandard parameter enables you to identify whether the definition is created by a user or already existing in the system. Previously, DecoupleStatus was not handled as part of the REST API call.</p> <p>NOTE: You cannot create a service definition with 'isStandard' as true. The 'isStandard' parameter is set as true only for service definitions that are already present in the database. The other service definitions that are user-created contain the 'isStandard' parameter as false.</p> <p>All the parameters of L3VPNEndPointParameterDefType enable in allocation of bandwidth and rate limit the service. Rate-limiting parameters were already available in other service definitions except L3VPN.</p> <p>NOTE: MTUFactor and Burst Period are mutually exclusive.</p> |
| URI | /api/space/nsas/l3vpn/service-management/service-definitions |
| HTTP Method | POST |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition-status+xml;version=2 |
| Content Type | application/vnd.net.juniper.space.service-management.service-definition+xml;version=2;charset=UTF-8" |
| Produces | Creates an IP service definition. |

Input

Sample XML Input (With ServiceDefinitionType)

```
<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>SampleDefinition</Name>
        <Comments />
      </Common>
    </ServiceDefinition>
  </ServiceResource>
</Data>
```

```

        </Common>
        <ServiceType>L3VPN</ServiceType>
        <DecoupleStatus>true</DecoupleStatus>
        <InterfaceType>L3 VPN (Full Mesh)</InterfaceType>
        <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNServiceEndpointGroupParameterDefType">
            <RouteTarget selection="Auto pick" editable="true" />
            <RouteDistinguisher selection="Auto pick" editable="true" />
            <VRFTabelLabel editable="true">true</VRFTabelLabel>
            <ExportDirectRoutes>true</ExportDirectRoutes>
            <RoutingProtocol>OSPF/Static Route</RoutingProtocol>
            <PEInterfaceIP selection="Auto pick" editable="true" />
            <IPPoolType editable="false">Global</IPPoolType>
            <AddressBlockSize editable="true">28</AddressBlockSize>
        </ServiceElementConfigurationDefinition>
        <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNEndPointParameterDefType">
            <VlanIdSelection selection="Auto pick" editable="true" />
            <VlanIdManual max="4094" min="1" />
            <VlanIdAuto max="4094" min="1" />
            <MTU editable="true" min="1522" max="9192" default="1522" />
            <EnableRateLimiting>Enabled</EnableRateLimiting>
            <DefaultBandwidth editable="true">10</DefaultBandwidth>
            <MinBandwidth>1000</MinBandwidth>
            <MaxBandwidth>100</MaxBandwidth>
            <Increment>1000</Increment>
            <CalculateBurstSizeType>MTU Based</CalculateBurstSizeType>
            <MTUFactor editable="true">10</MTUFactor>
        </ServiceEndPointConfigurationDefinition>
    </ServiceDefinition>
</ServiceResource>
</Data>

```

Sample XML Input (With L3VPNEndPointParameterDefType)

```

<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>

```

```

<ServiceDefinition>
  <Common>
    <Name>SampleDefinition</Name>
    <Comments />
  </Common>
  <ServiceType>L3VPN</ServiceType>
  <DecoupleStatus>true</DecoupleStatus>
  <InterfaceType>L3 VPN (Full Mesh)</InterfaceType>
  <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNServiceEndpointGroupParameterDefType">
    <RouteTarget selection="Auto pick" editable="true" />
    <RouteDistinguisher selection="Auto pick" editable="true" />
    <VRFTabelLabel editable="true">true</VRFTabelLabel>
    <ExportDirectRoutes>true</ExportDirectRoutes>
    <RoutingProtocol>OSPF/Static Route</RoutingProtocol>
    <PEInterfaceIP selection="Auto pick" editable="true" />
    <IPPoolType editable="false">Global</IPPoolType>
    <AddressBlockSize editable="true">28</AddressBlockSize>
  </ServiceElementConfigurationDefinition>
  <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNEndPointParameterDefType">
    <VlanIdSelection selection="Auto pick" editable="true" />
    <VlanIdManual max="4094" min="1" />
    <VlanIdAuto max="4094" min="1" />
    <MTU editable="true" min="1522" max="9192" default="1522" />
    <EnableRateLimiting>Enabled</EnableRateLimiting>
    <DefaultBandwidth editable="true">10</DefaultBandwidth>
    <MinBandwidth>1000</MinBandwidth>
    <MaxBandwidth>100</MaxBandwidth>
    <Increment>1000</Increment>
    <CalculateBurstSizeType>MTU Based</CalculateBurstSizeType>
    <MTUFactor editable="true">10</MTUFactor>
  </ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Get All IP Service Definitions

This request is used to retrieve all the configured IP service definitions.

| | |
|----------------------------|--|
| New Parameters | "ServiceDefinitionType IsStandard (Boolean) DecoupleStatus (Boolean)" |
| Description of the Changes | The IsStandard parameter enables you to identify whether the definition is created by a user or already existing in the system. Previously, DecoupleStatus was not handled as part of the REST API call. |
| URI | /api/space/nsas/l3vpn/service-management/ service-definitions |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service- management.service-definitions+xml;version=2 |
| Content Type | application/vnd.net.juniper.space.service- management.service-definitions+xml;version="2" |
| Produces | Collects all the IP service definitions. |
| Mandatory Parameters | |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="37">
    <ServiceDefinition key="4128846"
uri="/api/space/nsas/l3vpn/service-management/service-definitions/4128846"
href="/api/space/nsas/l3vpn/service-management/service-definitions/4128846">

      <Common>
        <Name>SampleDefinition</Name>
        <Identity>4128846</Identity>
```

```

        <State>Unpublished</State>
        <CreateDate>2015-11-26T08:46:01.000+05:30</CreateDate>
        <LastUpdatedDate>2015-11-26T08:46:01.000+05:30</LastUpdatedDate>

        <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>L3VPN</ServiceType>
    <InterfaceType>L3 VPN (Full Mesh)</InterfaceType>
    <UseCount>0</UseCount>
    <UsedBy />
    <IsStandard>false</IsStandard>
</ServiceDefinition>
<ServiceDefinition key="3342841"
uri="/api/space/nsas/l3vpn/service-management/service-definitions/3342841"
href="/api/space/nsas/l3vpn/service-management/service-definitions/3342841">

    <Common>
        <Name>TestDefn</Name>
        <Identity>3342841</Identity>
        <State>Published</State>
        <CreateDate>2015-11-24T18:01:03.000+05:30</CreateDate>
        <LastUpdatedDate>2015-11-24T18:01:03.000+05:30</LastUpdatedDate>

        <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>L3VPN</ServiceType>
    <InterfaceType>L3 VPN (Full Mesh)</InterfaceType>
    <UseCount>0</UseCount>
    <UsedBy />
    <IsStandard>false</IsStandard>
</ServiceDefinition>
<ServiceDefinition key="3342336"
uri="/api/space/nsas/l3vpn/service-management/service-definitions/3342336"
href="/api/space/nsas/l3vpn/service-management/service-definitions/3342336">

    <Common>
        <Name>sfasdfs</Name>
        <Identity>3342336</Identity>
        <State>Published</State>
        <CreateDate>2015-11-23T16:04:28.000+05:30</CreateDate>
        <LastUpdatedDate>2015-11-23T16:04:28.000+05:30</LastUpdatedDate>

```

```

        <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>L3VPN</ServiceType>
    <InterfaceType>L3 VPN (Full Mesh)</InterfaceType>
    <UseCount>1</UseCount>
    <UsedBy />
    <IsStandard>false</IsStandard>
</ServiceDefinition>
<ServiceDefinition key="491592"
uri="/api/space/nsas/l3vpn/service-management/service-definitions/491592"
href="/api/space/nsas/l3vpn/service-management/service-definitions/491592">
    <Common>
        <Name>BGPTemplate</Name>
        <Identity>491592</Identity>
        <State>Published</State>
        <CreateDate>2015-11-17T14:53:35.000+05:30</CreateDate>
        <LastUpdatedDate>2015-11-17T14:53:35.000+05:30</LastUpdatedDate>

        <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>L3VPN</ServiceType>
    <InterfaceType>L3 VPN (Full Mesh)</InterfaceType>
    <UseCount>1</UseCount>
    <UsedBy />
    <IsStandard>false</IsStandard>
</ServiceDefinition>
<ServiceDefinition key="524288"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/524288"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/524288">
    <Common>
        <Name>ELine-BGP-QinQ-AllVLAN</Name>
        <Identity>524288</Identity>
        <State>Published</State>
        <Comments>Used to deliver a point-to-point service between two
remote sites, with high BW requirements.</Comments>
        <CreateDate>2015-11-17T12:07:47.000+05:30</CreateDate>
        <LastUpdatedDate>2015-11-17T12:07:47.000+05:30</LastUpdatedDate>

        <CreatedBy>super</CreatedBy>
    </Common>

```

```

        <ServiceType>Point-to-Point Pseudowire(BGP)</ServiceType>
        <InterfaceType>Ethernet</InterfaceType>
        <UseCount>0</UseCount>
        <UsedBy />
        <IsStandard>true</IsStandard>
    </ServiceDefinition>
    <ServiceDefinition key="491520"
uri="/api/space/nsas/l3vpn/service-management/service-definitions/491520"
href="/api/space/nsas/l3vpn/service-management/service-definitions/491520">
        <Common>
            <Name>L3VPN-BGP-Static</Name>
            <Identity>491520</Identity>
            <State>Published</State>
            <Comments>L3VPN with BGP/Static as PE-CE routing
protocol</Comments>
            <CreateDate>2015-11-17T12:07:47.000+05:30</CreateDate>
            <LastUpdatedDate>2015-11-17T12:07:47.000+05:30</LastUpdatedDate>

            <CreatedBy>super</CreatedBy>
        </Common>
        <ServiceType>L3VPN</ServiceType>
        <InterfaceType>L3 VPN (Full Mesh)</InterfaceType>
        <UseCount>0</UseCount>
        <UsedBy />
        <IsStandard>true</IsStandard>
    </ServiceDefinition>
    <ServiceDefinition key="459016"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/459016"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/459016">
        <Common>
            <Name>Static ATM pseudowire</Name>
            <Identity>459016</Identity>
            <State>Published</State>
            <Comments>ATM Point to point Static pseudowire</Comments>
            <CreateDate>2015-11-17T12:07:47.000+05:30</CreateDate>
            <LastUpdatedDate>2015-11-17T12:07:47.000+05:30</LastUpdatedDate>

            <CreatedBy>super</CreatedBy>
        </Common>
        <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>

```

```

        <InterfaceType>ATM</InterfaceType>
        <UseCount>0</UseCount>
        <UsedBy />
        <IsStandard>true</IsStandard>
    </ServiceDefinition>
    <ServiceDefinition key="491538"
uri="/api/space/nsas/l3vpn/service-management/service-definitions/491538"
href="/api/space/nsas/l3vpn/service-management/service-definitions/491538">
        <Common>
            <Name>L3VPN-OSPF-Static</Name>
            <Identity>491538</Identity>
            <State>Published</State>
            <Comments>L3VPN with OSPF/Static as PE-CE routing
protocol</Comments>
            <CreateDate>2015-11-17T12:07:47.000+05:30</CreateDate>
            <LastUpdatedDate>2015-11-17T12:07:47.000+05:30</LastUpdatedDate>

            <CreatedBy>super</CreatedBy>
        </Common>
        <ServiceType>L3VPN</ServiceType>
        <InterfaceType>L3 VPN (Full Mesh)</InterfaceType>
        <UseCount>7</UseCount>
        <UsedBy />
        <IsStandard>true</IsStandard>
    </ServiceDefinition>
    <ServiceDefinition key="524314"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/524314"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/524314">

        <Common>
            <Name>ELine-BGP-Dot1q-SingleVLAN</Name>
            <Identity>524314</Identity>
            <State>Published</State>
            <Comments>Used to transport a single VLAN in a point-to-point
service between two remote sites.</Comments>
            <CreateDate>2015-11-17T12:07:47.000+05:30</CreateDate>
            <LastUpdatedDate>2015-11-17T12:07:47.000+05:30</LastUpdatedDate>

            <CreatedBy>super</CreatedBy>
        </Common>
        <ServiceType>Point-to-Point Pseudowire(BGP)</ServiceType>

```

```

        <InterfaceType>Ethernet</InterfaceType>
        <UseCount>0</UseCount>
        <UsedBy />
        <IsStandard>true</IsStandard>
    </ServiceDefinition>
    <ServiceDefinition key="459041"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/459041"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/459041">

        <Common>
            <Name>Static ATM-AAL5 pseudowire</Name>
            <Identity>459041</Identity>
            <State>Published</State>
            <Comments>ATM-AAL5 Point to point Static pseudowire</Comments>
            <CreateDate>2015-11-17T12:07:47.000+05:30</CreateDate>
            <LastUpdatedDate>2015-11-17T12:07:47.000+05:30</LastUpdatedDate>

            <CreatedBy>super</CreatedBy>
        </Common>
        <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
        <InterfaceType>ATM</InterfaceType>
        <UseCount>0</UseCount>
        <UsedBy />
        <IsStandard>true</IsStandard>
    </ServiceDefinition>
    <ServiceDefinition key="491556"
uri="/api/space/nsas/l3vpn/service-management/service-definitions/491556"
href="/api/space/nsas/l3vpn/service-management/service-definitions/491556">
        <Common>
            <Name>L3VPN-OSPF-Static(Hub-Spoke-1-Interface)</Name>
            <Identity>491556</Identity>
            <State>Published</State>
            <Comments>L3VPN Hub and Spoke 1 interface with OSPF/Static as
PE-CE routing protocol</Comments>
            <CreateDate>2015-11-17T12:07:47.000+05:30</CreateDate>
            <LastUpdatedDate>2015-11-17T12:07:47.000+05:30</LastUpdatedDate>

            <CreatedBy>super</CreatedBy>
        </Common>
        <ServiceType>L3VPN</ServiceType>
        <InterfaceType>L3 VPN (Hub-Spoke 1 Interface)</InterfaceType>

```

```

        <UseCount>0</UseCount>
        <UsedBy />
        <IsStandard>true</IsStandard>
    </ServiceDefinition>
    <ServiceDefinition key="524339"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/524339"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/524339">

        <Common>
            <Name>ELine-BGP-PortBased</Name>
            <Identity>524339</Identity>
            <State>Published</State>
            <Comments>Used to deliver a point-to-point service between two
remote sites, using dedicated ports.</Comments>
            <CreateDate>2015-11-17T12:07:47.000+05:30</CreateDate>
            <LastUpdatedDate>2015-11-17T12:07:47.000+05:30</LastUpdatedDate>

            <CreatedBy>super</CreatedBy>
        </Common>
        <ServiceType>Point-to-Point Pseudowire(BGP)</ServiceType>
        <InterfaceType>Ethernet</InterfaceType>
        <UseCount>0</UseCount>
        <UsedBy />
        <IsStandard>true</IsStandard>
    </ServiceDefinition>
    <ServiceDefinition key="491574"
uri="/api/space/nsas/l3vpn/service-management/service-definitions/491574"
href="/api/space/nsas/l3vpn/service-management/service-definitions/491574">
        <Common>
            <Name>L3VPN-BGP-Static(Hub-Spoke-1-Interface)</Name>
            <Identity>491574</Identity>
            <State>Published</State>
            <Comments>L3VPN Hub and Spoke 1 interface with BGP/Static as
PE-CE routing protocol</Comments>
            <CreateDate>2015-11-17T12:07:47.000+05:30</CreateDate>
            <LastUpdatedDate>2015-11-17T12:07:47.000+05:30</LastUpdatedDate>

            <CreatedBy>super</CreatedBy>
        </Common>
        <ServiceType>L3VPN</ServiceType>
        <InterfaceType>L3 VPN (Hub-Spoke 1 Interface)</InterfaceType>

```

```

        <UseCount>0</UseCount>
        <UsedBy />
        <IsStandard>true</IsStandard>
    </ServiceDefinition>
    <ServiceDefinition key="459066"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/459066"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/459066">

```

```

        <Common>
            <Name>ELine-QinQALL-10G</Name>
            <Identity>459066</Identity>
            <State>Published</State>
            <Comments>QinQ pseudowire with up to 10G rate limit</Comments>
            <CreateDate>2015-11-17T12:07:47.000+05:30</CreateDate>
            <LastUpdatedDate>2015-11-17T12:07:47.000+05:30</LastUpdatedDate>

            <CreatedBy>super</CreatedBy>
        </Common>
        <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
        <InterfaceType>Ethernet</InterfaceType>
        <UseCount>0</UseCount>
        <UsedBy />
        <IsStandard>true</IsStandard>
    </ServiceDefinition>
    <ServiceDefinition key="458926"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/458926"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/458926">

```

```

        <Common>
            <Name>TDM Interface</Name>
            <Identity>458926</Identity>
            <State>Published</State>
            <Comments>TDM Point to point pseudowire</Comments>
            <CreateDate>2015-11-17T12:07:47.000+05:30</CreateDate>
            <LastUpdatedDate>2015-11-17T12:07:47.000+05:30</LastUpdatedDate>

            <CreatedBy>super</CreatedBy>
        </Common>
        <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
        <InterfaceType>TDM</InterfaceType>

```

```

        <UseCount>0</UseCount>
        <UsedBy />
        <IsStandard>true</IsStandard>
    </ServiceDefinition>
    <ServiceDefinition key="458947"
uri="/api/space/nsas/eline-ntp/service-management/service-definitions/458947"

href="/api/space/nsas/eline-ntp/service-management/service-definitions/458947">

        <Common>
            <Name>Static TDM pseudowire</Name>
            <Identity>458947</Identity>
            <State>Published</State>
            <Comments>TDM Point to point Static pseudowire</Comments>
            <CreateDate>2015-11-17T12:07:47.000+05:30</CreateDate>
            <LastUpdatedDate>2015-11-17T12:07:47.000+05:30</LastUpdatedDate>

            <CreatedBy>super</CreatedBy>
        </Common>
        <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
        <InterfaceType>TDM</InterfaceType>
        <UseCount>0</UseCount>
        <UsedBy />
        <IsStandard>true</IsStandard>
    </ServiceDefinition>
    <ServiceDefinition key="458970"
uri="/api/space/nsas/eline-ntp/service-management/service-definitions/458970"

href="/api/space/nsas/eline-ntp/service-management/service-definitions/458970">

        <Common>
            <Name>ATM pseudowire</Name>
            <Identity>458970</Identity>
            <State>Published</State>
            <Comments>ATM Point to point pseudowire</Comments>
            <CreateDate>2015-11-17T12:07:47.000+05:30</CreateDate>
            <LastUpdatedDate>2015-11-17T12:07:47.000+05:30</LastUpdatedDate>

            <CreatedBy>super</CreatedBy>
        </Common>
        <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
        <InterfaceType>ATM</InterfaceType>

```

```

        <UseCount>0</UseCount>
        <UsedBy />
        <IsStandard>true</IsStandard>
    </ServiceDefinition>
    <ServiceDefinition key="458993"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/458993"

href="/api/space/nsas/eline-ptp/service-management/service-definitions/458993">

    <Common>
        <Name>ATM-AAL5 pseudowire</Name>
        <Identity>458993</Identity>
        <State>Published</State>
        <Comments>ATM-AAL5 Point to point pseudowire</Comments>
        <CreatedDate>2015-11-17T12:07:47.000+05:30</CreatedDate>
        <LastUpdatedDate>2015-11-17T12:07:47.000+05:30</LastUpdatedDate>

        <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
    <InterfaceType>ATM</InterfaceType>
    <UseCount>0</UseCount>
    <UsedBy />
    <IsStandard>true</IsStandard>
</ServiceDefinition>
<ServiceDefinition key="458841"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/458841"

href="/api/space/nsas/eline-ptp/service-management/service-definitions/458841">

    <Common>
        <Name>ELine-QinQ-VLANRange-Ext-CCC</Name>
        <Identity>458841</Identity>
        <State>Published</State>
        <Comments>Used to deliver a point-to-point service between two
remote sites, with high BW requirements.</Comments>
        <CreatedDate>2015-11-17T12:07:46.000+05:30</CreatedDate>
        <LastUpdatedDate>2015-11-17T12:07:46.000+05:30</LastUpdatedDate>

        <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>

```

```

        <InterfaceType>Ethernet</InterfaceType>
        <UseCount>0</UseCount>
        <UsedBy />
        <IsStandard>true</IsStandard>
    </ServiceDefinition>
    <ServiceDefinition key="458860"
uri="/api/space/nsas/eline-ntp/service-management/service-definitions/458860"

href="/api/space/nsas/eline-ntp/service-management/service-definitions/458860">

        <Common>
            <Name>ELine-Dot1q-SingleVLAN</Name>
            <Identity>458860</Identity>
            <State>Published</State>
            <Comments>Used to transport a single VLAN in a point-to-point
service between two remote sites.</Comments>
            <CreateDate>2015-11-17T12:07:46.000+05:30</CreateDate>
            <LastUpdatedDate>2015-11-17T12:07:46.000+05:30</LastUpdatedDate>

            <CreatedBy>super</CreatedBy>
        </Common>
        <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
        <InterfaceType>Ethernet</InterfaceType>
        <UseCount>0</UseCount>
        <UsedBy />
        <IsStandard>true</IsStandard>
    </ServiceDefinition>
    <ServiceDefinition key="458877"
uri="/api/space/nsas/eline-ntp/service-management/service-definitions/458877"

href="/api/space/nsas/eline-ntp/service-management/service-definitions/458877">

        <Common>
            <Name>ELine-Dot1q-SingleVLAN-CCC</Name>
            <Identity>458877</Identity>
            <State>Published</State>
            <Comments>Used to transport a single VLAN in a point-to-point
service between two remote sites.</Comments>
            <CreateDate>2015-11-17T12:07:46.000+05:30</CreateDate>
            <LastUpdatedDate>2015-11-17T12:07:46.000+05:30</LastUpdatedDate>

            <CreatedBy>super</CreatedBy>

```

```

        </Common>
        <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
        <InterfaceType>Ethernet</InterfaceType>
        <UseCount>0</UseCount>
        <UsedBy />
        <IsStandard>true</IsStandard>
    </ServiceDefinition>
    <ServiceDefinition key="458894"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/458894"

href="/api/space/nsas/eline-ptp/service-management/service-definitions/458894">

        <Common>
            <Name>ELine-Dot1q-SingleVLAN-Ext-CCC</Name>
            <Identity>458894</Identity>
            <State>Published</State>
            <Comments>Used to transport a single VLAN in a point-to-point
service between two remote sites.</Comments>
            <CreateDate>2015-11-17T12:07:46.000+05:30</CreateDate>
            <LastUpdatedDate>2015-11-17T12:07:46.000+05:30</LastUpdatedDate>

            <CreatedBy>super</CreatedBy>
        </Common>
        <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
        <InterfaceType>Ethernet</InterfaceType>
        <UseCount>0</UseCount>
        <UsedBy />
        <IsStandard>true</IsStandard>
    </ServiceDefinition>
    <ServiceDefinition key="458911"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/458911"

href="/api/space/nsas/eline-ptp/service-management/service-definitions/458911">

        <Common>
            <Name>ELine-PortBased</Name>
            <Identity>458911</Identity>
            <State>Published</State>
            <Comments>Used to deliver a point-to-point service between two
remote sites, using dedicated ports.</Comments>
            <CreateDate>2015-11-17T12:07:46.000+05:30</CreateDate>
            <LastUpdatedDate>2015-11-17T12:07:46.000+05:30</LastUpdatedDate>

```

```

        <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
    <InterfaceType>Ethernet</InterfaceType>
    <UseCount>0</UseCount>
    <UsedBy />
    <IsStandard>true</IsStandard>
</ServiceDefinition>
<ServiceDefinition key="458752"
uri="/api/space/nsas/eline-ntp/service-management/service-definitions/458752"

href="/api/space/nsas/eline-ntp/service-management/service-definitions/458752">

    <Common>
        <Name>ELine-QinQ-AllVLAN</Name>
        <Identity>458752</Identity>
        <State>Published</State>
        <Comments>Used to deliver a point-to-point service between two
remote sites, with high BW requirements.</Comments>
        <CreatedDate>2015-11-17T12:07:45.000+05:30</CreatedDate>
        <LastUpdatedDate>2015-11-17T12:07:45.000+05:30</LastUpdatedDate>

        <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
    <InterfaceType>Ethernet</InterfaceType>
    <UseCount>0</UseCount>
    <UsedBy />
    <IsStandard>true</IsStandard>
</ServiceDefinition>
<ServiceDefinition key="458769"
uri="/api/space/nsas/eline-ntp/service-management/service-definitions/458769"

href="/api/space/nsas/eline-ntp/service-management/service-definitions/458769">

    <Common>
        <Name>ELine-QinQ-AllVLAN-CCC</Name>
        <Identity>458769</Identity>
        <State>Published</State>
        <Comments>Used to deliver a point-to-point service between two
remote sites, with high BW requirements.</Comments>

```

```

        <CreateDate>2015-11-17T12:07:45.000+05:30</CreateDate>
        <LastUpdatedDate>2015-11-17T12:07:45.000+05:30</LastUpdatedDate>

        <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
    <InterfaceType>Ethernet</InterfaceType>
    <UseCount>0</UseCount>
    <UsedBy />
    <IsStandard>true</IsStandard>
</ServiceDefinition>
<ServiceDefinition key="458786"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/458786"

href="/api/space/nsas/eline-ptp/service-management/service-definitions/458786">

    <Common>
        <Name>ELine-QinQ-AllVLAN-Ext-CCC</Name>
        <Identity>458786</Identity>
        <State>Published</State>
        <Comments>Used to deliver a point-to-point service between two
remote sites, with high BW requirements.</Comments>
        <CreateDate>2015-11-17T12:07:45.000+05:30</CreateDate>
        <LastUpdatedDate>2015-11-17T12:07:45.000+05:30</LastUpdatedDate>

        <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
    <InterfaceType>Ethernet</InterfaceType>
    <UseCount>0</UseCount>
    <UsedBy />
    <IsStandard>true</IsStandard>
</ServiceDefinition>
<ServiceDefinition key="458803"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/458803"

href="/api/space/nsas/eline-ptp/service-management/service-definitions/458803">

    <Common>
        <Name>ELine-QinQ-VLANRange</Name>
        <Identity>458803</Identity>
        <State>Published</State>

```

```

        <Comments>Used to deliver a point-to-point service between two
remote sites, with high BW requirements.</Comments>
        <CreateDate>2015-11-17T12:07:45.000+05:30</CreateDate>
        <LastUpdatedDate>2015-11-17T12:07:45.000+05:30</LastUpdatedDate>

        <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
    <InterfaceType>Ethernet</InterfaceType>
    <UseCount>0</UseCount>
    <UsedBy />
    <IsStandard>true</IsStandard>
</ServiceDefinition>
<ServiceDefinition key="458822"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/458822"

href="/api/space/nsas/eline-ptp/service-management/service-definitions/458822">

    <Common>
        <Name>ELine-QinQ-VLANRange-CCC</Name>
        <Identity>458822</Identity>
        <State>Published</State>
        <Comments>Used to deliver a point-to-point service between two
remote sites,with high BW requirements.</Comments>
        <CreateDate>2015-11-17T12:07:45.000+05:30</CreateDate>
        <LastUpdatedDate>2015-11-17T12:07:45.000+05:30</LastUpdatedDate>

        <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
    <InterfaceType>Ethernet</InterfaceType>
    <UseCount>0</UseCount>
    <UsedBy />
    <IsStandard>true</IsStandard>
</ServiceDefinition>
<ServiceDefinition key="426156"
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/426156"

href="/api/space/nsas/elan-vpls/service-management/service-definitions/426156">

    <Common>
        <Name>ELAN-Hub-Spoke-QinQ-AllVLAN-Normalized-All</Name>

```

```

        <Identity>426156</Identity>
        <State>Published</State>
        <Comments>Used for multisite LAN connectivity, with VLAN
normalization.</Comments>
        <CreateDate>2015-11-17T12:07:44.000+05:30</CreateDate>
        <LastUpdatedDate>2015-11-17T12:07:44.000+05:30</LastUpdatedDate>

        <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>VPLS(BGP)</ServiceType>
    <InterfaceType>VPLS (Point-MultiPoint)</InterfaceType>
    <UseCount>0</UseCount>
    <UsedBy />
    <IsStandard>true</IsStandard>
</ServiceDefinition>
<ServiceDefinition key="426181"
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/426181"

href="/api/space/nsas/elan-vpls/service-management/service-definitions/426181">

    <Common>
        <Name>ELAN-Hub-Spoke-QinQ-AllVLAN</Name>
        <Identity>426181</Identity>
        <State>Published</State>
        <Comments>Used for multisite LAN connectivity</Comments>
        <CreateDate>2015-11-17T12:07:44.000+05:30</CreateDate>
        <LastUpdatedDate>2015-11-17T12:07:44.000+05:30</LastUpdatedDate>

        <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>VPLS(BGP)</ServiceType>
    <InterfaceType>VPLS (Point-MultiPoint)</InterfaceType>
    <UseCount>0</UseCount>
    <UsedBy />
    <IsStandard>true</IsStandard>
</ServiceDefinition>
<ServiceDefinition key="426008"
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/426008"

href="/api/space/nsas/elan-vpls/service-management/service-definitions/426008">

    <Common>

```

```

        <Name>ELAN-BGP-Dot1Q-SingleVLAN</Name>
        <Identity>426008</Identity>
        <State>Published</State>
        <Comments>Used to transport single VLAN between multiple
sites.</Comments>
        <CreateDate>2015-11-17T12:07:43.000+05:30</CreateDate>
        <LastUpdatedDate>2015-11-17T12:07:43.000+05:30</LastUpdatedDate>

        <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>VPLS(BGP)</ServiceType>
    <InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
    <UseCount>0</UseCount>
    <UsedBy />
    <IsStandard>true</IsStandard>
</ServiceDefinition>
<ServiceDefinition key="426032"
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/426032"

href="/api/space/nsas/elan-vpls/service-management/service-definitions/426032">

    <Common>
        <Name>ELAN-BGP-PortBased-10-100M</Name>
        <Identity>426032</Identity>
        <State>Published</State>
        <Comments>Used for multisite LAN connectivity with high BW
requirements using dedicated ports.</Comments>
        <CreateDate>2015-11-17T12:07:43.000+05:30</CreateDate>
        <LastUpdatedDate>2015-11-17T12:07:43.000+05:30</LastUpdatedDate>

        <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>VPLS(BGP)</ServiceType>
    <InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
    <UseCount>0</UseCount>
    <UsedBy />
    <IsStandard>true</IsStandard>
</ServiceDefinition>
<ServiceDefinition key="426054"
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/426054"

href="/api/space/nsas/elan-vpls/service-management/service-definitions/426054">

```

```

    <Common>
      <Name>ELAN-BGP-QinQ-Range-Normalized-VLAN</Name>
      <Identity>426054</Identity>
      <State>Published</State>
      <Comments>Used for multisite LAN connectivity, with VLAN
normalization.</Comments>
      <CreateDate>2015-11-17T12:07:43.000+05:30</CreateDate>
      <LastUpdatedDate>2015-11-17T12:07:43.000+05:30</LastUpdatedDate>

      <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>VPLS(BGP)</ServiceType>
    <InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
    <UseCount>0</UseCount>
    <UsedBy />
    <IsStandard>true</IsStandard>
  </ServiceDefinition>
  <ServiceDefinition key="426081"
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/426081"

href="/api/space/nsas/elan-vpls/service-management/service-definitions/426081">

    <Common>
      <Name>ELAN-BGP-QinQ-AllVLAN-Normalized-All</Name>
      <Identity>426081</Identity>
      <State>Published</State>
      <Comments>Used for multisite LAN connectivity, with VLAN
normalization.</Comments>
      <CreateDate>2015-11-17T12:07:43.000+05:30</CreateDate>
      <LastUpdatedDate>2015-11-17T12:07:43.000+05:30</LastUpdatedDate>

      <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>VPLS(BGP)</ServiceType>
    <InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
    <UseCount>0</UseCount>
    <UsedBy />
    <IsStandard>true</IsStandard>
  </ServiceDefinition>
  <ServiceDefinition key="426106"
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/426106"

```

href="/api/space/nsas/elan-vpls/service-management/service-definitions/426106">

```

    <Common>
      <Name>ELAN-BGP-QinQ-AllVLAN-Normalized-None</Name>
      <Identity>426106</Identity>
      <State>Published</State>
      <Comments>Used for multisite LAN connectivity, with no VLAN
normalization.</Comments>
      <CreatedDate>2015-11-17T12:07:43.000+05:30</CreatedDate>
      <LastUpdatedDate>2015-11-17T12:07:43.000+05:30</LastUpdatedDate>

```

```

      <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>VPLS(BGP)</ServiceType>
    <InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
    <UseCount>0</UseCount>
    <UsedBy />
    <IsStandard>true</IsStandard>
  </ServiceDefinition>
  <ServiceDefinition key="426131"
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/426131"

```

href="/api/space/nsas/elan-vpls/service-management/service-definitions/426131">

```

    <Common>
      <Name>ELAN-BGP-Dot1q-Normalized-VLAN-None</Name>
      <Identity>426131</Identity>
      <State>Published</State>
      <Comments>Used to transport single VLAN between multiple sites,
with no VLAN normalization.</Comments>
      <CreatedDate>2015-11-17T12:07:43.000+05:30</CreatedDate>
      <LastUpdatedDate>2015-11-17T12:07:43.000+05:30</LastUpdatedDate>

```

```

      <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>VPLS(BGP)</ServiceType>
    <InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
    <UseCount>0</UseCount>
    <UsedBy />
    <IsStandard>true</IsStandard>
  </ServiceDefinition>

```

```

    <ServiceDefinition key="425984"
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/425984"

href="/api/space/nsas/elan-vpls/service-management/service-definitions/425984">

    <Common>
        <Name>ELAN-BGP-QinQ-AllVLAN</Name>
        <Identity>425984</Identity>
        <State>Published</State>
        <Comments>Used for multisite LAN connectivity with high BW
requirements.</Comments>
        <CreatedDate>2015-11-17T12:07:42.000+05:30</CreatedDate>
        <LastUpdatedDate>2015-11-17T12:07:42.000+05:30</LastUpdatedDate>

        <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>VPLS(BGP)</ServiceType>
    <InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
    <UseCount>0</UseCount>
    <UsedBy />
    <IsStandard>true</IsStandard>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Get an IP Service Definition By Definition ID

This request is used to retrieve the details of a configured IP service definition, based on the service definition ID.

| | |
|----------------------------|---|
| New Parameters | "ServiceDefinitionType IsStandard (Boolean) DecoupleStatus (Boolean)" |
| Description of the Changes | The IsStandard parameter enables you to identify whether the definition is created by a user or already existing in the system. Previously, DecoupleStatus was not handled as part of the REST API call |
| URI | api/space/nsas/l3vpn/service-management/ service-definitions/<definitionID> |

| | |
|--------------|---|
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition+xml;version=2 |
| Content Type | Not required |
| Produces | Retrieves a specific IP service definition. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition key="4128846"
uri="/api/space/nsas/l3vpn/service-management/service-definitions/4128846"
href="/api/space/nsas/l3vpn/service-management/service-definitions/4128846">

      <Common>
        <Name>SampleDefinition</Name>
        <Identity>4128846</Identity>
        <State>Unpublished</State>
        <CreatedDate>2015-11-26T08:46:01.000+05:30</CreatedDate>
        <LastUpdatedDate>2015-11-26T08:46:01.000+05:30</LastUpdatedDate>

        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>L3VPN</ServiceType>
      <EnableMVPN>>false</EnableMVPN>
      <InterfaceType>L3 VPN (Full Mesh)</InterfaceType>
      <QosEnabled>>false</QosEnabled>
      <DecoupleStatus>>true</DecoupleStatus>
      <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNServiceEndpointGroupParameterDefType">
        <RouteTarget editable="true" selection="Auto pick" />
        <RouteDistinguisher editable="true" selection="Auto pick" />
        <VRFTabelLabel editable="true">true</VRFTabelLabel>
        <ExportDirectRoutes>true</ExportDirectRoutes>
        <RoutingProtocol>OSPF/Static Route</RoutingProtocol>
      </ServiceElementConfigurationDefinition>
    </ServiceDefinition>
  </ServiceResource>
</Data>
```

```

        <PEInterfaceIP editable="true" selection="Auto pick" />
        <IPPoolType editable="false">Global</IPPoolType>
        <AddressBlockSize editable="true">28</AddressBlockSize>
    </ServiceElementConfigurationDefinition>
    <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNEndPointParameterDefType">
        <VlanIdSelection editable="true" selection="Auto pick" />
        <VlanIdAuto max="4094" min="1" />
        <VlanIdManual max="4094" min="1" />
        <MTU max="9192" min="1522" editable="true" default="1522" />
        <EnableRateLimiting>Enabled</EnableRateLimiting>
        <DefaultBandwidth unit="Mbps" max="100" min="1" editable="true"
default="1">10</DefaultBandwidth>
        <MinBandwidth unit="Kbps" max="100000" min="64">1000</MinBandwidth>

        <MaxBandwidth unit="Mbps" max="100000" min="1">100</MaxBandwidth>

        <Increment unit="Kbps" max="100000" min="64"
default="64">1000</Increment>
        <CalculateBurstSizeType>MTU Based</CalculateBurstSizeType>
        <MTUFactor editable="true">10</MTUFactor>
    </ServiceEndPointConfigurationDefinition>
    <UseCount>0</UseCount>
    <UsedBy />
    <IsStandard>false</IsStandard>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Create an IP Service Order

This request is used to configure an IP service order.

| | |
|----------------|---|
| New Parameters | "L3VPNEndPointParameterOrderType MTURangeValues BandwidthParamRangeType COSProfileId (Integer) ShapingRate (Integer)" |
| | "L3VPNConfigParameterOrderType MTUFactor (Integer) BurstPeriod (Integer)" |

| | |
|----------------------------|--|
| Description of the Changes | The parameters enable you to rate limit the service and also help user to enable quality of service. |
| URI | api/space/nsas/l3vpn/service-management/ service-orders |
| HTTP Method | POST |
| Consumes | application/vnd.net.juniper.space.service- management.service-order-status+xml;version=2 |
| Content Type | application/vnd.net.juniper.space.service- management.service-order+xml;version=2;charset=UTF-8 |
| Produces | Creates an IP service order. |

Input (With L3VPNEndPointParameterOrderType and L3VPNConfigParameterOrderType)

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Reference>
        <Customer key="688299" />
        <ServiceDefinition>
          <ServiceDefinitionID key="4128903" />
        </ServiceDefinition>
        <Service key="undefined" />
      </Reference>
      <Common>
        <Name>SampleOrder</Name>
        <CustomerName>Juniper</CustomerName>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNConfigParameterOrderType">
        <OSPFDomainID>0.0.0.0</OSPFDomainID>
        <OSPFVersion>Ver 2</OSPFVersion>
        <VRFTabelLabel>true</VRFTabelLabel>
```

```

        <BurstPeriod>10</BurstPeriod>
    </ServiceOrderParameter>
    <ServiceEndPointGroup>

<DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
    <DeviceInfo>
        <NA>
            <DeviceName>UG1re</DeviceName>
            <DeviceID>688140</DeviceID>
        </NA>
    </DeviceInfo>
    <EnableStitchingPoint>false</EnableStitchingPoint>
    <ServiceEndPoint>
        <InterfaceName>ge-0/0/7</InterfaceName>
        <InterfaceID>688150</InterfaceID>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
            <OSPFAreaId>0.0.0.0</OSPFAreaId>
            <OSPFVersion>Ver 2</OSPFVersion>
            <EthernetOption>Dot1Q</EthernetOption>
            <AutoPickUnitID>true</AutoPickUnitID>
            <AutoPickVlanID>true</AutoPickVlanID>
            <InterfaceIP AutoPick="true" />
            <IPAddressPool>10.0.88.0/24</IPAddressPool>
            <IPBlockSize>28</IPBlockSize>
            <COSProfileId>393280</COSProfileId>
            <ShapingRate>15</ShapingRate>
            <Bandwidth unit="Mbps">10</Bandwidth>
            <MTU>1522</MTU>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>

<DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
    <DeviceInfo>
        <NA>
            <DeviceName>UG2re</DeviceName>
            <DeviceID>688141</DeviceID>
        </NA>
    </DeviceInfo>

```

```

        <EnableStitchingPoint>false</EnableStitchingPoint>
        <ServiceEndPoint>
            <InterfaceName>ge-0/0/8</InterfaceName>
            <InterfaceID>688175</InterfaceID>
            <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
                <OSPFAreaId>0.0.0.0</OSPFAreaId>
                <OSPFVersion>Ver 2</OSPFVersion>
                <EthernetOption>Dot1Q</EthernetOption>
                <AutoPickUnitID>true</AutoPickUnitID>
                <AutoPickVlanID>true</AutoPickVlanID>
                <InterfaceIP AutoPick="true" />
                <IPAddressPool>10.0.88.0/24</IPAddressPool>
                <IPBlockSize>28</IPBlockSize>
                <COSProfileId>393258</COSProfileId>
                <ShapingRate>16</ShapingRate>
                <Bandwidth unit="Mbps">10</Bandwidth>
                <MTU>1522</MTU>
            </ServiceEndpointConfiguration>
        </ServiceEndPoint>
    </ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
    <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
        <Action>SaveAndValidate</Action>
    </CustomAction>
</Data>

```

Get an IP Service Order By Order ID

This request is used to retrieve a specific IP service order.

New Parameters

"L3VPNEndPointParameterOrderType
MTURangeValues
BandwidthParamRangeType
COSProfileId (Integer)
ShapingRate (Integer)"

"L3VPNConfigParameterOrderType
MTUFactor (Integer)
BurstPeriod (Integer)"

| | |
|----------------------------|--|
| Description of the Changes | The parameters enable you to rate limit the service and also help user to enable quality of service. |
| URI | api/space/nsas/l3vpn/service-management/ service-orders/4128932 |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service- management.service-order+xml;version=2; |
| Content Type | Not required |
| Produces | Retrieves the details of a particular IP service order. |

Output (With L3VPNEndPointParameterOrderType and L3VPNConfigParameterOrderType)

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data
  xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder key="4128932"
uri="/api/space/nsas/l3vpn/service-management/service-orders/4128932"
href="/api/space/nsas/l3vpn/service-management/service-orders/4128932">
      <Common>
        <Name>SampleOrder</Name>
        <Identity>4128932</Identity>
        <State>Invalid</State>
        <ScheduledState>Invalid</ScheduledState>
        <CreatedDate>2015-11-26T09:37:41.000+05:30</CreatedDate>

        <LastUpdatedDate>2015-11-26T09:37:40.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>l3vpn</ServiceType>
      <JobIdsList>1769494</JobIdsList>
      <EnableMVPN>false</EnableMVPN>
      <EnableMCLAG>false</EnableMCLAG>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
```

```

        <DeviceInfo>
            <NA key="688140"
uri="/api/space/nsas/device-roles/pe-devices/688140"
href="/api/space/nsas/device-roles/pe-devices/688140">
                <DeviceName>UG1re</DeviceName>
                <DeviceID>688140</DeviceID>
            </NA>
        </DeviceInfo>
        <ServiceEndPoint>
            <InterfaceName>ge-0/0/7</InterfaceName>
            <InterfaceIndex>522</InterfaceIndex>
            <ServiceEndpointConfiguration
                xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
                <COSProfileId>393280</COSProfileId>
                <RoutingProtocol>OSPF</RoutingProtocol>
                <EthernetOption>Dot1Q</EthernetOption>
                <UnitID>6</UnitID>
                <VlanId>6</VlanId>
                <InterfaceIP>10.0.88.65/28</InterfaceIP>
                <MTU>1522</MTU>
                <Bandwidth unit="Mbps">10</Bandwidth>
                <RouteDistinguisher>50:20</RouteDistinguisher>
                <OSPFAreaId>0.0.0.0</OSPFAreaId>
                <OSPFVersion>Ver 2</OSPFVersion>
            </ServiceEndpointConfiguration>
            <ServiceTemplates/>
        </ServiceEndPoint>
        <EnableLoopback>false</EnableLoopback>
        <EnableStitchingPoint>false</EnableStitchingPoint>
    </ServiceEndPointGroup>
    <ServiceEndPointGroup>
        <DeviceInfo>
            <NA key="688141"
uri="/api/space/nsas/device-roles/pe-devices/688141"
href="/api/space/nsas/device-roles/pe-devices/688141">
                <DeviceName>UG2re</DeviceName>
                <DeviceID>688141</DeviceID>
            </NA>
        </DeviceInfo>
        <ServiceEndPoint>
            <InterfaceName>ge-0/0/8</InterfaceName>

```

```

        <InterfaceIndex>523</InterfaceIndex>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOspfEndPointConfigParameterOrderType">
            <COSProfileId>393258</COSProfileId>
            <RoutingProtocol>OSPF</RoutingProtocol>
            <EthernetOption>Dot1Q</EthernetOption>
            <UnitID>3</UnitID>
            <VlanId>3</VlanId>
            <InterfaceIP>10.0.88.81/28</InterfaceIP>
            <MTU>1522</MTU>
            <Bandwidth unit="Mbps">10</Bandwidth>
            <RouteDistinguisher>50:21</RouteDistinguisher>
            <OSPFAreaId>0.0.0.0</OSPFAreaId>
            <OSPFVersion>Ver 2</OSPFVersion>
        </ServiceEndpointConfiguration>
        <ServiceTemplates/>
    </ServiceEndPoint>
    <EnableLoopback>false</EnableLoopback>
    <EnableStitchingPoint>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNConfigParameterOrderType">
    <RouteTarget>50:10</RouteTarget>
    <VRFTabelLabel>true</VRFTabelLabel>
    <ExportDirectRoutes>true</ExportDirectRoutes>
    <OSPFDomainID>0.0.0.0</OSPFDomainID>
    <BurstPeriod>10</BurstPeriod>
</ServiceOrderParameter>
<Reference>
    <Customer
uri="/api/space/nsas/customer-management/customers/688299"
href="/api/space/nsas/customer-management/customers/688299" key="688299">
        <CustomerName>Juniper</CustomerName>
    </Customer>
    <ServiceDefinition>
        <ServiceDefinitionID
uri="/api/space/nsas/l3vpn/service-management/service-definitions/4128903"
href="/api/space/nsas/l3vpn/service-management/service-definitions/4128903"
key="4128903">

```

```
<ServiceDefinitionName>SampleDefinition</ServiceDefinitionName>
    </ServiceDefinitionID>
</ServiceDefinition>
<Service
uri="/api/space/nsas/l3vpn/service-management/services/4128945"
href="/api/space/nsas/l3vpn/service-management/services/4128945"
key="4128945"/>
    </Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Get All RSVP LSP Services

This request is used to retrieve all the configured RSVP LSP services.

| | |
|----------------------------|---|
| New Parameters | "RSVPLSPConfigParameterServiceType SetupPriority (Integer) HoldPriority (Integer) ClassOfService (Integer)" |
| Description of the Changes | The new parameters are returned in the response XML under the parent tag ServiceParameters. These are the values configured at root level for LSP that are inherited at primary and secondary path. If required, they can be overridden in the primary and secondary paths. |
| URI | api/space/nsas/rsvp-lsp/service-management/services/ |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml;version=2 |
| Produces | Collects all the configures RSVP LSP services. |
| Mandatory Parameters | |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="6">
    <Service key="328366"
uri="/api/space/nsas/rsvp-lsp/service-management/services/328366"
href="/api/space/nsas/rsvp-lsp/service-management/services/328366">
      <Common>
        <Name>p2p_cspf_pathprot</Name>
        <Identity>328366</Identity>
        <State>Deployed</State>
        <CreatedDate>2015-11-27T10:33:31.000+05:30</CreatedDate>
        <LastUpdatedDate>2015-11-27T10:33:31.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>LSP</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
      </AuditFlag>
      <Reference>
        <ServiceOrder
uri="/api/space/nsas/rsvp-lsp/service-management/service-orders/328361"
href="/api/space/nsas/rsvp-lsp/service-management/service-orders/328361"
key="328361"/>
          <ServiceDefinition>
            <ServiceDefinitionID
uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/328337"
href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/328337"
key="328337"/>
              </ServiceDefinition>
            </Reference>
          </Service>
        <Service key="328169"
uri="/api/space/nsas/rsvp-lsp/service-management/services/328169"
href="/api/space/nsas/rsvp-lsp/service-management/services/328169">
          <Common>
            <Name>P2P-Sevicell1</Name>
            <Identity>328169</Identity>
            <State>Deployed</State>
            <CreatedDate>2015-11-25T17:22:25.000+05:30</CreatedDate>
            <LastUpdatedDate>2015-11-25T17:47:33.000+05:30</LastUpdatedDate>
          </Common>
          <ServiceType>LSP</ServiceType>

```

```

    <AuditFlag>
      <FunctionalAudit>Pending</FunctionalAudit>
      <FaultStatus>None</FaultStatus>
    </AuditFlag>
    <Reference>
      <ServiceOrder
uri="/api/space/nsas/rsvp-lsp/service-management/service-orders/328176"
href="/api/space/nsas/rsvp-lsp/service-management/service-orders/328176"
key="328176"/>
      <ServiceDefinition>
        <ServiceDefinitionID
uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/328146"
href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/328146"
key="328146"/>
        </ServiceDefinition>
      </Reference>
    </Service>
    <Service key="328070"
uri="/api/space/nsas/rsvp-lsp/service-management/services/328070"
href="/api/space/nsas/rsvp-lsp/service-management/services/328070">
      <Common>
        <Name>p2p_path_protection</Name>
        <Identity>328070</Identity>
        <State>Deployed</State>
        <CreatedDate>2015-11-25T14:10:55.000+05:30</CreatedDate>
        <LastUpdatedDate>2015-11-25T16:59:06.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>LSP</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
      </AuditFlag>
      <Reference>
        <ServiceOrder
uri="/api/space/nsas/rsvp-lsp/service-management/service-orders/328065"
href="/api/space/nsas/rsvp-lsp/service-management/service-orders/328065"
key="328065"/>
        <ServiceDefinition>
          <ServiceDefinitionID
uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/328047"
href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/328047"
key="328047"/>

```

```

        </ServiceDefinition>
    </Reference>
</Service>
<Service key="163863"
uri="/api/space/nsas/rsvp-lsp/service-management/services/163863"
href="/api/space/nsas/rsvp-lsp/service-management/services/163863">
    <Common>
        <Name>p2p_2</Name>
        <Identity>163863</Identity>
        <State>Deployed</State>
        <CreatedDate>2015-11-25T13:53:56.000+05:30</CreatedDate>
        <LastUpdatedDate>2015-11-25T13:53:56.000+05:30</LastUpdatedDate>
    </Common>
    <ServiceType>LSP</ServiceType>
    <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
    </AuditFlag>
    <Reference>
        <ServiceOrder
uri="/api/space/nsas/rsvp-lsp/service-management/service-orders/163858"
href="/api/space/nsas/rsvp-lsp/service-management/service-orders/163858"
key="163858"/>
        <ServiceDefinition>
            <ServiceDefinitionID
uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/163840"
href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/163840"
key="163840"/>
            </ServiceDefinition>
        </Reference>
    </Service>
    <Service key="201"
uri="/api/space/nsas/rsvp-lsp/service-management/services/201"
href="/api/space/nsas/rsvp-lsp/service-management/services/201">
        <Common>
            <Name>p2mp_1</Name>
            <Identity>201</Identity>
            <State>ReActivated</State>
            <CreatedDate>2015-11-24T12:20:41.000+05:30</CreatedDate>
            <LastUpdatedDate>2015-11-25T12:39:58.000+05:30</LastUpdatedDate>
        </Common>
        <ServiceType>LSP</ServiceType>

```

```

    <AuditFlag>
      <FunctionalAudit>Down</FunctionalAudit>
      <FaultStatus>None</FaultStatus>
    </AuditFlag>
    <Reference>
      <ServiceOrder
uri="/api/space/nsas/rsvp-lsp/service-management/service-orders/306"
href="/api/space/nsas/rsvp-lsp/service-management/service-orders/306"
key="306"/>
      <ServiceDefinition>
        <ServiceDefinitionID
uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/170"
href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/170"
key="170"/>
        </ServiceDefinition>
      </Reference>
    </Service>
    <Service key="248"
uri="/api/space/nsas/rsvp-lsp/service-management/services/248"
href="/api/space/nsas/rsvp-lsp/service-management/services/248">
      <Common>
        <Name>fm_1</Name>
        <Identity>248</Identity>
        <State>ReActivated</State>
        <CreatedDate>2015-11-24T12:13:37.000+05:30</CreatedDate>
        <LastUpdatedDate>2015-11-25T12:19:31.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>LSP</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
      </AuditFlag>
      <Reference>
        <ServiceOrder
uri="/api/space/nsas/rsvp-lsp/service-management/service-orders/229"
href="/api/space/nsas/rsvp-lsp/service-management/service-orders/229"
key="229"/>
        <ServiceDefinition>
          <ServiceDefinitionID
uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/211"
href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/211"
key="211"/>

```

```
        </ServiceDefinition>
    </Reference>
</Service>
</ServiceResource>
</Data>
```

Get an RSVP LSP Service By Service ID

This request is used to retrieve a particular RSVP LSP service.

| | |
|----------------------------|---|
| New Parameters | "RSVPLSPConfigParameterServiceType SetupPriority (Integer) HoldPriority (Integer) ClassOfService (Integer)" |
| Description of the Changes | The new parameters are returned in the response XML under the parent tag ServiceParameters. These are the values configured at root level for LSP that are inherited at primary and secondary path. If required, they can be overridden in the primary and secondary paths. |
| URI | api/space/nsas/rsvp-lsp/service-management/services/{Service-Id} |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service+xml;version=2 |
| Produces | Obtains a particular RSVP LSP service. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="1">
    <Service key="328366"
uri="/api/space/nsas/rsvp-lsp/service-management/services/328366"
```

```

href="/api/space/nsas/rsvp-lsp/service-management/services/328366">
  <Common>
    <Name>p2p_cspf_pathprot</Name>
    <Identity>328366</Identity>
    <State>Deployed</State>
    <CreateDate>2015-11-27T10:33:31.000+05:30</CreateDate>
    <LastUpdatedDate>2015-11-27T10:33:31.000+05:30</LastUpdatedDate>
  </Common>
  <ServiceType>LSP</ServiceType>
  <AuditFlag>
    <FunctionalAudit>Pending</FunctionalAudit>
    <FaultStatus>None</FaultStatus>
  </AuditFlag>
  <Reference>
    <ServiceOrder
uri="/api/space/nsas/rsvp-lsp/service-management/service-orders/328361"
href="/api/space/nsas/rsvp-lsp/service-management/service-orders/328361"
key="328361"/>
    <ServiceDefinition>
      <ServiceDefinitionID
uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/328337"
href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/328337"
key="328337"/>
    </ServiceDefinition>
  </Reference>
</Service>
</ServiceResource>
</Data>

```

Modify an RSVP LSP Service

This request is used to modify an RSVP LSP service.

| | |
|----------------------------|---|
| New Parameters | "RSVPLSPConfigParameterServiceType SetupPriority (Integer) HoldPriority (Integer) ClassOfService (Integer)" |
| Description of the Changes | The new parameters are returned in the response XML under the parent tag ServiceParameters. These are the values configured at root level for LSP that are inherited at primary and secondary path. If required, they can be overridden in the primary and secondary paths. |

| | |
|--------------|---|
| URI | api/space/nsas/csd/service/<service-id> |
| HTTP Method | PUT |
| Consumes | application/xml |
| Content Type | application/xml |
| Produces | Modifies an RSVP LSP service. |

Mandatory Parameters

```

"<?xml version="1.0" encoding="UTF-8" ?>
<Data
xmlns="services.schema.networkapi.jmp.juniper.net">

  <ServiceResource>
    <ServiceOrder>
      <Common>

<Name>p2p_cspf_pathprot_Modify_2015-11-27_11-39-35</Name>

      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <TA>
            <Source>

<DeviceName>MAC15re</DeviceName>
              <DeviceID>65548</DeviceID>
            </Source>
            <Destination>

<DeviceName>MAC13re</DeviceName>
              <DeviceID>65541</DeviceID>
            </Destination>
          </TA>
        </DeviceInfo>
        <ServiceEndPoint>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:type="RSVPLSPBFDEndPointParameterOrderType">

            <PrimaryPath>
              <PathName>Path1</PathName>

<SetupPriority>7</SetupPriority>
              <Adaptive>Disabled</Adaptive>

<HoldPriority>0</HoldPriority>

<ClassOfService>0</ClassOfService>
              <HopLimit>255</HopLimit>
              <Bandwidth>-1</Bandwidth>

```

```

        <Paths>
            <Path>

<PathName>Path1</PathName>

        <Connection>Loose</Connection>
            </Path>
        </Paths>
    </PrimaryPath>
    <SecondaryPath>
        <PathName>Path2</PathName>

<SetupPriority>7</SetupPriority>
    <Adaptive>Disabled</Adaptive>

<HoldPriority>0</HoldPriority>

<ClassOfService>0</ClassOfService>
    <HopLimit>255</HopLimit>
    <Bandwidth>-1</Bandwidth>
    <StandBy>>false</StandBy>
    <Paths>
        <Path>

<PathName>Path2</PathName>

<Connection>Loose</Connection>
    </Path>
    </Paths>
    </SecondaryPath>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
    <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:type="RSVP_LSP_BFD_Config_Parameter_Order_Type">

        <ClassOfService>1</ClassOfService>

        <HopLimit>255</HopLimit>
        <HoldPriority>1</HoldPriority>
        <SetupPriority>5</SetupPriority>
        <StandBy>>false</StandBy>

```

```

        <Adaptive>Disabled</Adaptive>
        <RetryLimit>0</RetryLimit>
        <RetryTimer>30</RetryTimer>
        <BandWidth>-1</BandWidth>

    <LDPTunneling>Disabled</LDPTunneling>
        <ProtectionSetting>
            <EnableFR>Disabled</EnableFR>
        </ProtectionSetting>
        <BFD>
            <BFDdetection>None</BFDdetection>

        </BFD>
    </ServiceOrderParameter>
</ServiceOrder>
</ServiceResource>
<CustomAction
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceCustomActionType">
    <Action>SaveAndValidate</Action>
</CustomAction>
</Data>
"

```

Input

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>abc12_Modify_2018-11-28_12-18-44</Name>
        <CreatedBy>super</CreatedBy>
      </Common>
      <LSPPattern key="2">
        <PatternName>Full Mesh Default Pattern</PatternName>
        <PatternID>2</PatternID>

        <PatternTemplate>$Name_$IngressRouter_to_$EgressLoopbackAddress</PatternTemplate>

      </LSPPattern>
    </ServiceOrder>
  </ServiceResource>
</Data>

```

```

<ServiceEndPointGroup>
  <DeviceInfo>
    <TA>
      <Source>
        <DeviceName>VSX1re</DeviceName>
        <DeviceID>8</DeviceID>
      </Source>
      <Destination>
        <DeviceName>VSX2re</DeviceName>
        <DeviceID>6</DeviceID>
      </Destination>
    </TA>
  </DeviceInfo> <ServiceEndPoint>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
si:type="RSVPLSPBFDEndPointParameterOrderType">
      <PrimaryPath>
        <PathName>abc12</PathName>
        <SetupPriority>7</SetupPriority>
        <Adaptive>Disabled</Adaptive>
        <HoldPriority>0</HoldPriority>
        <ClassOfService>-1</ClassOfService>
        <HopLimit>-1</HopLimit>
        <Bandwidth>1</Bandwidth>
        <Paths><Path>
          <PathName>abc12</PathName>
          <IPAddress>1.1.1.1</IPAddress>
          <Connection>Loose</Connection>
        </Path></Paths>
        <OppType>ADD</OppType>
      </PrimaryPath>
    </ServiceEndpointConfiguration>
    <OppType>MODIFY</OppType>
    <ServiceEndpointID>123</ServiceEndpointID>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="RSVPLSPBFDConfigParameterOrderType">
  <ClassOfService>-1</ClassOfService>
  <HopLimit>1</HopLimit>
  <HoldPriority>0</HoldPriority>
  <SetupPriority>7</SetupPriority>

```

```

    <StandBy>false</StandBy>
    <Adaptive>Disabled</Adaptive>
    <RetryLimit>0</RetryLimit>
    <RetryTimer>30</RetryTimer>
    <BandWidth>1</BandWidth>
    <LDPTunneling>Disabled</LDPTunneling>
    <ProtectionSetting>
        <EnableFR>Disabled</EnableFR>
    </ProtectionSetting>
    <BFD>
        <BFDDetection>None</BFDDetection>
    </BFD>
    <OpType>false</OpType>
</ServiceOrderParameter>
<Reference>
    <ServiceDefinition>
        <ServiceDefinitionID key="9"/>
    </ServiceDefinition>
    <Service key= "1" />
</Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceCustomActionType">
    <Action>SaveAndValidate</Action>
</CustomAction></Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
        <Identity>
            <Type>Service</Type>
            <Value>328366</Value>
        </Identity>
        <Identity>
            <Type>ServiceOrder</Type>

```

```

    <Value>328404</Value>
  </Identity>
  <Job>
    <ID>721023</ID>
    <Status>INPROGRESS</Status>
  </Job>
  <Code>200</Code>
  <Message>The Service Modified Successfully and Validation is in Progress.
Please check the status using the JOB ID.</Message>
</Status>
</Data>

```

Create an E-Line Service Order with Ethernet Interfaces

This request is used to create an E-Line service order with Ethernet interfaces.

| | |
|----------------------------|--|
| New Parameters | "PTPElineLDPEndPointConfigParameterOrderType EnableSendOam (String) OutgoingLabelRes (Integer) IncomingLabelRes (String)" |
| Description of the Changes | For P2PLDP-Ethernet ServiceOrder, the SendOEM option is provided. Also, if the static pseudowire option is enabled, , you must provide OutgoingLabel for BackupEndpoint in P2P Resillency. |
| URI | api/space/nsas/eline-ptp/service-management/ service-orders |
| HTTP Method | POST |
| Consumes | application/vnd.net.juniper.space.service- management.service-order-status+xml;version=2 |
| Content Type | application/vnd.net.juniper.space.service-management. service-order+xml;version=2;charset=UTF-8 |
| Produces | Creates an E-Line service order with Ethernet interfaces |

Input

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>SO_outgoingLabel</Name>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA >
            <DeviceName>junos-mx240-space</DeviceName>
            <DeviceID>557067</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/1/0</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDP endPointConfigParameterOrderType">
            <PEDevLoopBackIP>30.1.2.1</PEDevLoopBackIP>
            <EndPointCategory>PTP</EndPointCategory>
            <UNIDescription>N/A</UNIDescription>
            <OutgoingLabel>1000000</OutgoingLabel>
            <EnableSendOam>true</EnableSendOam>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
        <BackUpSettings>
          <Enable>true</Enable>
          <DeviceInfo>
            <NA key="557113" uri="/api/space/nsas/device-roles/pe-devices/557113"
href="/api/space/nsas/device-roles/pe-devices/557113">
              <DeviceName>fortius-f4000-a</DeviceName>
              <DeviceID>557179</DeviceID>
            </NA>
          </DeviceInfo>
          <ServiceEndPoint>
            <InterfaceName>ge-0/0/1</InterfaceName>
            <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDP endPointConfigParameterOrderType">

```

```

        <OutgoingLabelRes>1000004</OutgoingLabelRes>
    </ServiceEndPointConfiguration>
</ServiceEndPoint>
</BackUpSettings>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA key="557154" uri="/api/space/nsas/device-roles/pe-devices/557154"
href="/api/space/nsas/device-roles/pe-devices/557154">
            <DeviceName>fortius-f2100-b</DeviceName>
            <DeviceID>557154</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-1/1/2</InterfaceName>
        <ServiceEndPointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
            <PEDevLoopBackIP>30.1.2.14</PEDevLoopBackIP>
            <EndPointCategory>PTP</EndPointCategory>
            <UNIDescription>N/A</UNIDescription>
            <OutgoingLabel>1000001</OutgoingLabel>
            <EnableSendOam>true</EnableSendOam>
        </ServiceEndPointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
    <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
        <VlanNormalization>Normalization not required</VlanNormalization>
        <EnableMCLAG>>false</EnableMCLAG>
    </ServiceOrderParameter>
    <Reference>
        <Customer key="557227" />
        <ServiceDefinition>
            <ServiceDefinitionID key="393570" />
        </ServiceDefinition>
    </Reference>
</ServiceOrder>
</ServiceResource>
    <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
        <Action>Save</Action>

```

```
</CustomAction>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>328366</Value>
    </Identity>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>328404</Value>
    </Identity>
    <Job>
      <ID>721023</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Modified Successfully and Validation is in Progress.
Please check the status using the JOB ID.</Message>
  </Status>
</Data>
```

Create an E-Line Service Order with TDM Interfaces

This request is used to create an E-Line service order with TDM interfaces.

| | |
|----------------|---|
| New Parameters | "PTPTDMEndPointConfigParameterOrderType EnableSendOam (String) OutgoingLabelRes (Integer) IncomingLabelRes (String)" |
|----------------|---|

| | |
|----------------------------|---|
| Description of the Changes | For P2PLDP-TDM ServiceOrder, the SendOEM option is provided. Also, if the static pseudowire option is enabled, , you must provide OutgoingLabel for BackupEndpoint in P2P Resiliency. |
| URI | api/space/nsas/eline-ntp/service-management/service-orders |
| HTTP Method | POST |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml;version=2 |
| Content Type | application/vnd.net.juniper.space.service-management.service-order+xml;version=2;charset=UTF-8 |
| Produces | Creates an E-Line service order with TDM interfaces |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name> BGP_TDM_API </Name>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>BGP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junos-space1</DeviceName>
            <DeviceID>393414</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>t1-0/0/2</InterfaceName>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>
</Data>
```

```

<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
  <EnableSendOam>true</EnableSendOam>

  <OutgoingLabelRes>1000004</OutgoingLabelRes>
    <IncomingLabelRes>1000001</IncomingLabelRes>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA>
    <DeviceName>Unmanaged device</DeviceName>
    <DeviceID>0</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-1/0/9</InterfaceName>
    <LoopbackIP>30.1.2.7</LoopbackIP>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMConfigParameterOrderType">
  <RouteTarget>69:144410</RouteTarget>
  <RouteDistinguisher>69:1444</RouteDistinguisher>
</ServiceOrderParameter>
<Reference>
  <Customer key="393216"/>
  <ServiceDefinition>
    <ServiceDefinitionID key="3506205"/>
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>2424838</Value>
    </Identity>
    <Job>
      <ID>688205</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Order Created Successfully and Validation is in Progress.
      Please
      check the status using the JOB ID.</Message>
    </Status>
  </Data>
```

Create an E-Line Service Order with ATM Interfaces

This request is used to create an E-Line service order with ATM interfaces.

| | |
|----------------------------|---|
| New Parameters | "PTPATMEndPointConfigParameterOrderType EnableSendOam (String) OutgoingLabelRes (Integer) IncomingLabelRes (String)" |
| Description of the Changes | For P2PLDP-ATM ServiceOrder, the SendOEM option is provided. Also, if the static pseudowire option is enabled, , you must provide OutgoingLabel for BackupEndpoint in P2P Resillency. |
| URI | api/space/nsas/eline-ptp/service-management/ service-orders |
| HTTP Method | POST |
| Consumes | application/vnd.net.juniper.space.service- management.service-order-status+xml;version=2 |
| Content Type | application/vnd.net.juniper.space.service-management. service-order+xml;version=2;charset=UTF-8 |

Produces

Creates an E-Line service order with ATM interfaces

Input**Sample XML Input**

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>BGP_ATM_API</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA >
            <DeviceName>junos-m10-1-space</DeviceName>
            <DeviceID>393269</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>at-1/1/0</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="PTPATMEndPointConfigParameterOrderType">
            <VPI>2</VPI>
            <VCI>3</VCI>
            <EnableSendOam>true</EnableSendOam>

            <OutgoingLabelRes>1000004</OutgoingLabelRes>
            <IncomingLabelRes>1000001</IncomingLabelRes>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA >
            <DeviceName>Unmanaged device</DeviceName>
            <DeviceID>0</DeviceID>
          </NA>
        </DeviceInfo>

```

```

<ServiceEndPoint>
<InterfaceName>ge-1/2/3</InterfaceName>
<LoopbackIP>30.1.2.4</LoopbackIP>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMConfigParameterOrderType">
<RouteTarget>10:13</RouteTarget>
<RouteDistinguisher>10:76</RouteDistinguisher>
</ServiceOrderParameter>
<Reference>
<Customer key="393216"/>
<ServiceDefinition>
<ServiceDefinitionID key="1441819"/>
</ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<Status>
<Identity>
<Type>ServiceOrder</Type>
<Value>2424838</Value>
</Identity>
<Job>
<ID>688205</ID>
<Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>The Service Order Created Successfully and Validation is in Progress.
Please
check the status using the JOB ID.</Message>

```

```
</Status>
</Data>
```

Get an E-Line Service Order with Ethernet Interfaces

This request is used to retrieve E-line service orders configured with Ethernet interfaces.

| | |
|----------------------------|---|
| New Parameters | "PTPElineLDPEndPointConfigParameterServiceType EnableSendOam (String)" |
| Description of the Changes | For Get P2P-ElineLDP service orders, you can retrieve the value of EnableSendOam tag. |
| URI | api/space/nsas/eline-ptp/service-management/service-orders |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-orders+xml |
| Produces | Retrieves E-Line service orders with Ethernet interfaces. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder key="819200"
uri="/api/space/nsas/eline-ptp/service-management/service-orders/819200"
href="/api/space/nsas/eline-ptp/service-management/service-orders/819200">
      <Common>
        <Name>Test_SO_outgoingLabel_1</Name>
        <Identity>819200</Identity>
        <State>Requested</State>
        <CreatedDate>2015-03-17T17:07:13.000+05:30</CreatedDate>
        <LastUpdatedDate>2015-03-17T17:07:11.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
```

```

    <ServiceType>Point-to-Point Pseudowire</ServiceType>
    <Signaling>LDP</Signaling>
    <Action>Provisioning</Action>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <NA key="557067" uri="/api/space/nsas/device-roles/pe-devices/557067"
href="/api/space/nsas/device-roles/pe-devices/557067">
          <DeviceName>junos-mx240-space</DeviceName>
          <DeviceID>557067</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-0/1/0</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDP endPointConfigParameterOrderType">
          <PEDevLoopBackIP>30.1.2.1</PEDevLoopBackIP>
          <EndPointCategory>PTP</EndPointCategory>
          <TrafficType>Transport using port</TrafficType>
          <PhysicalEncapsulation>ethernet-ccc</PhysicalEncapsulation>
          <UNIDescription>N/A</UNIDescription>
          <VlanId>0</VlanId>
          <MTU>1522</MTU>
          <Bandwidth unit="Kbps">0</Bandwidth>
          <OutgoingLabel>1000000</OutgoingLabel>
          <EnableSendOam>true</EnableSendOam>
          <IncomingLabel>1000001</IncomingLabel>
        </ServiceEndpointConfiguration>
      <ServiceTemplates/>
    </ServiceEndPoint>
    <BackUpSettings>
      <Enable>true</Enable>
      <DeviceInfo>
        <NA key="557179" uri="/api/space/nsas/device-roles/pe-devices/557179"
href="/api/space/nsas/device-roles/pe-devices/557179">
          <DeviceName>fortius-f4000-a</DeviceName>
          <DeviceID>557179</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-0/0/7</InterfaceName>
        <ServiceEndpointConfiguration

```

```

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
    <MTU>1522</MTU>
    <RevertTime>5</RevertTime>
    <SwitchOverDelay>0</SwitchOverDelay>
    <OutgoingLabelRes>1000004</OutgoingLabelRes>
    <IncomingLabelRes>1000001</IncomingLabelRes>
    </ServiceEndpointConfiguration>
    </ServiceEndPoint>
    </BackUpSettings>
    </ServiceEndPointGroup>
    <ServiceEndPointGroup>
        <DeviceInfo>
            <NA key="557154" uri="/api/space/nsas/device-roles/pe-devices/557154"
href="/api/space/nsas/device-roles/pe-devices/557154">
                <DeviceName>fortius-f2100-b</DeviceName>
                <DeviceID>557154</DeviceID>
            </NA>
        </DeviceInfo>
        <ServiceEndPoint>
            <InterfaceName>ge-1/1/2</InterfaceName>
            <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
                <PEDevLoopBackIP>30.1.2.14</PEDevLoopBackIP>
                <EndPointCategory>PTP</EndPointCategory>
                <TrafficType>Transport using port</TrafficType>
                <PhysicalEncapsulation>ethernet-ccc</PhysicalEncapsulation>
                <UNIDescription>N/A</UNIDescription>
                <VlanId>0</VlanId>
                <MTU>1522</MTU>
                <Bandwidth unit="Kbps">0</Bandwidth>
                <OutgoingLabel>1000001</OutgoingLabel>
                <EnableSendOam>false</EnableSendOam>
                <IncomingLabel>1000000</IncomingLabel>
            </ServiceEndpointConfiguration>
            <ServiceTemplates/>
        </ServiceEndPoint>
    </ServiceEndPointGroup>
    <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
        <MTU>1522</MTU>

```

```

    <VCID>2147467337</VCID>
    <VlanNormalization>Normalization not required</VlanNormalization>
    <MTUFactor>10</MTUFactor>
  </ServiceOrderParameter>
  <Reference>
    <Customer uri="/api/space/nsas/customer-management/customers/557227"
href="/api/space/nsas/customer-management/customers/557227" key="557227"/>
    <ServiceDefinition>
      <ServiceDefinitionID
uri="/api/space/nsas/eline-ntp/service-management/service-definitions/393570"
href="/api/space/nsas/eline-ntp/service-management/service-definitions/393570"
key="393570"/>
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Get an E-Line Service Order with TDM Interfaces

This request is used to retrieve E-Line service orders configured with TDM interfaces.

| | |
|----------------------------|--|
| New Parameters | "PTPTDMEndPointConfigParameterServiceType EnableSendOam (String)" |
| Description of the Changes | For Get P2P-TDM service orders, you can retrieve the value of EnableSendOam tag. |
| URI | api/space/nsas/eline-ntp/service-management/service-orders |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-orders+xml |
| Produces | Retrieves E-Line service orders with TDM interfaces. |

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service key="753735"
      uri="/api/space/nsas/eline-ntp/service-management/services/753735"
      href="/api/space/nsas/eline-ntp/service-management/services/753735">
      <Common>
        <Name>P2P_TDM_Service </Name>
        <Identity>753735</Identity>
        <State>Deployed</State>
        <Comments>eswreuter</Comments>
        <CreateDate>2014-12-24T13:16:59.000+05:30</CreateDate>
        <LastUpdatedDate>2014-12-24T13:16:59.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>BGP</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
        <SLAStatus>None</SLAStatus>
      </AuditFlag>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="558373" uri="/api/space/nsas/device-roles/pe-devices/558373"
            href="/api/space/nsas/device-roles/pe-devices/558373">
            <DeviceName>junos-space3</DeviceName>
            <DeviceID>558373</DeviceID>
            <CMPDeviceID>131370</CMPDeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>t1-0/0/1.0</InterfaceName>
          <InterfaceIndex>622</InterfaceIndex>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="PTPTDMEndPointConfigParameterServiceType">
            <EndPointCategory>PTP</EndPointCategory>
            <TrafficType>Transport using port</TrafficType>
            <PhysicalEncapsulation>satop</PhysicalEncapsulation>
            <UNIDescription>chbfhghfghf</UNIDescription>
            <JitterBuffer>5</JitterBuffer>
            <IdlePattern>255</IdlePattern>
            <ExcessPacketLossRate>20</ExcessPacketLossRate>
            <PayloadSize>192</PayloadSize>

```

```

<EnableSendOam>true</EnableSendOam>
</ServiceEndpointConfiguration>
<ServiceTemplates/>
</ServiceEndPoint>
<ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
<PEDevice_LoopBackIP>30.1.2.9</PEDevice_LoopBackIP>
<PEDevice_NeighborIP>30.1.2.14</PEDevice_NeighborIP>
</ServiceEndPointGroupParameter>
<BackUpSettings>
<Enable>true</Enable>
<DeviceInfo>
<NA key="558373" uri="/api/space/nsas/device-roles/pe-devices/558373"
href="/api/space/nsas/device-roles/pe-devices/558373">
<DeviceName>junos-space3</DeviceName>
<DeviceID>558373</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>t1-0/0/0.0</InterfaceName>
<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterServiceType">
<EndPointCategory>PTP</EndPointCategory>
<MTU>0</MTU>
<Bandwidth unit="Mbps">0</Bandwidth>
<RevertTime>5</RevertTime>
<SwitchOverDelay>0</SwitchOverDelay>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</BackUpSettings>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DeviceInfo>
<NA key="558345" uri="/api/space/nsas/device-roles/pe-devices/558345"
href="/api/space/nsas/device-roles/pe-devices/558345">
<DeviceName>fortius-f2100-b</DeviceName>
<DeviceID>558345</DeviceID>
<CMPDeviceID>131338</CMPDeviceID>
</NA>
</DeviceInfo>

```

```

<ServiceEndPoint>
  <InterfaceName>t1-0/0/7.0</InterfaceName>
  <InterfaceIndex>512</InterfaceIndex>
  <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="PTPTDMEndPointConfigParameterServiceType">
    <EndPointCategory>PTP</EndPointCategory>
    <TrafficType>Transport using port</TrafficType>
    <PhysicalEncapsulation>satop</PhysicalEncapsulation>
    <UNIDescription>ghfgh</UNIDescription>
    <JitterBuffer>5</JitterBuffer>
    <IdlePattern>255</IdlePattern>
    <ExcessPacketLossRate>20</ExcessPacketLossRate>
    <PayloadSize>192</PayloadSize>
    <EnableSendOam>true</EnableSendOam>
  </ServiceEndpointConfiguration>
</ServiceTemplates/>
</ServiceEndPoint>
<ServiceEndPointGroupParameter
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="PTPServiceEndpointGroupParameterServiceType">
  <PEDevice_LoopBackIP>30.1.2.14</PEDevice_LoopBackIP>
  <PEDevice_NeighborIP>30.1.2.9</PEDevice_NeighborIP>
</ServiceEndPointGroupParameter>
<BackUpSettings>
  <Enable>true</Enable>
  <DeviceInfo>
    <NA key="558373" uri="/api/space/nsas/device-roles/pe-devices/558373"
      href="/api/space/nsas/device-roles/pe-devices/558373">
    <DeviceName>junos-space3</DeviceName>
    <DeviceID>558373</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>t1-0/0/0.0</InterfaceName>
  <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="PTPElineLDPEndPointConfigParameterServiceType">
    <EndPointCategory>PTP</EndPointCategory>
    <MTU>0</MTU>
    <Bandwidth unit="Mbps">0</Bandwidth>
    <RevertTime>5</RevertTime>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>

```

```

<SwitchOverDelay>0</SwitchOverDelay>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</BackUpSettings>
</ServiceEndPointGroup>
<ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMConfigParameterServiceType">
<MTU>1522</MTU>
<VCID>2147467285</VCID>
<EnableMCAPS>true</EnableMCAPS>
</ServiceParameters>
<Reference>
<ServiceOrder
uri="/api/space/nsas/eline-ntp/service-management/service-orders/753723"
href="/api/space/nsas/eline-ntp/service-management/service-orders/753723"
key="753723"/>
<ServiceDefinition>
<ServiceDefinitionID
uri="/api/space/nsas/eline-ntp/service-management/service-definitions/393544"
href="/api/space/nsas/eline-ntp/service-management/service-definitions/393544"
key="393544"/>
</ServiceDefinition>
<Customer uri="/api/space/nsas/customer-management/customers/558401"
href="/api/space/nsas/customer-management/customers/558401" key="558401"/>
</Reference>
</Service>
</ServiceResource>
</Data>

```

Get an E-Line Service Order with ATM Interfaces

This request is used to retrieve E-Line service orders configured with ATM interfaces.

| | |
|----------------------------|--|
| New Parameters | "PTPATMEndPointConfigParameterServiceType EnableSendOam (String)" |
| Description of the Changes | For Get P2P-ATM service orders, you can retrieve the value of EnableSendOam tag. |
| URI | api/space/nsas/eline-ntp/service-management/service-orders |
| HTTP Method | GET |

| | |
|----------|---|
| Consumes | application/vnd.net.juniper.space.service-management.service-orders+xml |
| Produces | Retrieves E-Line service orders with ATM interfaces. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service key="3604613"
      uri="/api/space/nsas/eline-ptp/service-management/services/3604613"
      href="/api/space/nsas/eline-ptp/service-management/services/3604613">
      <Common>
        <Name>ATM_SO</Name>
        <Identity>3604613</Identity>
        <State>Deployed</State>
        <Comments>dgfgd</Comments>
        <CreatedDate>2014-10-21T10:41:32.000+05:30</CreatedDate>
        <LastUpdatedDate>2014-10-21T10:41:32.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>BGP</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
        <SLAStatus>None</SLAStatus>
      </AuditFlag>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="525348" uri="/api/space/nsas/device-roles/pe-devices/525348"
            href="/api/space/nsas/device-roles/pe-devices/525348">
            <DeviceName>junos-space5</DeviceName>
            <DeviceID>525348</DeviceID>
            <CMPDeviceID>131125</CMPDeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>at-0/0/7.1531</InterfaceName>
          <InterfaceIndex>616</InterfaceIndex>
          <ServiceEndpointConfiguration
```

```

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterServiceType">
<EndPointCategory>PTP</EndPointCategory>
<PhysicalEncapsulation>atm-ccc-cell-relay</PhysicalEncapsulation>
<LogicalEncapsulation>N/A</LogicalEncapsulation>
<UNIDescription>dfgfgfdgfd</UNIDescription>
<VPI>34</VPI>
<VCI>45</VCI>
<CellBundleSize>1</CellBundleSize>
<EnableSendOam>true</EnableSendOam>
</ServiceEndpointConfiguration>
<ServiceTemplates/>
</ServiceEndPoint>
<ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
<PEDevice_LoopBackIP>2.3.3.3</PEDevice_LoopBackIP>
<PEDevice_NeighborIP>30.1.2.9</PEDevice_NeighborIP>
</ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DeviceInfo>
<NA key="525406" uri="/api/space/nsas/device-roles/pe-devices/525406"
href="/api/space/nsas/device-roles/pe-devices/525406">
<DeviceName>junos-space3</DeviceName>
<DeviceID>525406</DeviceID>
<CMPDeviceID>131145</CMPDeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>iw0.56</InterfaceName>
<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterServiceType">
<EndPointCategory>PTP</EndPointCategory>
<PhysicalEncapsulation>atm-ccc-cell-relay</PhysicalEncapsulation>
<LogicalEncapsulation>N/A</LogicalEncapsulation>
<StitchingUnit>56</StitchingUnit>
<UNIDescription>dsfdsgfg</UNIDescription>
<VPI>34</VPI>
<VCI>45</VCI>
<EnableSendOam>true</EnableSendOam>

```

```

<CellBundleSize>1</CellBundleSize>
<StitchedPWSegment>
<TPEDevice>fortius-f4000-a</TPEDevice>
<PeerUnitName>67</PeerUnitName>
<Interface>at-1/1/2:1</Interface>
<VlanId>0</VlanId>
<VCID>2147467290</VCID>
</StitchedPWSegment>
</ServiceEndpointConfiguration>
<ServiceTemplates/>
</ServiceEndPoint>
<ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndPointGroupParameterServiceType">
<PEDevice_LoopBackIP>30.1.2.9</PEDevice_LoopBackIP>
<PEDevice_NeighborIP>2.3.3.3</PEDevice_NeighborIP>
</ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
<ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMConfigParameterServiceType">
<MTU>1522</MTU>
<VCID>2147467290</VCID>
<VlanNormalization>Swap</VlanNormalization>
</ServiceParameters>
<Reference>
<ServiceOrder
uri="/api/space/nsas/eline-ptp/service-management/service-orders/3604593"
href="/api/space/nsas/eline-ptp/service-management/service-orders/3604593"
key="3604593"/>
<ServiceDefinition>
<ServiceDefinitionID
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/3407991"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/3407991"
key="3407991"/>
</ServiceDefinition>
<Customer uri="/api/space/nsas/customer-management/customers/525426"
href="/api/space/nsas/customer-management/customers/525426" key="525426"/>
</Reference>
</Service>

```

Create an E-LAN BGP Service Definition

This request is used to create an E-LAN BGP service definition.

| | |
|----------------------------|---|
| New Parameters | InstanceType EnableMultihoming MultihomingMode |
| Description of the Changes | <p>Instance types can be vpls, evpn, virtual-switch.</p> <p>If you select vpls, the available protocol is vpls.</p> <p>If you select evpn, the available protocols are evpn and evpn-etree. If you select evpn or evpn-etree as the protocol, and if EnableMultihoming is true, you can choose single-active or all-active as the multihoming mode.</p> <p>If you select virtual-switch, the available protocols are vpls, evpn and evpn-etree. If you select evpn or evpn-etree as the protocol, and if EnableMultihoming is true, you can choose single-active or all-active as the multihoming mode.</p> |
| URI | api/space/nsas/csd/service-definition |
| HTTP Method | POST |
| Consumes | application/xml |
| Content Type | application/xml |
| Produces | Creates an E-LAN BGP service definition. |

Input

Sample XML Input

```
<Data
  xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>test</Name>
        <Comments></Comments>
```

```

</Common>
<ServiceType>VPLS(BGP)</ServiceType>
<InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
<InstanceType>evpn</InstanceType>
<Protocol>evpn-etree</Protocol>
<UseCount>0</UseCount>
<EnableL3Access>>false</EnableL3Access>
<StaticpseudoWire>undefined</StaticpseudoWire>
<QosEnabled></QosEnabled>
<EnableMultihoming>>true</EnableMultihoming>
<MultihomingMode>single-active</MultihomingMode>
<ServiceElementConfigurationDefinition
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSServiceEndpointGroupParameterDefType">
  <RouteTarget selection="Auto Pick" editable="false"/>
  <RouteDistinguisher selection="Auto pick" editable="false"/>
  <VlanNormalization>Normalization not required</VlanNormalization>
  <MACLearning editable="true">Enabled</MACLearning>
  <MACStatistics editable="true">Enabled</MACStatistics>
  <MACTableSize editable="true">5120</MACTableSize>
  <MACInterfaceLimit editable="true">1024</MACInterfaceLimit>
</ServiceElementConfigurationDefinition>
<ServiceEndPointConfigurationDefinition
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSEndPointParameterDefType">
  <EthernetOption editable="undefined">asymmetric tag depth</EthernetOption>

  <VlanIdSelection selection="Select manually" editable="false"/>
  <VlanIdManual max="4094" min="1" default="1" />
  <TrafficType>Transport vlan list</TrafficType>
  <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>

  <LogicalEncapsulation>vlan-bridge</LogicalEncapsulation>
  <OuterTagProtocolId editable="true">0x88a8</OuterTagProtocolId>
  <MTU max="9192" min="1522" editable="true" default="1522"/>
  <EnableRateLimiting>Enabled</EnableRateLimiting>
  <DefaultBandwidth unit="Mbps" max="100" min="1" editable="true" default
="1">10</DefaultBandwidth>
  <MinBandwidth unit="Kbps" max="100000" min="64">1</MinBandwidth>
  <MaxBandwidth unit="Mbps" max="100000" min="1">10000</MaxBandwidth>
  <Increment unit="Kbps" max="100000" min="64" default="64">1000</Increment>

```

```

    <CalculateBurstSizeType>MTU Based</CalculateBurstSizeType>
    <MTUFactor editable="true">10</MTUFactor>
  </ServiceEndPointConfigurationDefinition>
  <AdvancedSettings
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="VPLSAdvanceEndPointConfigParameterDefType">
    </AdvancedSettings>
  </ServiceDefinition>
</ServiceResource>
</Data>

```

Create an E-LAN BGP Service Order

This request is used to create an E-LAN BGP service order.

| New Parameters | ETreeRole |
|----------------------------|---|
| Description of the Changes | If you select evpn-etree as the protocol in Service Definition, the devices can have their root or leaf configured as ETreeRole. |
| URI | api/space/nsas/csd/service-order |
| HTTP Method | POST |
| Consumes | application/xml |
| Content Type | application/vnd.net.juniper.space.servicemanagement.service-order+xml;version=2;charset=UTF-8application/xml |
| Produces | Creates an E-LAN BGP service order. |

Input

Sample XML Input

```

<Data
  xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>

```

```

<Common>
  <Name>test</Name>
  <CustomerName>JuniperNetworks</CustomerName>
  <CreatedBy>super</CreatedBy>
</Common>
<ServiceEndPointGroup>
  <DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
  <DeviceInfo>
    <NA>
      <DeviceName>VSX3re</DeviceName>
      <DeviceID>5</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/0/6</InterfaceName>
    <ETreeRole>root</ETreeRole>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">
      <Hub>false</Hub>
      <UnitId>111</UnitId>
      <VlanIdList>111</VlanIdList>
      <MTU>1522</MTU>
      <Bandwidth>10</Bandwidth>
      <MACLearning>true</MACLearning>
      <InterfaceMACLimit>1024</InterfaceMACLimit>
      <MACStatistics>true</MACStatistics>
      <MACTableSize>5120</MACTableSize>
      <EthernetOption>dot1q</EthernetOption>
      <OuterTPID>0x88a8</OuterTPID>
      <MHRole>single-active</MHRole>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
  <SecondaryDevices>
    <DeviceDetails>
      <DeviceID>7</DeviceID>
      <DeviceName>VSX4re</DeviceName>
      <InterfaceName>ge-0/0/8.113</InterfaceName>
    </DeviceDetails>
  </SecondaryDevices>
</ServiceEndPointGroup>
<ServiceEndPointGroup>

```

```

<DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
<DeviceInfo>
  <NA>
    <DeviceName>VSX4re</DeviceName>
    <DeviceID>7</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-0/0/8</InterfaceName>
  <ETreeRole>root</ETreeRole>
  <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPPEndPointConfigParameterOrderType">
    <Hub>false</Hub>
    <UnitId>113</UnitId>
    <VlanIdList>113</VlanIdList>
    <MTU>1522</MTU>
    <Bandwidth>10</Bandwidth>
    <MACLearning>true</MACLearning>
    <InterfaceMACLimit>1024</InterfaceMACLimit>
    <MACStatistics>true</MACStatistics>
    <MACTableSize>5120</MACTableSize>
    <EthernetOption>dot1q</EthernetOption>
    <OuterTPID>0x88a8</OuterTPID>
    <MHRole>single-active</MHRole>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
<SecondaryDevices>
  <DeviceDetails>
    <DeviceID>5</DeviceID>
    <DeviceName>VSX3re</DeviceName>
    <InterfaceName>ge-0/0/6.111</InterfaceName>
  </DeviceDetails>
</SecondaryDevices>
</ServiceEndPointGroup>
<ServiceOrderParameter
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterOrderType">
  <HubRouteTarget_AutoPick></HubRouteTarget_AutoPick>
  <SpokeRouteTarget_AutoPick></SpokeRouteTarget_AutoPick>
  <RouteDistinguisher AutoPick = "true"></RouteDistinguisher>
  <RouteTarget AutoPick = "true"></RouteTarget>

```

```

    <MTUFactor>10</MTUFactor>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="1"/>
    <ServiceDefinition>
      <ServiceDefinitionID key="27"/>
    </ServiceDefinition>
    <Service key="undefined"/>
  </Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="ServiceOrderCustomActionType">
  <Action>SaveAndValidate</Action>
</CustomAction>
</Data>

```

Get E-Line Service Template Details of a Service Definition

This request is used to retrieve the template details associated with a passed service definition.

| | |
|----------------------------|---|
| New Parameters | "ServiceTemplateType DynamicAttributesPresent (Boolean) ConfigParamType DynamicAttribute (Boolean)" |
| Description of the Changes | <p>Under ServiceTemplate, <Default>>false</Default> indicates if this template is marked as default for this service definition.</p> <p><DynamicAttributesPresent>true</DynamicAttributesPresent> denotes if this templates has at least one config param that has dynamic attributes</p> <p>The presence of the User <ConfigParams> <DynamicAttribute>true</DynamicAttribute> tag, with a value of true, indicates this parameter is a dynamic attribute, and value may be fetched from associated device at runtime.</p> |
| URI | api/space/nsas/eline-ptp/service-management/service-definitions/2162688/serviceTemplates?_dc=1448974490650&page=1&start=0&limit=25 |

| | |
|-------------|--|
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-template+xml;version=2; application/vnd.net.juniper.space.service-management.service-template+json;version=2 |
| Produces | Retrieves the template details associated with a service definition. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
      <ServiceTemplate
href="/api/space/nsas/eline-ptp/service-management/service-templates/2129932"
uri="/api/space/nsas/eline-ptp/service-management/service-templates/2129932"
key="2129932">
        <Common>
          <Name>P2PTemplate</Name>
          <Identity>2129932</Identity>
          <State>Published</State>
          <CreatedDate>2015-12-01T07:42:25.861-05:00</CreatedDate>
          <LastUpdatedDate>2015-12-01T07:42:25.861-05:00</LastUpdatedDate>

          <CreatedBy>super</CreatedBy>
        </Common>
        <ConfigParams>
          <Name>Description</Name>
          <DataType>Enumeration</DataType>
          <Description>Text description of interface</Description>
          <OperatorVisibility>Editable</OperatorVisibility>
          <Value>ServiceEndPoint As Name</Value>
          <SetofValues>
            <Value>DefaultDescription</Value>
            <Value>l2vpn interface</Value>
          </SetofValues>
          <Xpath>/configuration/cpl/interface/description</Xpath>
        </ConfigParams>
      </ServiceTemplate>
    </ServiceResource>
  </Data>
```

```

        <Decommission>false</Decommission>
        <SvcSpecificValue>false</SvcSpecificValue>
        <DynamicAttribute>true</DynamicAttribute>
        <ConfigPageName>cpl</ConfigPageName>
        <Validation />
    </ConfigParams>
    <Default>false</Default>
    <DynamicAttributesPresent>true</DynamicAttributesPresent>
</ServiceTemplate>
<ServiceTemplate
href="/api/space/nsas/eline-ntp/service-management/service-templates/2129938"
uri="/api/space/nsas/eline-ntp/service-management/service-templates/2129938"
key="2129938">
    <Common>
        <Name>TestTemplate2</Name>
        <Identity>2129938</Identity>
        <State>Published</State>
        <CreateDate>2015-12-01T07:41:33.689-05:00</CreateDate>
        <LastUpdatedDate>2015-12-01T07:41:33.689-05:00</LastUpdatedDate>

        <CreatedBy>super</CreatedBy>
    </Common>
    <ConfigParams>
        <Name>Description</Name>
        <DataType>String</DataType>
        <Description>Text description of interface</Description>
        <OperatorVisibility>Editable</OperatorVisibility>
        <Value>ServiceSpecifcName</Value>
        <SetofValues />
        <Xpath>/configuration/cpl/interface/description</Xpath>
        <Decommission>false</Decommission>
        <SvcSpecificValue>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
        <Validation>
            <MinOccurrence>0</MinOccurrence>
            <MaxOccurrence>2147483647</MaxOccurrence>
        </Validation>
    </ConfigParams>
    <Default>true</Default>
    <DynamicAttributesPresent>false</DynamicAttributesPresent>
</ServiceTemplate>

```

```
        </ServiceResource>
    </Data>
```

Get a Service Definition With a Default Service Template

This request is used to retrieve all the service definitions that contain a service template as the default template.

| | |
|----------------------------|---|
| New Parameters | "ServiceTemplateType Default (Boolean)" |
| Description of the Changes | The <Default> tag under <ServiceTemplate> indicates if this template is marked as a default template in the service definition. |
| URI | /api/space/nsas/eline-ntp/service-management/service-definitions/2162688?_dc=1448973954913&id=2162688 |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition+xml;version=2; |
| Content Type | application/vnd.net.juniper.space.service-management.service-definition+xml;version=2; charset=UTF-8; |
| Produces | Retrieves service definitions that are attached with service templates labeled as the default template. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition key="2162688"
uri="/api/space/nsas/eline-ntp/service-management/service-definitions/2162688"
```

href="/api/space/nsas/eline-ntp/service-management/service-definitions/2162688">

<Common>

<Name>P2P_SD_WithTemplates</Name>

<Identity>2162688</Identity>

<State>Published</State>

<CreateDate>2015-12-01T07:45:38.000-05:00</CreateDate>

<LastUpdatedDate>2015-12-01T07:45:38.000-05:00</LastUpdatedDate>

<CreatedBy>super</CreatedBy>

</Common>

<ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>

<InterfaceType>Ethernet</InterfaceType>

<StaticpseudoWire>false</StaticpseudoWire>

<EnableL3Access>false</EnableL3Access>

<QosEnabled>false</QosEnabled>

<MultiSegmentPseudowire>false</MultiSegmentPseudowire>

<PWResiliency>false</PWResiliency>

<DecoupleStatus>false</DecoupleStatus>

<ServiceTemplates>

<ServiceTemplate

href="/api/space/nsas/eline-ntp/service-management/service-templates/2129932"

uri="/api/space/nsas/eline-ntp/service-management/service-templates/2129932"

key="/api/space/nsas/eline-ntp/service-management/service-templates/2129932">

<ID>2129932</ID>

<Name>P2PTemplate</Name>

<Default>false</Default>

</ServiceTemplate>

<ServiceTemplate

href="/api/space/nsas/eline-ntp/service-management/service-templates/2129938"

uri="/api/space/nsas/eline-ntp/service-management/service-templates/2129938"

key="/api/space/nsas/eline-ntp/service-management/service-templates/2129938">

<ID>2129938</ID>

<Name>TestTemplate2</Name>

<Default>true</Default>

</ServiceTemplate>

</ServiceTemplates>

<ServiceElementConfigurationDefinition

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

```

xsi:type="PTPServiceEndpointGroupParameterDefType">
    <VCID max="4294967296" min="1" editable="false" selection="Auto
pick" default="1" />
    <MTU max="" min="" editable="false" default="1522" />
    <VlanNormalization>Swap</VlanNormalization>
    <OutGoingLabel />
</ServiceElementConfigurationDefinition>
<ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType">
    <EthernetOption>dot1q</EthernetOption>
    <VlanIdSelection editable="false" selection="Auto pick" />
    <TrafficType>Transport single vlan</TrafficType>
    <VlanIdAuto max="4094" min="1" default="1" />
    <VlanIdManual max="4094" min="1" default="1" />

<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
    <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
    <MTU max="0" min="0" editable="false" default="1522" />
    <EnableRateLimiting>Not enabled</EnableRateLimiting>
    <DefaultBandwidth unit="Mbps" max="100" min="1" editable="false"
default="1">N/A</DefaultBandwidth>
    <MinBandwidth unit="Kbps" max="100000" min="64">0</MinBandwidth>

    <MaxBandwidth unit="Mbps" max="100000" min="1">0</MaxBandwidth>
    <Increment unit="Kbps" max="100000" min="64"
default="64">0</Increment>
    <CalculateBurstSizeType>MTU Based</CalculateBurstSizeType>
    <MTUFactor editable="false">0</MTUFactor>
</ServiceEndPointConfigurationDefinition>
<UseCount>0</UseCount>
<UsedBy />
<IsStandard>false</IsStandard>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Create Service Order with a Service Definition Attached with Default Templates

This request is used to create a service order that contains a service definition attached with default service templates.

| | |
|----------------------------|--|
| New Parameters | "ServiceEndPointGroupType DonotApplyDefaultTemplatesOfSD" |
| Description of the Changes | During the service order creation, as a rule, all default templates of service definition are applied to all end points of a service order. If you want to skip all default templates for specific service endpoints, per ServiceEndPointGroupType, use the tag DonotApplyDefaultTemplatesOfSD with a value of true <DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD> In the following example, for the endpoint 1, the default templates are skipped, because of <DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD> |
| URI | /api/space/nsas/eline-ptp/service-management/service-orders |
| HTTP Method | POST |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml;version=2 |
| Content Type | application/vnd.net.juniper.space.service-management.service-order+xml;version=2;charset=UTF-8 |
| Produces | Creates a service order with a service definition that contains default service templates. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResources>
    <ServiceOrder>
      <Common>
        <Name>helol</Name>
```

```

        <CustomerName>Airtel</CustomerName>
    </Common>
    <ServiceType>Point-to-Point Pseudowire</ServiceType>
    <Signaling>LDP</Signaling>
    <Action>Provisioning</Action>
    <ServiceEndPointGroup>

<DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
    <DeviceInfo>
        <NA>
            <DeviceName>960R2_EL_Alok_re</DeviceName>
            <DeviceID>917510</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/0/2</InterfaceName>
        <InterfaceID>917562</InterfaceID>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA>
            <DeviceName>960R1_EL_Alok_re</DeviceName>
            <DeviceID>917509</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/0/2</InterfaceName>
        <InterfaceID>917515</InterfaceID>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
        </ServiceEndpointConfiguration>
        <ServiceTemplates>
            <ServiceTemplate>
                <Name>Set Family CCC</Name>

```

```

        <ID>491606</ID>
    </ServiceTemplate>
    <ServiceTemplate>
        <Name>P2P_LDP_TraceOptions</Name>
        <ID>491618</ID>
        <ConfigParams>
            <Name>Filename</Name>
            <Value>TraceFileName</Value>

<Xpath>/configuration/cpl/l2circuit/traceoptions/file/filename</Xpath>
            <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
        <ConfigParams>
            <Name>Size</Name>
            <Value>10240</Value>

<Xpath>/configuration/cpl/l2circuit/traceoptions/file/size</Xpath>
            <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
        <ConfigParams>
            <Name>Detail</Name>
            <Value>true</Value>

<Xpath>/configuration/cpl/l2circuit/traceoptions/flag/detail</Xpath>
            <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
        <ConfigParams>
            <Name>Disable</Name>
            <Value>true</Value>

<Xpath>/configuration/cpl/l2circuit/traceoptions/flag/disable</Xpath>
            <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
        <ConfigParams>
            <Name>Name</Name>
            <Value>all</Value>

<Xpath>/configuration/cpl/l2circuit/traceoptions/flag/name</Xpath>
            <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
        <ConfigParams>
            <Name>Receive</Name>

```

```

        <Value>true</Value>

<Xpath>/configuration/cpl/l2circuit/traceoptions/flag/receive</Xpath>
    <ConfigPageName>cpl</ConfigPageName>
</ConfigParams>
<ConfigParams>
    <Name>Send</Name>
    <Value>true</Value>

<Xpath>/configuration/cpl/l2circuit/traceoptions/flag/send</Xpath>
    <ConfigPageName>cpl</ConfigPageName>
</ConfigParams>
</ServiceTemplate>
<ServiceTemplate>
    <Name>P2P_LDP_L2circuitOptions</Name>
    <ID>491612</ID>
    <ConfigParams>
        <Name>Members[@rowId="1"]</Name>
        <Value>69:100</Value>

<Xpath>/configuration/cpl/policy-options/community/members</Xpath>
    <ConfigPageName>cpl</ConfigPageName>
</ConfigParams>
<ConfigParams>
    <Name>Name</Name>
    <Value>CommunityFromTemplate</Value>

<Xpath>/configuration/cpl/policy-options/community/name</Xpath>
    <ConfigPageName>cpl</ConfigPageName>
</ConfigParams>
<ConfigParams>
    <Name>Community</Name>
    <Value>CommunityFromTemplate</Value>

<Xpath>/configuration/cpl/protocols/l2circuit/neighbor/interface/community</Xpath>

    <ConfigPageName>cpl</ConfigPageName>
</ConfigParams>
<ConfigParams>
    <Name>Description</Name>
    <Value>Description fromTemplate</Value>

```

```
<Xpath>/configuration/cpl/protocols/l2circuit/neighbor/interface/description</Xpath>
```

```

    <ConfigPageName>cpl</ConfigPageName>
  </ConfigParams>
  <ConfigParams>
    <Name>Ignore-mtu-mismatch</Name>
    <Value>true</Value>
  </ConfigParams>

```

```
<Xpath>/configuration/cpl/protocols/l2circuit/neighbor/interface/ignore-mtu-mismatch</Xpath>
```

```

    <ConfigPageName>cpl</ConfigPageName>
  </ConfigParams>
  <ConfigParams>
    <Name>Pseudowire-status-tlv</Name>
    <Value>true</Value>
  </ConfigParams>

```

```
<Xpath>/configuration/cpl/protocols/l2circuit/neighbor/interface/pseudowire-status-tlv</Xpath>
```

```

    <ConfigPageName>cpl</ConfigPageName>
  </ConfigParams>
</ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType" />
  <Reference>
    <Customer key="917585" />
    <ServiceDefinition>
      <ServiceDefinitionID key="688463" />
    </ServiceDefinition>
    <Service key="undefined" />
  </Reference>
</ServiceOrder>
</ServiceResource>
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndValidate</Action>
  </CustomAction>
</Data>

```

Get All Services

This request is used to retrieve all the services.

| | |
|----------------------------|---|
| New Parameters | "ServiceType OverallStatus (String)" |
| Description of the Changes | The new parameter is returned in the response XML under parent tag basic-service. |
| URI | api/space/nsas/basic-services/?_dc=1448982057002 &srvNodeType=serviceType&srvNodeValue =&orderby=[{"property":"activationDate","direction":"DESC"}] &page=1&start=0&limit=25 |
| HTTP Method | GET |
| Consumes | application/vnd.juniper.api.space.nsas.basic- services+xml;version=2;q=0.02; |
| Content Type | application/vnd.juniper.api.space.nsas.basic- services+xml;charset=UTF-8" |
| Produces | Retrieves all the services. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8"?>
<basic-services uri="/api/space/nsas/basic-services/" total="20">
  <basic-service>
    <customer-name>Neutrona</customer-name>
    <fault-status>None</fault-status>
    <definition>test-p2p-TPID</definition>
    <status>Pending</status>
    <state>Deployed</state>
    <topo-type>POINT2POINT</topo-type>
    <_policy-name>test-p2p-TPID</_policy-name>
    <overall-status>N/A</overall-status>
    <service-id>4194361</service-id>
    <signaling>BGP</signaling>
```

```

    <activation-date>2015-12-01T20:30:02.000+0530</activation-date>
    <service-type>ELINEKompella</service-type>
    <sla-status>None</sla-status>
    <customer-id>Neutrona</customer-id>
    <name>p2p-tpid-so-3</name>
    <last-modified-date>2015-12-01T20:30:02.000+0530</last-modified-date>
    <definition-id>test-p2p-TPID</definition-id>
    <pm-status>None</pm-status>
  </basic-service>
  <basic-service>
    <customer-name>Neutrona</customer-name>
    <fault-status>None</fault-status>
    <definition>p2p-sd-pw-access</definition>
    <status>Pending</status>
    <state>DeploymentPending</state>
    <topo-type>POINT2POINT</topo-type>
    <_policy-name>p2p-sd-pw-access</_policy-name>
    <overall-status>N/A</overall-status>
    <service-id>4718622</service-id>
    <signaling>LDP</signaling>
    <service-type>ELINEMartini</service-type>
    <sla-status>None</sla-status>
    <customer-id>Neutrona</customer-id>
    <name>sada</name>
    <last-modified-date>2015-12-01T14:39:43.000+0530</last-modified-date>
    <definition-id>p2p-sd-pw-access</definition-id>
    <pm-status>None</pm-status>
  </basic-service>
</basic-services>

```

Get All ELAN Service Orders

This request is used to retrieve all the service orders.

| | |
|----------------------------|--|
| New Parameters | "CommonType ScheduledState (String)" <ScheduledState>Deployment Scheduled</ScheduledState> <ScheduledState>Validation Scheduled</ScheduledState> <ScheduledState>DeActivate Scheduled</ScheduledState> <ScheduledState>ReActivate Scheduled</ScheduledState> <ScheduledState>Decommissioned Scheduled</ScheduledState> <ScheduledState>Force Deployment Scheduled</ScheduledState> |
| Description of the Changes | The new parameter is returned in the response XML under parent tag ServiceResource -> ServiceOrder -> Common. |
| URI | api/space/nsas/elan-vpls/service-management/ service-orders/ordersforservice?_dc=1448983779127 &serviceId=4685837&page=1&start=0&limit=25 |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service- management.service-orders+xml |
| Content Type | application/vnd.net.juniper.space.service- management.service-order+xml;version=2;charset=UTF-8 |
| Produces | Retrieves all of the service orders. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="1">
    <ServiceOrder key="4718615"
uri="/api/space/nsas/eline-ptp/service-management/service-orders/4718615"
href="/api/space/nsas/eline-ptp/service-management/service-orders/4718615">
      <Common>
        <Name>sada</Name>
        <Identity>4718615</Identity>
        <State>Scheduled</State>
        <ScheduledState>Deployment Scheduled</ScheduledState>
        <CreateDate>2015-12-01T14:39:43.000+05:30</CreateDate>
        <LastUpdatedDate>2015-12-01T14:39:43.000+05:30</LastUpdatedDate>

        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>ELINEMartini</ServiceType>
      <JobIdsList>2134901</JobIdsList>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <Reference>
        <Customer
uri="/api/space/nsas/customer-management/customers/688556"
href="/api/space/nsas/customer-management/customers/688556" key="688556">
          <CustomerName>Neutrona</CustomerName>
        </Customer>
        <ServiceDefinition>
          <ServiceDefinitionID
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/4718592"

href="/api/space/nsas/eline-ptp/service-management/service-definitions/4718592"
key="4718592">
            <ServiceDefinitionName>p2p-sd-pw-access</ServiceDefinitionName>
            </ServiceDefinitionID>
          </ServiceDefinition>
          <Service
uri="/api/space/nsas/eline-ptp/service-management/services/4718622"
href="/api/space/nsas/eline-ptp/service-management/services/4718622"
key="4718622" />
        </Reference>
      </ServiceOrder>
    </ServiceResource>
  </Data>

```

```
</ServiceResource>
</Data>
```

Get Service Order by ID (For E-LAN Services Types)

This request is used to retrieve a particular service order by the order ID.

| | |
|----------------------------|--|
| New Parameters | "ServiceOrderType JobIdsList" |
| Description of the Changes | This parameter is added to check job history of the service order. |
| URI | api/space/nsas/elan-vpls/service-management/ service-orders/{orderId} |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service- management.service-order+xml;version=2; |
| Content Type | application/vnd.net.juniper.space.service- management.service-order+xml;version=2;" |
| Produces | Retrieve a particular service order by the order ID. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder key="426229"
uri="/api/space/nsas/elan-vpls/service-management/service-orders/426229"
href="/api/space/nsas/elan-vpls/service-management/service-orders/426229">
      <Common>
        <Name>vpls_ravi</Name>
        <Identity>426229</Identity>
        <State>Invalid</State>
```

```

        <ScheduledState>Invalid</ScheduledState>
        <CreateDate>2015-11-24T15:40:54.000+05:30</CreateDate>
        <LastUpdatedDate>2015-11-24T15:40:54.000+05:30</LastUpdatedDate>

        <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>Multipoint-to-Multipoint Ethernet (VPLS)</ServiceType>

    <JobIdsList>196652, 720905</JobIdsList>
    <Signaling>BGP</Signaling>
    <Action>Provisioning</Action>
    <ServiceEndPointGroup>
        <DeviceInfo>
            <NA key="688216"
uri="/api/space/nsas/device-roles/pe-devices/688216"
href="/api/space/nsas/device-roles/pe-devices/688216">
                <DeviceName>960R2_EN_Alok_re</DeviceName>
                <DeviceID>688216</DeviceID>
            </NA>
        </DeviceInfo>
        <ServiceEndPoint>
            <InterfaceName>ge-0/0/4</InterfaceName>
            <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">

                <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
                <EthernetOption>dot1q</EthernetOption>
                <UNIDescription>N/A</UNIDescription>
                <VlanId>2</VlanId>
                <MTU>1522</MTU>
                <Bandwidth unit="Mbps">10</Bandwidth>
                <MACLearning>true</MACLearning>
                <InterfaceMACLimit>1024</InterfaceMACLimit>
                <MACStatistics>false</MACStatistics>
                <MACTableSize>5120</MACTableSize>
                <OuterTPID>None</OuterTPID>
                <UnitId>2</UnitId>
            </ServiceEndpointConfiguration>
        <ServiceTemplates />
    </ServiceEndPoint>
</ServiceEndPointGroup>

```

```

        <ServiceEndPointGroup>
            <DeviceInfo>
                <NA key="688131"
uri="/api/space/nsas/device-roles/pe-devices/688131"
href="/api/space/nsas/device-roles/pe-devices/688131">
                    <DeviceName>960R1_EN_Alok_re</DeviceName>
                    <DeviceID>688131</DeviceID>
                </NA>
            </DeviceInfo>
            <ServiceEndPoint>
                <InterfaceName>ge-0/0/8</InterfaceName>
                <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">

<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
                    <EthernetOption>dot1q</EthernetOption>
                    <UNIDescription>N/A</UNIDescription>
                    <VlanId>2</VlanId>
                    <MTU>1522</MTU>
                    <Bandwidth unit="Mbps">10</Bandwidth>
                    <MACLearning>true</MACLearning>
                    <InterfaceMACLimit>1024</InterfaceMACLimit>
                    <MACStatistics>false</MACStatistics>
                    <MACTableSize>5120</MACTableSize>
                    <OuterTPID>None</OuterTPID>
                    <UnitId>2</UnitId>
                </ServiceEndpointConfiguration>
                <ServiceTemplates />
            </ServiceEndPoint>
        </ServiceEndPointGroup>
        <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterOrderType">
            <TrafficType>Transport single vlan</TrafficType>
            <RouteTarget>100:11</RouteTarget>
            <VLANNormalization>Not Normalized</VLANNormalization>
            <RouteDistinguisher>36000:2</RouteDistinguisher>
            <MTUFactor>10</MTUFactor>
        </ServiceOrderParameter>
        <Reference>
            <Customer

```

```
uri="/api/space/nsas/customer-management/customers/688213"
href="/api/space/nsas/customer-management/customers/688213" key="688213">
    <CustomerName>Juniper01</CustomerName>
  </Customer>
  <ServiceDefinition>
    <ServiceDefinitionID>
      uri="/api/space/nsas/elan-vpls/service-management/service-definitions/426008"
      href="/api/space/nsas/elan-vpls/service-management/service-definitions/426008"
      key="426008">

        <ServiceDefinitionName>ELAN-BGP-Dot1Q-SingleVLAN</ServiceDefinitionName>
        </ServiceDefinitionID>
      </ServiceDefinition>
      <Service>
        uri="/api/space/nsas/elan-vpls/service-management/services/426216"
        href="/api/space/nsas/elan-vpls/service-management/services/426216"
        key="426216" />
      </Reference>
    </ServiceOrder>
  </ServiceResource>
</Data>
```

Get CFM Profiles with Attached SLA Profile and Action Profile

This request is used to retrieve all the CFM profile details together with SLA profiles and action profiles.

| | |
|----------------------------|--|
| New Parameters | "ActionProfile Name SLAProfileDetails SLAProfile Name DataTlvSize IterationCount Priority" |
| Description of the Changes | If the CFM profile has Action Profile/SLA profile associated, the tags ActionProfile, and SLAProfileDetails under RemoteMEPSsettings/IteratorProfileSettings show the associated profile details |
| URI | /api/space/nsas/cfm-profiles/service-management/service-definitions/163861?_dc=1449054951793 |

| | |
|-------------|---|
| HTTP Method | GET |
| Consumes | application/vnd.juniper.space.service-management.service-definition+xml |
| Produces | Retrieves all the CFM profile details together with SLA profiles and action profiles. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <OAMDesign>
      <OAMProfile key="163861"
uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/163861"

href="/api/space/nsas/cfm-profiles/service-management/service-definitions/163861">

        <Common>
          <Name>CFMProfile</Name>
          <Identity>163861</Identity>
          <State>Published</State>
          <CreatedDate>2015-12-02T04:45:53.000+05:30</CreatedDate>
          <LastUpdatedDate>2015-12-02T04:45:53.000+05:30</LastUpdatedDate>

          <CreatedBy>super</CreatedBy>
        </Common>
        <CFMDomain>
          <DomainName>JNPR</DomainName>
          <DomainLevel>1</DomainLevel>
          <RemoteMEP>true</RemoteMEP>
          <DefinitionType>MEP</DefinitionType>
        </CFMDomain>
        <CCSettings>
          <HoldInterval Editable="false">1</HoldInterval>
          <MessageInterval Editable="false">1s</MessageInterval>
          <LossThreshold Editable="false">3</LossThreshold>
          <InterfaceStatus Editable="false">false</InterfaceStatus>
          <PortStatusTLV Editable="false">false</PortStatusTLV>
          <ProtectionOuiTLV Editable="false">false</ProtectionOuiTLV>
```

```

    </CCSettings>
    <MEPSettings>
      <MEPId>Select manually</MEPId>
      <Direction Editable="false">Up</Direction>
      <Priority Editable="false">0</Priority>
      <AcceptCCMesgFromRemoteMEP>true</AcceptCCMesgFromRemoteMEP>
    </MEPSettings>
    <RemoteMEPSettings>
      <IteratorProfileSettings>
        <ActionProfile key="65536"
uri="/api/space/nsas/cfm-actionprofiles/service-management/service-definitions/65536"

href="/api/space/nsas/cfm-actionprofiles/service-management/service-definitions/65536">

          <Name>StdDef-ActionProfile</Name>
        </ActionProfile>
        <SLAProfileDetails>
          <SLAProfile key="98315"
uri="/api/space/nsas/sla-iteratorprofiles/service-management/service-definitions/98315"

href="/api/space/nsas/sla-iteratorprofiles/service-management/service-definitions/98315">

            <Name>StdDef-SFL</Name>
          </SLAProfile>
          <DataTlvSize>0</DataTlvSize>
          <IterationCount>0</IterationCount>
          <Priority>0</Priority>
        </SLAProfileDetails>
      </IteratorProfileSettings>
    </RemoteMEPSettings>
  </OAMProfile>
</OAMDesign>
</ServiceResource>
</Data>

```

Get TA Device Details by Device Name

This request is used to retrieve all the details of a particular TA device.

| | |
|----------------------------|---|
| New Parameters | "DeviceType Version (String) Platform (String) Connection (String)" |
| Description of the Changes | |
| URI | /api/space/nsas/prestage-ta-device/manage-devices/devices/by-device-name/{peDeviceName} |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.manage-devices.ta-device-by-name+xml |
| Produces | Retrieves a specific TA device configuration. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Devices>
    <Device key="1409114"
uri="/api/space/nsas/prestage-ta-device/manage-devices/devices/1409114"
href="/api/space/nsas/prestage-ta-device/manage-devices/devices/1409114">
      <Common>
        <Name>junos-mx480-space</Name>
        <Identity>1409114</Identity>
      </Common>
      <LoopBackAddress>30.1.2.6</LoopBackAddress>
      <Admins />
      <Ports>
        <Port>
          <Name>gr-0/0/0</Name>
          <Id>1409115</Id>
        </Port>
      </Ports>
    </Device>
  </Devices>
</Data>
```

```

        </Ports>
        <IPAddress>10.216.114.100</IPAddress>
        <Version>14.1X50-D130</Version>
        <Platform>MX480</Platform>
        <Connection>up</Connection>
    </Device>
</Devices>
</Data>
```

Get an NNI Interface Details by Device Name

This request is used to retrieve the details of a particular network-to-network (NNI) or egress interface.

| | |
|----------------------------|--|
| New Parameters | "PortsType size (Integer)" |
| Description of the Changes | This API is used to get all NNI details by device name. |
| URI | /api/spac/nsa/psd/get-a-device/manage-devices/devices/nni/{peDeviceName} |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.manage-devices.ta-device-nni+xml |
| Produces | Retrieves all NNI details by device name. |

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Devices>
    <Device>
      <Ports size="16">
        <Port>
          <Name>ge-0/0/0</Name>
          <Id>1441885</Id>
        </Port>
        <Port>
          <Name>ge-0/0/1</Name>
```

```

        <Id>1441886</Id>
    </Port>
</Ports>
</Device>
</Devices>
</Data>

```

New REST APIs in Connectivity Services Director

This section describes the REST APIs that are newly introduced in Connectivity Services Director.

Create an LSP Service Order

This request is used to create an LSP service order.

| | |
|----------------------------|---|
| New Parameters | "RSVPLSPConfigOrderParameterType SetupPriority (Integer) HoldPriority (Integer) ClassOfService (Integer) " |
| Description of the Changes | The three new parameters are sent in request payload to configure them at root LSP level. In Services Activation Director, you could configure these parameters at Primary and Secondary LSP paths only. In the old version of API, these parameters are not used and therefore, they are not sent in the request payload). A value of -1 indicates that parameter must be deleted from the service order |
| URI | /api/space/nsas/rsvp-lsp/service-management/service-orders) |
| HTTP Method | POST |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml;version=2 |
| Content Type | application/vnd.net.juniper.space.service-management.service-order+xml;version=2;charset=UTF-8 |
| Produces | Creates an LSP service order. |

Mandatory Parameters



```

"<?xml version="1.0" encoding="UTF-8" ?>
<Data
xmlns="services.schema.networkapi.jmp.juniper.net">

  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>p2p32</Name>
      </Common>
      <ServiceType>RSVP</ServiceType>

<ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:type="PTPServiceEndpointGroupParameterDefType"/>

<ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType"/>

  <TransportActivate
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="RSVPLSPTType">
    <Topology>P2P</Topology>

<PathSelectionType>CSPF</PathSelectionType>

  <LSPProtectionType
Editable="true">Path
Protection</LSPProtectionType>
    <Advanced>
      <HopLimit
Editable="true">255</HopLimit>
      <ClassofService
Editable="true">0</ClassofService>
      <Bandwidth
Editable="true">222</Bandwidth>
      <HoldPriority
Editable="true">0</HoldPriority>
      <SetupPriority
Editable="true">7</SetupPriority>
      <RetryLimit
Editable="true">2</RetryLimit>

```

```

        <RetryTimer
Editable=" "true" ">22</RetryTimer>
        <FastReroute
Editable=" "true" ">true</FastReroute>
        <LDPTunneling
Editable=" "true" ">true</LDPTunneling>
        <Standby
Editable=" "true" ">false</Standby>
        <Adaptive
Editable=" "true" ">false</Adaptive>
    </Advanced>
    <Autobandwidth>
        <AutoBWidth
Editable=" "true" ">false</AutoBWidth>
    </Autobandwidth>
    <BFD>
        <BFDDetection>Primary
Path</BFDDetection>
        <MinimumInterval
Editable=" "true" ">300</MinimumInterval>
        <MiniRecieveInterval
Editable=" "true" ">50</MiniRecieveInterval>

        <Multiplier
Editable=" "true" ">3</Multiplier>
        <TransmitMinInterval
Editable=" "true" ">50</TransmitMinInterval>

        <TransmitThreshold
Editable=" "true" "/">
        <DetectionThreshold
Editable=" "true" "/">
        <NoAdaption
Editable=" "true" ">false</NoAdaption>
        <FailureAction
Editable=" "true" ">Teardown</FailureAction>

    </BFD>
</TransportActivate>
</ServiceDefinition>
<ServiceOrder>
    <Common>
        <Name>p2p32</Name>
    </Common>
    <LSPPattern key=" "196902" "/">

```



```

<IPAddress>40.3.4.1</IPAddress>

<Connection>Strict</Connection>
    </Path>
</Paths>
</PrimaryPath>
<SecondaryPath>
    <PathName>My2</PathName>

<SetupPriority>7</SetupPriority>
    <Adaptive>Disabled</Adaptive>

<HoldPriority>0</HoldPriority>

<ClassOfService>0</ClassOfService>
    <HopLimit>255</HopLimit>
    <Bandwidth>222</Bandwidth>
    <StandBy>undefined</StandBy>

    <Paths>
        <Path>
            <PathName>My2</PathName>

<IPAddress>40.1.2.2</IPAddress>

<Connection>Loose</Connection>
    </Path>
    <Path>
        <PathName>My2</PathName>

<IPAddress>40.2.4.2</IPAddress>

<Connection>Loose</Connection>
    </Path>
</Paths>
    </SecondaryPath>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

```

```

xsi:type="RSVPLSPBFDConfigParameterOrderType">

    <ClassOfService>0</ClassOfService>

    <HopLimit>255</HopLimit>
    <HoldPriority>0</HoldPriority>
    <SetupPriority>7</SetupPriority>
    <StandBy>>false</StandBy>
    <Adaptive>Disabled</Adaptive>
    <RetryLimit>2</RetryLimit>
    <RetryTimer>22</RetryTimer>
    <BandWidth>222</BandWidth>

    <LDPTunneling>Enabled</LDPTunneling>
    <ProtectionSetting>
        <LSPPProtectionType>Path
Protection</LSPPProtectionType>
        <EnableFR>Enabled</EnableFR>
    </ProtectionSetting>
    <BFD>
        <BFDDetection>Primary
Path</BFDDetection>
        <MinInterval>300</MinInterval>

    <MinReceiveInterval>50</MinReceiveInterval>

    <Multiplier>3</Multiplier>
    <NoAdaption>>false</NoAdaption>

    <TransmitMinInterval>50</TransmitMinInterval>

    <FailureAction>Teardown</FailureAction>
    </BFD>
    </ServiceOrderParameter>
    </ServiceOrder>
    </ServiceResource>
    <CustomAction
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">

        <Action>SaveAndValidate</Action>
    </CustomAction>
</Data>

```

"

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>p2p32</Name>
      </Common>
      <ServiceType>RSVP</ServiceType>
      <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterDefType" />
        <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType" />
        <TransportActivate
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:type="RSVPLSPTType">

          <Topology>P2P</Topology>
          <PathSelectionType>CSPF</PathSelectionType>
          <LSPPProtectionType Editable="true">Path
Protection</LSPPProtectionType>
          <Advanced>
            <HopLimit Editable="true">255</HopLimit>
            <ClassofService Editable="true">0</ClassofService>
            <Bandwidth Editable="true">222</Bandwidth>
            <HoldPriority Editable="true">0</HoldPriority>
            <SetupPriority Editable="true">7</SetupPriority>
            <RetryLimit Editable="true">2</RetryLimit>
            <RetryTimer Editable="true">22</RetryTimer>
            <FastReroute Editable="true">true</FastReroute>
            <LDPTunneling Editable="true">true</LDPTunneling>
            <Standby Editable="true">false</Standby>
            <Adaptive Editable="true">false</Adaptive>
          </Advanced>
          <Autobandwidth>
            <AutoBWidth Editable="true">false</AutoBWidth>
```

```

    </Autobandwidth>
    <BFD>
      <BFDdetection>Primary Path</BFDdetection>
      <MinimumInterval Editable="true">300</MinimumInterval>
      <MiniRecieveInterval Editable="true">50</MiniRecieveInterval>

      <Multiplier Editable="true">3</Multiplier>
      <TransmitMinInterval Editable="true">50</TransmitMinInterval>

      <TransmitThreshold Editable="true" />
      <DetectionThreshold Editable="true" />
      <NoAdaption Editable="true">false</NoAdaption>
      <FailureAction Editable="true">Teardown</FailureAction>
    </BFD>
  </TransportActivate>
</ServiceDefinition>
<ServiceOrder>
  <Common>
    <Name>p2p32</Name>
  </Common>
  <LSPPattern key="196902" />
  <ServiceEndPointGroup>
    <DeviceInfo>
      <TA>
        <Source>
          <DeviceName>960R1_EN_Alok_re</DeviceName>
          <DeviceID>65565</DeviceID>
        </Source>
        <Destination>
          <DeviceName>960R2_EN_Alok_re</DeviceName>
          <DeviceID>65540</DeviceID>
        </Destination>
      </TA>
    </DeviceInfo>
    <ServiceEndPoint>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="RSVPLSPBFDEndPointParameterOrderType">
        <PrimaryPath>
          <PathName>My1</PathName>
          <SetupPriority>7</SetupPriority>
          <Adaptive>Disabled</Adaptive>

```

```

    <HoldPriority>0</HoldPriority>
    <ClassOfService>0</ClassOfService>
    <HopLimit>255</HopLimit>
    <Bandwidth>222</Bandwidth>
    <Paths>
      <Path>
        <PathName>My1</PathName>
        <IPAddress>40.1.3.2</IPAddress>
        <Connection>Strict</Connection>
      </Path>
      <Path>
        <PathName>My1</PathName>
        <IPAddress>40.3.4.1</IPAddress>
        <Connection>Strict</Connection>
      </Path>
    </Paths>
  </PrimaryPath>
  <SecondaryPath>
    <PathName>My2</PathName>
    <SetupPriority>7</SetupPriority>
    <Adaptive>Disabled</Adaptive>
    <HoldPriority>0</HoldPriority>
    <ClassOfService>0</ClassOfService>
    <HopLimit>255</HopLimit>
    <Bandwidth>222</Bandwidth>
    <StandBy>undefined</StandBy>
    <Paths>
      <Path>
        <PathName>My2</PathName>
        <IPAddress>40.1.2.2</IPAddress>
        <Connection>Loose</Connection>
      </Path>
      <Path>
        <PathName>My2</PathName>
        <IPAddress>40.2.4.2</IPAddress>
        <Connection>Loose</Connection>
      </Path>
    </Paths>
  </SecondaryPath>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>

```

```

        <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="RSVPLSPBFDCConfigParameterOrderType">
    <ClassOfService>0</ClassOfService>
    <HopLimit>255</HopLimit>
    <HoldPriority>0</HoldPriority>
    <SetupPriority>7</SetupPriority>
    <StandBy>false</StandBy>
    <Adaptive>Disabled</Adaptive>
    <RetryLimit>2</RetryLimit>
    <RetryTimer>22</RetryTimer>
    <BandWidth>222</BandWidth>
    <LDPTunneling>Enabled</LDPTunneling>
    <ProtectionSetting>
        <LSPProtectionType>Path Protection</LSPProtectionType>
        <EnableFR>Enabled</EnableFR>
    </ProtectionSetting>
    <BFD>
        <BFDdetection>Primary Path</BFDdetection>
        <MinInterval>300</MinInterval>
        <MinReceiveInterval>50</MinReceiveInterval>
        <Multiplier>3</Multiplier>
        <NoAdaption>false</NoAdaption>
        <TransmitMinInterval>50</TransmitMinInterval>
        <FailureAction>Teardown</FailureAction>
    </BFD>
    </ServiceOrderParameter>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndValidate</Action>
</CustomAction>
</Data>

```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>262206</Value>
    </Identity>
    <Job>
      <ID>753685</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
  </Status>
</Data>
```

Get All Resource Pools Available in Junos Space

This request is used to retrieve the configured resource pool details.

| | |
|----------------------------|---|
| New Parameters | "DataType ResourcePools (ResourcePoolsType)" |
| Description of the Changes | This request retrieves all the resource pools available in Junos Space. |
| URI | api/space/nsas/resource-utilization/resource-pools |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.resource-utilization.resource-pools+xml |
| Produces | Collects all the resource pool details available in Junos Space. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ResourcePools size="200">
    <ResourcePool>
      <PoolName>global-vcid-pool</PoolName>
      <PoolID>1</PoolID>
      <PoolType>Virtual Circuit</PoolType>
      <SubType>-</SubType>
      <PoolDescription>Global pool of VC-Ids</PoolDescription>
      <PoolSize>-</PoolSize>
      <Allocations size="1"/>
    </ResourcePool>
    <ResourcePool>
      <PoolName>IPv4 Resource Pool:10.0.77.0/24</PoolName>
      <PoolID>4</PoolID>
      <PoolType>IPv4 Address</PoolType>
      <SubType>Global</SubType>
      <PoolDescription>Pool of IPV4 Addresses:10.0.77.0/24,
(10.0.77.0/24)</PoolDescription>
      <ManagingElement>Global Pool</ManagingElement>
      <Allocations size="1"/>
    </ResourcePool>
    <ResourcePool>
      <PoolName>IPv4 Resource Pool:10.0.88.0/24</PoolName>
      <PoolID>7</PoolID>
      <PoolType>IPv4 Address</PoolType>
      <SubType>Global</SubType>
      <PoolDescription>Pool of IPV4 Addresses:10.0.88.0/24,
(10.0.88.0/24)</PoolDescription>
      <ManagingElement>Global Pool</ManagingElement>
      <Allocations size="1"/>
    </ResourcePool>
    <ResourcePool>
      <PoolName>IPv4 Resource Pool:10.0.99.0/24</PoolName>
      <PoolID>10</PoolID>
      <PoolType>IPv4 Address</PoolType>
      <SubType>Global</SubType>
      <PoolDescription>Pool of IPV4 Addresses:10.0.99.0/24,
(10.0.99.0/24)</PoolDescription>
      <ManagingElement>Global Pool</ManagingElement>
      <Allocations size="0"/>
    </ResourcePool>
  </ResourcePools>
</Data>

```

```

<ResourcePool>
  <PoolName>AsRTPool150</PoolName>
  <PoolID>32770</PoolID>
  <PoolType>Route Target</PoolType>
  <SubType>--</SubType>
  <PoolDescription>RT Pool for AS50</PoolDescription>
  <PoolSize>--</PoolSize>
  <Allocations size="6"/>
</ResourcePool>
<ResourcePool>
  <PoolName>AsRDPool150</PoolName>
  <PoolID>32772</PoolID>
  <PoolType>Route Distinguisher</PoolType>
  <SubType>--</SubType>
  <PoolDescription>RD Pool for AS50</PoolDescription>
  <PoolSize>--</PoolSize>
  <Allocations size="29"/>
</ResourcePool>
<ResourcePool>
  <PoolName>VLAN:ARUN4re:ge-0/0/3</PoolName>
  <PoolID>33356</PoolID>
  <PoolType>VLAN</PoolType>
  <SubType>--</SubType>
  <PoolDescription>VLAN Id Pool For Interface : ge-0/0/3 : ON Device Id :
ARUN4re</PoolDescription>
  <ManagingElement>Device (ARUN4re)</ManagingElement>
  <PoolSize>--</PoolSize>
  <Allocations size="0"/>
</ResourcePool>
<ResourcePool>
  <PoolName>Unit:ARUN4re:ge-0/0/3</PoolName>
  <PoolID>33360</PoolID>
  <PoolType>Unit</PoolType>
  <SubType>--</SubType>
  <PoolDescription>Unit Pool For Interface : ge-0/0/3 : ON Device Id :
ARUN4re</PoolDescription>
  <ManagingElement>Device (ARUN4re)</ManagingElement>
  <PoolSize>--</PoolSize>
  <Allocations size="0"/>
</ResourcePool>
<ResourcePool>
  <PoolName>VLAN:ARUN4re:ge-0/0/4</PoolName>

```

```

    <PoolID>33364</PoolID>
    <PoolType>VLAN</PoolType>
    <SubType>--</SubType>
    <PoolDescription>VLAN Id Pool For Interface : ge-0/0/4 : ON Device Id :
ARUN4re</PoolDescription>
    <ManagingElement>Device (ARUN4re)</ManagingElement>
    <PoolSize>--</PoolSize>
    <Allocations size="0"/>
</ResourcePool>
<ResourcePool>
    <PoolName>Unit:ARUN4re:ge-0/0/4</PoolName>
    <PoolID>33368</PoolID>
    <PoolType>Unit</PoolType>
    <SubType>--</SubType>
    <PoolDescription>Unit Pool For Interface : ge-0/0/4 : ON Device Id :
ARUN4re</PoolDescription>
    <ManagingElement>Device (ARUN4re)</ManagingElement>
    <PoolSize>--</PoolSize>
    <Allocations size="0"/>
</ResourcePool>
<ResourcePool>
    <PoolName>VLAN:ARUN4re:ge-0/0/5</PoolName>
    <PoolID>33372</PoolID>
    <PoolType>VLAN</PoolType>
    <SubType>--</SubType>
    <PoolDescription>VLAN Id Pool For Interface : ge-0/0/5 : ON Device Id :
ARUN4re</PoolDescription>
    <ManagingElement>Device (ARUN4re)</ManagingElement>
    <PoolSize>--</PoolSize>
    <Allocations size="1"/>
</ResourcePool>
<ResourcePool>
    <PoolName>Unit:ARUN4re:ge-0/0/5</PoolName>
    <PoolID>33376</PoolID>
    <PoolType>Unit</PoolType>
    <SubType>--</SubType>
    <PoolDescription>Unit Pool For Interface : ge-0/0/5 : ON Device Id :
ARUN4re</PoolDescription>
    <ManagingElement>Device (ARUN4re)</ManagingElement>
    <PoolSize>--</PoolSize>
    <Allocations size="1"/>
</ResourcePool>

```

```

<ResourcePool>
  <PoolName>VLAN:ARUN4re:ge-0/0/6</PoolName>
  <PoolID>33380</PoolID>
  <PoolType>VLAN</PoolType>
  <SubType>--</SubType>
  <PoolDescription>VLAN Id Pool For Interface : ge-0/0/6 : ON Device Id :
ARUN4re</PoolDescription>
  <ManagingElement>Device (ARUN4re)</ManagingElement>
  <PoolSize>--</PoolSize>
  <Allocations size="0"/>
</ResourcePool>
<ResourcePool>
  <PoolName>Unit:ARUN4re:ge-0/0/6</PoolName>
  <PoolID>33384</PoolID>
  <PoolType>Unit</PoolType>
  <SubType>--</SubType>
  <PoolDescription>Unit Pool For Interface : ge-0/0/6 : ON Device Id :
ARUN4re</PoolDescription>
  <ManagingElement>Device (ARUN4re)</ManagingElement>
  <PoolSize>--</PoolSize>
  <Allocations size="0"/>
</ResourcePool>
<ResourcePool>
  <PoolName>VLAN:ARUN4re:ge-0/0/7</PoolName>
  <PoolID>33388</PoolID>
  <PoolType>VLAN</PoolType>
  <SubType>--</SubType>
  <PoolDescription>VLAN Id Pool For Interface : ge-0/0/7 : ON Device Id :
ARUN4re</PoolDescription>
  <ManagingElement>Device (ARUN4re)</ManagingElement>
  <PoolSize>--</PoolSize>
  <Allocations size="0"/>
</ResourcePool>
<ResourcePool>
  <PoolName>Unit:ARUN4re:ge-0/0/7</PoolName>
  <PoolID>33392</PoolID>
  <PoolType>Unit</PoolType>
  <SubType>--</SubType>
  <PoolDescription>Unit Pool For Interface : ge-0/0/7 : ON Device Id :
ARUN4re</PoolDescription>
  <ManagingElement>Device (ARUN4re)</ManagingElement>
  <PoolSize>--</PoolSize>

```

```

    <Allocations size="0"/>
  </ResourcePool>
  <ResourcePool>
    <PoolName>VLAN:ARUN4re:ge-0/0/8</PoolName>
    <PoolID>33396</PoolID>
    <PoolType>VLAN</PoolType>
    <SubType>--</SubType>
    <PoolDescription>VLAN Id Pool For Interface : ge-0/0/8 : ON Device Id :
ARUN4re</PoolDescription>
    <ManagingElement>Device (ARUN4re)</ManagingElement>
    <PoolSize>--</PoolSize>
    <Allocations size="0"/>
  </ResourcePool>
  <ResourcePool>
    <PoolName>Unit:ARUN4re:ge-0/0/8</PoolName>
    <PoolID>33400</PoolID>
    <PoolType>Unit</PoolType>
    <SubType>--</SubType>
    <PoolDescription>Unit Pool For Interface : ge-0/0/8 : ON Device Id :
ARUN4re</PoolDescription>
    <ManagingElement>Device (ARUN4re)</ManagingElement>
    <PoolSize>--</PoolSize>
    <Allocations size="0"/>
  </ResourcePool>
  <ResourcePool>
    <PoolName>VLAN:ARUN4re:ge-0/0/9</PoolName>
    <PoolID>33404</PoolID>
    <PoolType>VLAN</PoolType>
    <SubType>--</SubType>
    <PoolDescription>VLAN Id Pool For Interface : ge-0/0/9 : ON Device Id :
ARUN4re</PoolDescription>
    <ManagingElement>Device (ARUN4re)</ManagingElement>
    <PoolSize>--</PoolSize>
    <Allocations size="0"/>
  </ResourcePool>
  <ResourcePool>
    <PoolName>Unit:ARUN4re:ge-0/0/9</PoolName>
    <PoolID>33408</PoolID>
    <PoolType>Unit</PoolType>
    <SubType>--</SubType>
    <PoolDescription>Unit Pool For Interface : ge-0/0/9 : ON Device Id :
ARUN4re</PoolDescription>

```

```

    <ManagingElement>Device (ARUN4re)</ManagingElement>
    <PoolSize>--</PoolSize>
    <Allocations size="0"/>
  </ResourcePool>
  <ResourcePool>
    <PoolName>VLAN:ARUN4re:lt-0/0/10</PoolName>
    <PoolID>33412</PoolID>
    <PoolType>VLAN</PoolType>
    <SubType>--</SubType>
    <PoolDescription>VLAN Id Pool For Interface : lt-0/0/10 : ON Device Id :
ARUN4re</PoolDescription>
    <ManagingElement>Device (ARUN4re)</ManagingElement>
    <PoolSize>--</PoolSize>
    <Allocations size="0"/>
  </ResourcePool>
  <ResourcePool>
    <PoolName>Unit:ARUN4re:lt-0/0/10</PoolName>
    <PoolID>33416</PoolID>
    <PoolType>Unit</PoolType>
    <SubType>--</SubType>
    <PoolDescription>Unit Pool For Interface : lt-0/0/10 : ON Device Id :
ARUN4re</PoolDescription>
    <ManagingElement>Device (ARUN4re)</ManagingElement>
    <PoolSize>--</PoolSize>
    <Allocations size="1"/>
  </ResourcePool>
  <ResourcePool>
    <PoolName>VLAN:ARUN4re:ge-0/1/0</PoolName>
    <PoolID>33420</PoolID>
    <PoolType>VLAN</PoolType>
    <SubType>--</SubType>
    <PoolDescription>VLAN Id Pool For Interface : ge-0/1/0 : ON Device Id :
ARUN4re</PoolDescription>
    <ManagingElement>Device (ARUN4re)</ManagingElement>
    <PoolSize>--</PoolSize>
    <Allocations size="0"/>
  </ResourcePool>
  <ResourcePool>
    <PoolName>Unit:ARUN4re:ge-0/1/0</PoolName>
    <PoolID>33424</PoolID>
    <PoolType>Unit</PoolType>
    <SubType>--</SubType>

```

```

    <PoolDescription>Unit Pool For Interface : ge-0/1/0 : ON Device Id :
ARUN4re</PoolDescription>
    <ManagingElement>Device (ARUN4re)</ManagingElement>
    <PoolSize>--</PoolSize>
    <Allocations size="0"/>
</ResourcePool>
<ResourcePool>
    <PoolName>VLAN:ARUN4re:ge-0/1/1</PoolName>
    <PoolID>33428</PoolID>
    <PoolType>VLAN</PoolType>
    <SubType>--</SubType>
    <PoolDescription>VLAN Id Pool For Interface : ge-0/1/1 : ON Device Id :
ARUN4re</PoolDescription>
    <ManagingElement>Device (ARUN4re)</ManagingElement>
    <PoolSize>--</PoolSize>
    <Allocations size="0"/>
</ResourcePool>
</ResourcePools>
</Data>

```

Get Allocated Resources for a Pool By Pool ID

This request is used to retrieve all the allocated resources for a particular pool.

| | |
|----------------------------|---|
| New Parameters | "DataType ResourcePools (ResourcePoolsType)" |
| Description of the Changes | This request fetches allocated resources for the pool requested. For UNIT and VLAN, if the resources are allocated from this Space, the Service details to which the resource is allocated is also displayed. |
| URI | api/space/nsas/resource-utilization/resource-pools /pool-id |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.resource- utilization.resource-pools+xml |
| Produces | Collects all the allocated resources for a particular pool. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ResourcePools>
    <ResourcePool>
      <PoolName>Unit:ARUN2re:ge-0/0/4</PoolName>
      <PoolID>33482</PoolID>
      <PoolType>Unit</PoolType>
      <PoolDescription>Unit Pool For Interface : ge-0/0/4 : ON Device Id :
ARUN2re</PoolDescription>
      <ManagingElement>Device (ARUN2re)</ManagingElement>
      <Allocations size="1">
        <Allocated>
          <Value>78</Value>
          <METype>Interface</METype>
          <Description>Allocated([Service : HSRDTEST, Interface :
ge-0/0/4.78])</Description>
        </Allocated>
      </Allocations>
    </ResourcePool>
  </ResourcePools>
</Data>
```

Get Job Details By Job ID

This request is used to obtain the details of a specific job, based on its unique identifier.

| | |
|----------------------------|---|
| New Parameters | "getJobDetailsForRequest" |
| Description of the Changes | This API is to display the job details as a device view. Previously, the job summary was shown when you double-clicked the link in a job ID. With this new REST API call, job details are filtered on the basis of each device. |
| HTTP Method | GET |
| GET | /api/space/nsas/elan-vpls/service-management/service-orders/jobId |
| Consumes | application/vnd.net.juniper.space.service-management.service-orders+json;version=2 |

| | |
|----------------------|--|
| Produces | Retrieves the details of a particular job. |
| Mandatory Parameters | jobID |

Output

Sample JSONOutput

```
{
  "Data": {
    "JobDetailsType": {
      "jobDetailType": [
        {
          "nodeName": "960R1_EN_Alok_re",
          "statusMessage": "Endpoint cannot be provisioned since validation failed for other devices.",
          "jobStatus": "INVALID",
          "serviceName": "Test2Devices"
        },
        {
          "nodeName": "960R2_EN_Alok_re",
          "statusMessage": "Validation Error on Device:<b>[960R2_EN_Alok_re]</b>\n{Interface ge-0/0/4 has existing encapsulation <br>flexible-ethernet-services <br>new illegal encapsulation <br>ethernet-vpls= , Physical Encap flexible-ethernet-services cannot be overridden by ethernet-vpls= , Cannot change interface encapsulation <br><br>flexible-ethernet-services <br>to ethernet-vpls= }\n",
          "jobStatus": "INVALID",
          "serviceName": "Test2Devices"
        }
      ]
    }
  }
}
```

Get All Basic Services

This request is used to retrieve details of all the configured basic services..

| | |
|----------------|-------------------------------|
| New Parameters | api/space/nsas/basic-services |
|----------------|-------------------------------|

| | |
|----------------------------|--|
| Description of the Changes | This API call is used to retrieve all the services. |
| URI | api/space/nsas/basic-services |
| HTTP Method | GET |
| Consumes | application/vnd.juniper.api.space.nsas.basic-services+xml;version=2 |
| Content Type | application/vnd.juniper.api.space.nsas.basic-services+json;version=2 |
| Produces | Retrieves all the basic services. |

Output

Sample XML Output

```
<basic-services total="Integer" uri="/api/space/nsas/basic-services">
  <basic-service href="/api/space/nsas/basic-services/{service-id}"
uri="/api/space/nsas/basic-services/{service-id}">
    <customer-name>String</customer-name>
    <fault-status>String</fault-status>
    <definition>String</definition>
    <status>String</status>
    <state>String</state>
    <ext-ref>String</ext-ref>
    <monitoring-id>String</monitoring-id>
    <type-of-request>String</type-of-request>
    <topo-type>POINT2POINT</topo-type>
    <_policy-name>String</_policy-name>
    <description>String</description>
    <overall-status>String</overall-status>
    <service-id>Integer</service-id>
    <signaling>String</signaling>
    <activation-date>String</activation-date>
    <service-type>String</service-type>
    <sla-status>String</sla-status>
    <customer-id>String</customer-id>
    <name>String</name>
    <last-modified-date>String</last-modified-date>
    <definition-id>String</definition-id>
```

```
        <pm-status>String</pm-status>
    </basic-service>
</basic-services>
```

Perform an MPLS Ping for E-Line, IP, and E-LAN Services

This request is used to perform an MPLS ping operation for E-Line, IP, and E-LAN services.

| | |
|----------------------------|---|
| New Parameters | /api/space/nsas/perform-mpls-ping |
| Description of the Changes | This API is used to perform an MPLS ping process. |
| URI | /api/space/nsas/perform-mpls-ping |
| HTTP Method | POST |
| Consumes | application/vnd.juniper.api.space.nsas.perform-mpls-ping-response+xml;version=2 application/vnd.juniper.api.space.nsas.perform-mpls-ping-response+json;version=2" |
| Content Type | application/vnd.juniper.api.space.nsas.perform-mpls-ping-request+xml;version=2;charset=UTF-8 application/vnd.juniper.api.space.nsas.perform-mpls-ping-request+json;version=2;charset=UTF-8 |
| Produces | Performs an MPLS ping operation for E-Line, IP, and E-LAN services. |

Input

Sample XML Input

```
<perform-mpls-ping-request>
    <reply-format>String</reply-format>
    <forwarding-class>Integer</forwarding-class>
    <ping-size>Integer</ping-size>
```

```
<reply-mode>String</reply-mode>
<destination-device-name>String</destination-device-name>
<ping-count>Integer</ping-count>
<src-device-name>String</src-device-name>
<sweep>Boolean</sweep>
<service-name>String</service-name>
</perform-mpls-ping-request>
```

Output

Sample XML Output

```
<perform-mpls-ping-response uri="/api/space/nsas/perform-mpls-ping">
  <error-message>String</error-message>
  <reply-format>String</reply-format>
  <domain-id>Integer</domain-id>
  <reply-status>OK</reply-status>
  <domain-name>String</domain-name>
  <service-type>String</service-type>
  <ping-reply>String</ping-reply>
  <service-name>String</service-name>
</perform-mpls-ping-response>
```

Perform an MPLS Ping for LSPs

This request is used to perform an MPLS ping operation for LSPs.

| | |
|----------------------------|--|
| New Parameters | /api/space/nsas/tunnels/perform-mpls-ping |
| Description of the Changes | This API is used to perform an MPLS ping process. |
| URI | /api/space/nsas/tunnels/perform-mpls-ping |
| HTTP Method | POST |
| Consumes | application/vnd.juniper.api.space.nsas.perform-mpls-ping-response+xml;version=2 application/vnd.juniper.api.space.nsas.perform-mpls-ping-response+json;version=2" |

| | |
|--------------|---|
| Content Type | application/vnd.juniper.api.space.nsas.perform-mpls-ping-request+xml;version=2;charset=UTF-8 application/vnd.juniper.api.space.nsas.perform-mpls-ping-request+json;version=2;charset=UTF-8 |
| Produces | Performs an MPLS ping operation for LSPs. |

Input

Sample XML Input

```
<perform-mpls-ping-request>
  <reply-format>String</reply-format>
  <forwarding-class>Integer</forwarding-class>
  <ping-size>Integer</ping-size>
  <reply-mode>String</reply-mode>
  <destination-device-name>String</destination-device-name>
  <ping-count>Integer</ping-count>
  <src-device-name>String</src-device-name>
  <sweep>Boolean</sweep>
  <service-name>String</service-name>
</perform-mpls-ping-request>
```

Output

Sample XML Output

```
<perform-mpls-ping-response uri="/api/space/nsas/tunnels/perform-mpls-ping">

  <error-message>String</error-message>
  <reply-format>String</reply-format>
  <domain-id>Integer</domain-id>
  <reply-status>OK</reply-status>
  <domain-name>String</domain-name>
  <service-type>String</service-type>
  <ping-reply>String</ping-reply>
  <service-name>String</service-name>
</perform-mpls-ping-response>
```

Get All Prestaged Devices

This request is used to retrieve a list of prestaged devices.

| | |
|----------------------------|---|
| New Parameters | api/space/nsas/pre-stage-devices |
| Description of the Changes | This API is used to retrieve a list of prestaged devices. |
| URI | api/space/nsas/pre-stage-devices |
| HTTP Method | GET |
| Consumes | application/vnd.juniper.api.space.nsas.pre-stage-devices+xml;version=2 application/vnd.juniper.api.space.nsas.pre-stage-devices+json;version=2 |
| Produces | Retrieves a list of prestaged devices. |

Output

Sample XML Output

```
<pre-stage-devices total="Integer" uri="/api/space/nsas/pre-stage-devices">

  <pre-stage-device href="/api/space/nsas/pre-stage-devices/{id}" uri="/api/space/nsas/pre-stage-devices/{id}">
    <ser-role>L3_READY</ser-role>

    <loopback-interface-ip-address>String</loopback-interface-ip-address>
      <device-family>String</device-family>
      <management-ip-address>String</management-ip-address>
      <id>Integer</id>
      <device-name>String</device-name>
      <role>N_PE</role>
      <me-id>Integer</me-id>
      <loopback-interface-name>String</loopback-interface-name>
    </pre-stage-device>
  </pre-stage-devices>
```

Unassign Roles of Devices

This request is used to unassign the role of devices passed as a parameter. Multiple device IDs are concatenated with a | (pipe) character.

| | |
|----------------------------|--|
| New Parameters | api/space/nsas//pe-unassign-role?data=<deviceids> |
| Description of the Changes | This API is used to unassign the role of a specific device. |
| URI | api/space/nsas//pe-unassign-role?data=<deviceids> |
| HTTP Method | POST |
| Consumes | application/vnd.juniper.api.space.nsas.pe-unassign-roles+xml;version=2 application/vnd.juniper.api.space.nsas.pe-unassign-roles+json;version=2" |
| Produces | Unassigns the roles of devices. |

Output

Sample XML Output

```
"
<pe-unassign-roles total="Integer" uri="/api/space/nsas/pe-unassign-role">

  <prestige-unassign-role-status>
    <message>String</message>
    <device-name>String</device-name>
    <ret-val>String</ret-val>
    <device-id>String</device-id>
  </prestige-unassign-role-status>
</pe-unassign-roles>"
```

Clear Interface Statistics

This request is used to clear the statistical information collected for the interfaces.

| | |
|----------------------------|---|
| New Parameters | api/space/nsas/clear-interface-statistics |
| Description of the Changes | This API clears interface statistics of an interface. |

| | |
|--------------|---|
| URI | api/space/nsas/clear-interface-statistics |
| HTTP Method | POST |
| Consumes | application/vnd.juniper.api.space.nsas.clear-interface-statistics-response+xml;version=2 application/vnd.juniper.api.space.nsas.clear-interface-statistics-response+json;version=2 |
| Content Type | application/vnd.juniper.api.space.nsas.clear-interface-statistics-request+xml;version=2;charset=UTF-8 application/vnd.juniper.api.space.nsas.clear-interface-statistics-request+json;version=2;charset=UTF-8 |
| Produces | Clears the statistics of interfaces. |

Input

Sample XML Input

```
<clear-interface-statistics-request>
  <reply-format>String</reply-format>
  <clear-device>Boolean</clear-device>
  <device-details>
    <device-details>
      <device-name>String</device-name>
      <interfaces total="Integer">
        <interface>String</interface>
      </interfaces>
      <device-id>String</device-id>
    </device-details>
  </device-details>
  <service-name>String</service-name>
</clear-interface-statistics-request>
```

Output

Sample XML Output

```
<clear-interface-statistics-response
uri="/api/space/nsas/clear-interface-statistics">
  <error-message>String</error-message>
  <reply-format>String</reply-format>
  <interface-name>String</interface-name>
  <domain-id>Integer</domain-id>
  <reply-status>OK</reply-status>
  <domain-name>String</domain-name>
  <service-type>String</service-type>
  <service-name>String</service-name>
</clear-interface-statistics-response>
```

Delete a Service in Deployment Pending Status by Service ID

This request is used to delete a particular service in deployment-pending status.

| | |
|----------------------------|--|
| New Parameters | <p>For E-Line: /api/space/nsas/eline-ptp/service-management/services/deploymentpending/{service-id}</p> <p>For IP: /api/space/nsas/l3vpn/service-management/service-orders/{service-id}</p> <p>For E-LAN: /api/space/nsas/elan-vpls/service-management/service-orders/{service-id}</p> <p>For LSP: /api/space/nsas/rsvp-lsp/service-management/service-orders/{service-id}</p> |
| Description of the Changes | This API is used to delete a particular service in deployment-pending status |
| URI | <p>For E-Line: /api/space/nsas/eline-ptp/service-management/services/deploymentpending/{service-id}</p> <p>For IP: /api/space/nsas/l3vpn/service-management/service-orders/{service-id}</p> <p>For E-LAN: /api/space/nsas/elan-vpls/service-management/service-orders/{service-id}</p> <p>For LSP: /api/space/nsas/rsvp-lsp/service-management/service-orders/{service-id}</p> |
| HTTP Method | DELETE |

| | |
|----------|---|
| Consumes | application/vnd.net.juniper.space.service-management.services+xml |
| Produces | Deletes a particular service in deployment-pending status. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>3703360</Value>
    </Identity>
    <Code>200</Code>
    <Message>Successfully deleted deploymentpending service and
orders</Message>
  </Status>
</Data>
```

2

PART

Connectivity Services Director REST API Objects

RESTful Web Services | 150

RESTful Web Services

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Customer Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director Customer Management RESTful Web Services.

Get All Customers (Version 1)

This request is used to collect all the customer details in version 1 format, which denote the end-users associated with different services configured, provisioned, and administered using the Connectivity Services Director application.

| | |
|-------------|---|
| URI | api/space/nsas/customer-management/customers |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.customer-management.customers+xml |
| Produces | Collects the set of configured customers |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Customers size="3">
    <Customer href="/api/space/nsas/customer-management/customers/327680"
uri="/api/space/nsas/customer-management/customers/327680" key="327680">
      <Common>
        <Name>Customer_001</Name>
        <Identity>327680</Identity>
        <CreatedDate>2012-06-28T15:17:56.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-06-28T15:17:56.000+05:30</LastUpdatedDate>
      </Common>
      <AccountNo>40132324001</AccountNo>
      <ContactName>customer001</ContactName>
      <ContactEmail>customer001@juniper.net</ContactEmail>
    </Customer>
    <Customer href="/api/space/nsas/customer-management/customers/327681"
uri="/api/space/nsas/customer-management/customers/327681" key="327681">
      <Common>
        <Name>Customer_002</Name>
        <Identity>327681</Identity>
        <CreatedDate>2012-06-28T15:18:20.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-06-28T15:18:20.000+05:30</LastUpdatedDate>
      </Common>
```

```
<AccountNo>40132324002</AccountNo>
<ContactName>customer002</ContactName>
<ContactEmail>customer002@juniper.net</ContactEmail>
</Customer>
<Customer href="/api/space/nsas/customer-management/customers/6193152"
uri="/api/space/nsas/customer-management/customers/6193152" key="6193152">
  <Common>
    <Name>Customer_003</Name>
    <Identity>6193152</Identity>
    <CreatedDate>2012-07-27T19:46:51.000+05:30</CreatedDate>
    <LastUpdatedDate>2012-07-27T19:46:51.000+05:30</LastUpdatedDate>
  </Common>
  <AccountNo>40132324003</AccountNo>
  <ContactName>customer003</ContactName>
  <ContactEmail>customer003@juniper.net</ContactEmail>
</Customer>
</Customers>
</Data>
```

Get All Customers (Version 2)

This request is used to collect all the customer details in version 2 format, which denote the end-users associated with different services configured, provisioned, and administered using the Connectivity Services Director application.

| | |
|-------------|---|
| URI | api/space/nsas/customer-management/customers |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.customer-management.customers+xml;version=2 |
| Produces | Collects the set of configured customers |

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Customers size="3">
    <Customer href="/api/space/nsas/customer-management/customers/327680"
uri="/api/space/nsas/customer-management/customers/327680" key="327680">
      <Common>
        <CustomerName>Customer 001</CustomerName>
        <Identity>327680</Identity>
        <CreatedDate>2012-06-28T15:17:56.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-06-28T15:17:56.000+05:30</LastUpdatedDate>
      </Common>
      <AccountNo>40132324001</AccountNo>
      <ContactName>customer 001</ContactName>
      <ContactEmail>customer001@juniper.net</ContactEmail>
    </Customer>
    <Customer href="/api/space/nsas/customer-management/customers/327681"
uri="/api/space/nsas/customer-management/customers/327681" key="327681">
      <Common>
        <CustomerName>Customer 002</CustomerName>
        <Identity>327681</Identity>
        <CreatedDate>2012-06-28T15:18:20.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-06-28T15:18:20.000+05:30</LastUpdatedDate>
      </Common>
      <AccountNo>40132324002</AccountNo>
      <ContactName>customer 002</ContactName>
      <ContactEmail>customer002@juniper.net</ContactEmail>
    </Customer>
    <Customer href="/api/space/nsas/customer-management/customers/6193152"
uri="/api/space/nsas/customer-management/customers/6193152" key="6193152">
      <Common>
        < CustomerName>Customer 003</CustomerName>
        <Identity>6193152</Identity>
        <CreatedDate>2012-07-27T19:46:51.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-07-27T19:46:51.000+05:30</LastUpdatedDate>
      </Common>
      <AccountNo>40132324003</AccountNo>
      <ContactName>customer 003</ContactName>
      <ContactEmail>customer003@juniper.net</ContactEmail>
    </Customer>
  </Customers>
</Data>

```

Get All Customers with Pagination

This request is used to collect all the customer details with pagination applied for easy-readability and viewing of a large volume of data.

| | |
|-------------|---|
| URI | api/space/nsas/customer-management/customers?start=3&limit=2 |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.customer-management.customers+xml |
| Produces | Collects the set of configured customers with pagination applied. |

NOTE: For service orders, you can sort with “sortedby=CreatedDate” and “sortedby=State”.

For Start and Limit attributes, you can provide integer values based on your requirement to sort and filter the API output. Sortorder can be “asc” and “desc”. The SortedBy attribute differs based on the APIs. For service orders, the SortedBy option can be “CtreatedDate”, “State”. For services, the SortedBy option can be “Name”, “LastModifiedDate”. The FilteredBy attribute differs based on the APIs. For service orders, the FilteredBy option can be “Name” and “State”. For services, the FilteredBy option can be “Name”.

If you enter “paging=(starteq 2, limit eq 3)”, which is not a single integer value, the display is according to index of records. In this case, it shows from the first indexed record to the third indexed record. If you enter “start=2&limit=3”, it starts from the second record and displays the next three records in all.

You can specify multiple key:value pairs with the FilteredBy attribute. For example, to get service orders, you can use Get ServiceOrders with Name and State as “filteredby=Name::L3VPN@@State::Invalid”. Similarly, to get service orders, you can use with Name OR state “filteredby=Name::L3VPN!! State::Invalid”.

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Customers size="3">
    <Customer href="/api/space/nsas/customer-management/customers/327680"
      uri="/api/space/nsas/customer-management/customers/327680" key="327680">
      <Common>
        <Name>Customer_001</Name>
        <Identity>327680</Identity>
        <CreatedDate>2012-06-28T15:17:56.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-06-28T15:17:56.000+05:30</LastUpdatedDate>
      </Common>
      <AccountNo>40132324001</AccountNo>
      <ContactName>customer001</ContactName>
      <ContactEmail>customer001@juniper.net</ContactEmail>
    </Customer>
    <Customer href="/api/space/nsas/customer-management/customers/327681"
      uri="/api/space/nsas/customer-management/customers/327681" key="327681">
      <Common>
        <Name>Customer_002</Name>
        <Identity>327681</Identity>
        <CreatedDate>2012-06-28T15:18:20.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-06-28T15:18:20.000+05:30</LastUpdatedDate>
      </Common>
      <AccountNo>40132324002</AccountNo>
      <ContactName>customer002</ContactName>
      <ContactEmail>customer002@juniper.net</ContactEmail>
    </Customer>
  </Customers>
</Data>
```

Get All Customers with Pagination, Search, and Filter

This request is used to collect all the customer details with paging behavior applied on the output, and with the customers sorted and segregated depending on the search criteria.

| | |
|-------------|--|
| URI | api/space/nsas/customer-management/customers? start=1&limit=2&sortorder=asc |
| HTTP Method | GET |

| | |
|----------|---|
| Consumes | application/vnd.net.juniper.space. customer-management.customers+xml;version=3 |
| Produces | Retrieves the filtered list of customers with pagination, based on the search criteria |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Customers size="2">
      <Customer key="2555905"
        uri="/api/space/nsas/customer-management/customers/2555905"
        href="/api/space/nsas/customer-management/customers/2555905">
        <Common>
          <Name>air</Name>
          <Identity>2555905</Identity>
          <CreatedDate>2014-12-05T15:34:41.000+05:30</CreatedDate>
          <LastUpdatedDate>2014-12-05T15:34:41.000+05:30</LastUpdatedDate>
        </Common>
        <AccountNo>44</AccountNo>
        <ContactName>juasdf</ContactName>
        <ContactEmail>kag@yuu.com</ContactEmail>
      </Customer>
      <Customer key="2555904"
        uri="/api/space/nsas/customer-management/customers/2555904"
        href="/api/space/nsas/customer-management/customers/2555904">
        <Common>
          <Name>Test</Name>
          <Identity>2555904</Identity>
          <CreatedDate>2014-12-05T15:33:53.000+05:30</CreatedDate>
          <LastUpdatedDate>2014-12-05T15:33:53.000+05:30</LastUpdatedDate>
        </Common>
        <AccountNo>454658</AccountNo>
        <ContactName>546827</ContactName>
        <ContactEmail>test@jag.com</ContactEmail>
      </Customer>
    </Customers>
  </Data>
```

Get Customer Details By Account Number (Version 1)

This request is used to collect the customer information based on the account number in version 1 format.

| | |
|-------------|---|
| URI | api/space/nsas/customer-management/customers?accountNo={Account-id} |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.customer-management.customers+xml |
| Produces | Retrieves the details of a customer based on the account ID. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Customers size="1">
    <Customer href="/api/space/nsas/customer-management/customers/1015808"
uri="/api/space/nsas/customer-management/customers/1015808" key="1015808">
      <Common>
        <Name>Customer_001</Name>
        <Identity>1015808</Identity>
        <CreatedDate>2012-08-13T15:09:48.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-08-13T15:09:48.000+05:30</LastUpdatedDate>
      </Common>
      <AccountNo>40132324001</AccountNo>
      <ContactName>customer001</ContactName>
      <ContactEmail>customer001@juniper.net</ContactEmail>
    </Customer>
  </Customers>
```

```
</Data>
```

Get Customer Details By Account Number (Version 2)

This request is used to collect the customer information based on the account number in version 2 format.

| | |
|-------------|---|
| URI | api/space/nsas/customer-management/ customers?accountNo={Account-id} |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.customer-management. customers+xml;version=2 |
| Produces | Retrieves the details of a customer based on the account ID. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<Customers size="1">
  <Customer href="/api/space/nsas/customer-management/customers/1015808"
uri="/api/space/nsas/customer-management/customers/1015808" key="1015808">
    <Common>
      <CustomerName>Customer 001</CustomerName>
      <Identity>1015808</Identity>
      <CreatedDate>2012-08-13T15:09:48.000+05:30</CreatedDate>
      <LastUpdatedDate>2012-08-13T15:09:48.000+05:30</LastUpdatedDate>
    </Common>
    <AccountNo>40132324001</AccountNo>
    <ContactName>customer 001</ContactName>
    <ContactEmail>customer001@juniper.net</ContactEmail>
  </Customer>
</Customers>
```

```
</Data>
```

Get Customer Details By Customer ID (Version 1)

This request is used to collect the customer information based on the unique customer ID in version 1 format.

| | |
|-------------|---|
| URI | api/space/nsas/customer-management/customers/<customerId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.customer-management.customers+xml |
| Produces | Retrieves the details of a customer based on the customer ID. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Customers>
    <Customer href="/api/space/nsas/customer-management/customers/327680"
uri="/api/space/nsas/customer-management/customers/327680" key="327680">
      <Common>
        <Name>Customer_001</Name>
        <Identity>327680</Identity>
        <CreatedDate>2012-06-28T15:17:56.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-06-28T15:17:56.000+05:30</LastUpdatedDate>
      </Common>
      <AccountNo>40132324001</AccountNo>
      <ContactName>customer001</ContactName>
      <ContactEmail>customer001@juniper.net</ContactEmail>
    </Customer>
  </Customers>
```

```
</Data>
```

Get Customer Details By Customer ID (Version 2)

This request is used to collect the customer information based on the unique customer ID in version 2 format.

| | |
|-------------|---|
| URI | api/space/nsas/customer-management/customers/<customerId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.customer-management.customers+xml;version=2 |
| Produces | Retrieves the details of a customer based on the customer ID. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Customers>
    <Customer href="/api/space/nsas/customer-management/customers/327680"
uri="/api/space/nsas/customer-management/customers/327680" key="327680">
      <Common>
        <CustomerName>Customer 001</CustomerName>
        <Identity>327680</Identity>
        <CreateDate>2012-06-28T15:17:56.000+05:30</CreateDate>
        <LastUpdatedDate>2012-06-28T15:17:56.000+05:30</LastUpdatedDate>
      </Common>
      <AccountNo>40132324001</AccountNo>
      <ContactName>customer 001</ContactName>
      <ContactEmail>customer001@juniper.net</ContactEmail>
    </Customer>
  </Customers>
```

```
</Data>
```

Create a Customer (Version 1)

This request is used to create a customer using the version 1 format.

| | |
|--------------|---|
| URI | api/space/nsas/customer-management/customers |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.customer-management.customers+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.customer-management.customers-status+xml;version=2 |
| Produces | Creates a customer that can be used to associate with the services. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Customers>
    <Customer>
      <Common>
        <Name>Customer_005</Name>
      </Common>
      <AccountNo>40132324005</AccountNo>
      <ContactName>customer005</ContactName>
      <ContactEmail>customer005@juniper.net</ContactEmail>
    </Customer>
  </Customers>
</Data>
```

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Code>200</Code>
    <Message>Customer Created Successfully.</Message>
    <Identity>
      <Type>Customer</Type>
      <Value>6488064</Value>
    </Identity>
  </Status>
</Data>
```

Create a Customer (Version 2)

This request is used to create a customer using the version 2 format.

| | |
|--------------|---|
| URI | api/space/nsas/customer-management/customers |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.customer-management.customers+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.customer-management.customers-status+xml;version=2 |
| Produces | Creates a customer that can be used to associate with the services. |

Input

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<Customers>
  <Customer>
    <Common>
      <CustomerName>Customer 005</CustomerName>
    </Common>
    <AccountNo>40132324005</AccountNo>
    <ContactName>customer 005</ContactName>
    <ContactEmail>customer005@juniper.net</ContactEmail>
  </Customer>
</Customers>
</Data>

```

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Code>200</Code>
    <Message>Customer Created Successfully.</Message>
  <Identity>
    <Type>Customer</Type>
    <Value>6488064</Value>
  </Identity>
</Status>
</Data>

```

Modify a Customer (Version 1)

This request is used to edit the attributes of a customer in version 1 format.

| | |
|-------------|---|
| URI | api/space/nsas/customer-management/ customers/<customerId> |
| HTTP Method | PUT |
| Consumes | application/vnd.net.juniper.space.customer-management. customers+xml |
| Produces | Modify the details of the specified customer. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Customers>
    <Customer>
      <Common>
        <Name>Customer_005</Name>
        <Identity>6488064</Identity>
      </Common>
      <AccountNo>40132324005</AccountNo>
      <ContactName>customer005_mod</ContactName>
      <ContactEmail>customer005_mod@juniper.net</ContactEmail>
      <ContactInfo>customerInfo_mod</ContactInfo>
    </Customer>
  </Customers>
</Data>
```

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
```

```
<Code>200</Code>
<Message>Customer Modified Successfully.</Message>
<Identity>
  <Type>Customer</Type>
  <Value>3768322<</Value>
</Identity>
</Status>
</Data>
```

Modify a Customer (Version 2)

This request is used to edit the attributes of a customer in version 2 format.

| | |
|-------------|---|
| URI | api/space/nsas/customer-management/ customers/<customerId> |
| HTTP Method | PUT |
| Consumes | application/vnd.net.juniper.space.customer-management. customers+xml;version=2 |
| Produces | Modify the details of the specified customer. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Customers>
    <Customer>
      <Common>
        <CustomerName>Customer 005</CustomerName>
        <Identity>6488064</Identity>
      </Common>
      <AccountNo>40132324005</AccountNo>
      <ContactName>customer005 mod</ContactName>
      <ContactEmail>customer005_mod@juniper.net</ContactEmail>
    </Customer>
  </Customers>
</Data>
```

```
<ContactInfo>customerInfo_mod</ContactInfo>
</Customer>
</Customers>
</Data>
```

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Code>200</Code>
    <Message>Customer Modified Successfully.</Message>
    <Identity>
      <Type>Customer</Type>
      <Value>3768322<</Value>
    </Identity>
  </Status>
</Data>
```

Delete a Customer

This request is used to delete an existing customer.

| | |
|--------------|---|
| URI | api/space/nsas/customer-management/ customers/<customerId> |
| HTTP Method | DELETE |
| Content-Type | application/vnd.net.juniper.space.customer-management. customers+xml |
| Consumes | application/vnd.net.juniper.space.customer-management. customer-status+xml |

| | |
|----------|---|
| Produces | Deletes the specified customer from the application database. |
|----------|---|

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Code>200</Code>
    <Message>Customer Deleted Successfully.</Message>
    <Identity>
      <Type>Customer</Type>
      <Value>6488064</Value>
    </Identity>
  </Status>
</Data>
```

Bulk Creation of Customers (Version 1)

This request is used to perform a bulk creation of several customers using the version 1 format.

| | |
|--------------|---|
| URI | api/space/nsas/customer-management/customers |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.customer-management.customers+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.customer-management.customers-status+xml |
| Produces | Creates a set of customers in a bulk operation. |

Input

Sample XML Input

```

    <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Customers>
    <Customer>
    <Common>
    <Name>Customer1</Name>
    </Common>
    <AccountNo>40000001</AccountNo>
    <ContactName>Customer1</ContactName>
    <ContactEmail>Customer1@juniper.net</ContactEmail>
    </Customer>
    <Common>
    <Name>Customer2</Name>
    </Common>
    <AccountNo>40000002</AccountNo>
    <ContactName>Customer2</ContactName>
    <ContactEmail>Customer2@juniper.net</ContactEmail>
    </Customer>
    <Customer>
    <Common>
    <Name>Customer3</Name>
    </Common>
    <AccountNo>40000003</AccountNo>
    <ContactName>Customer3</ContactName>
    <ContactEmail>Customer3@juniper.net</ContactEmail>
    </Customer>
    </Customers>
    </Data>
    </Customer>

```

Output

Sample XML Output

```

<Data>
<Status>
<Identity>
<Type>Customer</Type>
<Value>959528</Value>

```

```
</Identity>
<Code>200</Code>
<Message>Customer Created Successfully.</Message>
</Status>
<Status>
<Identity>
<Type>Customer</Type>
<Value>959529</Value>
</Identity>
<Code>200</Code>
<Message>Customer Created Successfully.</Message>
</Status>
<Status>
<Identity>
<Type>Customer</Type>
<Value>959530</Value>
</Identity>
<Code>200</Code>
<Message>Customer Created Successfully.</Message>
</Status>
</Data>
```

Bulk Creation of Customers (Version 2)

This request is used to perform a bulk creation of a set of customers using the version 2 format.

| | |
|--------------|--|
| URI | api/space/nsas/customer-management/customers |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.customer-management.customers+xml;version=2; charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.customer-management.customers-status+xml;version=2 |
| Produces | Creates a set of customers in a bulk operation. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Customers>
    <Customer>
      <Common>
        <CustomerName>Customer 006</CustomerName>
      </Common>
      <AccountNo>40132324006</AccountNo>
      <ContactName>customer006</ContactName>
      <ContactEmail>customer006@juniper.net</ContactEmail>
    </Customer>
    <Customer>
      <Common>
        <CustomerName>Customer 007</CustomerName>
      </Common>
      <AccountNo>40132324007</AccountNo>
      <ContactName>customer007</ContactName>
      <ContactEmail>customer007@juniper.net</ContactEmail>
    </Customer>
    <Customer>
      <Common>
        <CustomerName>Customer 008</CustomerName>
      </Common>
      <AccountNo>40132324008</AccountNo>
      <ContactName>customer 008</ContactName>
      <ContactEmail>customer008@juniper.net</ContactEmail>
    </Customer>
  </Customers>
</Data>
```

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Customer</Type>
```

```

    <Value>5177351</Value>
  </Identity>
  <Code>200</Code>
  <Message>Customer Created Successfully.</Message>
</Status>
<Status>
  <Identity>
    <Type>Customer</Type>
    <Value>5177352</Value>
  </Identity>
  <Code>200</Code>
  <Message>Customer Created Successfully.</Message>
</Status>
<Status>
  <Identity>
    <Type>Customer</Type>
    <Value>5177353</Value>
  </Identity>
  <Code>200</Code>
  <Message>Customer Created Successfully.</Message>
</Status>
</Data>
```

Bulk Edit of Customers (Version 1)

This request is used to perform a wholesale, bulk modification of the attributes of customers in version 1 format.

| | |
|--------------|--|
| URI | api/space/nsas/customer-management/customers/ |
| HTTP Method | PUT |
| Content-Type | application/vnd.net.juniper.space.customer-management.customers+xml |
| Consumes | application/vnd.net.juniper.space.customer-management.customers-status+xml |

Produces

Modify the details of several customers in a single, one-step operation.

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Customers>
    <Customer>
      <Common>
        <Name>Customer1</Name>
        <Identity>959528</Identity>
      </Common>
      <AccountNo>40000001</AccountNo>
      <ContactName>Customer1_mod</ContactName>
      <ContactEmail>Customer1_mod@juniper.net</ContactEmail>
    </Customer>
    <Customer>
      <Common>
        <Name>Customer2</Name>
        <Identity>959529</Identity>
      </Common>
      <AccountNo>40000002</AccountNo>
      <ContactName>Customer2_mod</ContactName>
      <ContactEmail>Customer2_mod@juniper.net</ContactEmail>
    </Customer>
    <Customer>
      <Common>
        <Name>Customer3</Name>
        <Identity>959530</Identity>
      </Common>
      <AccountNo>40000003</AccountNo>
      <ContactName>Customer3_mod</ContactName>
      <ContactEmail>Customer3_mod@juniper.net</ContactEmail>
    </Customer>
  </Customers>
</Data>
```

Output

Sample XML Output

```
<Data>
<Status>
<Identity>
<Type>Customer</Type>
<Value>959528</Value>
</Identity>
<Code>200</Code>
<Message>Customer Modified Successfully.</Message>
</Status>
<Status>
<Identity>
<Type>Customer</Type>
<Value>959529</Value>
</Identity>
<Code>200</Code>
<Message>Customer Modified Successfully.</Message>
</Status>
<Status>
<Identity>
<Type>Customer</Type>
<Value>959530</Value>
</Identity>
<Code>200</Code>
<Message>Customer Modified Successfully.</Message>
</Status>
</Data>
```

Bulk Edit of Customers (Version 2)

This request is used to perform a wholesale, bulk modification of the attributes of customers in version 2 format.

| | |
|--------------|---|
| URI | api/space/nsas/customer-management/customers/ |
| HTTP Method | PUT |
| Content-Type | application/vnd.net.juniper.space.customer-management.customers+xml;version=2 |

| | |
|----------|--|
| Consumes | application/vnd.net.juniper.space.customer-management.customers-status+xml |
| Produces | Modify the details of the customers in a bulk operation. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Customers>
    <Customer>
      <Common>
        <CustomerName>Customer 01</CustomerName>
        <Identity>959528</Identity>
      </Common>
      <AccountNo>40000001</AccountNo>
      <ContactName>Customer 1_mod</ContactName>
      <ContactEmail>Customer1_mod@juniper.net</ContactEmail>
    </Customer>
    <Customer>
      <Common>
        <CustomerName>Customer 2</CustomerName>
        <Identity>959529</Identity>
      </Common>
      <AccountNo>40000002</AccountNo>
      <ContactName>Customer 2_mod</ContactName>
      <ContactEmail>Customer2_mod@juniper.net</ContactEmail>
    </Customer>
    <Customer>
      <Common>
        <CustomerName>Customer 3</CustomerName>
        <Identity>959530</Identity>
      </Common>
      <AccountNo>40000003</AccountNo>
      <ContactName>Customer 3_mod</ContactName>
      <ContactEmail>Customer3_mod@juniper.net</ContactEmail>
    </Customer>
  </Customers>
</Data>
```

Output

Sample XML Output

```
<Data>
  <Status>
    <Identity>
      <Type>Customer</Type>
      <Value>959528</Value>
    </Identity>
    <Code>200</Code>
    <Message>Customer Modified Successfully.</Message>
  </Status>
  <Status>
    <Identity>
      <Type>Customer</Type>
      <Value>959529</Value>
    </Identity>
    <Code>200</Code>
    <Message>Customer Modified Successfully.</Message>
  </Status>
  <Status>
    <Identity>
      <Type>Customer</Type>
      <Value>959530</Value>
    </Identity>
    <Code>200</Code>
    <Message>Customer Modified Successfully.</Message>
  </Status>
</Data>
```

Bulk Deletion of Customers

This request is used to perform a bulk deletion of existing customers.

| | |
|-------------|---|
| URI | api/space/nsas/customer-management/customers/ |
| HTTP Method | DELETE |

| | |
|--------------|--|
| Content-Type | application/vnd.net.juniper.space.customer-management.customers+xml |
| Consumes | application/vnd.net.juniper.space.customer-management.customers-status+xml |
| Produces | Deletes the customers from the application database in a bulk operation. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Identity>
    <Type>Customer</Type>
    <Value>959528</Value>
  </Identity>
  <Identity>
    <Type>Customer</Type>
    <Value>959529</Value>
  </Identity>
  <Identity>
    <Type>Customer</Type>
    <Value>959530</Value>
  </Identity>
</Data>
```

Output

Sample XML Output

```
<Data>
  <Status>
    <Identity>
      <Type>Customer</Type>
      <Value>959528</Value>
    </Identity>
    <Code>200</Code>
    <Message>Customer Deleted Successfully.</Message>
```

```
</Status>
<Status>
<Identity>
<Type>Customer</Type>
<Value>959529</Value>
</Identity>
<Code>200</Code>
<Message>Customer Deleted Successfully.</Message>
</Status>
<Status>
<Identity>
<Type>Customer</Type>
<Value>959530</Value>
</Identity>
<Code>200</Code>
<Message>Customer Deleted Successfully.</Message>
</Status>
</Data>
```

Provider Edge Device Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director Provider Edge (PE) Devices Management RESTful Web Services.

Get All PE Devices

This request is used to collect all the PE devices.

| | |
|-------------|---|
| URI | api/space/nsas/device-roles/pe-devices |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.device-roles.pe-devices+xml |
| Produces | Retrieves all the PE devices that are managed and provisioned by the application. |

Output

Sample XML Output

```
<Data>
<Devices size="11">
  <Device href="/api/space/nsas/device-roles/pe-devices/1179927"
uri="/api/space/nsas/device-roles/pe-devices/1179927" key="1179927">
    <Common>
      <Name>junos-m10-1-space</Name>
      <Identity>1179927</Identity>
    </Common>
    <Role>N_PE</Role>
    <MEId>368542</MEId>
  </Device>
  <Device href="/api/space/nsas/device-roles/pe-devices/1179964"
uri="/api/space/nsas/device-roles/pe-devices/1179964" key="1179964">
    <Common>
      <Name>junos-m10-2-space</Name>
      <Identity>1179964</Identity>
    </Common>
    <Role>N_PE</Role>
    <MEId>368845</MEId>
  </Device>
  <Device href="/api/space/nsas/device-roles/pe-devices/1179891"
uri="/api/space/nsas/device-roles/pe-devices/1179891" key="1179891">
    <Common>
      <Name>junos-mx240-space</Name>
      <Identity>1179891</Identity>
    </Common>
    <Role>N_PE</Role>
    <MEId>368173</MEId>
  </Device>
  <Device href="/api/space/nsas/device-roles/pe-devices/1179663"
uri="/api/space/nsas/device-roles/pe-devices/1179663" key="1179663">
    <Common>
      <Name>junos-mx480-space</Name>
      <Identity>1179663</Identity>
    </Common>
    <Role>N_PE</Role>
    <MEId>360610</MEId>
  </Device>
  <Device href="/api/space/nsas/device-roles/pe-devices/1179752">
```

```
uri="/api/space/nsas/device-roles/pe-devices/1179752" key="1179752">
  <Common>
    <Name>junos-mx80-1-space</Name>
    <Identity>1179752</Identity>
  </Common>
  <Role>N_PE</Role>
  <MEId>361763</MEId>
</Device>
<Device href="/api/space/nsas/device-roles/pe-devices/1194778"
uri="/api/space/nsas/device-roles/pe-devices/1194778" key="1194778">
  <Common>
    <Name>junos-mx80-2-space</Name>
    <Identity>1194778</Identity>
  </Common>
  <Role>N_PE</Role>
  <MEId>374403</MEId>
</Device>
</Devices>
</Data>
```

Get PE Devices By Device ID

This request is used to retrieve a PE device based on the device ID.

| | |
|-------------|---|
| URI | api/space/nsas/device-roles/pe-devices/<pe-deviceID> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.device-roles. pe-devices+xml |
| Produces | Retrieves the PE device based on the device ID. |

Output

Sample XML Output

```

<Data>
<Devices>
  <Device href="/api/space/nsas/device-roles/pe-devices/21921857"
    uri="/api/space/nsas/device-roles/pe-devices/21921857" key="21921857">
    <Common>
      <Name>exora</Name>
      <Identity>21921857</Identity>
    </Common>
    <ManagementAddress>10.216.114.114</ManagementAddress>
    <LoopBackAddress>50.1.2.3</LoopBackAddress>
    <EMSDeviceIdentifier>6455605</EMSDeviceIdentifier>
    <Role>N_PE</Role>
    <MEId>6761450</MEId>
    <Ports>
      <Port>
        <Name>at-0/2/0</Name>
        <Id>21921859</Id>
        <AdminStatus>up</AdminStatus>
        <Encapsulation>none</Encapsulation>
        <InterfaceIndex>520</InterfaceIndex>
      </Port>
      <Port>
        <Name>lt-1/2/0</Name>
        <Id>21921860</Id>
        <AdminStatus>up</AdminStatus>
        <Encapsulation>none</Encapsulation>
        <InterfaceIndex>527</InterfaceIndex>
      </Port>
      <Port>
        <Name>ge-1/3/0</Name>
        <Id>21921861</Id>
        <AdminStatus>down</AdminStatus>
        <Encapsulation>flexible-ethernet-services</Encapsulation>
        <InterfaceIndex>528</InterfaceIndex>
      </Port>
    </Ports>
    <TunnelNames>
      <RSVP>
        <LSPTunnelName>Bulk_LSP_Test01</LSPTunnelName>
      </RSVP>
      <Static>
        <LSPTunnelName>AutoMX6AutoMX4_exora_1</LSPTunnelName>
      </Static>
    </TunnelNames>
  </Device>
</Devices>

```

```
<LSPTunnelName>exora-to-jaipur</LSPTunnelName>
<LSPTunnelName>exora-to-embassy</LSPTunnelName>
<LSPTunnelName>exora-to-kochin</LSPTunnelName>
<LSPTunnelName>TestBulkLSPAudit_to_50_1_2_4</LSPTunnelName>
<LSPTunnelName>RSVP_LSP_Test01_to_30_1_2_7</LSPTunnelName>
<LSPTunnelName>Bulk_LSP_Test01_to_50_1_2_1</LSPTunnelName>
<LSPTunnelName>Test_to_50_1_2_1</LSPTunnelName>
<LSPTunnelName>Test_000_bulk_1_to_50_1_2_1</LSPTunnelName>
</Static>
<NonStatic>
<LSPTunnelName>exora-to-jaipur</LSPTunnelName>
<LSPTunnelName>exora-to-embassy</LSPTunnelName>
<LSPTunnelName>exora-to-kochin</LSPTunnelName>
<LSPTunnelName>TestBulkLSPAudit_to_50_1_2_4</LSPTunnelName>
<LSPTunnelName>RSVP_LSP_Test01_to_30_1_2_7</LSPTunnelName>
<LSPTunnelName>Bulk_LSP_Test01_to_50_1_2_1</LSPTunnelName>
<LSPTunnelName>Test_to_50_1_2_1</LSPTunnelName>
<LSPTunnelName>Test_000_bulk_1_to_50_1_2_1</LSPTunnelName>
</NonStatic>
</TunnelNames>
</Device>
</Devices>
</Data>
```

Get All Devices with Pagination, Search, and Filter

This request is used to collect all the device details with paging behavior applied on the output, and with the devices sorted and segregated depending on the search criteria.

| | |
|-------------|--|
| URI | api/space/nsas/device-roles/pe-devices?sortorder=desc&filteredby=name::space |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.device-roles.pe-devices+xml;version=2 |
| Produces | Retrieves the filtered list of devices with pagination, based on the search criteria |

NOTE: If you enter “paging=(starteq 2, limit eq 3)”, which is not a single integer value, the display is according to index of records. In this case, it shows from the first indexed record to the third indexed record. If you enter "start=2&limit=3", it starts from the second record and displays the next three records in all.

Output

Sample XML Output

```
<Data>

  <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Devices size="6">
      <Device key="557213" uri="/api/space/nsas/device-roles/pe-devices/557213"
href="/api/space/nsas/device-roles/pe-devices/557213">
        <Common>
          <Name>junos-space5</Name>
          <Identity>557213</Identity>
        </Common>
        <Role>N_PE</Role>
        <MEId>329152</MEId>
      </Device>
      <Device key="557236" uri="/api/space/nsas/device-roles/pe-devices/557236"
href="/api/space/nsas/device-roles/pe-devices/557236">
        <Common>
          <Name>junos-space3</Name>
          <Identity>557236</Identity>
        </Common>
        <Role>N_PE</Role>
        <MEId>329267</MEId>
      </Device>
      <Device key="557194" uri="/api/space/nsas/device-roles/pe-devices/557194"
href="/api/space/nsas/device-roles/pe-devices/557194">
        <Common>
          <Name>junos-spacel</Name>
          <Identity>557194</Identity>
        </Common>
        <Role>N_PE</Role>
```

```

    <MEId>328355</MEId>
  </Device>
  <Device key="557142" uri="/api/space/nsas/device-roles/pe-devices/557142"
href="/api/space/nsas/device-roles/pe-devices/557142">
    <Common>
      <Name>junos-mx80-1-space</Name>
      <Identity>557142</Identity>
    </Common>
    <Role>N_PE</Role>
    <MEId>328182</MEId>
  </Device>
  <Device key="557069" uri="/api/space/nsas/device-roles/pe-devices/557069"
href="/api/space/nsas/device-roles/pe-devices/557069">
    <Common>
      <Name>junos-mx480-space</Name>
      <Identity>557069</Identity>
    </Common>
    <Role>N_PE</Role>
    <MEId>327736</MEId>
  </Device>
  <Device key="4390916" uri="/api/space/nsas/device-roles/pe-devices/4390916"
href="/api/space/nsas/device-roles/pe-devices/4390916">
    <Common>
      <Name>junos-mx240-space</Name>
      <Identity>4390916</Identity>
    </Common>
    <Role>N_PE</Role>
    <MEId>4030920</MEId>
  </Device>
</Devices>
</Data>

```

Clear Interface Statistics

This request is used to clear the statistical information collected for the interfaces.

New Parameters

api/space/nsas/clear-interface-statistics

| | |
|----------------------------|---|
| Description of the Changes | This API clears interface statistics of an interface. |
| URI | api/space/nsas/clear-interface-statistics |
| HTTP Method | POST |
| Consumes | application/vnd.juniper.api.space.nsas.clear-interface-statistics-response+xml;version=2 application/vnd.juniper.api.space.nsas.clear-interface-statistics-response+json;version=2 |
| Content Type | application/vnd.juniper.api.space.nsas.clear-interface-statistics-request+xml;version=2;charset=UTF-8 application/vnd.juniper.api.space.nsas.clear-interface-statistics-request+json;version=2;charset=UTF-8 |
| Produces | Clears the statistics of interfaces. |

Input

Sample XML Input

```
<clear-interface-statistics-request>
  <reply-format>String</reply-format>
  <clear-device>Boolean</clear-device>
  <device-details>
    <device-details>
      <device-name>String</device-name>
      <interfaces total="Integer">
        <interface>String</interface>
      </interfaces>
      <device-id>String</device-id>
    </device-details>
  </device-details>
  <service-name>String</service-name>
</clear-interface-statistics-request>
```

Output

Sample XML Output

```
<clear-interface-statistics-response
uri="/api/space/nsas/clear-interface-statistics">
  <error-message>String</error-message>
  <reply-format>String</reply-format>
  <interface-name>String</interface-name>
  <domain-id>Integer</domain-id>
  <reply-status>OK</reply-status>
  <domain-name>String</domain-name>
  <service-type>String</service-type>
  <service-name>String</service-name>
</clear-interface-statistics-response>
```

Perform an MPLS Ping for E-Line, IP, and E-LAN Services

This request is used to perform an MPLS ping operation for E-Line, IP, and E-LAN services.

| | |
|----------------------------|---|
| New Parameters | /api/space/nsas/perform-mpls-ping |
| Description of the Changes | This API is used to perform an MPLS ping process. |
| URI | /api/space/nsas/perform-mpls-ping |
| HTTP Method | POST |
| Consumes | application/vnd.juniper.api.space.nsas.perform-mpls-ping-response+xml;version=2 application/vnd.juniper.api.space.nsas.perform-mpls-ping-response+json;version=2" |
| Content Type | application/vnd.juniper.api.space.nsas.perform-mpls-ping-request+xml;version=2;charset=UTF-8 application/vnd.juniper.api.space.nsas.perform-mpls-ping-request+json;version=2;charset=UTF-8 |
| Produces | Performs an MPLS ping operation for E-Line, IP, and E-LAN services. |

Input

Sample XML Input

```
<perform-mpls-ping-request>
  <reply-format>String</reply-format>
  <forwarding-class>Integer</forwarding-class>
  <ping-size>Integer</ping-size>
  <reply-mode>String</reply-mode>
  <destination-device-name>String</destination-device-name>
  <ping-count>Integer</ping-count>
  <src-device-name>String</src-device-name>
  <sweep>Boolean</sweep>
  <service-name>String</service-name>
</perform-mpls-ping-request>
```

Output

Sample XML Output

```
<perform-mpls-ping-response uri="/api/space/nsas/perform-mpls-ping">
  <error-message>String</error-message>
  <reply-format>String</reply-format>
  <domain-id>Integer</domain-id>
  <reply-status>OK</reply-status>
  <domain-name>String</domain-name>
  <service-type>String</service-type>
  <ping-reply>String</ping-reply>
  <service-name>String</service-name>
</perform-mpls-ping-response>
```

Perform an MPLS Ping for LSPs

This request is used to perform an MPLS ping operation for LSPs.

| | |
|----------------------------|---|
| New Parameters | /api/space/nsas/tunnels/perform-mpls-ping |
| Description of the Changes | This API is used to perform an MPLS ping process. |
| URI | /api/space/nsas/tunnels/perform-mpls-ping |

| | |
|--------------|--|
| HTTP Method | POST |
| Consumes | <div>application/vnd.juniper.api.space.nsas.perform-mpls-ping-response+xml;version=2</div> <div>application/vnd.juniper.api.space.nsas.perform-mpls-ping-response+json;version=2"</div> |
| Content Type | <div>application/vnd.juniper.api.space.nsas.perform-mpls-ping-request+xml;version=2;charset=UTF-8</div> <div>application/vnd.juniper.api.space.nsas.perform-mpls-ping-request+json;version=2;charset=UTF-8</div> |
| Produces | Performs an MPLS ping operation for LSPs. |

Input

Sample XML Input

```
<perform-mpls-ping-request>
  <reply-format>String</reply-format>
  <forwarding-class>Integer</forwarding-class>
  <ping-size>Integer</ping-size>
  <reply-mode>String</reply-mode>
  <destination-device-name>String</destination-device-name>
  <ping-count>Integer</ping-count>
  <src-device-name>String</src-device-name>
  <sweep>Boolean</sweep>
  <service-name>String</service-name>
</perform-mpls-ping-request>
```

Output

Sample XML Output

```
<perform-mpls-ping-response uri="/api/space/nsas/tunnels/perform-mpls-ping">
  <error-message>String</error-message>
```

```
<reply-format>String</reply-format>
<domain-id>Integer</domain-id>
<reply-status>OK</reply-status>
<domain-name>String</domain-name>
<service-type>String</service-type>
<ping-reply>String</ping-reply>
<service-name>String</service-name>
</perform-mpls-ping-response>"
```

Get All Saved Configlets for a Device

This request is used to retrieve all the saved configlets for a particular device selected in Device view.

| | |
|-------------|---|
| URI | /api/space/configuration-management/cli-configlets-saved/<device-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.configuration-management.cli-configlets+xml;version=3 |
| Produces | Retrieves all the saved configlets for a particular device selected in Device view. |

Input

Sample XML Input

```
/api/space/configuration-management/cli-configlets-saved/for-device/45321
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8"?>
<cli-configlets-saved total="1" size="1"
```

```
uri="/api/space/configuration-management/cli-configlets-saved/for-device/45321">
```

```
<cli-configlet-saved key="327684">
  <name>sample_phy</name>
  <category>check</category>
  <reference-number>12</reference-number>
  <device-family>EX</device-family>
  <latestVersion>1.1</latestVersion>
  <last-modified-by>super</last-modified-by>
  <creation-time>Apr 9, 2013 3:39:28 PM</creation-time>
  <last-updated-time>Apr 9, 2013 6:35:23 PM</last-updated-time>
  <description>physical interface desc</description>
  <device-name>ARE1e</device-name>
  <interface-name>ge-1/0/0</interface-name>
  <validation-status-id>34562</validation-status-id>
  <export-job-status-id>45678</export-job-status-id>
</cli-configlet-saved>
<cli-configlet-saved key="327684">
  <name>sample_phy_1</name>
  <category>check</category>
  <reference-number>12</reference-number>
  <device-family>EX</device-family>
  <latestVersion>1.1</latestVersion>
  <last-modified-by>super</last-modified-by>
  <creation-time>Apr 9, 2013 3:39:28 PM</creation-time>
  <last-updated-time>Apr 9, 2013 6:35:23 PM</last-updated-time>
  <description>physical interface desc</description>
  <device-name>ARE1e</device-name>
  <interface-name>ge-1/0/0</interface-name>
  <validation-status-id>345624</validation-status-id>
  <export-job-status-id>456378</export-job-status-id>
</cli-configlet-saved>
<cli-configlet-saved key="327684">
  <name>sample_phy_12</name>
  <category>check</category>
  <reference-number>12</reference-number>
  <device-family>EX</device-family>
  <latestVersion>1.1</latestVersion>
  <last-modified-by>super</last-modified-by>
  <creation-time>Apr 9, 2013 3:39:28 PM</creation-time>
  <last-updated-time>Apr 9, 2013 6:35:23 PM</last-updated-time>
  <description>physical interface desc</description>
```

```
<device-name>ARE1e</device-name>
<interface-name>ge-1/0/0</interface-name>
<validation-status-id>345562</validation-status-id>
<export-job-status-id>456756</export-job-status-id>
</cli-configlet-saved>
</cli-configlets-saved>
```

Get All Saved Configlets for a Template ID

This request is used to retrieve all the saved configlets for a particular template ID.

| | |
|-------------|---|
| URI | /api/space/configuration-management/cli-configlets-saved/<saved-template-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.configuration-management.cli-configlets+xml;version=3 |
| Produces | Retrieves all the saved configlets for a specific template ID. |

Input

Sample XML Input

```
/api/space/configuration-management/cli-configlets-saved/327684
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8"?>
<cli-configlets-saved total="1" size="1"
uri="/api/space/configuration-management/cli-configlets-saved/327684">
  <cli-configlet-saved key="327684">
```

```

<name>sample_phy</name>
<category>check</category>
<reference-number>l2</reference-number>
<device-family>EX</device-family>
<latestVersion>1.1</latestVersion>
<last-modified-by>super</last-modified-by>
<creation-time>Apr 9, 2013 3:39:28 PM</creation-time>
<last-updated-time>Apr 9, 2013 6:35:23 PM</last-updated-time>
<description>physical interface desc</description>
<device-name>AREle</device-name>
<interface-name>ge-1/0/0</interface-name>
<validation-status-id>34562</validation-status-id>
<export-job-status-id>45678</export-job-status-id>
<cli-configlet-saved-pages>
  <cli-configlet-saved-page key="456236">
    <id>3145735</id>
    <page-number>1</page-number>
    <content />
  </cli-configlet-saved-page>
</cli-configlet-saved-pages>
<cli-configlet-params>
  <cli-configlet-param key="3670030">
    <parameter>variable</parameter>
    <default-value />
    <display-name>result-regex[4]</display-name>
    <id>4390919</id>
    <param-order>1</param-order>
    <param-type>READWRITE</param-type>
    <parameter>result-regex[4]</parameter>
    <xpath />
  </cli-configlet-param>
</cli-configlet-params>
</cli-configlet-saved>
</cli-configlets-saved>

```

Prestaging Device Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director Prestaging Devices Management RESTful Web Services.

Discover Device Roles

This request is used to discover the roles of devices.

| | |
|-------------|--|
| URI | api/space/nsas/prestage-devices/manage-roles/discover-roles |
| HTTP Method | POST |
| Consumes | application/vnd.net.juniper.space.manage-roles.discover-roles.status+xml |
| Produces | Discovers the roles of devices. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Job>
      <ID>163860</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Discover Roles process triggered Succesfully.Please check the
    Status using Job Id</Message>
  </Status>
</Data>
```

Get All Prestage Devices

This request is used to retrieve all prestaged devices.

| | |
|-------------|--|
| URI | api/space/nsas/prestage-devices/manage-roles/devices |
| HTTP Method | GET |

| | |
|----------|--|
| Consumes | application/vnd.net.juniper.space.manage-roles.devices+xml |
| Produces | Retrieves all the prestaged devices. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <PrestageDevices size="5">
    <PrestageDevice key="262144"
href="/api/space/nsas/prestage-devices/manage-roles/devices/262144"uri="/api/space/nsas/prestage-devices/manage-roles/devices/262144">
      <DeviceName>exora</DeviceName>
      <IPAddress>10.216.114.114</IPAddress>
    </PrestageDevice>
    <PrestageDevice key="262174"
href="/api/space/nsas/prestage-devices/manage-roles/devices/262174"
uri="/api/space/nsas/prestage-devices/manage-roles/devices/262174">
      <DeviceName>kochin</DeviceName>
      <IPAddress>10.216.114.110</IPAddress>
    </PrestageDevice>
    <PrestageDevice key="262241"
href="/api/space/nsas/prestage-devices/manage-roles/devices/262241"
uri="/api/space/nsas/prestage-devices/manage-roles/devices/262241">
      <DeviceName>embassy</DeviceName>
      <IPAddress>10.216.114.109</IPAddress>
    </PrestageDevice>
    <PrestageDevice key="262305"
href="/api/space/nsas/prestage-devices/manage-roles/devices/262305"
uri="/api/space/nsas/prestage-devices/manage-roles/devices/262305">
      <DeviceName>junos-m10-2-space</DeviceName>
      <IPAddress>10.216.114.103</IPAddress>
    </PrestageDevice>
    <PrestageDevice key="262375"
href="/api/space/nsas/prestage-devices/manage-roles/devices/262375"
uri="/api/space/nsas/prestage-devices/manage-roles/devices/262375">
      <DeviceName>junos-space1</DeviceName>
      <IPAddress>10.216.114.119</IPAddress>
    </PrestageDevice>
```

```
</PrestageDevices>
</Data>
```

Get All Prestage Devices with Pagination, Search, and Filter

This request is used to retrieve all prestaged device details with paging behavior applied on the output, and with the devices sorted and segregated depending on the search criteria.

| | |
|-------------|--|
| URI | api/space/nsas/prestage-devices/manage-roles/devices?sortorder=desc&filteredby=name::space |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.manage-roles.devices+xml;version=2 |
| Produces | Retrieves all the prestaged devices. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <PrestageDevices size="1">
    <PrestageDevice
uri="/api/space/nsas/prestage-devices/manage-roles/devices/1310720"
href="/api/space/nsas/prestage-devices/manage-roles/devices/1310720"
key="1310720">
      <Id>1310720</Id>
      <DeviceName>junos-mx480-space</DeviceName>
      <IPAddress>10.216.114.118</IPAddress>
    </PrestageDevice>
  </PrestageDevices>
</Data>
```

Get Prestage Devices By Device ID

This request is used to retrieve a prestaged device based on the device ID.

| | |
|-------------|---|
| URI | api/space/nsas/prestage-devices/manage-roles/ devices/{id} |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.manage-role.device+xml |
| Produces | Retrieves the prestaged device based on the device ID. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <PrestageDevices>
    <PrestageDevice>
      <Id>262375</Id>
      <DeviceName>junos-space1</DeviceName>
      <IPAddress>10.216.114.119</IPAddress>
      <Role>N_PE</Role>
      <AdditionalRole>CSR</AdditionalRole>
      <LoopbackInterface>lo0.0</LoopbackInterface>
    </PrestageDevice>
  </PrestageDevices>
</Data>
```

Assign Roles to Devices With User Input

This request is used to assign roles to devices with user input.

| | |
|--------------|--|
| URI | api/space/nsas/prestage-devices/manage-roles/ assign-roles-all |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.manage-roles. assign-roles.status+xml |
| Consumes | application/vnd.net.juniper.space.manage-roles. Devices+xml |
| Produces | Assigns roles to all the devices without manual intervention. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <PrestageDevices size="5">
    <PrestageDevice>
      <DeviceName>exora</DeviceName>
      <IPAddress>10.216.114.114</IPAddress>
    </PrestageDevice>
    <PrestageDevice>
      <DeviceName>kochin</DeviceName>
      <IPAddress>10.216.114.110</IPAddress>
    </PrestageDevice>
  </PrestageDevices>
</Data>
```

Assign Roles to All Devices Without User Input

This request is used to assign roles to all devices without user input.

| | |
|-------------|--|
| URI | api/space/nsas/prestage-devices/manage-roles/assign-roles-all |
| HTTP Method | POST |
| Consumes | application/vnd.net.juniper.space.manage-roles.assign-roles.status+xml |
| Produces | Assigns roles to all the devices without manual intervention. |

Output

Sample XML Output

```
<? xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Job>
      <ID>164136</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Assign Roles process triggered successfully. Please check the
Status using Job Id</Message>
  </Status>
</Data>
```

Assign a UNI Role to a PE Device (Version 2)

This request is used to assign a user-to-network interface (UNI) role to a PE device, which is already added and present in the database, in version 2 format.

NOTE: This API version is only maintained for backward compatibility with Connectivity Services Director Release 1.0R2 and earlier, and we recommend that you use the version 1 of this API in Connectivity Services Director Release 2.0 and later.

| | |
|--------------|--|
| URI | /api/space/nsas/pe-devices/<pe-device-id>/peunis |
| HTTP Method | POST |
| Content-Type | application/vnd.juniper.api.space.nsas.add-peun-is-request+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.juniper.api.space.nsas.add-peun-is-request+xml;version=2 |
| Produces | Assigns a UNI role to a PE device. |

Input

Sample XML Input

```
<add-peunis-request>
  <intf-name-list>

  <intf-name-list>ge-0/1/0</intf-name-list>
    </intf-name-list>
</add-peunis-request>
```

Delete a UNI from an N-PE Device (Version 2)

This request is used to delete a previously configured UNI from a network provider edge (N-PE) device in version 2 format.

NOTE: This API version is only maintained for backward compatibility with Connectivity Services Director Release 1.0R2 and earlier, and we recommend that you use the version 1 of this API in Connectivity Services Director Release 2.0 and later.

| | |
|--------------|---|
| URI | /api/space/nsas/pe-devices/<pe-device-id>/peunis |
| HTTP Method | DELETE |
| Content-Type | application/vnd.juniper.api.space.nsas.delete-peun-is-request+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.juniper.api.space.nsas.delete-peun-is-request+xml;version=2 |
| Produces | Deletes a UNI from an N-PE device. |

Input

Sample XML Input

```
<delete-peunis-request>
  <intf-name-list>
    <intf-name-list>ge-0/0/3</intf-name-list>
  </intf-name-list>
</delete-peunis-request>
```

Get All UNIs of an N-PE Device (Version 1)

This request is used to obtain all the configured UNIs of a network provider edge (N-PE) device in version 1 format.

NOTE: This API version is only maintained for backward compatibility with Connectivity Services Director Release 1.0R2 and earlier, and we recommend that you use the version 2 of this API in Connectivity Services Director Release 2.0 and later.

| | |
|-------------|---|
| URI | api/space/nsas/devices/<pe-device-id>/peunis |
| HTTP Method | GET |
| Consumes | application/vnd.juniper.api.space.nsas.peunis+xml |
| Produces | Retrieves all UNIs configured on a network PE device. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8"?>
<peunis total="2">
  <pe-interface-bean>

<image-name>ServiceProvisioning_serviceui_engineerule_UNI_Port_Ambiguous_265x315.png</image-name>

    <id>ge-0/0/0</id>
    <phy-encap>flexible-ethernet-services</phy-encap>
    <device-name>TonyX1-re</device-name>
    <name>ge-0/0/0</name>
    <role>UNKNOWN</role>
    <vlan-profile>default [1-16769024]</vlan-profile>
  </pe-interface-bean>
</pe-interface-bean>

  <image-name>ServiceProvisioning_serviceui_engineerule_UNI_Port_Ambiguous_265x315.png</image-name>

    <id>ge-0/0/1</id>
    <phy-encap>flexible-ethernet-services</phy-encap>
    <device-name>TonyX1-re</device-name>
    <name>ge-0/0/1</name>
```

```
<role>UNKNOWN</role>
  <vlan-profile>default [1-16769024]</vlan-profile>
</pe-interface-bean>
</peunis>
```

Assign a UNI Role to a PE Device (Version 1)

This request is used to assign a user-to-network interface (UNI) role to a PE device, which is already added and present in the database in version 1 format.

| | |
|--------------|---|
| URI | /api/space/nsas/pe-devices/<pe-device-id>/peunis |
| HTTP Method | POST |
| Content-Type | application/vnd.juniper.api.space.nsas.add-peunis-request+xml;version=1;charset=UTF-8 |
| Consumes | application/vnd.juniper.api.space.nsas.add-peunis-request+xml;version=1 |
| Produces | Assigns a UNI role to a PE device. |

Input

Sample XML Input

```
<add-peunis-request>
  <intf-name-list>
    <intf-name>xe-0/0/0</intf-name>
  </intf-name-list>
</add-peunis-request>
```

Delete a UNI from an N-PE Device (Version 1)

This request is used to delete a previously configured UNI from a network provider edge (N-PE) device in version 1 format.

| | |
|--------------|--|
| URI | /api/space/nsas/pe-devices/<pe-device-id>/peunis |
| HTTP Method | DELETE |
| Content-Type | application/vnd.juniper.api.space.nsas.delete-peunis-request+xml;version=1;charset=UTF-8 |
| Consumes | application/vnd.juniper.api.space.nsas.delete-peunis-request+xml;version=1 |
| Produces | Deletes a UNI from an N-PE device. |

Input

Sample XML Input

```
<delete-peunis-request>
  <intf-name-list>
    <intf-name>xe-0/0/0</intf-name>
  </intf-name-list>
</delete-peunis-request>
```

Get All UNIs of an N-PE Device (Version 2)

This request is used to obtain all the configured UNIs of a network provider edge (N-PE) device in version 2 format.

| | |
|-------------|--|
| URI | api/space/nsas/pe-devices/<pe-device-id>/peunis |
| HTTP Method | GET |
| Consumes | application/vnd.juniper.api.space.nsas.peunis+xml;version=2;q=0.02 |

| | |
|----------|---|
| Produces | Retrieves all UNIs configured on a network PE device. |
|----------|---|

Output

Sample XML Output

```
<peunis total="2">
  <pe-interface-bean>
    <image-name>
ServiceProvisioning_serviceui_enginerule_UNI_Port_Ambiguous_265x315.png
    </image-name>
    <id>xe-0/0/1</id>
    <phy-encap>none</phy-encap>
    <device-name>junos-mx80-1-space</device-name>
    <name>xe-0/0/1</name>
    <role>UNKNOWN</role>
    <vlan-profile>default [1-16769024]</vlan-profile>
  </pe-interface-bean>
  <pe-interface-bean>
    <image-name>
ServiceProvisioning_serviceui_enginerule_UNI_Port_Ambiguous_265x315.png
    </image-name>
    <id>ge-1/0/1</id>
    <phy-encap>none</phy-encap>
    <device-name>junos-mx80-1-space</device-name>
    <name>ge-1/0/1</name>
    <role>UNKNOWN</role>
    <vlan-profile>default [1-16769024]</vlan-profile>
  </pe-interface-bean>
</peunis>
```

Get All Prestaged Devices

This request is used to retrieve a list of prestaged devices.

| | |
|----------------------------|---|
| New Parameters | api/space/nsas/pre-stage-devices |
| Description of the Changes | This API is used to retrieve a list of prestaged devices. |
| URI | api/space/nsas/pre-stage-devices |

| | |
|-------------|--|
| HTTP Method | GET |
| Consumes | <p>application/vnd.juniper.api.space.nsas.pre-stage-devices+xml;version=2</p> <p>application/vnd.juniper.api.space.nsas.pre-stage-devices+json;version=2</p> |
| Produces | Retrieves a list of prestaged devices. |

Output

Sample XML Output

```
<pre-stage-devices total="Integer" uri="/api/space/nsas/pre-stage-devices">

  <pre-stage-device href="/api/space/nsas/pre-stage-devices/{id}" "
uri="/api/space/nsas/pre-stage-devices/{id}" ">
    <ser-role>L3_READY</ser-role>

    <loopback-interface-ip-address>String</loopback-interface-ip-address>
      <device-family>String</device-family>
      <management-ip-address>String</management-ip-address>
      <id>Integer</id>
      <device-name>String</device-name>
      <role>N_PE</role>
      <me-id>Integer</me-id>
      <loopback-interface-name>String</loopback-interface-name>
    </pre-stage-device>
  </pre-stage-devices>"
```

Unassign Roles of Devices

This request is used to unassign the role of devices passed as a parameter. Multiple device IDs are concatenated with a | (pipe) character.

| | |
|----------------------------|---|
| New Parameters | api/space/nsas/pe-unassign-role?data=<deviceids> |
| Description of the Changes | This API is used to unassign the role of a specific device. |

| | |
|-------------|--|
| URI | api/space/nsas//pe-unassign-role?data=<deviceids> |
| HTTP Method | POST |
| Consumes | application/vnd.juniper.api.space.nsas.pe-unassign-roles+xml;version=2 application/vnd.juniper.api.space.nsas.pe-unassign-roles+json;version=2" |
| Produces | Unassigns the roles of devices. |

Output

Sample XML Output

```
"
<pe-unassign-roles total="Integer" uri="/api/space/nsas/pe-unassign-role">

  <prestage-unassign-role-status>
    <message>String</message>
    <device-name>String</device-name>
    <ret-val>String</ret-val>
    <device-id>String</device-id>
  </prestage-unassign-role-status>
</pe-unassign-roles>"
```

Get Job Details By Job ID

This request is used to obtain the details of a specific job, based on its unique identifier.

| | |
|----------------------------|---|
| New Parameters | "getJobDetailsForRequest" |
| Description of the Changes | This API is to display the job details as a device view. Previously, the job summary was shown when you double-clicked the link in a job ID. With this new REST API call, job details are filtered on the basis of each device. |
| HTTP Method | GET |

| | |
|----------------------|--|
| URI | /api/space/nsas/elan-vpls/service-management/service-orders/jobId |
| Consumes | application/vnd.net.juniper.space.service-management.service-orders+json;version=2 |
| Produces | Retrieves the details of a particular job. |
| Mandatory Parameters | jobID |

Output

Sample JSONOutput

```
{
  "Data": {
    "JobDetailsType": {
      "jobDetailType": [
        {
          "nodeName": "960R1_EN_Alok_re",
          "statusMessage": "Endpoint cannot be provisioned since validation failed for other devices.",
          "jobStatus": "INVALID",
          "serviceName": "Test2Devices"
        },
        {
          "nodeName": "960R2_EN_Alok_re",
          "statusMessage": "Validation Error on Device:<b>[960R2_EN_Alok_re]</b>\n{Interface ge-0/0/4 has existing encapsulation <br>flexible-ethernet-services <br>new illegal encapsulation <br>ethernet-vpls= , Physical Encap flexible-ethernet-services cannot be overridden by ethernet-vpls= , Cannot change interface encapsulation <br><br>flexible-ethernet-services <br>to ethernet-vpls= }\n",
          "jobStatus": "INVALID",
          "serviceName": "Test2Devices"
        }
      ]
    }
  }
}
```

Get All Basic Services

This request is used to retrieve details of all the configured basic services..

| | |
|----------------------------|--|
| New Parameters | api/space/nsas/basic-services |
| Description of the Changes | This API call is used to retrieve all the services. |
| URI | api/space/nsas/basic-services |
| HTTP Method | GET |
| Consumes | application/vnd.juniper.api.space.nsas.basic-services+xml;version=2 |
| Content Type | application/vnd.juniper.api.space.nsas.basic-services+json;version=2 |
| Produces | Retrieves all the basic services. |

Output

Sample XML Output

```
<basic-services total="Integer" uri="/api/space/nsas/basic-services">
  <basic-service href="/api/space/nsas/basic-services/{service-id}"
uri="/api/space/nsas/basic-services/{service-id}">
    <customer-name>String</customer-name>
    <fault-status>String</fault-status>
    <definition>String</definition>
    <status>String</status>
    <state>String</state>
    <ext-ref>String</ext-ref>
    <monitoring-id>String</monitoring-id>
    <type-of-request>String</type-of-request>
    <topo-type>POINT2POINT</topo-type>
    <_policy-name>String</_policy-name>
    <description>String</description>
    <overall-status>String</overall-status>
    <service-id>Integer</service-id>
    <signaling>String</signaling>
    <activation-date>String</activation-date>
```

```

        <service-type>String</service-type>
        <sla-status>String</sla-status>
        <customer-id>String</customer-id>
        <name>String</name>
        <last-modified-date>String</last-modified-date>
        <definition-id>String</definition-id>
        <pm-status>String</pm-status>
    </basic-service>
</basic-services>

```

Resource Pools Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director Resource Pools Management RESTful Web Services.

Get Status of Resource Pools for a VLAN

This request is used to retrieve the status of resource pools for a VLAN interface. While creating service order, there is a possibility that you might enter an already allocated VLAN ID. To identify whether a particular VLAN ID is already allocated or not a resource pool API has been designed. The interface ID for a particular interface in a device is found by using the following API:

api/space/nsas/device-roles/pe-devices

| | |
|-------------|---|
| URI | api/space/nsas/resource-utilization/vlan-resource/ <interface-id>/<vlan-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.resource- utilization.vlan-resource-status+xml |
| Produces | Displays the status of resource pools for a VLAN ID. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ResourceItem>
    <Type>VLAN</Type>
    <Value>1252</Value>
    <Status>Available </Status>
  </ResourceItem>
</Data>
```

Get Status of Resource Pools for a Virtual Circuit

This request is used to retrieve the status of resource pools for a virtual circuit. The interface ID for a particular interface in a device is found by using the following API:

api/space/nsas/device-roles/pe-devices

| | |
|-------------|---|
| URI | api/space/nsas/resource-utilization/ vc-resource/<vc-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space. resource-utilization.vc-resource-status+xml |
| Produces | Displays the status of resource pools for a virtual circuit. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ResourceItem>
    <Type>VCID</Type>
    <Value>2147467331</Value>
    <Status>Allocated</Status>
  </ResourceItem>
</Data>
```

Get Status of Route Distinguishers in Resource Pools

This request is used to retrieve the status of route distinguishers (RDs) in a resource pool. The device ID for a particular device is found by using the following API:

api/space/nsas/device-roles/pe-devices

| | |
|-------------|---|
| URI | api/space/nsas/resource-utilization/ rd-resource/<deviceId>/<rdValue> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space. resource-utilization.rd-resource-status+xml |
| Produces | Displays the status of route distinguishers in a resource pool. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ResourceItem>
    <Type>RD</Type>
    <Value>100</Value>
    <Status>Allocated</Status>
  </ResourceItem>
</Data>
```

Get Status of Route Targets in Resource Pools

This request is used to retrieve the status of route targets (RTs) in a resource pool. The device ID for a particular device is found by using the following API:

api/space/nsas/device-roles/pe-devices

| | |
|-------------|--|
| URI | api/space/nsas/resource-utilization/rd-resource/ <deviceId>/<rtValue> |
| HTTP Method | GET |

| | |
|----------|---|
| Consumes | application/vnd.net.juniper.space.resource-utilization. rt-resource-status+xml |
| Produces | Displays the status of route targets in a resource pool. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ResourceItem>
    <Type>RT</Type>
    <Value>301</Value>
    <Status>Available</Status>
  </ResourceItem>
</Data>
```

Get All Resource Pools Available in Junos Space

This request is used to retrieve the configured resource pool details.

| | |
|-------------|---|
| URI | api/space/nsas/resource-utilization/resource-pools |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.resource- utilization.resource-pools+xml |
| Produces | Collects all the resource pool details available in Junos Space. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ResourcePools size="200">
```

```

<ResourcePool>
  <PoolName>global-vcid-pool</PoolName>
  <PoolID>1</PoolID>
  <PoolType>Virtual Circuit</PoolType>
  <SubType>--</SubType>
  <PoolDescription>Global pool of VC-Ids</PoolDescription>
  <PoolSize>--</PoolSize>
  <Allocations size="1"/>
</ResourcePool>
<ResourcePool>
  <PoolName>IPV4 Resource Pool:10.0.77.0/24</PoolName>
  <PoolID>4</PoolID>
  <PoolType>IPV4 Address</PoolType>
  <SubType>Global</SubType>
  <PoolDescription>Pool of IPV4 Addresses:10.0.77.0/24,
(10.0.77.0/24)</PoolDescription>
  <ManagingElement>Global Pool</ManagingElement>
  <Allocations size="1"/>
</ResourcePool>
<ResourcePool>
  <PoolName>IPV4 Resource Pool:10.0.88.0/24</PoolName>
  <PoolID>7</PoolID>
  <PoolType>IPV4 Address</PoolType>
  <SubType>Global</SubType>
  <PoolDescription>Pool of IPV4 Addresses:10.0.88.0/24,
(10.0.88.0/24)</PoolDescription>
  <ManagingElement>Global Pool</ManagingElement>
  <Allocations size="1"/>
</ResourcePool>
<ResourcePool>
  <PoolName>IPV4 Resource Pool:10.0.99.0/24</PoolName>
  <PoolID>10</PoolID>
  <PoolType>IPV4 Address</PoolType>
  <SubType>Global</SubType>
  <PoolDescription>Pool of IPV4 Addresses:10.0.99.0/24,
(10.0.99.0/24)</PoolDescription>
  <ManagingElement>Global Pool</ManagingElement>
  <Allocations size="0"/>
</ResourcePool>
<ResourcePool>
  <PoolName>AsRTPool50</PoolName>
  <PoolID>32770</PoolID>

```

```

    <PoolType>Route Target</PoolType>
    <SubType>--</SubType>
    <PoolDescription>RT Pool for AS50</PoolDescription>
    <PoolSize>--</PoolSize>
    <Allocations size="6"/>
  </ResourcePool>
  <ResourcePool>
    <PoolName>AsRDPool150</PoolName>
    <PoolID>32772</PoolID>
    <PoolType>Route Distinguisher</PoolType>
    <SubType>--</SubType>
    <PoolDescription>RD Pool for AS50</PoolDescription>
    <PoolSize>--</PoolSize>
    <Allocations size="29"/>
  </ResourcePool>
  <ResourcePool>
    <PoolName>VLAN:ARUN4re:ge-0/0/3</PoolName>
    <PoolID>33356</PoolID>
    <PoolType>VLAN</PoolType>
    <SubType>--</SubType>
    <PoolDescription>VLAN Id Pool For Interface : ge-0/0/3 : ON Device Id :
ARUN4re</PoolDescription>
    <ManagingElement>Device (ARUN4re)</ManagingElement>
    <PoolSize>--</PoolSize>
    <Allocations size="0"/>
  </ResourcePool>
  <ResourcePool>
    <PoolName>Unit:ARUN4re:ge-0/0/3</PoolName>
    <PoolID>33360</PoolID>
    <PoolType>Unit</PoolType>
    <SubType>--</SubType>
    <PoolDescription>Unit Pool For Interface : ge-0/0/3 : ON Device Id :
ARUN4re</PoolDescription>
    <ManagingElement>Device (ARUN4re)</ManagingElement>
    <PoolSize>--</PoolSize>
    <Allocations size="0"/>
  </ResourcePool>
  <ResourcePool>
    <PoolName>VLAN:ARUN4re:ge-0/0/4</PoolName>
    <PoolID>33364</PoolID>
    <PoolType>VLAN</PoolType>
    <SubType>--</SubType>

```

```

    <PoolDescription>VLAN Id Pool For Interface : ge-0/0/4 : ON Device Id :
ARUN4re</PoolDescription>
    <ManagingElement>Device (ARUN4re)</ManagingElement>
    <PoolSize>--</PoolSize>
    <Allocations size="0"/>
</ResourcePool>
<ResourcePool>
    <PoolName>Unit:ARUN4re:ge-0/0/4</PoolName>
    <PoolID>33368</PoolID>
    <PoolType>Unit</PoolType>
    <SubType>--</SubType>
    <PoolDescription>Unit Pool For Interface : ge-0/0/4 : ON Device Id :
ARUN4re</PoolDescription>
    <ManagingElement>Device (ARUN4re)</ManagingElement>
    <PoolSize>--</PoolSize>
    <Allocations size="0"/>
</ResourcePool>
<ResourcePool>
    <PoolName>VLAN:ARUN4re:ge-0/0/5</PoolName>
    <PoolID>33372</PoolID>
    <PoolType>VLAN</PoolType>
    <SubType>--</SubType>
    <PoolDescription>VLAN Id Pool For Interface : ge-0/0/5 : ON Device Id :
ARUN4re</PoolDescription>
    <ManagingElement>Device (ARUN4re)</ManagingElement>
    <PoolSize>--</PoolSize>
    <Allocations size="1"/>
</ResourcePool>
<ResourcePool>
    <PoolName>Unit:ARUN4re:ge-0/0/5</PoolName>
    <PoolID>33376</PoolID>
    <PoolType>Unit</PoolType>
    <SubType>--</SubType>
    <PoolDescription>Unit Pool For Interface : ge-0/0/5 : ON Device Id :
ARUN4re</PoolDescription>
    <ManagingElement>Device (ARUN4re)</ManagingElement>
    <PoolSize>--</PoolSize>
    <Allocations size="1"/>
</ResourcePool>
<ResourcePool>
    <PoolName>VLAN:ARUN4re:ge-0/0/6</PoolName>
    <PoolID>33380</PoolID>

```

```

    <PoolType>VLAN</PoolType>
    <SubType>--</SubType>
    <PoolDescription>VLAN Id Pool For Interface : ge-0/0/6 : ON Device Id :
ARUN4re</PoolDescription>
    <ManagingElement>Device (ARUN4re)</ManagingElement>
    <PoolSize>--</PoolSize>
    <Allocations size="0"/>
</ResourcePool>
<ResourcePool>
    <PoolName>Unit:ARUN4re:ge-0/0/6</PoolName>
    <PoolID>33384</PoolID>
    <PoolType>Unit</PoolType>
    <SubType>--</SubType>
    <PoolDescription>Unit Pool For Interface : ge-0/0/6 : ON Device Id :
ARUN4re</PoolDescription>
    <ManagingElement>Device (ARUN4re)</ManagingElement>
    <PoolSize>--</PoolSize>
    <Allocations size="0"/>
</ResourcePool>
<ResourcePool>
    <PoolName>VLAN:ARUN4re:ge-0/0/7</PoolName>
    <PoolID>33388</PoolID>
    <PoolType>VLAN</PoolType>
    <SubType>--</SubType>
    <PoolDescription>VLAN Id Pool For Interface : ge-0/0/7 : ON Device Id :
ARUN4re</PoolDescription>
    <ManagingElement>Device (ARUN4re)</ManagingElement>
    <PoolSize>--</PoolSize>
    <Allocations size="0"/>
</ResourcePool>
<ResourcePool>
    <PoolName>Unit:ARUN4re:ge-0/0/7</PoolName>
    <PoolID>33392</PoolID>
    <PoolType>Unit</PoolType>
    <SubType>--</SubType>
    <PoolDescription>Unit Pool For Interface : ge-0/0/7 : ON Device Id :
ARUN4re</PoolDescription>
    <ManagingElement>Device (ARUN4re)</ManagingElement>
    <PoolSize>--</PoolSize>
    <Allocations size="0"/>
</ResourcePool>
<ResourcePool>

```

```

    <PoolName>VLAN:ARUN4re:ge-0/0/8</PoolName>
    <PoolID>33396</PoolID>
    <PoolType>VLAN</PoolType>
    <SubType>--</SubType>
    <PoolDescription>VLAN Id Pool For Interface : ge-0/0/8 : ON Device Id :
ARUN4re</PoolDescription>
    <ManagingElement>Device (ARUN4re)</ManagingElement>
    <PoolSize>--</PoolSize>
    <Allocations size="0"/>
</ResourcePool>
<ResourcePool>
    <PoolName>Unit:ARUN4re:ge-0/0/8</PoolName>
    <PoolID>33400</PoolID>
    <PoolType>Unit</PoolType>
    <SubType>--</SubType>
    <PoolDescription>Unit Pool For Interface : ge-0/0/8 : ON Device Id :
ARUN4re</PoolDescription>
    <ManagingElement>Device (ARUN4re)</ManagingElement>
    <PoolSize>--</PoolSize>
    <Allocations size="0"/>
</ResourcePool>
<ResourcePool>
    <PoolName>VLAN:ARUN4re:ge-0/0/9</PoolName>
    <PoolID>33404</PoolID>
    <PoolType>VLAN</PoolType>
    <SubType>--</SubType>
    <PoolDescription>VLAN Id Pool For Interface : ge-0/0/9 : ON Device Id :
ARUN4re</PoolDescription>
    <ManagingElement>Device (ARUN4re)</ManagingElement>
    <PoolSize>--</PoolSize>
    <Allocations size="0"/>
</ResourcePool>
<ResourcePool>
    <PoolName>Unit:ARUN4re:ge-0/0/9</PoolName>
    <PoolID>33408</PoolID>
    <PoolType>Unit</PoolType>
    <SubType>--</SubType>
    <PoolDescription>Unit Pool For Interface : ge-0/0/9 : ON Device Id :
ARUN4re</PoolDescription>
    <ManagingElement>Device (ARUN4re)</ManagingElement>
    <PoolSize>--</PoolSize>
    <Allocations size="0"/>

```

```

</ResourcePool>
<ResourcePool>
  <PoolName>VLAN:ARUN4re:lt-0/0/10</PoolName>
  <PoolID>33412</PoolID>
  <PoolType>VLAN</PoolType>
  <SubType>--</SubType>
  <PoolDescription>VLAN Id Pool For Interface : lt-0/0/10 : ON Device Id :
ARUN4re</PoolDescription>
  <ManagingElement>Device (ARUN4re)</ManagingElement>
  <PoolSize>--</PoolSize>
  <Allocations size="0"/>
</ResourcePool>
<ResourcePool>
  <PoolName>Unit:ARUN4re:lt-0/0/10</PoolName>
  <PoolID>33416</PoolID>
  <PoolType>Unit</PoolType>
  <SubType>--</SubType>
  <PoolDescription>Unit Pool For Interface : lt-0/0/10 : ON Device Id :
ARUN4re</PoolDescription>
  <ManagingElement>Device (ARUN4re)</ManagingElement>
  <PoolSize>--</PoolSize>
  <Allocations size="1"/>
</ResourcePool>
<ResourcePool>
  <PoolName>VLAN:ARUN4re:ge-0/1/0</PoolName>
  <PoolID>33420</PoolID>
  <PoolType>VLAN</PoolType>
  <SubType>--</SubType>
  <PoolDescription>VLAN Id Pool For Interface : ge-0/1/0 : ON Device Id :
ARUN4re</PoolDescription>
  <ManagingElement>Device (ARUN4re)</ManagingElement>
  <PoolSize>--</PoolSize>
  <Allocations size="0"/>
</ResourcePool>
<ResourcePool>
  <PoolName>Unit:ARUN4re:ge-0/1/0</PoolName>
  <PoolID>33424</PoolID>
  <PoolType>Unit</PoolType>
  <SubType>--</SubType>
  <PoolDescription>Unit Pool For Interface : ge-0/1/0 : ON Device Id :
ARUN4re</PoolDescription>
  <ManagingElement>Device (ARUN4re)</ManagingElement>

```

```
<PoolSize>--</PoolSize>
<Allocations size="0"/>
</ResourcePool>
<ResourcePool>
  <PoolName>VLAN:ARUN4re:ge-0/1/1</PoolName>
  <PoolID>33428</PoolID>
  <PoolType>VLAN</PoolType>
  <SubType>--</SubType>
  <PoolDescription>VLAN Id Pool For Interface : ge-0/1/1 : ON Device Id :
ARUN4re</PoolDescription>
  <ManagingElement>Device (ARUN4re)</ManagingElement>
  <PoolSize>--</PoolSize>
  <Allocations size="0"/>
</ResourcePool>
</ResourcePools>
</Data>
```

Get Allocated Resources for a Pool

This request is used to retrieve all the allocated resources for a particular pool.

| | |
|-------------|---|
| URI | api/space/nsas/resource-utilization/resource-pools/pool-id |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.resource-utilization.resource-pools+xml |
| Produces | Collects all the allocated resources for a particular pool. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ResourcePools>
```

```
<ResourcePool>
  <PoolName>Unit:ARUN2re:ge-0/0/4</PoolName>
  <PoolID>33482</PoolID>
  <PoolType>Unit</PoolType>
  <PoolDescription>Unit Pool For Interface : ge-0/0/4 : ON Device Id :
ARUN2re</PoolDescription>
  <ManagingElement>Device (ARUN2re)</ManagingElement>
  <Allocations size="1">
    <Allocated>
      <Value>78</Value>
      <METype>Interface</METype>
      <Description>Allocated([Service : HSRDTEST, Interface :
ge-0/0/4.78])</Description>
    </Allocated>
  </Allocations>
</ResourcePool>
</ResourcePools>
</Data>
```

Get Status of Units in Resource Pools for IPv4 Address Profiles

This request is used to retrieve the status of units for interfaces in a resource pool. While creating a service order, there is a possibility that you might configure an already allocated unit. To find out whether a particular unit has been previously allocated, the Resource Pool API has been implemented. The interface ID for a particular interface in a device can be determined by using the following API:

api/space/nsas/device-roles/pe-devices

| | |
|-------------|---|
| URI | api/space/nsas/resource-utilization/unit-resource/{interface-id}/{unit} |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.resource-utilization.unit-resource-status+xml |
| Produces | Displays the status of units in a resource pool. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ResourceItem>
    <Type>Unit</Type>
    <Value>125</Value>
    <Status>Available </Status>
  </ResourceItem>
</Data>
```

Get All Resource Pools for IPv4 Address Profiles

This request is used to retrieve the configured IPv4 address resource pool details.

| | |
|-------------|--|
| URI | api/space/nsas/resource-utilization/ipv4address-pool |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.resource-utilization. ipv4address-pools+xml |
| Produces | Collects all the IPv4 address resource pool details. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <IPv4AddressPool>
    <PoolName>IPv4 Resource Pool:10.0.77.0/24</PoolName>
    <PoolID>4</PoolID>
    <PoolType>Global</PoolType>
    <PoolDescription>Pool of IPV4 Addresses:10.0.77.0/24</PoolDescription>
    <IPAddressPool>10.0.77.0/24</IPAddressPool>
  </IPv4AddressPool>
  <IPv4AddressPool>
    <PoolName>IPv4 Resource Pool:10.0.88.0/24</PoolName>
    <PoolID>7</PoolID>
```

```
<PoolType>Global</PoolType>
<PoolDescription>Pool of IPV4 Addresses:10.0.88.0/24</PoolDescription>
<IPAddressPool>10.0.88.0/24</IPAddressPool>
</IPV4AddressPool>
<IPV4AddressPool>
<PoolName>IPV4 Resource Pool:10.0.99.0/24</PoolName>
<PoolID>10</PoolID>
<PoolType>Global</PoolType>
<PoolDescription>Pool of IPV4 Addresses:10.0.99.0/24</PoolDescription>
<IPAddressPool>10.0.99.0/24</IPAddressPool>
</IPV4AddressPool>
</Data>
```

Get IPv4 Address Resource Pools By Pool ID

This request is used to retrieve the details of a specific resource pool based on the pool identifier.

| | |
|-------------|---|
| URI | api/space/nsas/resource-utilization/ ipv4address-pool/<poolId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.resource- utilization.ipv4address-pool+xml |
| Produces | Collects a specific IPv4 address resource pool details. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<IPV4AddressPool>
<PoolName>IPV4 Resource Pool:10.0.77.0/24</PoolName>
<PoolID>4</PoolID>
<PoolType>Global</PoolType>
<PoolDescription>Pool of IPV4 Addresses:10.0.77.0/24</PoolDescription>
<IPAddressPool>10.0.77.0/24</IPAddressPool>
```

```
</IPv4AddressPool>
</Data>
```

Get All Resource Pools

This request is used to retrieve the configured resource pool details.

| | |
|-------------|---|
| URI | api/space/nsas/resource-utilization/resource-pools? start=<start count>&limit=<number for records> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.resource- utilization.resource-pools+xml |
| Produces | Collects all the resource pool details. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ResourcePool>
    <ResourcePool>
      <PoolName>IPv4 Resource Pool:10.0.77.0/24</PoolName>
      <PoolID>4</PoolID>
      <PoolType>IPv4_ADDRESS_IDENTIFIER</PoolType>
      <SubType>default</SubType>
      <PoolDescription>Pool of IPv4 Addresses:10.0.77.0/24</PoolDescription>
      <PoolSize>256</PoolSize>
      <Allocations size="1"></Allocations>
    </ResourcePool>
    <ResourcePool>
      <PoolName>AsRDPool100</PoolName>
      <PoolID>15</PoolID>
      <PoolType>ROUTE_DISTINGUISHER_IDENTIFIER</PoolType>
      <PoolDescription>RD Pool for AS100</PoolDescription>
```

```
<PoolSize>4294967296</PoolSize>
<Allocations size="0"></Allocations>
</ResourcePool>
<ResourcePool>
<PoolName> VLAN:655378:ge-0/0/0</PoolName>
<PoolID>10</PoolID>
<PoolType>VLAN_IDENTIFIER</PoolType>
<PoolDescription>VLAN Id Pool For Interface : ge-0/0/0 : ON Device Id : 655378
  </PoolDescription>
<PoolSize>16769024</PoolSize>
<Allocations size="0"></Allocations>
</ResourcePool>
</ResourcePool>
</Data>
```

Get Allocated Resource Pools By Pool ID

This request is used to retrieve the details of a specific allocated resource pool based on the pool identifier.

| | |
|-------------|--|
| URI | api/space/nsas/resource-utilization/ resource-pool/<poolId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.resource- utilization.resource-pool+xml |
| Produces | Collects a specific allocated resource pool details. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ResourcePool>
    <PoolName>IPV4 Resource Pool:10.0.77.0/24</PoolName>
    <PoolID>4</PoolID>
    <PoolType>IPV4_ADDRESS_IDENTIFIER</PoolType>
```

```
<SubType>default</SubType>
<PoolDescription>Pool of IPV4 Addresses:10.0.77.0/24</PoolDescription>
<PoolSize>256</PoolSize>
<Allocations size="1">
  <Allocated>
    <Value>10.0.77.13/30</Value>
    <METype> UNI_Entity</METype>
    <Description>Device: Buxar UNI: ge-1/2/4</Description>
  </Allocated>
</Allocations>
</ResourcePool>
</Data>
```

Create an IPv4 Resource Pool

This request is used to create an IPv4 resource pool.

| | |
|--------------|--|
| URI | api/space/nsas/resource-utilization/ipv4address-pool |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.resource-utilization.ipv4address-pool+xml |
| Consumes | application/vnd.net.juniper.space.resource-utilization.ipv4address-pool-status+xml |
| Produces | Creates an IPv4 resource pool. |

Input for Creating a Global Pool

Sample XML Input for Creating a Global Pool

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <IPv4AddressPool>
    <PoolName>Test4</PoolName>
```

```

<PoolType>Global</PoolType>
<PoolDescription></PoolDescription>
<IPAddressPool>10.0.19.0</IPAddressPool>
<IPBlockSize>24</IPBlockSize>
</IPv4AddressPool>
</Data>

```

Input for Creating a Customer Pool

Sample XML Input for Creating a Customer Pool

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <IPv4AddressPool>
    <PoolName>Custom</PoolName>
    <PoolType>Customer</PoolType>
    <PoolDescription></PoolDescription>
    <IPAddressPool>10.0.25.0</IPAddressPool>
    <IPBlockSize>24</IPBlockSize>
    <AssociatedCustomer>John McLane</AssociatedCustomer>
  </IPv4AddressPool>
</Data>

```

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>IPv4ResourcePool</Type>
      <Value>393236</Value>
    </Identity>
    <Code>200</Code>
    <Message>IPv4ResourcePool created successfully</Message>
  </Status>
</Data>

```

Delete an IPv4 Resource Pool

This request is used to delete a previously configured IPv4 resource pool.

| | |
|-------------|--|
| URI | api/space/nsas/resource-utilization/ipv4address-pool |
| HTTP Method | DELETE |
| Consumes | application/vnd.net.juniper.space.resource-utilization.ipv4address-pool-status+xml |
| Produces | Deletes an IPv4 resource pool. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>IPV4ResourcePool</Type>
      <Value>393236</Value>
    </Identity>
    <Code>200</Code>
    <Message>IPV4ResourcePool deleted successfully</Message>
  </Status>
</Data>
```

Services Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director Services Management RESTful Web Services.

Create a Service Order

This request is used to create a service order.

| | |
|-----|----------------------------------|
| URI | api/space/nsas/csd/service-order |
|-----|----------------------------------|

| | |
|----------------|--|
| HTTP Method | POST |
| Consumes | application/xml |
| Produces | Create a service order |
| Validation URL | api/space/nsas/csd/service-order?validation=true |

Request Body

```
<Data
  xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>vpls-fml</Name>
        <CustomerName>airtel</CustomerName>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceEndPointGroup>

<DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
      <DeviceInfo>
        <NA>
          <DeviceName>960R1_EL_vasut_re</DeviceName>
          <DeviceID>1245267</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-0/0/9</InterfaceName>
        <ServiceEndpointConfiguration
          xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">
          <Hub>false</Hub>
          <UnitId>24</UnitId>
          <VlanId>24</VlanId>
          <Bandwidth>10</Bandwidth>
        </ServiceEndpointConfiguration>
      </ServiceEndPoint>
    </ServiceEndPointGroup>
  </ServiceEndPointGroup>

<DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
  <DeviceInfo>
```

```

        <NA>
        <DeviceName>960R2_EL_vasut_re</DeviceName>
        <DeviceID>1245241</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge-0/0/5</InterfaceName>
    <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">
        <Hub>false</Hub>
        <UnitId>24</UnitId>
        <VlanId>24</VlanId>
        <Bandwidth>10</Bandwidth>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>

<DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
    <DeviceInfo>
        <NA>
        <DeviceName>480R3_EL_vasut_re</DeviceName>
        <DeviceID>1245187</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge-0/0/7</InterfaceName>
    <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">
        <Hub>false</Hub>
        <UnitId>24</UnitId>
        <VlanId>24</VlanId>
        <Bandwidth>10</Bandwidth>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterOrderType">
    <RouteDistinguisher AutoPick = "true"></RouteDistinguisher>
    <RouteTarget AutoPick = "true"></RouteTarget>
    <MTUFactor>10</MTUFactor>

```

```

        </ServiceOrderParameter>
        <Reference>
            <Customer key="884793"/>
            <ServiceDefinition>
                <ServiceDefinitionID key="1540111"/>
            </ServiceDefinition>
            <Service key="undefined"/>
        </Reference>
    </ServiceOrder>
</ServiceResource>
<CustomAction
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndValidate</Action>
</CustomAction>
</Data>

```

Response Body

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data
    xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
        <Identity>
            <Type>ServiceOrder</Type>
            <Value>1540216</Value>
        </Identity>
        <Job>
            <ID>426053</ID>
            <Status>INPROGRESS</Status>
        </Job>
        <Code>200</Code>
        <Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
    </Status>
</Data>

```

Create an H-VPLS Service Order

This request is used to create a H-VPLS service order.

| | |
|-----|-----------------------------------|
| URI | /api/space/nsas/csd/service-order |
|-----|-----------------------------------|

| | |
|----------------|---------------------------------|
| HTTP Method | POST |
| Consumes | application/xml |
| Produces | Creates an H-VPLS service order |
| Validation URL | |

Request Body

```
<Data
  xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>standby</Name>
        <CustomerName>EPSILON</CustomerName>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceEndPointGroup>
        <DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
        <DeviceInfo>
          <NA>
            <DeviceName>ARI2re</DeviceName>
            <DeviceID>9</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/7</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="VPLSHSLDP endPointConfigParameterOrderType">
            <Hub>true</Hub>
            <AutoPickUnitId>true</AutoPickUnitId>
            <AutoPickVlanId>true</AutoPickVlanId>
            <MACLearning>true</MACLearning>
            <InterfaceMACLimit>1024</InterfaceMACLimit>
            <MACStatistics>true</MACStatistics>
            <MACTableSize>5120</MACTableSize>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>
  <DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
```

```

<DeviceInfo>
  <NA>
    <DeviceName>ARI6re</DeviceName>
    <DeviceID>10</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-0/0/7</InterfaceName>
  <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSLDPEndPointConfigParameterOrderType">
    <Hub>true</Hub>
    <AutoPickUnitId>true</AutoPickUnitId>
    <AutoPickVlanId>true</AutoPickVlanId>
    <MACLearning>true</MACLearning>
    <InterfaceMACLimit>1024</InterfaceMACLimit>
    <MACStatistics>true</MACStatistics>
    <MACTableSize>5120</MACTableSize>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
  <DeviceInfo>
    <NA>
      <DeviceName>ARI4re</DeviceName>
      <DeviceID>11</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/0</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSLDPEndPointConfigParameterOrderType">
      <Hub>true</Hub>
      <AutoPickUnitId>true</AutoPickUnitId>
      <AutoPickVlanId>true</AutoPickVlanId>
      <MACLearning>true</MACLearning>
      <InterfaceMACLimit>1024</InterfaceMACLimit>
      <MACStatistics>true</MACStatistics>
      <MACTableSize>5120</MACTableSize>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>

```

```

<ServiceEndPointGroup>
  <DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
  <DeviceInfo>
    <NA>
      <DeviceName>ARI1re</DeviceName>
      <DeviceID>12</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/0/8</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSLDP endPointConfigParameterOrderType">
      <HubConnectivityName>meshgp09</HubConnectivityName>
      <NeighbourHub>ARI6re</NeighbourHub>
      <BackupNeighbourHub>ARI4re</BackupNeighbourHub>
      <Standby>>false</Standby>
      <Hub>>false</Hub>
      <AutoPickUnitId>true</AutoPickUnitId>
      <AutoPickVlanId>true</AutoPickVlanId>
      <MACLearning>true</MACLearning>
      <InterfaceMACLimit>1024</InterfaceMACLimit>
      <MACStatistics>true</MACStatistics>
      <MACTableSize>5120</MACTableSize>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
  <DeviceInfo>
    <NA>
      <DeviceName>ARI5re</DeviceName>
      <DeviceID>13</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/0</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSLDP endPointConfigParameterOrderType">
      <HubConnectivityName>meshgp09</HubConnectivityName>
      <NeighbourHub>ARI6re</NeighbourHub>
      <BackupNeighbourHub>ARI4re</BackupNeighbourHub>
      <Standby>>false</Standby>

```

```

    <Hub>false</Hub>
    <AutoPickUnitId>true</AutoPickUnitId>
    <AutoPickVlanId>true</AutoPickVlanId>
    <MACLearning>true</MACLearning>
    <InterfaceMACLimit>1024</InterfaceMACLimit>
    <MACStatistics>true</MACStatistics>
    <MACTableSize>5120</MACTableSize>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
  <DeviceInfo>
    <NA>
      <DeviceName>ARI3re</DeviceName>
      <DeviceID>14</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/0/7</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSLDP endPointConfigParameterOrderType">
      <EnableP2PSpoke>true</EnableP2PSpoke>
      <AutoPickVCID>true</AutoPickVCID>
      <HubConnectivityName>meshgp09</HubConnectivityName>
      <NeighbourHub>ARI2re</NeighbourHub>
      <BackupNeighbourHub>ARI4re</BackupNeighbourHub>
      <Standby>false</Standby>
      <Hub>false</Hub>
      <AutoPickUnitId>true</AutoPickUnitId>
      <AutoPickVlanId>true</AutoPickVlanId>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterOrderType">
  <Dot1QVLANTag>60</Dot1QVLANTag>
  <HubRouteTarget_AutoPick></HubRouteTarget_AutoPick>
  <SpokeRouteTarget_AutoPick></SpokeRouteTarget_AutoPick>
  <RouteDistinguisher></RouteDistinguisher>
  <RouteTarget_AutoPick></RouteTarget_AutoPick>
</ServiceOrderParameter>

```

```
<Reference>
  <Customer key="1"/>
  <ServiceDefinition>
    <ServiceDefinitionID key="10"/>
  </ServiceDefinition>
  <Service key="undefined"/>
</Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="ServiceOrderCustomActionType">
  <Action>SaveAndValidate</Action>
</CustomAction>
</Data>
```

Response Body

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data
  xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>23</Value>
    </Identity>
    <Job>
      <ID>786753</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Order Created Successfully and Validation is in Progress.
Please check the status using the JOB ID.</Message>
  </Status>
</Data>
```

Modify a Service Order

This request is used to modify a service order.

| | |
|-----|---|
| URI | api/space/nsas/csd/service-order/Service Request ID |
|-----|---|

| | |
|----------------|---|
| HTTP Method | POST |
| Consumes | application/xml |
| Produces | Modify a service order |
| Validation URL | api/space/nsas/csd/service-order/Service Request ID?validation=true |

Request Body

```
<Data
  xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>vpls-fml</Name>
        <CustomerName>airtel</CustomerName>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceEndPointGroup>

<DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
      <DeviceInfo>
        <NA>
          <DeviceName>480R4_EL_vasut_re</DeviceName>
          <DeviceID>1245214</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-0/0/5</InterfaceName>
        <ServiceEndpointConfiguration
          xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">
          <Hub>false</Hub>
          <UnitId>24</UnitId>
          <VlanId>24</VlanId>
          <Bandwidth>10</Bandwidth>
        </ServiceEndpointConfiguration>
      </ServiceEndPoint>
    </ServiceEndPointGroup>
  </ServiceEndPointGroup>

<DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
```

```

        <DeviceInfo>
            <NA>
                <DeviceName>960R2_EL_vasut_re</DeviceName>
                <DeviceID>1245241</DeviceID>
            </NA>
        </DeviceInfo>
        <ServiceEndPoint>
            <InterfaceName>ge-0/0/5</InterfaceName>
            <ServiceEndpointConfiguration
                xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">
                <Hub>false</Hub>
                <UnitId>24</UnitId>
                <VlanId>24</VlanId>
                <Bandwidth>10</Bandwidth>
                <UNIDescription>N/A</UNIDescription>
                <OuterTPID>None</OuterTPID>
            </ServiceEndpointConfiguration>
        </ServiceEndPoint>
    </ServiceEndPointGroup>
<ServiceEndPointGroup>

<DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
    <DeviceInfo>
        <NA>
            <DeviceName>480R3_EL_vasut_re</DeviceName>
            <DeviceID>1245187</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/0/7</InterfaceName>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">
            <Hub>false</Hub>
            <UnitId>24</UnitId>
            <VlanId>24</VlanId>
            <Bandwidth>10</Bandwidth>
            <UNIDescription>N/A</UNIDescription>
            <OuterTPID>None</OuterTPID>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter

```

```

        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterOrderType">
    <RouteDistinguisher>36000:2</RouteDistinguisher>
    <RouteDistinguisher>36000:2</RouteDistinguisher>
    <RouteTarget AutoPick ="true"></RouteTarget>
    <RouteTarget>36000:2</RouteTarget>
</ServiceOrderParameter>
<Reference>
    <Customer key="884793"/>
    <ServiceDefinition>
        <ServiceDefinitionID key="1540111"/>
    </ServiceDefinition>
    <Service key="1540232"/>
</Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndDeployNow</Action>
</CustomAction>
</Data>

```

Response Body

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data
    xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
    <Identity>
    <Type>ServiceOrder</Type>
    <Value>1540251</Value>
    </Identity>
    <Job>
    <ID>426057</ID>
    <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service Order Created Successfully and Deployment is in Progress.
    Please check the status using the JOB ID.</Message>
    </Status>
</Data>

```

Modify a Service

This request is used to modify a service.

| | |
|----------------|---|
| URI | api/space/nsas/csd/service/Service ID |
| HTTP Method | PUT |
| Consumes | application/xml |
| Produces | Modify a service |
| Validation URL | api/space/nsas/csd/service/Service ID?validation=true |

Request Body

```
<Data
  xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>vpls-fml_modify_Aug-04-2017_11-32</Name>
        <CreatedBy>super</CreatedBy>
      </Common>
      <DeletedDeviceInfo>
        <DeviceInfo>
          <NA>
            <DeviceName>480R3_EL_vasut_re</DeviceName>
            <DeviceID>1245187</DeviceID>
          </NA>
        </DeviceInfo>
      </DeletedDeviceInfo>
      <ServiceEndPointGroup>

<DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
      <DeviceInfo>
        <NA>
          <DeviceName>480R3_EL_vasut_re</DeviceName>
          <DeviceID>1245187</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-0/0/7</InterfaceName>
        <ServiceEndpointID>1540294</ServiceEndpointID>
```

```

        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">
            <Hub>false</Hub>
            <UnitId>24</UnitId>
            <VlanId>24</VlanId>
            <Bandwidth>10</Bandwidth>
            <UNIDescription>N/A</UNIDescription>
            <OuterTPID>None</OuterTPID>
        </ServiceEndpointConfiguration>
        <OppType>DELETE</OppType>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>

<DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
    <DeviceInfo>
        <NA>
            <DeviceName>480R4_EL_vasut_re</DeviceName>
            <DeviceID>1245214</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/0/5</InterfaceName>
        <ServiceEndpointID>1540282</ServiceEndpointID>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">
            <Hub>false</Hub>
            <UnitId>24</UnitId>
            <VlanId>24</VlanId>
            <Bandwidth>12</Bandwidth>
            <UNIDescription>N/A</UNIDescription>
        </ServiceEndpointConfiguration>
        <OppType>MODIFY-ENDPOINT</OppType>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterOrderType">
    <RouteDistinguisher AutoPick = "true"></RouteDistinguisher>
    <RouteTarget AutoPick = "true"></RouteTarget>
    <RouteTarget>36000:2</RouteTarget>
    <MTUFactor>10</MTUFactor>

```

```

        </ServiceOrderParameter>
        <Reference>
            <Customer key="884793"/>
            <ServiceDefinition>
                <ServiceDefinitionID key="1540111"/>
            </ServiceDefinition>
            <Service key="1540232"/>
        </Reference>
    </ServiceOrder>
</ServiceResource>
<CustomAction
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="ServiceCustomActionType">
    <Action>SaveAndDeployNow</Action>
</CustomAction>
</Data>

```

Response Body

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data
    xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
        <Identity>
            <Type>ServiceOrder</Type>
            <Value>1540303</Value>
        </Identity>
        <Identity>
            <Type>Service</Type>
            <Value>1540232</Value>
        </Identity>
        <Job>
            <ID>426071</ID>
            <Status>INPROGRESS</Status>
        </Job>
        <Code>200</Code>
        <Message>The Service Order Modified Successfully and Deployment is in
Progress. Please check the status using the JOB ID.</Message>
    </Status>
</Data>

```

Force Upload a Service Definition

This request is used to overwrite service definitions that were recovered using the service recovery feature and do not contain the changes made through CLI configuration or through templates.

| | |
|----------------|---|
| URI | /api/space/nsas/service-management/service-recovery/service-templates |
| HTTP Method | POST |
| Consumes | application/vnd.net.juniper.space.service-management.service-recovery-status+xml;version=2 |
| Content Type | application/vnd.net.juniper.space.service-management.service-template+xml;version=2;charset=UTF-8 |
| Produces | Modify a service |
| Example | http://IP address/api/space/nsas/service-management/service-recovery/service-templates |
| Validation URL | /api/space/nsas/service-management/service-recovery/service-templates?validation=true |

Request Body

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceTemplateRecoveryProfile>
    <ServiceRecoveryProfileTypes>
      <ServiceId>9535539</ServiceId>
      <ServiceRecoveryDevices>
        <DeviceId>6389817</DeviceId>
        <Endpoints>
          <Endpoint>ge-0/0/9.51</Endpoint>
        </Endpoints>
        <Endpoints>
          <Endpoint>ge-0/1/0.55</Endpoint>
        </Endpoints>
      </ServiceRecoveryDevices>
    </ServiceRecoveryProfileTypes>
  </ServiceTemplateRecoveryProfile>
</Data>
```

Response Body

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceTemplateRecoveryRequest</Type>
      <Value>3276827</Value>
    </Identity>
    <Job>
      <ID>3276827</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Request Created Successfully. Please check the status
using the JOB ID.</Message>
  </Status>
</Data>
```

CFM Profiles Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director Connectivity Fault Management (CFM) Profiles Management RESTful Web Services.

Get All CFM Profiles for E-Line Services

This request is used to retrieve all the configured CFM profiles.

| | |
|-------------|--|
| URI | api/space/nsas/cfm-profiles/ service-management/service-definitions |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. cfm-profile+xml |
| Produces | Retrieves all the CFM profiles. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="5">
    <OAMPProfiles>
      <CFMProfile
href="/api/space/nsas/cfm-profiles/service-management/service-definitions/163857"
uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/163857"
key="163857">
        <Common>
          <Name>dgsfdg</Name>
          <Identity>163857</Identity>
          <State>Published</State>
          <CreatedDate>2013-01-10T00:05:39.000+05:30</CreatedDate>
          <LastUpdatedDate>2013-01-10T00:05:39.000+05:30</LastUpdatedDate>
          <CreatedBy>super</CreatedBy>
        </Common>
        <CFMDomain>
          <DomainName>fsg</DomainName>
          <DomainLevel>1</DomainLevel>
          <RemoteMEP>false</RemoteMEP>
          <DefinitionType>MEP</DefinitionType>
        </CFMDomain>
      </CFMProfile>
    </OAMPProfiles>
    <OAMPProfiles>
      <CFMProfile
href="/api/space/nsas/cfm-profiles/service-management/service-definitions/131072"
uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/131072"
key="131072">
        <Common>
          <Name>erfe</Name>
          <Identity>131072</Identity>
          <State>Published</State>
          <CreatedDate>2013-01-09T00:53:33.000+05:30</CreatedDate>
          <LastUpdatedDate>2013-01-09T00:53:33.000+05:30</LastUpdatedDate>
          <CreatedBy>super</CreatedBy>
        </Common>
        <CFMDomain>
          <DomainName>er</DomainName>
          <DomainLevel>1</DomainLevel>
          <RemoteMEP>false</RemoteMEP>

```

```

<DefinitionType>MEP</DefinitionType>
</CFMDomain>
</CFMProfile>
</OAMPProfiles>
<OAMPProfiles>
<CFMProfile
href="/api/space/nsas/cfm-profiles/service-management/service-definitions/163840"
uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/163840"
key="163840">
<Common>
<Name>fg</Name>
<Identity>163840</Identity>
<State>Published</State>
<CreatedDate>2013-01-09T19:48:10.000+05:30</CreatedDate>
<LastUpdatedDate>2013-01-09T19:48:10.000+05:30</LastUpdatedDate>
<CreatedBy>super</CreatedBy>
</Common>
<CFMDomain>
<DomainName>sgf</DomainName>
<DomainLevel>1</DomainLevel>
<RemoteMEP>false</RemoteMEP>
<DefinitionType>MEP</DefinitionType>
</CFMDomain>
</CFMProfile>
</OAMPProfiles>
<OAMPProfiles>
<CFMProfile
href="/api/space/nsas/cfm-profiles/service-management/service-definitions/1"
uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/1"
key="1">
<Common>
<Name>StdDef-CFMPort</Name>
<Identity>1</Identity>
<State>Published</State>
<Comments>Predefined definition for CFM session on physical
interfaces</Comments>
<CreatedDate>2013-01-08T00:18:12.000+05:30</CreatedDate>
<LastUpdatedDate>2013-01-08T00:18:12.000+05:30</LastUpdatedDate>
<CreatedBy>super</CreatedBy>
</Common>
<CFMDomain>
<DomainName>Default-Domain</DomainName>

```

```
<DomainLevel>7</DomainLevel>
<RemoteMEP>>false</RemoteMEP>
<DefinitionType>MEP</DefinitionType>
</CFMDomain>
</CFMProfile>
</OAMProfiles>
<OAMProfiles>
<CFMProfile
href="/api/space/nsas/cfm-profiles/service-management/service-definitions/17"
uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/17"
key="17">
<Common>
<Name>StdDef-CFMService</Name>
<Identity>17</Identity>
<State>Published</State>
<Comments>Predefined definition for CFM session on Ethernet
services</Comments>
<CreateDate>2013-01-08T00:18:12.000+05:30</CreateDate>
<LastUpdatedDate>2013-01-08T00:18:12.000+05:30</LastUpdatedDate>
<CreatedBy>super</CreatedBy>
</Common>
<CFMDomain>
<DomainName>Default-Domain</DomainName>
<DomainLevel>1</DomainLevel>
<RemoteMEP>>false</RemoteMEP>
<DefinitionType>MEP</DefinitionType>
</CFMDomain>
</CFMProfile>
</OAMProfiles>
</ServiceResource>
</Data>
```

Get All CFM Profiles for E-Line and E-LAN Services

This request is used to retrieve all the CFM profiles attached to E-Line and E-LAN services.

| | |
|-------------|---|
| URI | api/space/nsas/cfm-profiles/service-management/ service-definitions/NA |
| HTTP Method | GET |

| | |
|----------|--|
| Consumes | application/vnd.net.juniper.space.service-management.service-definitions+xml |
| Produces | Retrieves all the CFM profiles attached to E-Line and E-LAN services. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="1">
    <OAMDesign>
      <OAMProfile key="21"
uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/21"
href="/api/space/nsas/cfm-profiles/service-management/service-definitions/21">

        <Common>
          <Name>StdDef-CFMSERVICE</Name>
          <Identity>21</Identity>
          <State>Published</State>
          <Comments>Predefined definition for CFM session on Ethernet
services</Comments>
          <CreateDate>2015-08-26T19:42:24.000+05:30</CreateDate>
          <LastUpdatedDate>2015-08-26T19:42:24.000+05:30</LastUpdatedDate>

          <CreatedBy>super</CreatedBy>
        </Common>
        <Type>CFM</Type>
        <CFMDomain>
          <DomainName>Default-Domain</DomainName>
          <DomainLevel>1</DomainLevel>
          <RemoteMEP>false</RemoteMEP>
          <DefinitionType>MEP</DefinitionType>
        </CFMDomain>
      </OAMProfile>
    </OAMDesign>
  </ServiceResource>
</Data>
```

Get CFM Profiles By Profile ID for E-Line Services

This request is used to retrieve a CFM profile based on the profile ID.

| | |
|-------------|---|
| URI | api/space/nsas/cfm-profiles/service-management/service-definitions/{cfm-profile-id} |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.cfm-profile+xml |
| Produces | Retrieves a CFM profile based on the profile ID. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <OAMPProfiles>
      <CFMProfile
href="/api/space/nsas/cfm-profiles/service-management/service-definitions/17"
uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/17"
key="17">
        <Common>
          <Name>StdDef-CFMSERVICE</Name>
          <Identity>17</Identity>
          <State>Published</State>
          <Comments>Predefined definition for CFM session on Ethernet
services</Comments>
          <CreatedDate>2013-01-08T00:18:12.000+05:30</CreatedDate>
          <LastUpdatedDate>2013-01-08T00:18:12.000+05:30</LastUpdatedDate>
          <CreatedBy>super</CreatedBy>
        </Common>
        <CFMDomain>
          <DomainName>Default-Domain</DomainName>
          <DomainLevel>1</DomainLevel>
          <RemoteMEP>false</RemoteMEP>
          <DefinitionType>MEP</DefinitionType>
        </CFMDomain>
```

```
<CCSettings>
<HoldInterval Editable="true">10</HoldInterval>
<LossThreshold Editable="true">3</LossThreshold>
<MessageInterval Editable="true">1s</MessageInterval>
<InterfaceStatus Editable="true">false</InterfaceStatus>
<PortStatusTLV Editable="true">false</PortStatusTLV>
<ProtectionOviTLV Editable="true">false
</ProtectionOviTLV>
</CCSettings>
<MEPSettings>
<MEPId>Auto pick</MEPId>
<Direction Editable="true">up</Direction>
<Priority Editable="true">0</Priority>
<AcceptCCMesgFromRemoteMEP>true</AcceptCCMesgFromRemoteMEP>
</MEPSettings>
</CFMProfile>
</OAMPProfiles>
</ServiceResource>
</Data>
```

Get an E-Line Service Order with CFM Profiles

This request is used to retrieve an E-Line service order with a CFM profile.

| | |
|-------------|--|
| URI | api/space/nsas/elan-ptp/service-management/service-orders/ <service-order-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-order+xml |
| Produces | Retrieves an E-Line service order with a CFM profile. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/eline-ptp/service-management/service-orders/1967021"
      uri="/api/space/nsas/eline-ptp/service-management/service-orders/1967021"
      key="1967021">
        <Common>
          <Name>afa</Name>
          <Identity>1967021</Identity>
          <State>Validated</State>
          <CreatedDate>2013-01-11T17:52:09.000+05:30</CreatedDate>
          <LastUpdatedDate>2013-01-11T17:52:07.000+05:30</LastUpdatedDate>
          <CreatedBy>super</CreatedBy>
        </Common>
        <ServiceType>Point-to-Point Pseudowire</ServiceType>
        <Signaling>BGP</Signaling>
        <Action>Provisioning</Action>
        <CFMProfile
          href="/api/space/nsas/cfm-profiles/service-management/service-definitions/163840"
          uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/163840"
          key="163840" />
        <ServiceEndPointGroup>
          <DeviceInfo>
            <NA href="/api/space/nsas/device-roles/pe-devices/589839"
              uri="/api/space/nsas/deviceroles/
              pe-devices/589839"
              key="589839">
              <DeviceName>kochin</DeviceName>
              <DeviceID>589839</DeviceID>
            </NA>
          </DeviceInfo>
          <ServiceEndPoint>
            <InterfaceName>lt-0/2/10</InterfaceName>
            <ServiceEndpointConfiguration
              xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
              xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
              <EndPointCategory>PTP</EndPointCategory>
              <TrafficType>Transport using port</TrafficType>
              <PhysicalEncapsulation>ethernet-ccc</PhysicalEncapsulation>
              <UNIDescription>N/A</UNIDescription>
              <VlanId>0</VlanId>
            </ServiceEndpointConfiguration>
          </ServiceEndPoint>
        </ServiceEndPointGroup>
      </ServiceOrder>
    </ServiceResource>
  </Data>

```

```

<Bandwidth unit="Mbps">10</Bandwidth>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DeviceInfo>
<NA href="/api/space/nsas/device-roles/pe-devices/589904"
uri="/api/space/nsas/deviceroles/
pe-devices/589904"
key="589904">
<DeviceName>embassy</DeviceName>
<DeviceID>589904</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge-1/0/7</InterfaceName>
<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
<EndPointCategory>PTP</EndPointCategory>
<TrafficType>Transport using port</TrafficType>
<PhysicalEncapsulation>ethernet-ccc</PhysicalEncapsulation>
<UNIDescription>N/A</UNIDescription>
<VlanId>0</VlanId>
<Bandwidth unit="Mbps">10</Bandwidth>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
<RouteTarget>100:114716</RouteTarget>
<RouteDistinguisher>100:114742</RouteDistinguisher>
</ServiceOrderParameter>
<Reference>
<Customer key="590022"
href="/api/space/nsas/customer-management/customers/590022"
uri="/api/space/nsas/customer-management/customers/590022" />
<ServiceDefinition>
<ServiceDefinitionID key="360481"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/360481"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/360481"
/>

```

```
</ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Get an E-Line Service Order with XPath Attributes

This request is used to retrieve an E-Line service order with XPath attributes.

| | |
|-------------|--|
| URI | api/space/nsas/elan-ntp/service-management/service-orders/ <service-order-Id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-order+xml |
| Produces | Retrieves an E-Line service order with an XPath tag. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder key="458865"
uri="/api/space/nsas/eline-ntp/service-management/service-orders/458865"
href="/api/space/nsas/eline-ntp/service-management/service-orders/458865">
      <Common>
        <Name>Test_BGPSO_1DefTemp_API</Name>
        <Identity>458865</Identity>
        <State>Validated</State>
        <CreatedDate>2015-02-12T19:21:54.000+05:30</CreatedDate>
        <LastUpdatedDate>2015-02-12T19:21:54.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
```

```

</Common>
<ServiceType>BGP</ServiceType>
<Signaling>BGP</Signaling>
<Action>Provisioning</Action>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="524393" uri="/api/space/nsas/device-roles/pe-devices/524393"
href="/api/space/nsas/device-roles/pe-devices/524393">
      <DeviceName>junos-spacel</DeviceName>
      <DeviceID>524393</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/7</InterfaceName>
    <ServiceTemplates>
      <ServiceTemplate
href="/api/space/nsas/eline-ptp/service-management/service-templates/66311"
uri="/api/space/nsas/eline-ptp/service-management/service-templates/66311"
key="66311">
        <ID>66311</ID>
      </ServiceTemplate>
      <ServiceTemplate
href="/api/space/nsas/eline-ptp/service-management/service-templates/6357015"
uri="/api/space/nsas/eline-ptp/service-management/service-templates/6357015"
key="6357015">
        <ID>6357015</ID>
        <ConfigParams>
          <Name>Description</Name>
          <DataType>String</DataType>
          <Description>Text description of interface</Description>
          <OperatorVisibility>Editable</OperatorVisibility>
          <Value>DemoDescription</Value>
          <SetofValues/>
          <Xpath>/configuration/cpl/interface/description</Xpath>
          <Decommission>>false</Decommission>
          <SvcSpecificValue>>false</SvcSpecificValue>
          <ConfigPageName>cpl</ConfigPageName>
          <Validation/>
        </ConfigParams>
      </ServiceTemplate>
    </ServiceTemplates>
  </ServiceEndPoint>

```

```

    </ServiceEndPointGroup>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <NA key="524357" uri="/api/space/nsas/device-roles/pe-devices/524357"
href="/api/space/nsas/device-roles/pe-devices/524357">
          <DeviceName>junos-space2</DeviceName>
          <DeviceID>524357</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-0/1/6</InterfaceName>
        <ServiceTemplates>
          <ServiceTemplate
href="/api/space/nsas/eline-ptp/service-management/service-templates/66311"
uri="/api/space/nsas/eline-ptp/service-management/service-templates/66311"
key="66311">
            <ID>66311</ID>
          </ServiceTemplate>
          <ServiceTemplate
href="/api/space/nsas/eline-ptp/service-management/service-templates/66317"
uri="/api/space/nsas/eline-ptp/service-management/service-templates/66317"
key="66317">
            <ID>66317</ID>
            <ConfigParams>
              <Name>Name</Name>
              <Value>testname</Value>
              <Decommission>>false</Decommission>
              <SvcSpecificValue>>false</SvcSpecificValue>
              <ConfigPageName>cpl</ConfigPageName>
            </ConfigParams>
          </ServiceTemplate>
        </ServiceTemplates>
      </ServiceEndPoint>
    </ServiceEndPointGroup>
    <Reference>
      <Customer uri="/api/space/nsas/customer-management/customers/524288"
href="/api/space/nsas/customer-management/customers/524288" key="524288"/>
      <ServiceDefinition>
        <ServiceDefinitionID
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/458825"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/458825"
key="458825"/>

```

```

    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Get an E-Line Service with CFM Profiles

This request is used to retrieve an E-Line service with a CFM profile.

| | |
|-------------|---|
| URI | api/space/nsas/elan-ptp/service-management/service-orders/ <service-Id > |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service- management.service+xml |
| Produces | Retrieves an E-Line service with a CFM profile. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service
      href="/api/space/nsas/eline-ptp/service-management/services/1640245"
      uri="/api/space/nsas/eline-ptp/service-management/services/1640245"
      key="1640245">
      <Common>
        <Name>4tew</Name>
        <Identity>1640245</Identity>
        <State>Deployed</State>
        <CreatedDate>2013-01-11T01:09:07.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-01-11T04:01:14.000+05:30</LastUpdatedDate>
```

```

</Common>
<ServiceType>LDP</ServiceType>
<CFMProfile
href="/api/space/nsas/cfm-profiles/service-management/service-definitions/163840"
uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/163840"
key="163840" />
<AuditFlag>
<FunctionalAudit>Pending</FunctionalAudit>
<FaultStatus>None</FaultStatus>
</AuditFlag>
<ServiceEndPointGroup>
<DeviceInfo>
<NA href="/api/space/nsas/device-roles/pe-devices/589839"
uri="/api/space/nsas/deviceroles/
pe-devices/589839"
key="589839">
<DeviceName>kochin</DeviceName>
<DeviceID>589839</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge-0/0/9.9</InterfaceName>
<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterServiceType">
<EndPointCategory>PTP</EndPointCategory>
<TrafficType>QINQ Transport all traffic</TrafficType>
<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
<LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
<UNIDescription>N/A</UNIDescription>
<OuterTPID>None</OuterTPID>
<VlanId>9</VlanId>
<MTU>1522</MTU>
<Bandwidth unit="Mbps">100</Bandwidth>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
<ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndPointGroupParameterServiceType">
<PEDevice_LoopBackIP>50.1.2.1</PEDevice_LoopBackIP>
<PEDevice_NeighborIP>127.0.0.1/32</PEDevice_NeighborIP>
</ServiceEndPointGroupParameter>

```

```

</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DeviceInfo>
<NA href="/api/space/nsas/device-roles/pe-devices/589904"
uri="/api/space/nsas/deviceroles/
pe-devices/589904"
key="589904">
<DeviceName>embassy</DeviceName>
<DeviceID>589904</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>xe-0/0/1.1</InterfaceName>
<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterServiceType">
<EndPointCategory>PTP</EndPointCategory>
<TrafficType>QINQ Transport all traffic</TrafficType>
<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
<LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
<UNIDescription>N/A</UNIDescription>
<OuterTPID>None</OuterTPID>
<VlanId>1</VlanId>
<MTU>1522</MTU>
<Bandwidth unit="Mbps">100</Bandwidth>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
<ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
<PEDevice_LoopBackIP>127.0.0.1/32</PEDevice_LoopBackIP>
<PEDevice_NeighborIP>50.1.2.1</PEDevice_NeighborIP>
</ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
<ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterServiceType" />
<Reference>
<ServiceOrder key="1640238"
href="/api/space/nsas/eline-ptp/service-management/service-orders/1640238"
uri="/api/space/nsas/eline-ptp/service-management/service-orders/1640238" />
<ServiceDefinition>
<ServiceDefinitionID key="295140"

```

```
href="/api/space/nsas/eline-ntp/service-management/service-definitions/295140"
uri="/api/space/nsas/eline-ntp/service-management/service-definitions/295140"
/>
</ServiceDefinition>
<Customer key="590022"
href="/api/space/nsas/customer-management/customers/590022"
uri="/api/space/nsas/customer-management/customers/590022" />
</Reference>
</Service>
</ServiceResource>
</Data>
```

Create an E-Line Service Order with CFM Profiles

This request is used to define an E-Line service order with a CFM profile.

| | |
|--------------|---|
| URI | api/space/nsas/elan-ntp/service-management/ service-orders |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management. service-order-status+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order+xml |
| Produces | Creates an E-Line service order with a CFM profile. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource>
```

```

<ServiceOrder>
  <Common>
    <Name>P2P-BGP1</Name>
  </Common>
  <ServiceType>Point-to-Point Pseudowire</ServiceType>
  <Signaling>BGP</Signaling>
  <Action>Provisioning</Action>
  <CFMPProfile key="163840" />
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA>
        <DeviceName>kochin</DeviceName>
        <DeviceID>589839</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-0/3/7</InterfaceName>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA>
        <DeviceName>embassy</DeviceName>
        <DeviceID>589904</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-1/0/6</InterfaceName>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <Reference>
    <Customer key="590022" />
    <ServiceDefinition>
      <ServiceDefinitionID key="360481" />
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
  <Action>SaveAndDeployNow</Action>
</CustomAction>

```

```
</Data>
```

Modify an E-Line Service for Adding CFM Profiles

This request is used to modify an E-Line service by adding a CFM profile.

| | |
|--------------|---|
| URI | api/space/nsas/elan-ntp/service-management/ services/{service-id} |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management. modify-service+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml |
| Produces | Modifies an E-Line service by adding a CFM profile. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>p2ptestlmodify</Name>
      </Common>
      <CFMProfile key="163840" />
      <AuditFlag>
        <FunctionalAudit>Down</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
      </AuditFlag>
    </ServiceOrder>
  </ServiceResource>
</Data>
```

```
<ServiceEndPointGroup>
<DeviceInfo>
<NA >
<DeviceName>vjx-junos-mx240-space</DeviceName>
<DeviceID>1212780</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge-0/0/7.2</InterfaceName>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DeviceInfo>
<NA>
<DeviceName>vjx-junos-mx80-1-space</DeviceName>
<DeviceID>1212787</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge-0/0/6.2</InterfaceName>
</ServiceEndPoint>
</ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
</Data>
```

Modify an E-Line Service for Deleting CFM Profiles

This request is used to modify an E-Line service by deleting a CFM profile.

| | |
|--------------|---|
| URI | api/space/nsas/elan-ntp/service-management/ services/{service-id} |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management. modify-service+xml |

| | |
|----------|---|
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml |
| Produces | Modifies an E-Line service by deleting a CFM profile. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>p2ptestlmodify</Name>
      </Common>
      <CFMProfile key="163840" >
        <DisableDefinition>true</DisableDefinition>
      </CFMProfile>
      <AuditFlag>
        <FunctionalAudit>Down</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
      </AuditFlag>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA >
            <DeviceName>vjx-junos-mx240-space</DeviceName>
            <DeviceID>1212780</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/7.2</InterfaceName>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>vjx-junos-mx80-1-space</DeviceName>
            <DeviceID>1212787</DeviceID>
          </NA>
        </DeviceInfo>
```

```
<ServiceEndPoint>
<InterfaceName>ge-0/0/6.2</InterfaceName>
</ServiceEndPoint>
</ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
</Data>
```

View Service Configuration Changes for an E-Line Service with CFM Profiles

This request is used to display the service configuration differences for an E-Line service with a CFM profile.

| | |
|-------------|--|
| URI | api/space/nsas/elan-ntp/service-management/view-serviceconfiguration-change/{service-id} |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service+xml |
| Produces | Displays the service configuration differences for an E-Line service with a CFM profile. |

Output

Sample XML Output

```
<Data>
<AuditResults>
<ServiceConfigurationChangeResult>
<ServiceConfigDeviceEnd>
<DeviceName>kochin</DeviceName>
<Configuration>
<configuration>
<firewall>
```

```

<policer>
<name>policer_in_ge-0/3/7</name>
<if-exceeding>
<bandwidth-limit>10000</bandwidth-limit>
<burst-size-limit>15220</burst-size-limit>
</if-exceeding>
<then>
<discard />
</then>
</policer>
<family>
<ccc>
<filter>
<name>filter_in_ge-0/3/7</name>
<interface-specific />
<term>
<name>1</name>
<then>
<policer>policer_in_ge-
0/3/7</policer>
<accept />
</then>
</term>
</filter>
</ccc>
</family>
</firewall>
<interfaces>
<interface>
<name>ge-0/3/7</name>
<encapsulation>ethernet-ccc</encapsulation>
<unit>
<name>0</name>
<family>
<ccc>
<filter>
<input>filter_in_ge-
0/3/7</input>
</filter>
</ccc>
</family>
</unit>

```

```

</interface>
</interfaces>
<routing-instances>
<instance>
<name>P2P-BGP1</name>
<instance-type>l2vpn</instance-type>
<interface>
<name>ge-0/3/7</name>
</interface>
<route-distinguisher>
<rd-type>100:114715</rd-type>
</route-distinguisher>
<vrf-target>
<community>target:100:114702</community>
</vrf-target>
<protocols>
<l2vpn>
<encapsulationtype>
ethernet</encapsulation-type>
<site>
<name>L2VPN_Site_1</name>
<site-identifier>1</site-identifier>
<interface>
<name>ge-
0/3/7</name>
<remote-siteid>
2</remote-site-id>
</interface>
</site>
</l2vpn>
</protocols>
</instance>
</routing-instances>
</configuration>
</Configuration>
<TempConfiguration>
<configuration>
<protocols>
<oam>
<ethernet>
<connectivity-fault-management>
<maintenance-domain>

```

```

<name>sgf</name>
<maintenance-association>
<name>PW_100:114715</name>
<continuity-check>
<holdinterval>
1</hold-interval>
<interval>1s</interval>
<lossthreshold>
3</loss-threshold>
</continuity-check>
<mep>
<name>1</name>
<autodiscovery
/>
<direction>up</direction>
<interface>
<interface-name>ge-0/3/7.0</interface-name>
</interface>
<lowestpriority-
defect>all-defects
</lowestpriority-
defect>
</mep>
</maintenance-association>
<level>1</level>
</maintenance-domain>
</connectivity-fault-management>
</ethernet>
</oam>
</protocols>
</configuration>
</TempConfiguration>
</ServiceConfigDeviceEnd>
<ServiceConfigDeviceEnd>
<DeviceName>embassy</DeviceName>
<Configuration>
<configuration>
<firewall>
<policer>
<name>policer_in_ge-1/0/6</name>
<if-exceeding>
<bandwidth-limit>10000</bandwidth-limit>

```

```

<burst-size-limit>15220</burst-size-limit>
</if-exceeding>
<then>
<discard />
</then>
</policer>
<family>
<ccc>
<filter>
<name>filter_in_ge-1/0/6</name>
<interface-specific />
<term>
<name>1</name>
<then>
<policer>policer_in_ge-
1/0/6</policer>
<accept />
</then>
</term>
</filter>
</ccc>
</family>
</firewall>
<interfaces>
<interface>
<name>ge-1/0/6</name>
<encapsulation>ethernet-ccc</encapsulation>
<unit>
<name>0</name>
<family>
<ccc>
<filter>
<input>filter_in_ge-
1/0/6</input>
</filter>
</ccc>
</family>
</unit>
</interface>
</interfaces>
<routing-instances>
<instance>

```

```

<name>P2P-BGP1</name>
<instance-type>l2vpn</instance-type>
<interface>
<name>ge-1/0/6</name>
</interface>
<route-distinguisher>
<rd-type>100:114715</rd-type>
</route-distinguisher>
<vrf-target>
<community>target:100:114702</community>
</vrf-target>
<protocols>
<l2vpn>
<encapsulationtype>
ethernet</encapsulation-type>
<site>
<name>L2VPN_Site_2</name>
<site-identifier>2</site-identifier>
<interface>
<name>ge-
1/0/6</name>
<remote-siteid>
1</remote-site-id>
</interface>
</site>
</l2vpn>
</protocols>
</instance>
</routing-instances>
</configuration>
</Configuration>
<TempConfiguration>
<configuration>
<protocols>
<oam>
<ethernet>
<connectivity-fault-management>
<maintenance-domain>
<name>sgf</name>
<maintenance-association>
<name>PW_100:114715</name>
<continuity-check>

```

```

<holdinterval>
1</hold-interval>
<interval>1s</interval>
<lossthreshold>
3</loss-threshold>
</continuity-check>
<mep>
<name>2</name>
<autodiscovery
/>
<direction>up</direction>
<interface>
<interface-name>ge-1/0/6.0</interface-name>
</interface>
<lowestpriority-
defect>all-defects
</lowestpriority-
defect>
</mep>
</maintenance-association>
<level>1</level>
</maintenance-domain>
</connectivity-fault-management>
</ethernet>
</oam>
</protocols>
</configuration>
</TempConfiguration>
</ServiceConfigDeviceEnd>
</ServiceConfigurationChangeResult>
</AuditResults>
</Data>

```

View Functional Audit Results for an E-Line Service with CFM Profiles

This request is used to view the functional audit results for an E-Line service with CFM profiles.

| | |
|-------------|---|
| URI | api/space/nsas/elan-ntp/service-management/view-functional-audit/{service-id} |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.functional-audit+xml |
| Produces | Displays the functional audit results with CFM profiles in a service. |

Output

Sample XML Output

```
<Data>
  <AuditResults>
    <FunctionalAuditResult>
      <Common>
        <Name>P2P-No-CFM</Name>
        <Identity>1311423</Identity>
        <State>Deployed</State>
      </Common>
      <ServiceType>ELINEMartini</ServiceType>
      <OperationState>Down</OperationState>
      <ServiceDefinitionName>ELine-QinQ-AllVLAN</ServiceDefinitionName>
      <DeviceEnd>
        <DeviceName>ge-0/0/7 vjx-junos-mx240-space</DeviceName>
        <Topology>P2P</Topology>
        <OperationState>Down</OperationState>
      </DeviceEnd>
      <ControlPlaneParams>
        <ControlPanelCommand>
          <Command>get-l2ckt-connection-information</Command>
          <RemoteEndpoint>ge-0/0/5 vjx-junos-mx80-1-space</RemoteEndpoint>
          <Result>Status: probably configuration missing on device </Result>
        </ControlPanelCommand>
      </ControlPlaneParams>
    </FunctionalAuditResult>
  </AuditResults>
</Data>
```

```

<DataPlaneParams>
<Command>request-ping-l2circuit-virtual-circuit</Command>
<Result>Status: probably configuration missing on device </Result>
</DataPlaneParams>
<ServiceStatistics>
<Command>show interfaces ge-0/0/7.3 statistics</Command>
<RemoteLoopbackIP>40.1.255.1</RemoteLoopbackIP>
<VCID>2147467278</VCID>
</ServiceStatistics>
</RemoteEnd>
</DeviceEnd>
<DeviceEnd>
<DeviceName>ge-0/0/5 vjx-junos-mx80-1-space</DeviceName>
<Topology>P2P</Topology>
<OperationState>Down</OperationState>
<RemoteEnd>
<ControlPlaneParams>
<ControlPanelCommand>
<Command>get-l2ckt-connection-information</Command>
<RemoteEndpoint>ge-0/0/7 vjx-junos-mx240-space</RemoteEndpoint>
<Result>Status: probably configuration missing on device </Result>
</ControlPanelCommand>
</ControlPlaneParams>
<DataPlaneParams>
<Command>request-ping-l2circuit-virtual-circuit</Command>
<Result>Status: probably configuration missing on device </Result>
</DataPlaneParams>
<ServiceStatistics>
<Command>show interfaces ge-0/0/5.1 statistics</Command>
<RemoteLoopbackIP>40.1.255.8</RemoteLoopbackIP>
<VCID>2147467278</VCID>
</ServiceStatistics>
</RemoteEnd>
</DeviceEnd>
<TroubleshootResult
href="/api/space/nsas/eline-ptp/service-management/services/view-troubleshoot-results/1311423"
uri="/api/space/nsas/eline-ptp/service-management/services/view-troubleshoot-results/1311423"
/>
</FunctionalAuditResult>
</AuditResults>
</Data>

```

View Troubleshooting Results for an E-Line Service with CFM Profiles

This request is used to display the troubleshooting results for an E-Line service with a CFM profile.

| | |
|-------------|---|
| URI | api/space/nsas/elan-ptp/service-management/ view-troubleshooting-results /{service-id} |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service+xml |
| Produces | Displays the troubleshooting results for an E-Line service with a CFM profile. |

Output

Sample XML Output

```
<Data>
<AuditResults>
<TroubleshootResult>
<DeviceEnd>
<DeviceName>kochin</DeviceName>
<CommandResult>
<Protocol>
<UNI>
<CommandDetails>
<Command>show l2vpn connections instance P2PBGFP1</
Command>
<Results>
<Message>Probably configuration missing on
device.</Message>
</Results>
```

```

</CommandDetails>
<CommandDetails>
<Command>show interfaces ge-0/3/7.0 terse</Command>
<Results>
<Row>
<Parameter>
<Name>Interface</Name>
<Value> ge-0/3/7.0 </Value>
</Parameter>
<Parameter>
<Name>Link</Name>
<Value> down </Value>
</Parameter>
<Parameter>
<Name>Admin</Name>
<Value> up </Value>
</Parameter>
</Row>
</Results>
</CommandDetails>
<CommandDetails>
<Command>show interfaces ge-0/3/7.0 statistics</Command>
<Results>
<Row>
<Parameter>
<Name>Interface</Name>
<Value />
</Parameter>
<Parameter>
<Name>Input packets</Name>
<Value />
</Parameter>
<Parameter>
<Name>Output packets</Name>
<Value />
</Parameter>
</Row>
</Results>
</CommandDetails>
<CommandDetails>
<Command>show interfaces ge-0/3/7.0 terse</Command>
<Results>

```

```

<Row>
  <Parameter>
    <Name>Interface</Name>
    <Value> ge-0/3/7.0 </Value>
  </Parameter>
  <Parameter>
    <Name>Link</Name>
    <Value> down </Value>
  </Parameter>
  <Parameter>
    <Name>Admin</Name>
    <Value> up </Value>
  </Parameter>
</Row>
</Results>
</CommandDetails>
</UNI>
<MPLS>
  <CommandDetails>
    <Command>show bgp summary instance P2PBGPl</
Command>
  <Results>
    <Message>Probably configuration missing on
device.</Message>
  </Results>
</CommandDetails>
<CommandDetails>
  <Command>show mpls lsp ingress</Command>
  <Results>
    <Row>
      <Parameter>
        <Name>LSP Name</Name>
        <Value>kochin-to-jaipur</Value>
      </Parameter>
      <Parameter>
        <Name>State</Name>
        <Value>Dn</Value>
      </Parameter>
      <Parameter>
        <Name>To</Name>
        <Value>50.1.2.2</Value>
      </Parameter>

```

```

<Parameter>
<Name>From</Name>
<Value>50.1.2.1</Value>
</Parameter>
</Row>
<Row>
<Parameter>
<Name>LSP Name</Name>
<Value>kochin-to-exora</Value>
</Parameter>
<Parameter>
<Name>State</Name>
<Value>Up</Value>
</Parameter>
<Parameter>
<Name>To</Name>
<Value>50.1.2.3</Value>
</Parameter>
<Parameter>
<Name>From</Name>
<Value>50.1.2.1</Value>
</Parameter>
</Row>
<Row>
<Parameter>
<Name>LSP Name</Name>
<Value>kochin-toembassy</
Value>
</Parameter>
<Parameter>
<Name>State</Name>
<Value>Dn</Value>
</Parameter>
<Parameter>
<Name>To</Name>
<Value>50.1.2.4</Value>
</Parameter>
<Parameter>
<Name>From</Name>
<Value>50.1.2.1</Value>
</Parameter>
</Row>

```

```

</Results>
</CommandDetails>
<CommandDetails>
<Command>show mpls lsp egress</Command>
<Results>
<Row>
<Parameter>
<Name>LSP Name</Name>
<Value>embassy-tokochin</
Value>
</Parameter>
<Parameter>
<Name>State</Name>
<Value>Up</Value>
</Parameter>
<Parameter>
<Name>To</Name>
<Value>50.1.2.1</Value>
</Parameter>
<Parameter>
<Name>From</Name>
<Value>50.1.2.4</Value>
</Parameter>
</Row>
<Row>
<Parameter>
<Name>LSP Name</Name>
<Value>jaipur-to-kochin</Value>
</Parameter>
<Parameter>
<Name>State</Name>
<Value>Up</Value>
</Parameter>
<Parameter>
<Name>To</Name>
<Value>50.1.2.1</Value>
</Parameter>
<Parameter>
<Name>From</Name>
<Value>50.1.2.2</Value>
</Parameter>
</Row>

```

```

<Row>
<Parameter>
<Name>LSP Name</Name>
<Value>exora-to-kochin</Value>
</Parameter>
<Parameter>
<Name>State</Name>
<Value>Up</Value>
</Parameter>
<Parameter>
<Name>To</Name>
<Value>50.1.2.1</Value>
</Parameter>
<Parameter>
<Name>From</Name>
<Value>50.1.2.3</Value>
</Parameter>
</Row>
</Results>
</CommandDetails>
</MPLS>
<ROUTE>
<CommandDetails>
<Command>show ldp session</Command>
<Results>
<Row>
<Parameter>
<Name>Hold Time</Name>
<Value>22</Value>
</Parameter>
<Parameter>
<Name>State</Name>
<Value>Operational</Value>
</Parameter>
<Parameter>
<Name>Address</Name>
<Value>10.216.114.109</Value>
</Parameter>
<Parameter>
<Name>Connection
State</Name>
<Value>Open</Value>

```

```

</Parameter>
</Row>
<Row>
<Parameter>
<Name>Hold Time</Name>
<Value>29</Value>
</Parameter>
<Parameter>
<Name>State</Name>
<Value>Operational</Value>
</Parameter>
<Parameter>
<Name>Address</Name>
<Value>10.216.114.112</Value>
</Parameter>
<Parameter>
<Name>Connection
State</Name>
<Value>Open</Value>
</Parameter>
</Row>
<Row>
<Parameter>
<Name>Hold Time</Name>
<Value>28</Value>
</Parameter>
<Parameter>
<Name>State</Name>
<Value>Operational</Value>
</Parameter>
<Parameter>
<Name>Address</Name>
<Value>50.1.2.3</Value>
</Parameter>
<Parameter>
<Name>Connection
State</Name>
<Value>Open</Value>
</Parameter>
</Row>
</Results>
</CommandDetails>

```

```

<CommandDetails>
<Command>show rsvp session ingress</Command>
<Results>
<Row>
<Parameter>
<Name>LSP Name</Name>
<Value>kochin-to-jaipur</Value>
</Parameter>
<Parameter>
<Name>State</Name>
<Value>Dn</Value>
</Parameter>
<Parameter>
<Name>To</Name>
<Value>50.1.2.2</Value>
</Parameter>
<Parameter>
<Name>Lablein</Name>
<Value>-</Value>
</Parameter>
<Parameter>
<Name>Lableout</Name>
<Value>-</Value>
</Parameter>
<Parameter>
<Name>From</Name>
<Value>50.1.2.1</Value>
</Parameter>
</Row>
<Row>
<Parameter>
<Name>LSP Name</Name>
<Value>kochin-to-exora</Value>
</Parameter>
<Parameter>
<Name>State</Name>
<Value>Up</Value>
</Parameter>
<Parameter>
<Name>To</Name>
<Value>50.1.2.3</Value>
</Parameter>

```

```

<Parameter>
<Name>Lablein</Name>
<Value>--</Value>
</Parameter>
<Parameter>
<Name>Lableout</Name>
<Value>3</Value>
</Parameter>
<Parameter>
<Name>From</Name>
<Value>50.1.2.1</Value>
</Parameter>
</Row>
<Row>
<Parameter>
<Name>LSP Name</Name>
<Value>kochin-toembassy</
Value>
</Parameter>
<Parameter>
<Name>State</Name>
<Value>Dn</Value>
</Parameter>
<Parameter>
<Name>To</Name>
<Value>50.1.2.4</Value>
</Parameter>
<Parameter>
<Name>Lablein</Name>
<Value>--</Value>
</Parameter>
<Parameter>
<Name>Lableout</Name>
<Value>--</Value>
</Parameter>
<Parameter>
<Name>From</Name>
<Value>50.1.2.1</Value>
</Parameter>
</Row>
</Results>
</CommandDetails>

```

```

<CommandDetails>
<Command>show rsvp session egress</Command>
<Results>
<Row>
<Parameter>
<Name>LSP Name</Name>
<Value>embassy-tokochin</
Value>
</Parameter>
<Parameter>
<Name>State</Name>
<Value>Up</Value>
</Parameter>
<Parameter>
<Name>To</Name>
<Value>50.1.2.1</Value>
</Parameter>
<Parameter>
<Name>Lablein</Name>
<Value>3</Value>
</Parameter>
<Parameter>
<Name>Lableout</Name>
<Value>-</Value>
</Parameter>
<Parameter>
<Name>From</Name>
<Value>50.1.2.4</Value>
</Parameter>
</Row>
<Row>
<Parameter>
<Name>LSP Name</Name>
<Value>jaipur-to-kochin</Value>
</Parameter>
<Parameter>
<Name>State</Name>
<Value>Up</Value>
</Parameter>
<Parameter>
<Name>To</Name>
<Value>50.1.2.1</Value>

```

```

</Parameter>
<Parameter>
<Name>Lablein</Name>
<Value>3</Value>
</Parameter>
<Parameter>
<Name>Lableout</Name>
<Value>-</Value>
</Parameter>
<Parameter>
<Name>From</Name>
<Value>50.1.2.2</Value>
</Parameter>
</Row>
<Row>
<Parameter>
<Name>LSP Name</Name>
<Value>exora-to-kochin</Value>
</Parameter>
<Parameter>
<Name>State</Name>
<Value>Up</Value>
</Parameter>
<Parameter>
<Name>To</Name>
<Value>50.1.2.1</Value>
</Parameter>
<Parameter>
<Name>Lablein</Name>
<Value>3</Value>
</Parameter>
<Parameter>
<Name>Lableout</Name>
<Value>-</Value>
</Parameter>
<Parameter>
<Name>From</Name>
<Value>50.1.2.3</Value>
</Parameter>
</Row>
</Results>
</CommandDetails>

```

```

</ROUTE>
</Protocol>
</CommandResult>
</DeviceEnd>
<DeviceEnd>
<DeviceName>embassy</DeviceName>
<CommandResult>
<Protocol>
<UNI>
<CommandDetails>
<Command>show l2vpn connections instance P2PBGP1</
Command>
<Results>
<Message>Probably configuration missing on
device.</Message>
</Results>
</CommandDetails>
<CommandDetails>
<Command>show interfaces ge-1/0/6.0 terse</Command>
<Results>
<Row>
<Parameter>
<Name>Interface</Name>
<Value />
</Parameter>
<Parameter>
<Name>Link</Name>
<Value />
</Parameter>
<Parameter>
<Name>Admin</Name>
<Value />
</Parameter>
</Row>
</Results>
</CommandDetails>
<CommandDetails>
<Command>show interfaces ge-1/0/6.0 terse</Command>
<Results>
<Row>
<Parameter>
<Name>Interface</Name>

```

```

<Value />
</Parameter>
<Parameter>
<Name>Link</Name>
<Value />
</Parameter>
<Parameter>
<Name>Admin</Name>
<Value />
</Parameter>
</Row>
</Results>
</CommandDetails>
<CommandDetails>
<Command>show interfaces ge-1/0/6.0 statistics</Command>
<Results>
<Row>
<Parameter>
<Name>Interface</Name>
<Value />
</Parameter>
<Parameter>
<Name>Input packets</Name>
<Value />
</Parameter>
<Parameter>
<Name>Output packets</Name>
<Value />
</Parameter>
</Row>
</Results>
</CommandDetails>
</UNI>
<MPLS>
<CommandDetails>
<Command>show bgp summary instance P2PBGP1</
Command>
<Results>
<Message>Probably configuration missing on
device.</Message>
</Results>
</CommandDetails>

```

```

<CommandDetails>
<Command>show mpls lsp ingress</Command>
<Results>
<Row>
<Parameter>
<Name>LSP Name</Name>
<Value>embassy-tokochin</
Value>
</Parameter>
<Parameter>
<Name>State</Name>
<Value>Up</Value>
</Parameter>
<Parameter>
<Name>To</Name>
<Value>50.1.2.1</Value>
</Parameter>
<Parameter>
<Name>From</Name>
<Value>50.1.2.4</Value>
</Parameter>
</Row>
<Row>
<Parameter>
<Name>LSP Name</Name>
<Value>fdgfdgfdgfd</Value>
</Parameter>
<Parameter>
<Name>State</Name>
<Value>Dn</Value>
</Parameter>
<Parameter>
<Name>To</Name>
<Value>50.1.2.1</Value>
</Parameter>
<Parameter>
<Name>From</Name>
<Value>50.1.2.4</Value>
</Parameter>
</Row>
<Row>
<Parameter>

```

```

<Name>LSP Name</Name>
<Value>klg</Value>
</Parameter>
<Parameter>
<Name>State</Name>
<Value>Dn</Value>
</Parameter>
<Parameter>
<Name>To</Name>
<Value>50.1.2.1</Value>
</Parameter>
<Parameter>
<Name>From</Name>
<Value>50.1.2.4</Value>
</Parameter>
</Row>
<Row>
<Parameter>
<Name>LSP Name</Name>
<Value>embassy-tojaipur</
Value>
</Parameter>
<Parameter>
<Name>State</Name>
<Value>Dn</Value>
</Parameter>
<Parameter>
<Name>To</Name>
<Value>50.1.2.2</Value>
</Parameter>
<Parameter>
<Name>From</Name>
<Value>50.1.2.4</Value>
</Parameter>
</Row>
<Row>
<Parameter>
<Name>LSP Name</Name>
<Value>BFD_Push1</Value>
</Parameter>
<Parameter>
<Name>State</Name>

```

```

<Value>Dn</Value>
</Parameter>
<Parameter>
<Name>To</Name>
<Value>50.1.2.2</Value>
</Parameter>
<Parameter>
<Name>From</Name>
<Value>50.1.2.4</Value>
</Parameter>
</Row>
<Row>
<Parameter>
<Name>LSP Name</Name>
<Value>cvxvx</Value>
</Parameter>
<Parameter>
<Name>State</Name>
<Value>Dn</Value>
</Parameter>
<Parameter>
<Name>To</Name>
<Value>50.1.2.2</Value>
</Parameter>
<Parameter>
<Name>From</Name>
<Value>50.1.2.4</Value>
</Parameter>
</Row>
<Row>
<Parameter>
<Name>LSP Name</Name>
<Value>Twatt</Value>
</Parameter>
<Parameter>
<Name>State</Name>
<Value>Dn</Value>
</Parameter>
<Parameter>
<Name>To</Name>
<Value>50.1.2.2</Value>
</Parameter>

```

```

<Parameter>
<Name>From</Name>
<Value>50.1.2.4</Value>
</Parameter>
</Row>
<Row>
<Parameter>
<Name>LSP Name</Name>
<Value>embassy-toexora</
Value>
</Parameter>
<Parameter>
<Name>State</Name>
<Value>Up</Value>
</Parameter>
<Parameter>
<Name>To</Name>
<Value>50.1.2.3</Value>
</Parameter>
<Parameter>
<Name>From</Name>
<Value>50.1.2.4</Value>
</Parameter>
</Row>
<Row>
<Parameter>
<Name>LSP Name</Name>
<Value>sadsad</Value>
</Parameter>
<Parameter>
<Name>State</Name>
<Value>Dn</Value>
</Parameter>
<Parameter>
<Name>To</Name>
<Value>50.1.2.3</Value>
</Parameter>
<Parameter>
<Name>From</Name>
<Value>50.1.2.4</Value>
</Parameter>
</Row>

```

```

<Row>
  <Parameter>
    <Name>LSP Name</Name>
    <Value>ABCTesting</Value>
  </Parameter>
  <Parameter>
    <Name>State</Name>
    <Value>Dn</Value>
  </Parameter>
  <Parameter>
    <Name>To</Name>
    <Value>50.1.2.3</Value>
  </Parameter>
  <Parameter>
    <Name>From</Name>
    <Value>50.1.2.4</Value>
  </Parameter>
</Row>
<Row>
  <Parameter>
    <Name>LSP Name</Name>
    <Value>TestLSP</Value>
  </Parameter>
  <Parameter>
    <Name>State</Name>
    <Value>Dn</Value>
  </Parameter>
  <Parameter>
    <Name>To</Name>
    <Value>50.1.2.3</Value>
  </Parameter>
  <Parameter>
    <Name>From</Name>
    <Value>50.1.2.4</Value>
  </Parameter>
</Row>
</Results>
</CommandDetails>
<CommandDetails>
  <Command>show mpls lsp egress</Command>
  <Results>
    <Row>

```

```

<Parameter>
<Name>LSP Name</Name>
<Value />
</Parameter>
<Parameter>
<Name>State</Name>
<Value />
</Parameter>
<Parameter>
<Name>To</Name>
<Value />
</Parameter>
<Parameter>
<Name>From</Name>
<Value />
</Parameter>
</Row>
</Results>
</CommandDetails>
</MPLS>
<ROUTE>
<CommandDetails>
<Command>show rsvp session egress</Command>
<Results>
<Row>
<Parameter>
<Name>LSP Name</Name>
<Value />
</Parameter>
<Parameter>
<Name>State</Name>
<Value />
</Parameter>
<Parameter>
<Name>To</Name>
<Value />
</Parameter>
<Parameter>
<Name>Lablein</Name>
<Value />
</Parameter>
<Parameter>

```

```

<Name>Lableout</Name>
<Value />
</Parameter>
<Parameter>
<Name>From</Name>
<Value />
</Parameter>
</Row>
</Results>
</CommandDetails>
<CommandDetails>
<Command>show ldp session</Command>
<Results>
<Row>
<Parameter>
<Name>Hold Time</Name>
<Value>23</Value>
</Parameter>
<Parameter>
<Name>State</Name>
<Value>Operational</Value>
</Parameter>
<Parameter>
<Name>Address</Name>
<Value>50.1.2.1</Value>
</Parameter>
<Parameter>
<Name>Connection
State</Name>
<Value>Open</Value>
</Parameter>
</Row>
</Results>
</CommandDetails>
<CommandDetails>
<Command>show rsvp session ingress</Command>
<Results>
<Row>
<Parameter>
<Name>LSP Name</Name>
<Value>embassy-tokochin</
Value>

```

```

</Parameter>
<Parameter>
<Name>State</Name>
<Value>Up</Value>
</Parameter>
<Parameter>
<Name>To</Name>
<Value>50.1.2.1</Value>
</Parameter>
<Parameter>
<Name>Lablein</Name>
<Value>-</Value>
</Parameter>
<Parameter>
<Name>Lableout</Name>
<Value>3</Value>
</Parameter>
<Parameter>
<Name>From</Name>
<Value>50.1.2.4</Value>
</Parameter>
</Row>
<Row>
<Parameter>
<Name>LSP Name</Name>
<Value>embassy-tojaipur</
Value>
</Parameter>
<Parameter>
<Name>State</Name>
<Value>Dn</Value>
</Parameter>
<Parameter>
<Name>To</Name>
<Value>50.1.2.2</Value>
</Parameter>
<Parameter>
<Name>Lablein</Name>
<Value>-</Value>
</Parameter>
<Parameter>
<Name>Lableout</Name>

```

```

<Value>--</Value>
</Parameter>
<Parameter>
<Name>From</Name>
<Value>50.1.2.4</Value>
</Parameter>
</Row>
<Row>
<Parameter>
<Name>LSP Name</Name>
<Value>embassy-toexora</
Value>
</Parameter>
<Parameter>
<Name>State</Name>
<Value>Up</Value>
</Parameter>
<Parameter>
<Name>To</Name>
<Value>50.1.2.3</Value>
</Parameter>
<Parameter>
<Name>Lablein</Name>
<Value>--</Value>
</Parameter>
<Parameter>
<Name>Lableout</Name>
<Value>300288</Value>
</Parameter>
<Parameter>
<Name>From</Name>
<Value>50.1.2.4</Value>
</Parameter>
</Row>
</Results>
</CommandDetails>
</ROUTE>
</Protocol>
</CommandResult>
</DeviceEnd>
</TroubleshootResult>
<TroubleShootOAMResult>

```

```
<DeviceEnd>
<DeviceName>kochin</DeviceName>
<CommandResult>
<Protocol>
<OAM />
</Protocol>
</CommandResult>
</DeviceEnd>
<DeviceEnd>
<DeviceName>embassy</DeviceName>
<CommandResult>
<Protocol>
<OAM />
</Protocol>
</CommandResult>
</DeviceEnd>
</TroubleShootOAMResult>
</AuditResults>
</Data>
```

Get All CFM Profiles for E-LAN Services

This request is used to retrieve all the configured CFM profiles.

| | |
|-------------|--|
| URI | api/space/nsas/cfm-profiles/service-management/ service-definitions |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. cfm-profile+xml |
| Produces | Retrieves all the CFM profiles. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="5">
    <OAMProfiles>
      <CFMProfile

href="/api/space/nsas/cfm-profiles/service-management/service-definitions/163857"

uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/163857"

      key="163857">
        <Common>
          <Name>dgsfdg</Name>
          <Identity>163857</Identity>
          <State>Published</State>
          <CreatedDate>2013-01-10T00:05:39.000+05:30</CreatedDate>
          <LastUpdatedDate>2013-01-10T00:05:39.000+05:30</LastUpdatedDate>
          <CreatedBy>super</CreatedBy>
        </Common>
        <CFMDomain>
          <DomainName>fsg</DomainName>
          <DomainLevel>1</DomainLevel>
          <RemoteMEP>false</RemoteMEP>
          <DefinitionType>MEP</DefinitionType>
        </CFMDomain>
      </CFMProfile>
    </OAMProfiles>
  </OAMProfiles>
  <CFMProfile

href="/api/space/nsas/cfm-profiles/service-management/service-definitions/131072"

uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/131072"

      key="131072">
        <Common>
          <Name>erfe</Name>
          <Identity>131072</Identity>
          <State>Published</State>
          <CreatedDate>2013-01-09T00:53:33.000+05:30</CreatedDate>

```

```

    <LastUpdatedDate>2013-01-09T00:53:33.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <CFMDomain>
    <DomainName>er</DomainName>
    <DomainLevel>1</DomainLevel>
    <RemoteMEP>false</RemoteMEP>
    <DefinitionType>MEP</DefinitionType>
  </CFMDomain>
</CFMProfile>
</OAMProfiles>
<OAMProfiles>
  <CFMProfile

href="/api/space/nsas/cfm-profiles/service-management/service-definitions/163840"

uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/163840"

  key="163840">
    <Common>
      <Name>fg</Name>
      <Identity>163840</Identity>
      <State>Published</State>
      <CreatedDate>2013-01-09T19:48:10.000+05:30</CreatedDate>
      <LastUpdatedDate>2013-01-09T19:48:10.000+05:30</LastUpdatedDate>
      <CreatedBy>super</CreatedBy>
    </Common>
    <CFMDomain>
      <DomainName>sgf</DomainName>
      <DomainLevel>1</DomainLevel>
      <RemoteMEP>false</RemoteMEP>
      <DefinitionType>MEP</DefinitionType>
    </CFMDomain>
  </CFMProfile>
</OAMProfiles>
<OAMProfiles>
  <CFMProfile

href="/api/space/nsas/cfm-profiles/service-management/service-definitions/1"

uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/1"

```

```

key="1">
<Common>
  <Name>StdDef-CFMPort</Name>
  <Identity>1</Identity>
  <State>Published</State>
  <Comments>Predefined definition for CFM session on physical
    interfaces</Comments>
  <CreateDate>2013-01-08T00:18:12.000+05:30</CreateDate>
  <LastUpdatedDate>2013-01-08T00:18:12.000+05:30</LastUpdatedDate>
  <CreatedBy>super</CreatedBy>
</Common>
<CFMDomain>
  <DomainName>Default-Domain</DomainName>
  <DomainLevel>7</DomainLevel>
  <RemoteMEP>false</RemoteMEP>
  <DefinitionType>MEP</DefinitionType>
</CFMDomain>
</CFMProfile>
</OAMProfiles>
<OAMProfiles>
  <CFMProfile

href="/api/space/nsas/cfm-profiles/service-management/service-definitions/17"

uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/17"

key="17">
<Common>
  <Name>StdDef-CFMService</Name>
  <Identity>17</Identity>
  <State>Published</State>
  <Comments>Predefined definition for CFM session on Ethernet
    services</Comments>
  <CreateDate>2013-01-08T00:18:12.000+05:30</CreateDate>
  <LastUpdatedDate>2013-01-08T00:18:12.000+05:30</LastUpdatedDate>
  <CreatedBy>super</CreatedBy>
</Common>
<CFMDomain>
  <DomainName>Default-Domain</DomainName>
  <DomainLevel>1</DomainLevel>

```

```

    <RemoteMEP>false</RemoteMEP>
    <DefinitionType>MEP</DefinitionType>
  </CFMDomain>
</CFMProfile>
</OAMProfiles>
</ServiceResource>
</Data>

```

Get CFM Details for Services By Definition ID

This request is used to retrieve a CFM profile based on the CFM definition ID.

| | |
|-------------|---|
| URI | /api/space/nsas/cfm-profiles/service-management/ service-definitions/<cfm definition ID> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service- management.service-definition+xml |
| Produces | Retrieves CFM details based on the definition ID |

Output

Sample XML Output

```

<IteratorProfileSettings>
  <ActionProfile key="65536"
uri="/api/space/nsas/cfm-actionprofiles/service-management/service-definitions/65536"

href="/api/space/nsas/cfm-actionprofiles/service-management/service-definitions/65536">

    <Name>StdDef-ActionProfile</Name>
  </ActionProfile>
  <SLAProfileDetails>
    <SLAProfile key="98304"
uri="/api/space/nsas/sla-iteratorprofiles/service-management/service-definitions/98304"

```

```
href="/api/space/nsas/sla-iteratorprofiles/service-management/service-definitions/98304">

    <Name>StdDef-Loss</Name>
  </SLAProfile>
  <DataTlvSize>100</DataTlvSize>
  <IterationCount>10</IterationCount>
  <Priority>1</Priority>
</SLAProfileDetails>
</IteratorProfileSettings>
```

Get the Details of a Service with CFM Profiles

This request is used to retrieve the details of a service attached with CFM profiles

| | |
|--------------|---|
| URI | /api/space/nsas/eline-ntp/service-management/services/5343044 |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service+xml;version=2 |
| Content Type | application/vnd.net.juniper.space.service-management.service+xml;version="2" |
| Produces | Retrieves the details of a particular service to which a CFM profile if attached. |

Output

Sample XML Output

```
<CFMProfile key="21"
uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/21"
href="/api/space/nsas/cfm-profiles/service-management/service-definitions/21">

  <Common>
```

```
        <Name>StdDef-CFMSERVICE</Name>
      </Common>
    </CFMProfile>
```

Get CFM Profiles for E-LAN Services By Profile ID

This request is used to retrieve a CFM profile based on the profile ID.

| | |
|-------------|---|
| URI | api/space/nsas/cfm-profiles/service-management/service-definitions/{cfm-profile-id} |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.cfm-profile+xml |
| Produces | Retrieves a CFM profile based on the profile ID. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <OAMProfiles>
      <CFMProfile

href="/api/space/nsas/cfm-profiles/service-management/service-definitions/17"

uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/17"

      key="17">
        <Common>
          <Name>StdDef-CFMSERVICE</Name>
          <Identity>17</Identity>
          <State>Published</State>
```

```
<Comments>Predefined definition for CFM session on Ethernet
  services</Comments>
<CreateDate>2013-01-08T00:18:12.000+05:30</CreateDate>
<LastUpdatedDate>2013-01-08T00:18:12.000+05:30</LastUpdatedDate>
<CreatedBy>super</CreatedBy>
</Common>
<CFMDomain>
  <DomainName>Default-Domain</DomainName>
  <DomainLevel>1</DomainLevel>
  <RemoteMEP>false</RemoteMEP>
  <DefinitionType>MEP</DefinitionType>
</CFMDomain>
<CCSettings>
  <HoldInterval Editable="true">10</HoldInterval>
  <LossThreshold Editable="true">3</LossThreshold>
  <MessageInterval Editable="true">1s</MessageInterval>
  <InterfaceStatus Editable="true">false</InterfaceStatus>
  <PortStatusTLV Editable="true">false</PortStatusTLV>
  <ProtectionOviTLV Editable="true">false
</ProtectionOviTLV>
</CCSettings>
<MEPSettings>
  <MEPId>Auto pick</MEPId>
  <Direction Editable="true">up</Direction>
  <Priority Editable="true">0</Priority>
  <AcceptCCMesgFromRemoteMEP>true</AcceptCCMesgFromRemoteMEP>
</MEPSettings>
</CFMProfile>
</OAMPProfiles>
</ServiceResource>
</Data>
```

Create a E-LAN Service Order with CFM Profiles

This request is used to define a E-LAN service order with a CFM profile.

| | |
|-------------|---|
| URI | api/space/nsas/ elan-vpls /service-management/service-orders |
| HTTP Method | POST |

| | |
|--------------|---|
| Content Type | application/vnd.net.juniper.space.service-management.service-order-status+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Creates a E-LAN service order with a CFM profile. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>sgs</Name>

      </Common>
      <ServiceType>Multipoint-to-Multipoint Ethernet (VPLS)</ServiceType>
      <Signaling>BGP</Signaling>
      <Action>Provisioning</Action>
      <CFMProfile key="163840" />
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>kochin</DeviceName>
            <DeviceID>589839</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/9</InterfaceName>

        </ServiceEndPoint>
      </ServiceEndPointGroup>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA >
            <DeviceName>jaipur</DeviceName>
            <DeviceID>589893</DeviceID>
```

```

    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/3</InterfaceName>

    </ServiceEndPoint>
  </ServiceEndPointGroup>

  <Reference>
    <Customer key="590022" />
    <ServiceDefinition>
      <ServiceDefinitionID key="262225" />
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Modify an E-LAN Service for Adding CFM Profiles

This request is used to modify an E-LAN service by adding a CFM profile.

| | |
|--------------|---|
| URI | api/space/nsas/elan-vpls/service-management/services/{service-id} |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.modify-service+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml |
| Produces | Modifies an E-LAN service by adding a CFM profile. |

Input

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>sgs3fdas</Name>

      </Common>
      <ServiceType>VPLS</ServiceType>
      <CFMProfile key="163840" />
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
      </AuditFlag>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>kochin</DeviceName>
            <DeviceID>589839</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/9</InterfaceName>

        </ServiceEndPoint>
      </ServiceEndPointGroup>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>jaipur</DeviceName>
            <DeviceID>589893</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/1/3</InterfaceName>

        </ServiceEndPoint>
      </ServiceEndPointGroup>

    </ServiceOrder>
  </ServiceResource>

```

```
</Data>
```

Modify an E-LAN Service for Deleting CFM Profiles

This request is used to modify an E-LAN service by deleting a CFM profile.

| | |
|--------------|---|
| URI | api/space/nsas/elan-vpls/service-management/services/{service-id} |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.modify-service+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml |
| Produces | Modifies an E-LAN service by deleting a CFM profile. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>sgs3fdas</Name>

      </Common>
      <ServiceType>VPLS</ServiceType>
      <CFMProfile key="163840" >
        <DisableDefinition>true</DisableDefinition>
      </CFMProfile>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
```

```

    <FaultStatus>None</FaultStatus>
  </AuditFlag>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA>
        <DeviceName>kochin</DeviceName>
        <DeviceID>589839</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-0/0/9</InterfaceName>

    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA>
        <DeviceName>jaipur</DeviceName>
        <DeviceID>589893</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-0/1/3</InterfaceName>

    </ServiceEndPoint>
  </ServiceEndPointGroup>

</ServiceOrder>
</ServiceResource>
</Data>
```

View Service Configuration Changes for an E-LAN Service with CFM Profiles

This request is used to display the service configuration differences for an E-LAN service with a CFM profile.

| | |
|-------------|---|
| URI | api/space/nsas/elan-vpls/service-management/view-serviceconfiguration-change/{service-id} |
| HTTP Method | GET |

| | |
|----------|---|
| Consumes | application/vnd.net.juniper.space.service-management.service+xml |
| Produces | Displays the service configuration differences for an E-LAN service with a CFM profile. |

Output

Sample XML Output

```
<Data>
  <AuditResults>
    <ServiceConfigurationChangeResult>
      <ServiceConfigDeviceEnd>
        <DeviceName>kochin</DeviceName>
      <Configuration>
        <configuration>
          <firewall>
            <policer>
              <name>policer_in_ge-0/0/9_4</name>
              <if-exceeding>
                <burst-size-limit>15220</burst-size-limit>
                <bandwidth-limit>10000000</bandwidth-limit>
              </if-exceeding>
              <then>
                <discard />
              </then>
            </policer>
          <family>
            <vpls>
              <filter>
                <name>filter_in_ge-0/0/9_4</name>
                <term>
                  <name>1</name>
                  <then>
                    <accept />
                    <policer>policer_in_ge-0/0/9_4</policer>
                  </then>
                </term>
                <interface-specific />
              </filter>
            </vpls>
          </family>
        </configuration>
      </Configuration>
    </ServiceConfigurationChangeResult>
  </AuditResults>
</Data>
```

```

    </family>
</firewall>
<interfaces>
  <interface>
    <name>ge-0/0/9</name>
    <unit>
      <name>4</name>
      <encapsulation>vlan-vpls</encapsulation>
      <family>
        <vpls>
          <filter>
            <input>filter_in_ge-0/0/9_4</input>
          </filter>
        </vpls>
      </family>
      <vlan-tags>
        <outer>4</outer>
      </vlan-tags>
    </unit>
    <encapsulation>flexible-ethernet-services</encapsulation>
    <mtu>1522</mtu>
    <flexible-vlan-tagging />
  </interface>
</interfaces>
<protocols>
  <oam>
    <ethernet>
      <connectivity-fault-management>
        <maintenance-domain>
          <name>sgf</name>
          <maintenance-association>
            <name>VPLS_sgs</name>
            <continuity-check>
              <hold-interval>1</hold-interval>
              <interval>1s</interval>
              <loss-threshold>3</loss-threshold>
            </continuity-check>
            <mep>
              <name>2</name>
              <auto-discovery />
              <direction>up</direction>
            </mep>
          </association>
        </domain>
      </connectivity-fault-management>
    </ethernet>
  </oam>
</protocols>
</firewall>
</config>

```

```

        <interface-name>ge-0/0/9.4</interface-name>
    </interface>
    <lowest-priority-defect>all-defects
    </lowest-priority-defect>
</mep>
</maintenance-association>
<level>1</level>
</maintenance-domain>
</connectivity-fault-management>
</ethernet>
</oam>
</protocols>
<routing-instances>
    <instance>
        <name>sgs</name>
        <interface>
            <name>ge-0/0/9.4</name>
        </interface>
        <instance-type>vpls</instance-type>
        <protocols>
            <vpls>
                <site>
                    <name>Site_2</name>
                    <interface>
                        <name>ge-0/0/9.4</name>
                    </interface>
                    <site-preference>65535</site-preference>
                    <site-identifier>2</site-identifier>
                </site>
                <interface-mac-limit>
                    <limit>1024</limit>
                </interface-mac-limit>
                <mac-statistics operation="delete" />
                <mac-table-size>
                    <limit>5120</limit>
                </mac-table-size>
                <no-mac-learning operation="delete" />
                <no-tunnel-services />
            </vpls>
        </protocols>
    </instance>
</routing-instances>
<route-distinguisher>
    <rd-type>100:114706</rd-type>

```

```

    </route-distinguisher>
    <vlan-id>all</vlan-id>
    <vrf-target>
      <community>target:100:114698</community>
    </vrf-target>
  </instance>
</routing-instances>
</configuration>
</Configuration>
<TempConfiguration>
  <configuration>
    <protocols>
      <oam>
        <ethernet>
          <connectivity-fault-management>
            <maintenance-domain>
              <name>sgf</name>
              <maintenance-association>
                <name>VPLS_sgs</name>
                <continuity-check>
                  <hold-interval>1</hold-interval>
                  <interval>1s</interval>
                  <loss-threshold>3</loss-threshold>
                </continuity-check>
                <mep>
                  <name>2</name>
                  <auto-discovery />
                  <direction>up</direction>
                  <interface>
                    <interface-name>ge-0/0/9.4</interface-name>
                  </interface>
                  <lowest-priority-defect>all-defects
                </lowest-priority-defect>
                </mep>
              </maintenance-association>
              <level>1</level>
            </maintenance-domain>
          </connectivity-fault-management>
        </ethernet>
      </oam>
    </protocols>
  </configuration>

```

```

    </TempConfiguration>
</ServiceConfigDeviceEnd>
<ServiceConfigDeviceEnd>
  <DeviceName>jaipur</DeviceName>
  <Configuration>
    <configuration>
      <firewall>
        <policer>
          <name>policer_in_ge-0/1/3_1</name>
          <if-exceeding>
            <burst-size-limit>15220</burst-size-limit>
            <bandwidth-limit>10000000</bandwidth-limit>
          </if-exceeding>
          <then>
            <discard />
          </then>
        </policer>
      <family>
        <vpls>
          <filter>
            <name>filter_in_ge-0/1/3_1</name>
            <term>
              <name>1</name>
              <then>
                <accept />
                <policer>policer_in_ge-0/1/3_1</policer>
              </then>
            </term>
            <interface-specific />
          </filter>
        </vpls>
      </family>
    </firewall>
    <interfaces>
      <interface>
        <name>ge-0/1/3</name>
        <unit>
          <name>1</name>
          <encapsulation>vlan-vpls</encapsulation>
          <family>
            <vpls>
              <filter>

```

```

        <input>filter_in_ge-0/1/3_1</input>
    </filter>
</vpls>
</family>
<input-vlan-map>
    <pop />
</input-vlan-map>
<output-vlan-map>
    <push />
</output-vlan-map>
<vlan-tags>
    <outer>1</outer>
</vlan-tags>
</unit>
<encapsulation>flexible-ethernet-services</encapsulation>
<mtu>1522</mtu>
<flexible-vlan-tagging />
</interface>
</interfaces>
<protocols>
    <oam>
        <ethernet>
            <connectivity-fault-management>
                <maintenance-domain>
                    <name>sgf</name>
                    <maintenance-association>
                        <name>VPLS_sgs</name>
                        <continuity-check>
                            <hold-interval>1</hold-interval>
                            <interval>1s</interval>
                            <loss-threshold>3</loss-threshold>
                        </continuity-check>
                        <mep>
                            <name>1</name>
                            <auto-discovery />
                            <direction>up</direction>
                            <interface>
                                <interface-name>ge-0/1/3.1</interface-name>
                            </interface>
                            <lowest-priority-defect>all-defects
                        </lowest-priority-defect>
                        </mep>
                    </maintenance-association>
                </maintenance-domain>
            </connectivity-fault-management>
        </ethernet>
    </oam>
</protocols>

```

```

        </maintenance-association>
        <level>1</level>
    </maintenance-domain>
</connectivity-fault-management>
</ethernet>
</oam>
</protocols>
<routing-instances>
<instance>
    <name>sgs</name>
    <interface>
        <name>ge-0/1/3.1</name>
    </interface>
    <instance-type>vpls</instance-type>
    <protocols>
        <vpls>
            <site>
                <name>Site_1</name>
                <interface>
                    <name>ge-0/1/3.1</name>
                </interface>
                <site-preference>65535</site-preference>
                <site-identifier>1</site-identifier>
            </site>
            <interface-mac-limit>
                <limit>1024</limit>
            </interface-mac-limit>
            <mac-statistics operation="delete" />
            <mac-table-size>
                <limit>5120</limit>
            </mac-table-size>
            <no-mac-learning operation="delete" />
            <no-tunnel-services />
        </vpls>
    </protocols>
    <route-distinguisher>
        <rd-type>100:114705</rd-type>
    </route-distinguisher>
    <vrf-target>
        <community>target:100:114698</community>
    </vrf-target>
</instance>

```

```

    </routing-instances>
  </configuration>
</Configuration>
<TempConfiguration>
  <configuration>
    <protocols>
      <oam>
        <ethernet>
          <connectivity-fault-management>
            <maintenance-domain>
              <name>sgf</name>
              <maintenance-association>
                <name>VPLS_sgs</name>
                <continuity-check>
                  <hold-interval>1</hold-interval>
                  <interval>1s</interval>
                  <loss-threshold>3</loss-threshold>
                </continuity-check>
              <mep>
                <name>1</name>
                <auto-discovery />
                <direction>up</direction>
                <interface>
                  <interface-name>ge-0/1/3.1</interface-name>
                </interface>
                <lowest-priority-defect>all-defects
              </lowest-priority-defect>
            </mep>
          </maintenance-association>
          <level>1</level>
        </maintenance-domain>
      </connectivity-fault-management>
    </ethernet>
  </oam>
</protocols>
</configuration>
</TempConfiguration>
</ServiceConfigDeviceEnd>
</ServiceConfigurationChangeResult>
</AuditResults>
</Data>

```

View Functional Audit Results for an E-LAN Service with CFM Profiles

This request is used to view the functional audit results for an E-LAN service with CFM profiles.

| | |
|-------------|--|
| URI | api/space/nsas/elan-vpls/service-management/ view-functional-audit/{service-id} |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. functional-audit+xml |
| Produces | Displays the functional audit results with CFM profiles in a service. |

Output

Sample XML Output

```
<Data>
  <AuditResults>
    <FunctionalAuditResult>
      <Common>
        <Name>estg</Name>
        <Identity>786667</Identity>
        <State>Deployed</State>
      </Common>
      <ServiceType>VPLS</ServiceType>
      <OperationState>Down</OperationState>
      <ServiceDefinitionName>ELAN-Hub-Spoke-QinQ-AllVLAN
    </ServiceDefinitionName>
      <NoOfUNIs>2</NoOfUNIs>
      <UpUNIs>0</UpUNIs>
      <DownUNIs>2</DownUNIs>
      <DeviceEnd>
        <DeviceName>xe-0/0/2.1 embassy</DeviceName>
        <Topology>HUB</Topology>
        <OperationState>Down</OperationState>
        <NoOfRemoteUNIs>1</NoOfRemoteUNIs>
        <UpRemoteUNIs>0</UpRemoteUNIs>
        <DownRemoteUNIs>1</DownRemoteUNIs>
      <RemoteEnd>
```

```

<ControlPlaneParams>
  <ControlPanelCommand>
    <Command>get-vpls-connection-information</Command>
    <RemoteEndpoint>ge-0/0/3.6 jaipur</RemoteEndpoint>
    <Result>Remote Site not found, connection is not running </Result>
  </ControlPanelCommand>
  <ControlPanelCommand>
    <Command>get-cfm-mep-database</Command>
    <RemoteEndpoint>ge-0/0/3.6 jaipur</RemoteEndpoint>
    <Result>Status: probably configuration missing on device </Result>
  </ControlPanelCommand>
</ControlPlaneParams>
<DataPlaneParams>
  <Command>request-ping-vpls-instance</Command>
  <Result>
    Command cannot be instrumented due to platform
    limitations.
  </Result>
</DataPlaneParams>
</RemoteEnd>
<CFMServiceExtension>
  <ServiceExtensionType>CFM</ServiceExtensionType>
  <ServiceDefinition>StdDef-CFMService</ServiceDefinition>
  <OperationState>Down</OperationState>
</CFMServiceExtension>
</DeviceEnd>
<DeviceEnd>
  <DeviceName>ge-0/0/3.6 jaipur</DeviceName>
  <Topology>SPOKE</Topology>
  <OperationState>Down</OperationState>
  <NoOfRemoteUNIs>1</NoOfRemoteUNIs>
  <UpRemoteUNIs>0</UpRemoteUNIs>
  <DownRemoteUNIs>1</DownRemoteUNIs>
</RemoteEnd>
<ControlPlaneParams>
  <ControlPanelCommand>
    <Command>get-vpls-connection-information</Command>
    <RemoteEndpoint>xe-0/0/2.1 embassy</RemoteEndpoint>
    <Result>Remote Site not found, connection is not running </Result>
  </ControlPanelCommand>
  <ControlPanelCommand>
    <Command>get-cfm-mep-database</Command>

```

```

    <RemoteEndpoint>xe-0/0/2.1 embassy</RemoteEndpoint>
  </ControlPanelCommand>
</ControlPlaneParams>
<DataPlaneParams>
  <Command>request-ping-vpls-instance</Command>
</DataPlaneParams>
</RemoteEnd>
<CFMServiceExtension>
  <ServiceExtensionType>CFM</ServiceExtensionType>
  <ServiceDefinition>StdDef-CFMService</ServiceDefinition>
  <OperationState>Down</OperationState>
</CFMServiceExtension>
</DeviceEnd>
<TroubleshootResult

href="/api/space/nsas/elan-vpls/service-management/services/view-troubleshoot-results/786667"

uri="/api/space/nsas/elan-vpls/service-management/services/view-troubleshoot-results/786667"
/>
  </FunctionalAuditResult>
</AuditResults>
</Data>
```

View Troubleshooting Results for an E-LAN Service with CFM Profiles

This request is used to display the troubleshooting results for an E-LAN service with a CFM profile.

| | |
|-------------|--|
| URI | api/space/nsas/elan-vpls/service-management/view-troubleshooting-results /{service-id} |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service+xml |
| Produces | Displays the troubleshooting results for an E-LAN service with a CFM profile. |

Output

Sample XML Output

```

<Data>
  <AuditResults>
    <TroubleshootResult>
      <DeviceEnd>
        <DeviceName>jaipur</DeviceName>
      <CommandResult>
        <Protocol>
          <UNI>
            <CommandDetails>
              <Command>show interfaces ge-0/1/3.1 statistics</Command>
              <Results>
                <Row>
                  <Parameter>
                    <Name>Logical Interface</Name>
                    <Value> ge-0/1/3.1 </Value>
                  </Parameter>
                  <Parameter>
                    <Name>Input packets</Name>
                    <Value> 0 </Value>
                  </Parameter>
                  <Parameter>
                    <Name>Output packets</Name>
                    <Value> 0 </Value>
                  </Parameter>
                </Row>
              </Results>
            </CommandDetails>
            <CommandDetails>
              <Command>show interface ge-0/1/3.1 terse</Command>
              <Results>
                <Row>
                  <Parameter>
                    <Name>Interface</Name>
                    <Value> ge-0/1/3.1 </Value>
                  </Parameter>
                  <Parameter>
                    <Name>Link</Name>
                    <Value> up </Value>
                  </Parameter>
                  <Parameter>
                    <Name>Admin</Name>

```

```

        <Value> up </Value>
    </Parameter>
</Row>
</Results>
</CommandDetails>
<CommandDetails>
    <Command>show interfaces ge-0/1/3.1 terse</Command>
    <Results>
        <Row>
            <Parameter>
                <Name>Interface</Name>
                <Value> ge-0/1/3.1 </Value>
            </Parameter>
            <Parameter>
                <Name>Link</Name>
                <Value> up </Value>
            </Parameter>
            <Parameter>
                <Name>Admin</Name>
                <Value> up </Value>
            </Parameter>
        </Row>
    </Results>
</CommandDetails>
</UNI>
<MPLS>
    <CommandDetails>
        <Command>show mpls lsp ingress</Command>
        <Results>
            <Row>
                <Parameter>
                    <Name>LSP Name</Name>
                    <Value>jaipur-to-kochin</Value>
                </Parameter>
                <Parameter>
                    <Name>State</Name>
                    <Value>Up</Value>
                </Parameter>
                <Parameter>
                    <Name>To</Name>
                    <Value>50.1.2.1</Value>
                </Parameter>
            </Row>
        </Results>
    </CommandDetails>
</MPLS>

```

```

    <Parameter>
      <Name>From</Name>
      <Value>50.1.2.2</Value>
    </Parameter>
  </Row>
</Row>
<Row>
  <Parameter>
    <Name>LSP Name</Name>
    <Value>jaipur-to-exora</Value>
  </Parameter>
  <Parameter>
    <Name>State</Name>
    <Value>Up</Value>
  </Parameter>
  <Parameter>
    <Name>To</Name>
    <Value>50.1.2.3</Value>
  </Parameter>
  <Parameter>
    <Name>From</Name>
    <Value>50.1.2.2</Value>
  </Parameter>
</Row>
</Row>
<Row>
  <Parameter>
    <Name>LSP Name</Name>
    <Value>jaipur-to-embassy</Value>
  </Parameter>
  <Parameter>
    <Name>State</Name>
    <Value>Dn</Value>
  </Parameter>
  <Parameter>
    <Name>To</Name>
    <Value>50.1.2.4</Value>
  </Parameter>
  <Parameter>
    <Name>From</Name>
    <Value>50.1.2.2</Value>
  </Parameter>
</Row>
</Results>

```

```

</CommandDetails>
<CommandDetails>
  <Command>show mpls lsp egress</Command>
  <Results>
    <Row>
      <Parameter>
        <Name>LSP Name</Name>
        <Value />
      </Parameter>
      <Parameter>
        <Name>State</Name>
        <Value />
      </Parameter>
      <Parameter>
        <Name>To</Name>
        <Value />
      </Parameter>
      <Parameter>
        <Name>From</Name>
        <Value />
      </Parameter>
    </Row>
  </Results>
</CommandDetails>
<CommandDetails>
  <Command>show mpls static-lsp ingress</Command>
  <Results>
    <Row>
      <Parameter>
        <Name>LSP Name</Name>
        <Value />
      </Parameter>
      <Parameter>
        <Name>State</Name>
        <Value />
      </Parameter>
      <Parameter>
        <Name>To</Name>
        <Value />
      </Parameter>
      <Parameter>
        <Name>From</Name>

```

```

        <Value />
    </Parameter>
</Row>
</Results>
</CommandDetails>
<CommandDetails>
    <Command>show route table inet.3 protocol ldp terse</Command>
    <Results>
        <Row>
            <Parameter>
                <Name>Protocol Name</Name>
                <Value>LDP</Value>
            </Parameter>
            <Parameter>
                <Name>Next Hop</Name>
                <Value>40.1.1.1</Value>
            </Parameter>
            <Parameter>
                <Name>Destination</Name>
                <Value>50.1.2.1/32</Value>
            </Parameter>
        </Row>
        <Row>
            <Parameter>
                <Name>Protocol Name</Name>
                <Value>LDP</Value>
            </Parameter>
            <Parameter>
                <Name>Next Hop</Name>
                <Value>40.1.1.1</Value>
            </Parameter>
            <Parameter>
                <Name>Destination</Name>
                <Value>50.1.2.3/32</Value>
            </Parameter>
        </Row>
    </Results>
</CommandDetails>
</MPLS>
<ROUTE>
    <CommandDetails>
        <Command>show vpls connection instance sgs</Command>

```

```

<Results>
  <Row>
    <Parameter>
      <Name>Connection-site</Name>
      <Value />
    </Parameter>
    <Parameter>
      <Name>Status</Name>
      <Value />
    </Parameter>
    <Parameter>
      <Name>Type</Name>
      <Value />
    </Parameter>
  </Row>
</Results>
</CommandDetails>
<CommandDetails>
  <Command>show RSVP session ingress</Command>
  <Results>
    <Row>
      <Parameter>
        <Name>LSP Name</Name>
        <Value>jaipur-to-kochin</Value>
      </Parameter>
      <Parameter>
        <Name>State</Name>
        <Value>Up</Value>
      </Parameter>
      <Parameter>
        <Name>To</Name>
        <Value>50.1.2.1</Value>
      </Parameter>
      <Parameter>
        <Name>Lablein</Name>
        <Value>-</Value>
      </Parameter>
      <Parameter>
        <Name>Lableout</Name>
        <Value>3</Value>
      </Parameter>
      <Parameter>

```

```

        <Name>From</Name>
        <Value>50.1.2.2</Value>
    </Parameter>
</Row>
<Row>
    <Parameter>
        <Name>LSP Name</Name>
        <Value>jaipur-to-exora</Value>
    </Parameter>
    <Parameter>
        <Name>State</Name>
        <Value>Up</Value>
    </Parameter>
    <Parameter>
        <Name>To</Name>
        <Value>50.1.2.3</Value>
    </Parameter>
    <Parameter>
        <Name>Lablein</Name>
        <Value>-</Value>
    </Parameter>
    <Parameter>
        <Name>Lableout</Name>
        <Value>300352</Value>
    </Parameter>
    <Parameter>
        <Name>From</Name>
        <Value>50.1.2.2</Value>
    </Parameter>
</Row>
<Row>
    <Parameter>
        <Name>LSP Name</Name>
        <Value>jaipur-to-embassy</Value>
    </Parameter>
    <Parameter>
        <Name>State</Name>
        <Value>Dn</Value>
    </Parameter>
    <Parameter>
        <Name>To</Name>
        <Value>50.1.2.4</Value>
    </Parameter>

```

```

    </Parameter>
    <Parameter>
      <Name>Lablein</Name>
      <Value>-</Value>
    </Parameter>
    <Parameter>
      <Name>Lableout</Name>
      <Value>-</Value>
    </Parameter>
    <Parameter>
      <Name>From</Name>
      <Value>50.1.2.2</Value>
    </Parameter>
  </Row>
</Results>
</CommandDetails>
<CommandDetails>
  <Command>show rsvp session egress</Command>
  <Results>
    <Row>
      <Parameter>
        <Name>LSP Name</Name>
        <Value />
      </Parameter>
      <Parameter>
        <Name>State</Name>
        <Value />
      </Parameter>
      <Parameter>
        <Name>To</Name>
        <Value />
      </Parameter>
      <Parameter>
        <Name>Lablein</Name>
        <Value />
      </Parameter>
      <Parameter>
        <Name>Lableout</Name>
        <Value />
      </Parameter>
      <Parameter>
        <Name>From</Name>

```

```

        <Value />
    </Parameter>
</Row>
</Results>
</CommandDetails>
<CommandDetails>
    <Command>show route table inet.3</Command>
    <Results>
        <Row>
            <Parameter>
                <Name>Protocol Name</Name>
                <Value>RSVP</Value>
            </Parameter>
            <Parameter>
                <Name>Next Hop</Name>
                <Value>40.1.1.1</Value>
            </Parameter>
            <Parameter>
                <Name>NH Interface</Name>
                <Value>ge-0/0/1.0</Value>
            </Parameter>
            <Parameter>
                <Name>Destination</Name>
                <Value>50.1.2.1/32</Value>
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                                <Value> ge-0/0/9.4 </Value>
                            </Parameter>
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                            </Parameter>
                            <Parameter>
                                <Name>Output packets</Name>
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    <Parameter>
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    </Parameter>
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        <Value> up </Value>
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      <Parameter>
        <Name>Admin</Name>
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</UNI>
<MPLS>
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    <Results>

```

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    <Name>To</Name>
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    <Value>kochin-to-embassy</Value>
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                <Name>To</Name>
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                <Name>State</Name>

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        <CommandResult>
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                            interfaces
                            ge-0/1/3.1 detail
                        </Command>
                        <Results>
                            <Row>
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                                    <Name>MEP status</Name>
                                    <Value>Platform Unsupported</Value>
                                </Parameter>
                                <Parameter>
                                    <Name>Maintenance Association</Name>
                                    <Value>VPLS_sgs</Value>
                                </Parameter>
                                <Parameter>
                                    <Name>MAC address</Name>
                                    <Value>00:00:00:00:00:00</Value>
                                </Parameter>
                                <Parameter>
                                    <Name>Maintenance Domain</Name>
                                    <Value>sqf</Value>
                                </Parameter>
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        interfaces
        ge-0/1/3.1
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        show oam ethernet connectivity-fault-management

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      <Name>Link</Name>

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</CommandResult>
</DeviceEnd>
<DeviceEnd>
  <DeviceName>kochin</DeviceName>
  <CommandResult>
    <Protocol>
      <OAM>

```

```

<CommandDetails>
  <Command>
    show oam ethernet connectivity-fault-management
    interfaces
    ge-0/0/9.4
  </Command>
  <Results>
    <Row>
      <Parameter>
        <Name>Interface</Name>
        <Value>ge-0/0/9.4 </Value>
      </Parameter>
      <Parameter>
        <Name>Status</Name>
        <Value>Active</Value>
      </Parameter>
      <Parameter>
        <Name>Link</Name>
        <Value>Up</Value>
      </Parameter>
      <Parameter>
        <Name>Neighbours</Name>
        <Value>0</Value>
      </Parameter>
      <Parameter>
        <Name>Level</Name>
        <Value>1</Value>
      </Parameter>
      <Parameter>
        <Name>MEP Id</Name>
        <Value>2</Value>
      </Parameter>
    </Row>
  </Results>
</CommandDetails>
<CommandDetails>
  <Command>
    show oam ethernet connectivity-fault-management
    interfaces
    ge-0/0/9.4 detail
  </Command>
  <Results>

```

```

<Row>
  <Parameter>
    <Name>MEP status</Name>
    <Value>running</Value>
  </Parameter>
  <Parameter>
    <Name>Maintenance Association</Name>
    <Value>VPLS_sgs</Value>
  </Parameter>
  <Parameter>
    <Name>MAC address</Name>
    <Value>80:71:1f:16:38:09</Value>
  </Parameter>
  <Parameter>
    <Name>Maintenance Domain</Name>
    <Value>sgf</Value>
  </Parameter>
</Row>
</Results>
</CommandDetails>
<CommandDetails>
  <Command>
    show oam ethernet connectivity-fault-management
    interfaces level 1
  </Command>
  <Results>
    <Row>
      <Parameter>
        <Name>Interface</Name>
        <Value>ge-0/0/6.743 </Value>
      </Parameter>
      <Parameter>
        <Name>Status</Name>
        <Value>Inactive</Value>
      </Parameter>
      <Parameter>
        <Name>Link</Name>
        <Value>Down</Value>
      </Parameter>
    </Row>
    <Row>
      <Parameter>

```

```

        <Name>Interface</Name>
        <Value>ge-0/0/7.3 </Value>
    </Parameter>
    <Parameter>
        <Name>Status</Name>
        <Value>Inactive</Value>
    </Parameter>
    <Parameter>
        <Name>Link</Name>
        <Value>Down</Value>
    </Parameter>
</Row>
<Row>
    <Parameter>
        <Name>Interface</Name>
        <Value>ge-0/0/7.5 </Value>
    </Parameter>
    <Parameter>
        <Name>Status</Name>
        <Value>Inactive</Value>
    </Parameter>
    <Parameter>
        <Name>Link</Name>
        <Value>Down</Value>
    </Parameter>
</Row>
<Row>
    <Parameter>
        <Name>Interface</Name>
        <Value>ge-0/0/9.4 </Value>
    </Parameter>
    <Parameter>
        <Name>Status</Name>
        <Value>Active</Value>
    </Parameter>
    <Parameter>
        <Name>Link</Name>
        <Value>Up</Value>
    </Parameter>
</Row>
<Row>
    <Parameter>

```

```

        <Name>Interface</Name>
        <Value>ge-0/0/9.8 </Value>
    </Parameter>
    <Parameter>
        <Name>Status</Name>
        <Value>Active</Value>
    </Parameter>
    <Parameter>
        <Name>Link</Name>
        <Value>Up</Value>
    </Parameter>
</Row>
<Row>
    <Parameter>
        <Name>Interface</Name>
        <Value>ge-0/1/5.732 </Value>
    </Parameter>
    <Parameter>
        <Name>Status</Name>
        <Value>Active</Value>
    </Parameter>
    <Parameter>
        <Name>Link</Name>
        <Value>Down</Value>
    </Parameter>
</Row>
<Row>
    <Parameter>
        <Name>Interface</Name>
        <Value>ge-0/2/1.821 </Value>
    </Parameter>
    <Parameter>
        <Name>Status</Name>
        <Value>Active</Value>
    </Parameter>
    <Parameter>
        <Name>Link</Name>
        <Value>Down</Value>
    </Parameter>
</Row>
<Row>
    <Parameter>

```

```

        <Name>Interface</Name>
        <Value>ge-0/3/7.0 </Value>
    </Parameter>
    <Parameter>
        <Name>Status</Name>
        <Value>Active</Value>
    </Parameter>
    <Parameter>
        <Name>Link</Name>
        <Value>Down</Value>
    </Parameter>
</Row>
</Results>
</CommandDetails>
</OAM>
</Protocol>
</CommandResult>
</DeviceEnd>
</TroubleShootOAMResult>
</AuditResults>
</Data>

```

EJB Calls for CoS Profiles

EJB Annotation are like meta-tags that you can add to the code and apply to package declarations, type declarations, constructors, methods, fields, parameters, and variables. They provide helpful ways to indicate whether the methods are dependent on other methods, whether they are incomplete, whether the classes have references to other classes, and so on. Below is a list of Junos Space SDK annotations that can be used on EJB resources.

Application developers can use the EJB-REST wizard to generate REST Web services for Java interface methods. The EJB-REST wizard uses a Java reflection API to read information from the Java interface that you can use to configure methods and fields as required for the web service. The wizard also generates JUnit test code for the REST web service with a chosen media type. You can use the EJB-REST wizard to edit an existing REST Web service or to generate a new version of the entire Web service. When modifying a generated Web service, use the wizard to see the delta of information between the source Java interface and the REST Web service

The EJB method for getting QoS profiles is as follows:

PagingResult<QosProfileMO> getAllQosProfileByDevicefamily(PagingContext ctx,List<DeviceFamilyModeEnum> devicefamilyList).

The EJB method for viewing QoS profile details is as follows:

QosProfileMO getQosProfileByMoid(String moid)

Get All QoS Profiles

The following operation can be performed using the Connectivity Services Director QoS Profiles Management RESTful Web Services.

| | |
|-------------|-------------------------------------|
| URI | api/space/nsas/csd/qos-profile |
| HTTP Method | GET |
| Consumes | application/xml application/json |
| Produces | Retrieves a list of QoS profiles |

Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<QosProfileBean>
  <profileBean>
    <profileId>393216</profileId>
    <profileName>juniper_CoS_template</profileName>
  </profileBean>
</QosProfileBean>
```

Sample output (JSON)

```
{
  "QosProfileBean": {
    "profileBean": {
      "profileId": 1572864,
      "profileName": "juniper_CoS_template"
    }
  }
}
```

```
    }  
  }
```

RELATED DOCUMENTATION

E-Line BGP Service Definitions Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director E-Line BGP Service Orders Management RESTful Web Services.

Get All E-Line BGP Service Definitions with Pagination, Search, and Filter

This request is used to retrieve all the configured Layer 2 Ethernet Private Line (EPL, also called E-Line) BGP service definitions with pagination, and to filter the results based on the search criteria.

| | |
|-------------|---|
| URI | <div>/api/space/nsas/eline-ptp/service-management/ service-definitions?start=4&limit=2</div> <div>/api/space/nsas/eline-ptp/service-management/ service-definitions?paging=(start eq 4, limit eq 2)</div> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-definitions+xml;version=2 |
| Produces | Collects all the configured E-Line BGP service definitions with pagination applied, and with a filtered result-set that matches the search criteria |

NOTE: For service orders, you can sort with “sortedby=CreatedDate” and “sortedby=State”.

For Start and Limit attributes, you can provide integer values based on your requirement to sort and filter the API output. Sortorder can be “asc” and “desc”. The SortedBy attribute differs based on the APIs. For service orders, the SortedBy option can be “CtreatedDate”, “State”. For services, the SortedBy option can be “Name”, “LastModifiedDate”. The FilteredBy attribute differs based on the APIs. For service orders, the FilteredBy option can be “Name” and “State”. For services, the FilteredBy option can be “Name”.

If you enter “paging=(starteq 2, limit eq 3)”, which is not a single integer value, the display is according to index of records. In this case, it shows from the first indexed record to the third indexed record. If you enter “start=2&limit=3”, it starts from the second record and displays the next three records in all.

You can specify multiple key:value pairs with the FilteredBy attribute. For example, to get service orders, you can use Get ServiceOrders with Name and State as “filteredby=Name::L3VPN@@State::Invalid”. Similarly, to get service orders, you can use with Name OR state “filteredby=Name::L3VPN!! State::Invalid”.

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Data>
    <ServiceResource size="3">
      <ServiceDefinition key="458777"

uri="/api/space/nsas/eline-ptp/service-management/service-definitions/458777"

href="/api/space/nsas/eline-ptp/service-management/service-definitions/458777">

      <Common>
        <Name>ELine-BGP-Dot1q-SingleVLAN</Name>
        <Identity>458777</Identity>
        <State>Published</State>
        <Comments>
          Used to transport a single VLAN in a point-to-point service between two
```

```

        remote sites.
    </Comments>
    <CreateDate>2014-11-21T18:35:15.000+05:30</CreateDate>
    <LastUpdatedDate>2014-11-21T18:35:15.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <ServiceType>Point-to-Point Pseudowire(BGP)</ServiceType>
  <InterfaceType>Ethernet</InterfaceType>
</ServiceDefinition>
<ServiceDefinition key="458801"

uri="/api/space/nsas/eline-ntp/service-management/service-definitions/458801"

href="/api/space/nsas/eline-ntp/service-management/service-definitions/458801">

  <Common>
    <Name>ELine-BGP-PortBased</Name>
    <Identity>458801</Identity>
    <State>Published</State>
    <Comments>
      Used to deliver a point-to-point service between two remote sites,
      using dedicated ports.
    </Comments>
    <CreateDate>2014-11-21T18:35:15.000+05:30</CreateDate>
    <LastUpdatedDate>2014-11-21T18:35:15.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <ServiceType>Point-to-Point Pseudowire(BGP)</ServiceType>
  <InterfaceType>Ethernet</InterfaceType>
</ServiceDefinition>
<ServiceDefinition key="458752"

uri="/api/space/nsas/eline-ntp/service-management/service-definitions/458752"

href="/api/space/nsas/eline-ntp/service-management/service-definitions/458752">

  <Common>
    <Name>ELine-BGP-QinQ-AllVLAN</Name>
    <Identity>458752</Identity>
    <State>Published</State>

```

```
<Comments>
  Used to deliver a point-to-point service between two remote sites, with

  high BW requirements.
</Comments>
<CreatedDate>2014-11-21T18:35:15.000+05:30</CreatedDate>
<LastUpdatedDate>2014-11-21T18:35:15.000+05:30</LastUpdatedDate>
<CreatedBy>super</CreatedBy>
</Common>
<ServiceType>Point-to-Point Pseudowire(BGP)</ServiceType>
<InterfaceType>Ethernet</InterfaceType>
</ServiceDefinition>
</ServiceResource>
</Data>
```

Get All E-Line Service Definitions by Filter Criterion

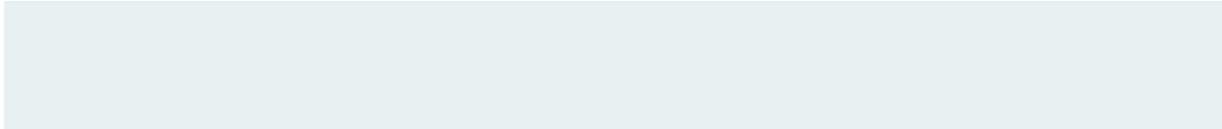
This request is used to retrieve all the configured E-Line service definitions that match the specified filter criterion. You can filter and retrieve service definitions based on the name, service type, signaling type, and state.

| | |
|-------------|--|
| URI | <div>/api/space/nsas/eline-ntp/service-management/service-definitions?filteredby=State::unPublished</div> <div>/api/space/nsas/eline-ntp/service-management/service-definitions?filteredby=Name::CreateP2PSD01</div> <div>/api/space/nsas/eline-ntp/service-management/service-definitions?filteredby=ServiceType::P2P(ETHERNET)</div> <div>/api/space/nsas/eline-ntp/service-management/service-definitions?filteredby=Signaling::LDP</div> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-definitions+xml;version=2 |
| Produces | Collects all the configured E-Line service definitions that match a filter criterion |

NOTE: For E-Line, IP, and E-LAN service definitions, the FilteredBy option can be Name, ServiceType, Signaling, and State.

Output

Sample XML Output



Get All Published E-Line Service Definitions

This request is used to retrieve all the published E-Line service definitions.

| | |
|--------------|---|
| URI | <p>All service types:</p> <p>/api/space/nsas/service-management/ service-definitions/published</p> <p>/api/space/nsas/eline-ptp/service-management/ service-definitions/published</p> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-definitions+xml;version=2 |
| Content Type | application/vnd.net.juniper.space.service-management service-definitions+xml;charset=UTF-8 |
| Produces | Collects all the published E-Line service definitions. |

GET an E-Line BGP Service Definition with Instance Type as evpn-vpws

This request is used to retrieve all the E-Line service definitions with instance type as evpn-vpws.

| | |
|-------------|--|
| URL | /api/space/nsas/csd/service-definition/<definitionId> |
| HTTP Method | GET |
| Sample URL | http://192.0.2.10:8080/api/space/nsas/csd/service-definition/2134456 |

| | |
|--------------|------------------|
| Accept | application/xml; |
| Content Type | application/xml; |

Input

Not Applicable

Output**Sample XML Output**

```

"<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition key="557056"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/557056"

href="/api/space/nsas/eline-ptp/service-management/service-definitions/557056">

      <Common>
        <Name>eline-vpws-test</Name>
        <Identity>557056</Identity>
        <State>Published</State>
        <CreatedDate>2018-06-19T20:24:07.000+05:30</CreatedDate>

<LastUpdatedDate>2018-06-19T20:24:07.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>Point-to-Point Pseudowire(BGP)</ServiceType>
      <InstanceType>evpn-vpws</InstanceType>
      <InterfaceType>Ethernet</InterfaceType>
      <QosEnabled>>false</QosEnabled>
      <PWResiliency>>false</PWResiliency>
      <DecoupleStatus>>false</DecoupleStatus>
      <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterDefType">
        <MTU max="9192" min="1522" editable="true"
default="1522" />
        <RD editable="true" selection="Auto pick" />
        <RT editable="true" selection="Auto pick" />
      <VlanNormalization>Normalize to Dot1q tag</VlanNormalization>

```

```

        </ServiceElementConfigurationDefinition>
        <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType">
            <EthernetOption>dot1q</EthernetOption>
            <VlanIdSelection editable="true" selection="Auto pick"

/>

            <TrafficType>Transport single vlan</TrafficType>
            <VlanIdAuto max="4094" min="1" default="1" />
            <VlanIdManual max="4094" min="1" default="1" />

<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
            <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
            <MTU max="9192" min="1522" editable="true"
default="1522" />
            <EnableRateLimiting>Not enabled</EnableRateLimiting>
            <CalculateBurstSizeType>MTU Based</CalculateBurstSizeType>
            <MTUFactor editable="true">10</MTUFactor>
        </ServiceEndPointConfigurationDefinition>
        <UseCount>1</UseCount>
        <UsedBy />
        <IsStandard>false</IsStandard>
        <IsNorthStarLSPSD>false</IsNorthStarLSPSD>
    </ServiceDefinition>
</ServiceResource>
</Data>
"

```

Create an E-Line BGP Service Definition with Ethernet Option as Asymmetric Tag Depth

This request is used to create an E-Line BGP service definition configured with flexible VLAN tagging (asymmetric tag depth) as the Ethernet option.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-definition+xml;version=2;charset=UTF-8 |

| | |
|----------|--|
| Consumes | <code>application/vnd.juniper.service-management.service-definition+xml;version=2</code> |
| Produces | Creates an E-Line BGP service definition configured with flexible VLAN tagging (asymmetric tag depth) as the Ethernet option |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>P2P_BGP_Asymmetric_SD_API</Name>
        <Comments>werewrtety</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire(BGP)</ServiceType>
      <InterfaceType>Ethernet</InterfaceType>
      <PWResiliency>>false</PWResiliency>
      <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterDefType">
        <MTU editable="false" default="1522"/>
        <RD editable="false" selection="Auto pick"/>
        <RT editable="false" selection="Auto pick"/>
        <VlanNormalization>Normalize to Dot1q tag</VlanNormalization>
      </ServiceElementConfigurationDefinition>
      <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType">
        <EthernetOption>asymmetric tag depth</EthernetOption>
        <VlanIdSelection editable="false" selection="Auto pick"/>
        <TrafficType>Transport all traffic</TrafficType>
        <VlanIdAuto max="0" min="0" default="0"/>
        <VlanIdManual max="0" min="0" default="0"/>
        <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>

        <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
        <MTU editable="false" default="1522"/>
        <EnableRateLimiting>Enabled</EnableRateLimiting>
        <DefaultBandwidth unit="Mbps" max="100" min="1" editable="false">
```

```

default="1">10</DefaultBandwidth>
  <MinBandwidth unit="Kbps" max="100000" min="64">0</MinBandwidth>
  <MaxBandwidth unit="Mbps" max="100000" min="1">0</MaxBandwidth>
  <Increment unit="Kbps" max="100000" min="64" default="64">0</Increment>
  <CalculateBurstSizeType>MTU Based</CalculateBurstSizeType>
  <MTUFactor editable="false">10</MTUFactor>
</ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceDefinition</Type>
      <Value>393618</Value>
    </Identity>
    <Code>200</Code>
    <Message>ServiceDefinition Created Successfully</Message>
  </Status>
</Data>

```

Create an E-Line BGP Service Definition with Manual Route Distinguisher and Route Target

This request is used to create an E-Line BGP service definition configured with manual route distinguisher and route target attributes.

URI

/api/space/nsas/eline-ptp/service-management/service-definitions/

| | |
|--------------|--|
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-definition+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition-status+xml;version=2 |
| Produces | Creates an E-Line BGP service definition configured with manual route distinguisher and route target attributes. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>BGP_Ether1</Name>
      </Common>
      <ServiceType>Point-to-Point Pseudowire(BGP)</ServiceType>
      <InterfaceType>Ethernet</InterfaceType>
      <ServiceElementConfigurationDefinition
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="PTPServiceEndpointGroupParameterDefType">
        <MTU default="1522" editable="false" />
        <RD selection="Select manually" editable="true" />
        <RT selection="Select manually" editable="true" />
      </ServiceElementConfigurationDefinition>
      <ServiceEndPointConfigurationDefinition
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="PTPEndPointParameterDefType">
        <EthernetOption>dot1q</EthernetOption>
        <VlanIdSelection selection="Auto pick" editable="false" />
        <TrafficType>Transport single vlan</TrafficType>
        <VlanIdAuto default="0" min="0" max="0" />
        <VlanIdManual default="0" min="0" max="0" />
        <PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
        <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
        <MTU default="1522" editable="false" />
      </ServiceEndPointConfigurationDefinition>
    </ServiceDefinition>
  </ServiceResource>
</Data>
```

```

    <EnableRateLimiting>Not enabled</EnableRateLimiting>
  </ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceDefinition</Type>
      <Value>7012365</Value>
    </Identity>
    <Code>200</Code>
    <Message>ServiceDefinition created successfully</Message>
  </Status>
</Data>

```

Create an E-Line BGP Service Definition with Ethernet Interfaces

This request is used to create an E-Line BGP service definition configured with Ethernet interfaces.

| | |
|--------------|--|
| URI | /api/space/nsas/eline-ptp/service-management/ service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.service-definition+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition-status+xml |

Produces

Creates an E-Line BGP service definition configured with interfaces that contain Ethernet encapsulation.

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>BGP_Ether1</Name>
      </Common>
      <ServiceType>Point-to-Point Pseudowire(BGP)</ServiceType>
      <InterfaceType>Ethernet</InterfaceType>
      <ServiceElementConfigurationDefinition
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="PTPServiceEndpointGroupParameterDefType">
        <MTU default="1522" editable="false" />
        <RD selection="Select manually" editable="true" />
        <RT selection="Select manually" editable="true" />
      </ServiceElementConfigurationDefinition>
      <ServiceEndPointConfigurationDefinition
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="PTPEndPointParameterDefType">
        <EthernetOption>dot1q</EthernetOption>
        <VlanIdSelection selection="Auto pick" editable="false" />
        <TrafficType>Transport single vlan</TrafficType>
        <VlanIdAuto default="0" min="0" max="0" />
        <VlanIdManual default="0" min="0" max="0" />
        <PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
        <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
        <MTU default="1522" editable="false" />
        <EnableRateLimiting>Not enabled</EnableRateLimiting>
      </ServiceEndPointConfigurationDefinition>
    </ServiceDefinition>
  </ServiceResource>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceDefinition</Type>
      <Value>3964928</Value>
    </Identity>
    <Code>200</Code>
    <Message>ServiceDefinition Created Successfully</Message>
  </Status>
</Data>
```

Create an E-Line BGP Service Definition with ATM Interfaces

This request is used to create an E-Line BGP service definition configured with ATM interfaces.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-definition+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition-status+xml |
| Produces | Creates an E-Line BGP service definition configured with ATM interfaces. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
```

```

<ServiceDefinition>
  <Common>
    <Name>BGP_ATM1</Name>
  </Common>
  <ServiceType>Point-to-Point Pseudowire(BGP)</ServiceType>
  <InterfaceType>ATM</InterfaceType>
  <ServiceElementConfigurationDefinition
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="PTPATMServiceEndpointGroupParameterDefType">
    <MTU default="1522" editable="false" />
    <RD selection="Select manually" editable="true" />
    <RT selection="Select manually" editable="true" />
  </ServiceElementConfigurationDefinition>
  <ServiceEndPointConfigurationDefinition
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="PTPATMEndPointParameterDefType">
    <PhysicalEncapsulation>atm-ccc-cell-relay</PhysicalEncapsulation>
    <VPISelection selection="Select manually" editable="false" />
    <VCISelection selection="Select manually" editable="false" />
    <CellBundleSize editable="false" min="1" max="176">1
  </CellBundleSize>
  </ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Create an E-Line BGP Service Definition with TDM Interfaces

This request is used to create an E-Line BGP service definition configured with TDM interfaces.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-definition+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition-status+xml |

Produces

Creates an E-Line BGP service definition configured with TDM interfaces.

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>BGP_TDM1</Name>
      </Common>
      <ServiceType>Point-to-Point Pseudowire(BGP)</ServiceType>
      <InterfaceType>TDM</InterfaceType>
      <ServiceElementConfigurationDefinition
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="PTPTDMServiceEndpointGroupParameterDefType">
        <MTU default="1522" editable="false" />
        <RD selection="Select manually" editable="true" />
        <RT selection="Select manually" editable="true" />
      </ServiceElementConfigurationDefinition>
      <ServiceEndPointConfigurationDefinition
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="PTPTDMEndPointParameterDefType">
        <PhysicalEncapsulation>satop</PhysicalEncapsulation>
        <JitterBuffer editable="false">5</JitterBuffer>
        <IdlePattern editable="false" min="0" max="255">255
      </IdlePattern>
        <ExcessPacketLossRate editable="false" min="0"
        max="100">20</ExcessPacketLossRate>
        <PayloadSize editable="false">192</PayloadSize>
      </ServiceEndPointConfigurationDefinition>
    </ServiceDefinition>
  </ServiceResource>
</Data>
```

Create an E-Line Service Definition

This request is used to create an E-Line service definition.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-definition+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition-status+xml;version=2 |
| Produces | Creates an E-Line service definition. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition >
      <Common>
        <Name>P2P_BGP_BurstSizeCal_lnrRtBased_QinQ_API</Name>
        <Comments>rtyrty</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire(BGP)</ServiceType>
      <InterfaceType>Ethernet</InterfaceType>
      <PWResiliency>>false</PWResiliency>
      <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterDefType">
        <MTU editable="false" default="1522"/>
        <RD editable="false" selection="Auto pick"/>
        <RT editable="false" selection="Auto pick"/>
        <VlanNormalization>Normalize to QinQ tags</VlanNormalization>
      </ServiceElementConfigurationDefinition>
      <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType">
        <EthernetOption>qinq</EthernetOption>
      </ServiceEndPointConfigurationDefinition>
    </ServiceDefinition>
  </ServiceResource>
</Data>
```

```

<VlanIdSelection editable="false" selection="Auto pick"/>
<TrafficType>Transport single vlan</TrafficType>
<VlanIdAuto max="0" min="0" default="0"/>
<VlanIdManual max="0" min="0" default="0"/>
<PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
<LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
<MTU editable="false" default="1522"/>
  <OuterTagProtocolId editable="false">0x88a8</OuterTagProtocolId>
  <InnerTagProtocolId editable="false">0x8100</InnerTagProtocolId>
  <CalculateBurstSizeType>Line Rate Based</CalculateBurstSizeType>
  <BurstPeriod editable="false">54</BurstPeriod>
</ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceDefinition</Type>
      <Value>393583</Value>
    </Identity>
    <Code>200</Code>
    <Message>ServiceDefinition Created Successfully</Message>
  </Status>
</Data>

```

Create an E-Line BGP Service Definition with Instance Type as evpn-vpws

This request is used to create an E-Line BGP service definition configured with evpn-vpws as the instance type.

| | |
|---------------|--|
| URL | /api/space/nsas/csd/service-definition |
| HTTP Method | POST |
| Sample URL | http://192.0.2.10:8080/api/space/nsas/csd/service-definition |
| Accept Header | application/xml |
| Content Type | application/xml; |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>eline-vpws-test</Name>
        <Comments></Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire(BGP)</ServiceType>
      <InterfaceType>Ethernet</InterfaceType>
      <InstanceType>evpn-vpws</InstanceType>
      <UseCount>0</UseCount>
      <PWResiliency>>false</PWResiliency>
      <DecoupleStatus>>false</DecoupleStatus>
      <QosEnabled>>false</QosEnabled>
      <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterDefType">
        <RT selection="Auto pick" editable="true" />
        <RD selection="Auto pick" editable="true" />
        <MTU default="1522" editable="true" min="1522"
max="9192">1522</MTU>
        <MTU_max>9192</MTU_max>
        <RevertTime>5</RevertTime>
      </ServiceElementConfigurationDefinition>
    </ServiceDefinition>
  </ServiceResource>
</Data>
```

```

        <SwitchOverDelay>0</SwitchOverDelay>
        <VlanNormalization>Normalize to Dot1q tag</VlanNormalization>

    </ServiceElementConfigurationDefinition>
    <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType">
        <EthernetOption>dot1q</EthernetOption>
        <TrafficType>Transport single vlan</TrafficType>
        <VlanIdSelection selection="Auto pick" editable="true" />
        <VlanIdAuto min="1" max="4094" default="1" />
        <VlanIdAuto_max>4094</VlanIdAuto_max>
        <VlanIdManual min="1" max="4094" default="1" />
        <VlanIdManual_max>4094</VlanIdManual_max>

    <OuterTagProtocolId_editable>false</OuterTagProtocolId_editable>

    <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
        <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
        <MTU default="1522" editable="true" min="1522"
max="9192">1522</MTU>
        <MTU_max>9192</MTU_max>
        <EnableRateLimiting>Not enabled</EnableRateLimiting>
    </ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>"

```

Output

Sample XML Output

```

"<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
        <Identity>
            <Type>ServiceDefinition</Type>
            <Value>557056</Value>
        </Identity>
        <Code>200</Code>
    </Status>
</Data>

```

```
<Message>ServiceDefinition Created and Published Successfully</Message>

</Status>
</Data>"
```

Get an E-Line BGP Service Definition with Manual Route Distinguisher and Route Target By Definition ID

This request is used to retrieve the details of a particular Layer 2 Ethernet Private Line (EPL, also called E-Line) BGP service definition based on the service definition ID.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ptp/service-management/service-definitions/<servicedefinition-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition+xml |
| Produces | Collects the details of a specific E-Line BGP service definition with manually-configured route distinguisher and route target parameters. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition
href="/api/space/nsas/eline-ptp/service-management/service-definitions/1703977"
  uri="/api/space/nsas/elineptp/
service-management/service-definitions/1703977" key="1703977">
    <Common>
      <Name>PTPBGPTRDManual</Name>
      <Identity>1703977</Identity>
      <State>Published</State>
```

```

<CreatedDate>2012-12-16T20:42:08.000+05:30</CreatedDate>
<LastUpdatedDate>2012-12-16T20:42:08.000+05:30</LastUpdatedDate>
<CreatedBy>super</CreatedBy>
</Common>
<ServiceType>Point-to-Point Pseudowire(BGP)</ServiceType>
<InterfaceType>Ethernet</InterfaceType>
<EnableL3Access>false</EnableL3Access>
<ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterDefType">
<MTU default="1522" editable="false" min="1522" max="9192"/>
<RD selection="Select manually" editable="true"/>
<RT selection="Select manually" editable="true"/>
</ServiceElementConfigurationDefinition>
<ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType">
<EthernetOption>dot1q</EthernetOption>
<VlanIdSelection selection="Auto pick" editable="false"/>
<TrafficType>Transport single vlan</TrafficType>
<VlanIdAuto default="0" min="0" max="0"/>
<VlanIdManual default="0" min="0" max="0"/>
<PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
<LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
<MTU default="1522" editable="false" min="1522" max="9192"/>
<EnableRateLimiting>Not enabled</EnableRateLimiting>
<DefaultBandwidth default="1" editable="false" min="1" max="100"
unit="Mbps">N/A</DefaultBandwidth>
<MinBandwidth min="64" max="100000" unit="Kbps">0</MinBandwidth>
<MaxBandwidth min="1" max="100000" unit="Mbps">0</MaxBandwidth>
<Increment default="64" min="64" max="100000" unit="Kbps">0</Increment>
<OuterTagProtocolId editable="false"/>
<InnerTagProtocolId editable="false"/>
</ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Get E-Line Service Definition Details with Normalization Support By Definition ID

This request is used to retrieve the details of a particular Layer 2 Ethernet Private Line (EPL, also called E-Line) E-Line service definition configured with normalization of VLANs, based on the service definition ID.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ptp/service-management/ service-definitions/<servicedefinition-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition+xml;version=2 |
| Produces | Collects the details of a specific E-Line service definition configured with normalization of VLANs. |

Output (VLAN Normalization: Normalize to dot1Q tags)

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition key="884876"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/884876"

href="/api/space/nsas/eline-ptp/service-management/service-definitions/884876">

      <Common>
        <Name>P2P_BGP_BurstSizeCal_SD_Via_API</Name>
        <Identity>884876</Identity>
        <State>Unpublished</State>
        <Comments>ertert</Comments>
        <CreatedDate>2014-07-22T14:09:23.000+05:30</CreatedDate>
        <LastUpdatedDate>2014-07-22T14:09:23.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>Point-to-Point Pseudowire(BGP)</ServiceType>
      <InterfaceType>Ethernet</InterfaceType>
      <EnableL3Access>false</EnableL3Access>
      <PWResiliency>false</PWResiliency>
```

```
<ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterDefType">
  <MTU max="" min="" editable="false" default="1522"/>
  <RD editable="false" selection="Auto pick"/>
  <RT editable="false" selection="Auto pick"/>
  <VlanNormalization> Normalize to Dot1q tag</VlanNormalization>
</ServiceElementConfigurationDefinition>
<ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType">
  <EthernetOption>port-port</EthernetOption>
  <VlanIdSelection editable="false"/>
  <TrafficType>N/A</TrafficType>
  <VlanIdAuto max="0" min="0" default="0"/>
  <VlanIdManual max="0" min="0" default="0"/>
  <PhysicalEncapsulation>ethernet-ccc</PhysicalEncapsulation>
  <LogicalEncapsulation/>
  <MTU max="0" min="0" editable="false" default="1522"/>
  <EnableRateLimiting>Not enabled</EnableRateLimiting>
  <DefaultBandwidth unit="Mbps" max="100" min="1" editable="false"
default="1">N/A</DefaultBandwidth>
  <MinBandwidth unit="Kbps" max="100000" min="64">0</MinBandwidth>
  <MaxBandwidth unit="Mbps" max="100000" min="1">0</MaxBandwidth>
  <Increment unit="Kbps" max="100000" min="64" default="64">0</Increment>
  <CalculateBurstSizeType>MTU Based</CalculateBurstSizeType>
  <MTUFactor editable="true">56</MTUFactor>
</ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>
```

Get an E-Line BGP Service Definition with Default Service Template By Definition ID

This request is used to retrieve the details of a particular Layer 2 Ethernet Private Line (EPL, also called E-Line) E-Line BGP service definition with default service template, based on the service definition ID.

| | |
|-----|--|
| URI | api/space/nsas/eline-ntp/service-management/ service-definitions/<servicedefinition-id> |
|-----|--|

| | |
|-------------|---|
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition+xml |
| Produces | Collects the details of a specific E-Line BGP service definition with default service template. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition key="458825"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/458825"

href="/api/space/nsas/eline-ptp/service-management/service-definitions/458825">

    <Common>
      <Name>Test_BGP_eth_API</Name>
      <Identity>458825</Identity>
      <State>Unpublished</State>
      <CreatedDate>2015-02-12T19:02:17.000+05:30</CreatedDate>
      <LastUpdatedDate>2015-02-12T19:02:17.000+05:30</LastUpdatedDate>
      <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>Point-to-Point Pseudowire(BGP)</ServiceType>
    <InterfaceType>Ethernet</InterfaceType>
    <StaticpseudoWire>false</StaticpseudoWire>
    <EnableL3Access>false</EnableL3Access>
    <MultiSegmentPseudowire>false</MultiSegmentPseudowire>
    <PWResiliency>false</PWResiliency>
    <DecoupleStatus>true</DecoupleStatus>
    <ServiceTemplates>
      <ServiceTemplate
href="/api/space/nsas/eline-ptp/service-management/service-templates/66311"
uri="/api/space/nsas/eline-ptp/service-management/service-templates/66311"
key="/api/space/nsas/eline-ptp/service-management/service-templates/66311">

        <ID>66311</ID>
        <Name>ST with _Descp_P2P</Name>
```

```

        <Default>true</Default>
    </ServiceTemplate>
    <ServiceTemplate
href="/api/space/nsas/eline-ntp/service-management/service-templates/66317"
uri="/api/space/nsas/eline-ntp/service-management/service-templates/66317"
key="/api/space/nsas/eline-ntp/service-management/service-templates/66317">

        <ID>66317</ID>
        <Name>protocoll2circuit</Name>
        <Default>false</Default>
    </ServiceTemplate>
    <ServiceTemplate
href="/api/space/nsas/eline-ntp/service-management/service-templates/66341"
uri="/api/space/nsas/eline-ntp/service-management/service-templates/66341"
key="/api/space/nsas/eline-ntp/service-management/service-templates/66341">

        <ID>66341</ID>
        <Name>Flexi_Temp</Name>
        <Default>false</Default>
    </ServiceTemplate>
</ServiceTemplates>
<ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterDefType">
    <MTU max="" min="" editable="false" default="1522"/>
    <RD editable="false" selection="Auto pick"/>
    <RT editable="false" selection="Auto pick"/>
    <VlanNormalization>Normalize to Dot1q tag</VlanNormalization>
</ServiceElementConfigurationDefinition>
<ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType">
    <EthernetOption>port-port</EthernetOption>
    <VlanIdSelection editable="false"/>
    <TrafficType>N/A</TrafficType>
    <VlanIdAuto max="0" min="0" default="0"/>
    <VlanIdManual max="0" min="0" default="0"/>
    <PhysicalEncapsulation>ethernet-ccc</PhysicalEncapsulation>
    <LogicalEncapsulation/>
    <MTU max="0" min="0" editable="false" default="1522"/>
    <EnableRateLimiting>Not enabled</EnableRateLimiting>
    <DefaultBandwidth unit="Mbps" max="100" min="1" editable="false"

```

```
default="1">N/A</DefaultBandwidth>
  <MinBandwidth unit="Kbps" max="100000" min="64">0</MinBandwidth>
  <MaxBandwidth unit="Mbps" max="100000" min="1">0</MaxBandwidth>
  <Increment unit="Kbps" max="100000" min="64" default="64">0</Increment>
  <CalculateBurstSizeType>MTU Based</CalculateBurstSizeType>
  <MTUFactor editable="false">10</MTUFactor>
</ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>
```

Create an E-Line BGP Service Definition with Default Service Template

This request is used to create an E-Line BGP TDM service definition configured with default service template.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-definition+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition-status+xml;version=2 |
| Produces | Creates an E-Line BGP service definition configured with default service template. |

The XPath tag in a service template attribute is optional and we recommend that you use this tag.

Input

Sample XML Input

```
<xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
```

```

<ServiceResource>
  <ServiceDefinition>
    <Common>
      <Name>Test_BGP_eth_API</Name>
    </Common>
    <ServiceType>Point-to-Point Pseudowire(BGP)</ServiceType>
    <InterfaceType>Ethernet</InterfaceType>
    <PWResiliency>>false</PWResiliency>
    <DecoupleStatus>>true</DecoupleStatus>
    <ServiceTemplates>
      <ServiceTemplate>
        <ID>66311</ID>
        <Name>ST with _Descp_P2P</Name>
        <Default>>true</Default>
      </ServiceTemplate>
      <ServiceTemplate>
        <ID>66317</ID>
        <Name>protocoll2circuit</Name>
        <Default>>false</Default>
      </ServiceTemplate>
      <ServiceTemplate>
        <ID>66341</ID>
        <Name>Flexi_Temp</Name>
        <Default>>false</Default>
      </ServiceTemplate>
    </ServiceTemplates>
    <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterDefType">
      <MTU editable="false" default="1522"/>
      <RD editable="false" selection="Auto pick"/>
      <RT editable="false" selection="Auto pick"/>
      <VlanNormalization>Normalize to Dot1q tag</VlanNormalization>
    </ServiceElementConfigurationDefinition>
    <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType">
      <EthernetOption>port-port</EthernetOption>
      <PhysicalEncapsulation>ethernet-ccc</PhysicalEncapsulation>
      <MTU editable="false" default="1522"/>
      <CalculateBurstSizeType>MTU Based</CalculateBurstSizeType>
      <MTUFactor editable="false">10</MTUFactor>

```

```

    </ServiceEndPointConfigurationDefinition>
  </ServiceDefinition>
</ServiceResource>
</Data>

```

Sample XML Input (With XPath)

```

  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource>
  <ServiceOrder>
    <Common>
      <Name>Test_BGPSO_1DefTemp_API</Name>
    </Common>
    <ServiceType>Point-to-Point Pseudowire</ServiceType>
    <Signaling>BGP</Signaling>
    <Action>Provisioning</Action>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <NA>
          <DeviceName>junos-spacel</DeviceName>
          <DeviceID>524393</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-0/1/7</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
          <EndPointCategory>PTP</EndPointCategory>
          <UNIDescription>N/A</UNIDescription>
        </ServiceEndpointConfiguration>
      <ServiceTemplates>
        <ServiceTemplate>
          <ID>66317</ID>
          <ConfigParams>
            <Name>Name</Name>
            <Value>testname</Value>
            <Decommission>>false</Decommission>
            <SvcSpecificValue>>false</SvcSpecificValue>
          </ConfigParams>
        </ServiceTemplate>
      </ServiceTemplates>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  </ServiceOrder>
</ServiceResource>
</Data>

```

```

        <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
</ServiceTemplate>
<ServiceTemplate>
    <ID>6357015</ID>
    <ConfigParams>
        <Name>Description</Name>
        <Value>DemoDescription</Value>
        <Xpath>/configuration/cpl/interface/description</Xpath>
        <Decommission>>false</Decommission>
        <SvcSpecificValue>>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
</ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA>
            <DeviceName>junos-space2</DeviceName>
            <DeviceID>524357</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/1/6</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPPEndPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
            <UNIDescription>N/A</UNIDescription>
        </ServiceEndpointConfiguration>
    </ServiceTemplates>
    <ServiceTemplate>
        <ID>66317</ID>
        <ConfigParams>
            <Name>Name</Name>
            <Value>testname</Value>
            <Decommission>>false</Decommission>
            <SvcSpecificValue>>false</SvcSpecificValue>
            <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>

```

```

    </ServiceTemplate>
    <ServiceTemplate>
      <ID>6357015</ID>
      <ConfigParams>
        <Name>Description</Name>
        <Value>DemoDescription</Value>
        <Xpath>/configuration/cpl/interface/description</Xpath>
        <Decommission>>false</Decommission>
        <SvcSpecificValue>>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
      </ConfigParams>
    </ServiceTemplate>
  </ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
  <VlanTagToStack>1</VlanTagToStack>
</ServiceOrderParameter>
<Reference>
  <Customer key="524288" />
  <ServiceDefinition>
    <ServiceDefinitionID key="458825" />
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
<Status>
  <Identity>
    <Type>ServiceDefinition</Type>
    <Value>458825</Value>
  </Identity>

```

```
<Code>200</Code>
<Message>ServiceDefinition Created Successfully</Message>
</Status>
</Data>
```

E-Line BGP Service Orders Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director E-Line BGP Service Orders Management RESTful Web Services.

Get an E-Line BGP Service Order with Manual Route Distinguisher and Route Target By Order ID

This request is used to retrieve the details of a particular Layer 2 Ethernet Private Line (EPL, also called E-Line) BGP service order based on the service order ID.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ptp/service-management/ service-orders/<serviceOrderId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service- management.service-order+xml |
| Produces | Collects the details of a specific E-Line BGP service order. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
```

```

href="/api/space/nsas/eline-ntp/service-management/service-orders/1998872"
uri="/api/space/nsas/eline-ntp/servicemanagement/
service-orders/1998872" key="1998872">
<Common>
<Name>P2P_Eline_BGP</Name>
<Identity>1998872</Identity>
<State>Invalid</State>
<Comments>
</Comments>
<CreatedDate>2012-12-17T00:27:48.000+05:30</CreatedDate>
<LastUpdatedDate>2012-12-17T00:27:48.000+05:30</LastUpdatedDate>
<CreatedBy>super</CreatedBy>
</Common>
<ServiceType>Point-to-Point Pseudowire</ServiceType>
<Signaling>BGP</Signaling>
<Action>Provisioning</Action>
<ServiceEndPointGroup>
<DeviceInfo>
<NA href="/api/space/nsas/device-roles/pe-devices/720968"
uri="/api/space/nsas/device-roles/pe-devices/720968" key="720968">
<DeviceName>jaipur</DeviceName>
<DeviceID>720968</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>lt-0/1/0</InterfaceName>
<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
<EndPointCategory>PTP</EndPointCategory>
<TrafficType>DOT1Q Transport single vlan</TrafficType>
<PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
<LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
<UNIDescription>N/A</UNIDescription>
<VlanId>513</VlanId>
<MTU>1522</MTU>
<Bandwidth unit="Kbps">0</Bandwidth>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DeviceInfo>

```

```

<NA href="/api/space/nsas/device-roles/pe-devices/721104"
uri="/api/space/nsas/device-roles/pe-devices/721104" key="721104">
<DeviceName>junos-spacel</DeviceName>
<DeviceID>721104</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge-0/1/5</InterfaceName>
<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
<EndPointCategory>PTP</EndPointCategory>
<TrafficType>DOT1Q Transport single vlan</TrafficType>
<PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
<LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
<UNIDescription>N/A</UNIDescription>
<VlanId>512</VlanId>
<MTU>1522</MTU>
<Bandwidth unit="Kbps">0</Bandwidth>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
<RouteTarget>10:89</RouteTarget>
<RouteDistinguisher>10:77</RouteDistinguisher>
</ServiceOrderParameter>
<Reference>
<Customer key="720896"
href="/api/space/nsas/customer-management/customers/720896"
uri="/api/space/nsas/customermanagement/
customers/720896"/>
<ServiceDefinition>
<ServiceDefinitionID key="1703977"
href="/api/space/nsas/service-management/service-definitions/1703977"
uri="/api/space/nsas/service-management/service-definitions/1703977"/>
</ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Get E-Line BGP Service Order Details with Burst Size Calculation By Order ID

This request is used to retrieve the details of a particular Layer 2 Ethernet Private Line (EPL, also called E-Line) BGP service order with burst size calculation based on the service order ID.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ptp/service-management/ service-orders/<serviceOrder-Id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service- management.service-order+xml;version=2 |
| Produces | Collects the details of a specific E-Line BGP service order with burst size calculation. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder key="917528"
uri="/api/space/nsas/eline-ptp/service-management/service-orders/917528"
href="/api/space/nsas/eline-ptp/service-management/service-orders/917528">
      <Common>
        <Name>P2P_BGP_BurstSizeCal_SO</Name>
        <Identity>917528</Identity>
        <State>Completed</State>
        <Comments>werwerew</Comments>
        <CreatedDate>2014-09-26T19:00:31.000+05:30</CreatedDate>
        <LastUpdatedDate>2014-09-26T19:01:00.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>BGP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="558232" uri="/api/space/nsas/device-roles/pe-devices/558232"
href="/api/space/nsas/device-roles/pe-devices/558232">
```

```

    <DeviceName>embassy</DeviceName>
    <DeviceID>558232</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-1/1/3</InterfaceName>
  <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPonfigParameterOrderType">
    <EndPointCategory>PTP</EndPointCategory>
    <TrafficType>QINQ Transport single vlan</TrafficType>
    <PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
    <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
    <UNIDescription>retret</UNIDescription>
    <OuterTPID>None</OuterTPID>
    <InnerTPID>None</InnerTPID>
    <UnitId>1</UnitId>
    <VlanId>512</VlanId>
    <CustomerVlanId>2</CustomerVlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Mbps">10</Bandwidth>
  </ServiceEndpointConfiguration>
</ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="557067" uri="/api/space/nsas/device-roles/pe-devices/557067"
href="/api/space/nsas/device-roles/pe-devices/557067">
      <DeviceName>junos-mx240-space</DeviceName>
      <DeviceID>557067</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>lt-0/0/10</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPonfigParameterOrderType">
      <EndPointCategory>PTP</EndPointCategory>
      <TrafficType>QINQ Transport single vlan</TrafficType>
      <PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
      <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>

```

```

    <UNIDescription>erterte</UNIDescription>
    <OuterTPID>None</OuterTPID>
    <InnerTPID>None</InnerTPID>
    <UnitId>512</UnitId>
    <VlanId>512</VlanId>
    <CustomerVlanId>2</CustomerVlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Mbps">10</Bandwidth>
  </ServiceEndpointConfiguration>
  <ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
  <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
    <RouteTarget>100:5</RouteTarget>
    <RouteDistinguisher>100:15</RouteDistinguisher>
    <VlanNormalization>Normalize to QinQ tags</VlanNormalization>
    <OuterVlanTagToStack>1</OuterVlanTagToStack>
    <InnerVlanTagToStack>1</InnerVlanTagToStack>
    <MTUFactor>35</MTUFactor>
  </ServiceOrderParameter>
  <Reference>
    <Customer uri="/api/space/nsas/customer-management/customers/558229"
href="/api/space/nsas/customer-management/customers/558229" key="558229"/>
    <ServiceDefinition>
      <ServiceDefinitionID
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/917504"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/917504"
key="917504"/>
    </ServiceDefinition>
    <Service uri="/api/space/nsas/eline-ptp/service-management/services/917541"
href="/api/space/nsas/eline-ptp/service-management/services/917541"
key="917541"/>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Get E-Line Service Order Details with Normalization Support By Order ID

This request is used to retrieve the details of a particular Layer 2 Ethernet Private Line (EPL, also called E-Line) service order configured with normalization of VLANs and logical interface unit-handling, based on the service order ID.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ptp/service-management/ service-orders/<serviceOrder-Id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-order+xml;version=2 |
| Produces | Collects the details of a specific E-Line service order configured with normalization of VLANs and logical unit of interfaces. |

Output (VLAN Normalization: Normalize to Q-in-Q tags)

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/eline-ptp/service-management/service-orders/1998872"
      uri="/api/space/nsas/eline-ptp/servicemanagement/
      service-orders/1998872" key="1998872">
      <Common>
        <Name>P2P_Eline_BGP</Name>
        <Identity>1998872</Identity>
        <State>Invalid</State>
        <Comments>
        </Comments>
        <CreatedDate>2012-12-17T00:27:48.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-12-17T00:27:48.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>BGP</Signaling>
      <Action>Provisioning</Action>
```

```

<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/720968"
    uri="/api/space/nsas/device-roles/pe-devices/720968" key="720968">
    <DeviceName>jaipur</DeviceName>
    <DeviceID>720968</DeviceID>
  </NA>
</DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>lt-0/1/0</InterfaceName>
    <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
    <EndPointCategory>PTP</EndPointCategory>
    <TrafficType>DOT1Q Transport single vlan</TrafficType>
    <PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
    <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
    <UNIDescription>N/A</UNIDescription>
    <VlanId>513</VlanId>
    <UnitId>456</UnitId>
    <MTU>1522</MTU>
    <Bandwidth unit="Kbps">0</Bandwidth>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/721104"
    uri="/api/space/nsas/device-roles/pe-devices/721104" key="721104">
    <DeviceName>junos-spacel</DeviceName>
    <DeviceID>721104</DeviceID>
  </NA>
</DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/5</InterfaceName>
    <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
    <EndPointCategory>PTP</EndPointCategory>
    <TrafficType>DOT1Q Transport single vlan</TrafficType>
    <PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
    <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>

```

```

<UNIDescription>N/A</UNIDescription>
<UnitId>456</UnitId>
<VlanId>512</VlanId>
<MTU>1522</MTU>
<Bandwidth unit="Kbps">0</Bandwidth>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="PTPConfigParameterOrderType">
  <VlanNormalization>Normalize to QinQ tags</VlanNormalization>
  <OuterVlanTagToStack>12</OuterVlanTagToStack>
  <InnerVlanTagToStack>13</InnerVlanTagToStack>
</ServiceOrderParameter>
<Reference>
<Customer key="720896"
href="/api/space/nsas/customer-management/customers/720896"
uri="/api/space/nsas/customermanagement/
customers/720896"/>
<ServiceDefinition>
<ServiceDefinitionID key="1703977"
href="/api/space/nsas/service-management/service-definitions/1703977"
uri="/api/space/nsas/service-management/service-definitions/1703977"/>
</ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output (VLAN Normalization: Normalize to dot1Q tags)

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource>
<ServiceOrder
href="/api/space/nsas/eline-ptp/service-management/service-orders/1998872"

```

```

uri="/api/space/nsas/eline-ptp/servicemanagement/
service-orders/1998872" key="1998872">
<Common>
<Name>P2P_Eline_BGP</Name>
<Identity>1998872</Identity>
<State>Invalid</State>
<Comments>
</Comments>
<CreateDate>2012-12-17T00:27:48.000+05:30</CreateDate>
<LastUpdatedDate>2012-12-17T00:27:48.000+05:30</LastUpdatedDate>
<CreatedBy>super</CreatedBy>
</Common>
<ServiceType>Point-to-Point Pseudowire</ServiceType>
<Signaling>BGP</Signaling>
<Action>Provisioning</Action>
<ServiceEndPointGroup>
<DeviceInfo>
<NA href="/api/space/nsas/device-roles/pe-devices/720968"
uri="/api/space/nsas/device-roles/pe-devices/720968" key="720968">
<DeviceName>jaipur</DeviceName>
<DeviceID>720968</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>lt-0/1/0</InterfaceName>
<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
<EndPointCategory>PTP</EndPointCategory>
<TrafficType>DOT1Q Transport single vlan</TrafficType>
<PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
<LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
<UNIDescription>N/A</UNIDescription>
<VlanId>513</VlanId>
<UnitId>456</UnitId>
<MTU>1522</MTU>
<Bandwidth unit="Kbps">0</Bandwidth>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DeviceInfo>

```

```

<NA href="/api/space/nsas/device-roles/pe-devices/721104"
uri="/api/space/nsas/device-roles/pe-devices/721104" key="721104">
<DeviceName>junos-spacel</DeviceName>
<DeviceID>721104</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge-0/1/5</InterfaceName>
<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
<EndPointCategory>PTP</EndPointCategory>
<TrafficType>DOT1Q Transport single vlan</TrafficType>
<PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
<LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
<UNIDescription>N/A</UNIDescription>
<UnitId>456</UnitId>
<VlanId>512</VlanId>
<MTU>1522</MTU>
<Bandwidth unit="Kbps">0</Bandwidth>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
  <VlanNormalization>Normalize to Dot1q tag</VlanNormalization>
  <VlanTagToStack>1</VlanTagToStack>
</ServiceOrderParameter>
<Reference>
<Customer key="720896"
href="/api/space/nsas/customer-management/customers/720896"
uri="/api/space/nsas/customermanagement/
customers/720896"/>
<ServiceDefinition>
<ServiceDefinitionID key="1703977"
href="/api/space/nsas/service-management/service-definitions/1703977"
uri="/api/space/nsas/service-management/service-definitions/1703977"/>
</ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Get E-Line Service Order with BGP (Version 2)

This request is used to retrieve the details of a particular Layer 2 Ethernet Private Line (EPL, also called E-Line) service order configured with signaling as BGP.

| | |
|-------------|--|
| URI | /api/space/nsas/eline-ptp/service-management/ service-orders/<serviceOrder-Id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-order+xml;version=2 |
| Produces | Collects the details of a specific E-Line service order with BGP signaling. |

Output (VLAN Normalization: Normalize to Q-in-Q tags)

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>BGP_SO_Via_Test01</Name>
        <Comments>tyut</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>BGP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="557096" uri="/api/space/nsas/device-roles/pe-devices/557096"
href="/api/space/nsas/device-roles/pe-devices/557096">
            <DeviceName>embassy</DeviceName>
```

```

    <DeviceID>557096</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-1/1/9</InterfaceName>
  <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
    <EndPointCategory>PTP</EndPointCategory>
    <UNIDescription>tyut</UNIDescription>
    <UnitId>16</UnitId>
    <VlanId>2</VlanId>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="557096" uri="/api/space/nsas/device-roles/pe-devices/557096"
href="/api/space/nsas/device-roles/pe-devices/557096">
      <DeviceName>embassy</DeviceName>
      <DeviceID>557096</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-1/0/9</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
      <EndPointCategory>PTP</EndPointCategory>
      <UNIDescription>tyutyu</UNIDescription>
      <UnitId>16</UnitId>
      <VlanId>3</VlanId>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
  <OuterVlanTagToStack>12</OuterVlanTagToStack>
  <InnerVlanTagToStack>14</InnerVlanTagToStack>
  <MTUFactor>15</MTUFactor>
</ServiceOrderParameter>

```

```

    <Reference>
      <Customer uri="/api/space/nsas/customer-management/customers/851968"
href="/api/space/nsas/customer-management/customers/851968" key="851968"/>
    </ServiceDefinition>
    <ServiceDefinitionID
uri="/api/space/nsas/eline-ntp/service-management/service-definitions/589824"
href="/api/space/nsas/eline-ntp/service-management/service-definitions/589824"
key="589824"/>
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>393698</Value>
    </Identity>
    <Job>
      <ID>131165</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
  </Status>
</Data>

```

Create an Ethernet, ATM, or TDM BGP Service Order

This request is used to create a BGP service order with Ethernet, ATM, or TDM interfaces.

| | |
|--------------|---|
| URI | /api/space/nsas/eline-ntp/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml |
| Consumes | <p>application/vnd.net.juniper.space.service-management.service-order-status+xml;version=2</p> <p>For the various options in creating ServiceOrder the options must be specified in the Action Element inside OperationSpecificData. The following values can be entered:</p> <ul style="list-style-type: none"> • Save (Create and only Save a SO) • SaveAndValidate (Create, Save, and Validate a SO) Default value when no Custom action is specified. • SaveAndDeployNow (Create, Save, and Deploy a SO) • SaveAndDeployLater (Create, Save, and Deploy Later a SO) |
| Produces | Creates a BGP service order with Ethernet, ATM, and TDM interfaces. |

Input (Ethernet BGP)

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
```

```

<ServiceResource>
  <ServiceOrder>
    <Common>
      <Name>Ethernet-BGP-API</Name>
    </Common>
    <ServiceType>Point-to-Point Pseudowire</ServiceType>
    <Action>Provisioning</Action>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <NA>
          <DeviceName>junos-mx80-1-space</DeviceName>
          <DeviceID>393286</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-1/1/5</InterfaceName>
      </ServiceEndPoint>
    </ServiceEndPointGroup>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <NA>
          <DeviceName>embassy</DeviceName>
          <DeviceID>393340</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-1/0/5</InterfaceName>
      </ServiceEndPoint>
    </ServiceEndPointGroup>
    <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="PTPConfigParameterOrderType">
      <RouteTarget>100:6</RouteTarget>
      <RouteDistinguisher>100:27</RouteDistinguisher>
    </ServiceOrderParameter>
    <Reference>
      <Customer key="393216"/>
    </Reference>
    <ServiceDefinition>
      <ServiceDefinitionID key="3506181"/>
    </ServiceDefinition>
  </ServiceOrder>
</ServiceResource>

```

```
</Data>
```

Input (ATM BGP)

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>BGP_ATM_API</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA >
            <DeviceName>junos-m10-1-space</DeviceName>
            <DeviceID>393269</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>at-1/1/0</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="PTPATMEndPointConfigParameterOrderType">
            <VPI>2</VPI>
            <VCI>3</VCI>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA >
            <DeviceName>Unmanaged device</DeviceName>
            <DeviceID>0</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
```

```

<InterfaceName>ge-1/2/3</InterfaceName>
<LoopbackIP>30.1.2.4</LoopbackIP>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMConfigParameterOrderType">
<RouteTarget>10:13</RouteTarget>
<RouteDistinguisher>10:76</RouteDistinguisher>
</ServiceOrderParameter>
<Reference>
<Customer key="393216"/>
<ServiceDefinition>
<ServiceDefinitionID key="1441819"/>
</ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Input (TDM BGP)

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource>
<ServiceOrder>
<Common>
<Name> BGP_TDM_API </Name>
</Common>
<ServiceType>Point-to-Point Pseudowire</ServiceType>
<Signaling>BGP</Signaling>
<Action>Provisioning</Action>
<ServiceEndPointGroup>
<DeviceInfo>
<NA>
<DeviceName>junos-space1</DeviceName>
<DeviceID>393414</DeviceID>
</NA>

```

```

</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>t1-0/0/2</InterfaceName>
<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DeviceInfo>
<NA>
<DeviceName>Unmanaged device</DeviceName>
<DeviceID>0</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge-1/0/9</InterfaceName>
<LoopbackIP>30.1.2.7</LoopbackIP>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMConfigParameterOrderType">
<RouteTarget>69:144410</RouteTarget>
<RouteDistinguisher>69:1444</RouteDistinguisher>
</ServiceOrderParameter>
<Reference>
<Customer key="393216"/>
<ServiceDefinition>
<ServiceDefinitionID key="3506205"/>
</ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>2424838</Value>
    </Identity>
    <Job>
      <ID>688205</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Order Created Successfully and Validation is in Progress.
      Please check the status using the JOB ID.</Message>
    </Status>
  </Data>
```

Create an E-Line BGP Service Order

This request is used to create an E-Line BGP service order.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml;version=2;charset=UTF-8 |

| | |
|----------|---|
| Consumes | <div>application/vnd.juniper.space.service-management.service-order+xml;version=2</div> <p>For the various options in creating ServiceOrder the options must be specified in the Action Element inside OperationSpecificData. The following values can be entered:</p> <ul style="list-style-type: none">• Save (Create and only Save a SO)• SaveAndValidate (Create, Save, and Validate a SO) Default value when no Custom action is specified.• SaveAndDeployNow (Create, Save, and Deploy a SO)• SaveAndDeployLater (Create, Save, and Deploy Later a SO) |
| Produces | Creates an E-Line BGP service order. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>P2P_BGP_Asymmetric_SO_API</Name>
        <Comments>dfdsfdsgsg</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>BGP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="524504" uri="/api/space/nsas/device-roles/pe-devices/524504"
href="/api/space/nsas/device-roles/pe-devices/524504">
            <DeviceName>embassy</DeviceName>
            <DeviceID>524504</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/1/7</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
```

```

    <EndPointCategory>PTP</EndPointCategory>
    <TrafficType>QINQ Transport single vlan</TrafficType>
    <EthernetOption>qinq</EthernetOption>
    <UNIDescription>rfergreg</UNIDescription>
    <CustomerVlanId>2</CustomerVlanId>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="524452" uri="/api/space/nsas/device-roles/pe-devices/524452"
href="/api/space/nsas/device-roles/pe-devices/524452">
      <DeviceName>junos-mx80-1-space</DeviceName>
      <DeviceID>524452</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-1/1/8</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
      <EndPointCategory>PTP</EndPointCategory>
      <TrafficType>Transport using port</TrafficType>
      <EthernetOption>port-port</EthernetOption>
      <UNIDescription>dsfsdfs</UNIDescription>
      <CustomerVlanId>2</CustomerVlanId>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
  <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
    <VlanNormalization>Normalize to Dot1q tag</VlanNormalization>
    <VlanTagToStack>1</VlanTagToStack>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="524615"/>
  </ServiceDefinition>
  <ServiceDefinitionID key="458876"/>
</ServiceDefinition>
  <Service key="458861"/>
</Reference>

```

```
</ServiceOrder>
</ServiceResource>
</Data>
```

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<Status>
  <Identity>
    <Type>ServiceOrder</Type>
    <Value>6553609</Value>
  </Identity>
  <Job>
    <ID>1998898</ID>
    <Status>INPROGRESS</Status>
  </Job>
  <Code>200</Code>
  <Message>Service Order Created Successfully and Deployment is in Progress.
  Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Create an E-Line BGP Service Order with Instance Type as evpn-vpws

This request is used to create an E-Line BGP service order with instance type as evpn-vpws.

| | |
|---------------|--|
| URL | /api/space/nsas/csd/service-order |
| HTTP Method | POST |
| Sample URL | https://192.0.2.10:8443/api/space/nsas/csd/service-order |
| Accept Header | application/xml |

Content Type

application/xml

Request

```

"<Data xmlns=""services.schema.networkapi.jmp.juniper.net"">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>eline-vpws-demo</Name>
        <CustomerName>apple</CustomerName>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>BGP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>

        <DeviceInfo>
          <NA>
            <DeviceName>SG3re</DeviceName>
            <DeviceID>131076</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/3</InterfaceName>
          <InterfaceID>131199</InterfaceID>
          <ServiceEndpointConfiguration
xmlns:xsi=""http://www.w3.org/2001/XMLSchema-instance""
xsi:type=""PTPElineBGPEndPointConfigParameterOrderType"">
            <EndPointCategory>PTP</EndPointCategory>
            <AutoPickUnitId>true</AutoPickUnitId>
            <AutoPickVlanId>true</AutoPickVlanId>
            <MTU>1522</MTU>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
      <ServiceEndPointGroup>
        <DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>

        <DeviceInfo>
          <NA>
            <DeviceName>SG4re</DeviceName>
            <DeviceID>131080</DeviceID>
          </NA>

```

```

        </DeviceInfo>
        <ServiceEndPoint>
            <InterfaceName>ge-0/0/9</InterfaceName>
            <InterfaceID>131318</InterfaceID>
            <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPonfigParameterOrderType">
                <EndPointCategory>PTP</EndPointCategory>
                <AutoPickUnitId>true</AutoPickUnitId>
                <AutoPickVlanId>true</AutoPickVlanId>
                <MTU>1522</MTU>
            </ServiceEndpointConfiguration>
        </ServiceEndPoint>
    </ServiceEndPointGroup>
    <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
        <MTUFactor>10</MTUFactor>
        <RouteTarget AutoPick="false">100:3761</RouteTarget>
        <RouteDistinguisher AutoPick="false">100:341</RouteDistinguisher>

        <VlanTagToStack>27</VlanTagToStack>
    </ServiceOrderParameter>
    <Reference>
        <Customer key="1" />
        <ServiceDefinition>
            <ServiceDefinitionID key="557056" />
        </ServiceDefinition>
        <Service key="undefined" />
    </Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndValidate</Action>
</CustomAction>
</Data>

```

Response

```

"<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
        <Identity>

```

```

        <Type>ServiceOrder</Type>
        <Value>1114112</Value>
    </Identity>
    <Job>
        <ID>4685872</ID>
        <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Order Created Successfully and Validation is in Progress.
    Please check the status using the JOB ID.</Message>
    </Status>
</Data>"

```

Create an E-Line BGP Service Order with Manual Route Distinguisher and Route Target

This request is used to create an E-Line BGP service order with manually-configured route distiguisher and route target attributes.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml |
| Produces | Creates an E-Line BGP service order with manually-configured route distiguisher and route target attributes. |

Input

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>

```

```

<Common>
  <Name>BGP_ATM_API1</Name>
</Common>

<ServiceEndPointGroup>
  <DeviceInfo>
    <NA >
      <DeviceName>junos-m10-1-space</DeviceName>
      <DeviceID>393269</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>at-1/1/0</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterOrderType">
      <EndPointCategory>PTP</EndPointCategory>

      <UNIDescription>N/A</UNIDescription>
      <VPI>2</VPI>
      <VCI>3</VCI>

    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA >
      <DeviceName>Unmanaged device</DeviceName>
      <DeviceID>0</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>fdb</InterfaceName>
    <LoopbackIP>30.1.2.4</LoopbackIP>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:type="PTPATMConfigParameterOrderType">
  <RouteTarget>10:131</RouteTarget>
  <RouteDistinguisher>10:761</RouteDistinguisher>

```

```

</ServiceOrderParameter>
<Reference>
  <Customer key="393216" />
  <ServiceDefinition>
    <ServiceDefinitionID key="1441819" />
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>2588678</Value>
    </Identity>
    <Job>
      <ID>786440</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
  </Status>
</Data>

```

Create an E-Line BGP Service Order with Pseudowire Redundancy

This request is used to create an E-Line BGP service order configured with pseudowire redundancy.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/ service-orders/redundancy |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |
| Produces | Creates an E-Line BGP service order with pseudowire redundancy. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>p2p_bgp_redundancy_so_API</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>jaipur</DeviceName>
            <DeviceID>5341324</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/2</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="PTPElineBGPEndpointConfigParameterOrderType">
```

```

        <EndPointCategory>PTP</EndPointCategory>
        <VlanId>221</VlanId>
        <Bandwidth unit="Mbps">10</Bandwidth>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
<BackUpSettings>
    <Enable>true</Enable>
    <DeviceInfo>
        <NA>
            <DeviceName>embassy</DeviceName>
            <DeviceID>9076741</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-1/0/6</InterfaceName>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
            <MTU>1529</MTU>
            <Bandwidth unit="Mbps">44</Bandwidth>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</BackUpSettings>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA>
            <DeviceName>junos-m10-1-space</DeviceName>
            <DeviceID>5341207</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>lt-1/0/0</InterfaceName>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
            <VlanId>513</VlanId>
            <Bandwidth unit="Mbps">10</Bandwidth>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>

```

```

<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="PTPConfigParameterOrderType">
    <RouteTarget>100:114679</RouteTarget>
    <RouteDistinguisher>100:114679</RouteDistinguisher>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="819263"
      href="/api/space/nsas/customer-management/customers/819263"
uri="/api/space/nsas/customer-management/customers/819263" />
    <ServiceDefinition>
      <ServiceDefinitionID key="9469999"

href="/api/space/nsas/eline-ptp/service-management/service-definitions/9469999"

uri="/api/space/nsas/eline-ptp/service-management/service-definitions/9469999"
/>
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>9470033</Value>
    </Identity>
    <Job>
      <ID>3047763</ID>
      <Status>INPROGRESS</Status>
    </Job>
  </Status>
</Data>

```

```
</Job>
<Code>200</Code>
<Message>The Service Order Created Successfully and Validation is in
  Progress. Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Get an E-Line BGP Service Order By Order ID

This request is used to retrieve the details of a particular E-Line BGP service order based on the service order ID.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ptp/service-management/ service-orders/<serviceOrderId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-order+xml |
| Produces | Collects the details of a specific E-Line BGP service order. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/eline-ptp/service-management/service-orders/9470033"

      uri="/api/space/nsas/eline-ptp/service-management/service-orders/9470033"
```

```

key="9470033">
<Common>
  <Name>p2p_bgp_redundancy_so_API</Name>
  <Identity>9470033</Identity>
  <State>Invalid</State>
  <CreatedDate>2013-01-17T16:16:21.000+05:30</CreatedDate>
  <LastUpdatedDate>2013-01-17T16:16:20.000+05:30</LastUpdatedDate>
  <CreatedBy>super</CreatedBy>
</Common>
<ServiceType>Point-to-Point Pseudowire</ServiceType>
<Signaling>BGP</Signaling>
<Action>Provisioning</Action>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/5341324"
uri="/api/space/nsas/device-roles/pe-devices/5341324"
    key="5341324">
      <DeviceName>jaipur</DeviceName>
      <DeviceID>5341324</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/0/2</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
      <EndPointCategory>PTP</EndPointCategory>
      <TrafficType>DOT1Q Transport single vlan</TrafficType>
      <PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
      <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
      <UNIDescription>N/A</UNIDescription>
      <OuterTPID>None</OuterTPID>
      <VlanId>221</VlanId>
      <Bandwidth unit="Mbps">10</Bandwidth>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
  </ServiceEndPoint>
  <BackUpSettings>
    <Enable>true</Enable>
    <DeviceInfo>
      <NA href="/api/space/nsas/device-roles/pe-devices/9076741"
uri="/api/space/nsas/device-roles/pe-devices/9076741"

```

```

        key="9076741">
        <DeviceName>embassy</DeviceName>
        <DeviceID>9076741</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-1/0/6</InterfaceName>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
            <MTU>1529</MTU>
            <Bandwidth unit="Mbps">44</Bandwidth>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</BackUpSettings>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA href="/api/space/nsas/device-roles/pe-devices/5341207"
uri="/api/space/nsas/device-roles/pe-devices/5341207"
        key="5341207">
        <DeviceName>junos-m10-1-space</DeviceName>
        <DeviceID>5341207</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>lt-1/0/0</InterfaceName>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
            <TrafficType>DOT1Q Transport single vlan</TrafficType>
            <PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
            <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
            <UNIDescription>N/A</UNIDescription>
            <OuterTPID>None</OuterTPID>
            <VlanId>513</VlanId>
            <Bandwidth unit="Mbps">10</Bandwidth>
        </ServiceEndpointConfiguration>
        <ServiceTemplates />
    </ServiceEndPoint>

```

```
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="PTPConfigParameterOrderType">
  <RouteTarget>100:114679</RouteTarget>
  <RouteDistinguisher>100:114679</RouteDistinguisher>
</ServiceOrderParameter>
<Reference>
  <Customer key="819263"
    href="/api/space/nsas/customer-management/customers/819263"
uri="/api/space/nsas/customer-management/customers/819263" />
  <ServiceDefinition>
    <ServiceDefinitionID key="9469999"

href="/api/space/nsas/eline-ptp/service-management/service-definitions/9469999"

uri="/api/space/nsas/eline-ptp/service-management/service-definitions/9469999"
  />
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

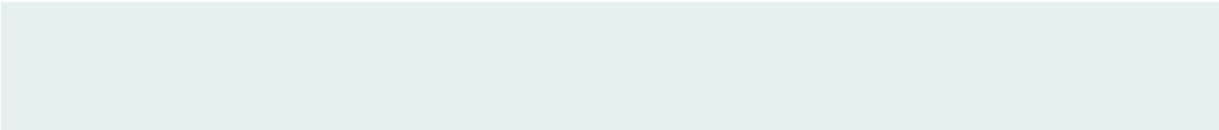
Get All E-Line BGP Service Orders

This request is used to retrieve all the configured Layer 2 Ethernet Private Line (EPL, also called E-Line) BGP service orders.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ptp/service-management/service-orders |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-orders+xml |
| Produces | Collects all the configured E-Line BGP service orders. |

Output

Sample XML Output



Create an E-Line BGP Service Order with Static Pseudowire for E-Line

This request is used to create an E-Line BGP service order with static pseudowires forE-Line.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml;version=2 |
| Produces | Creates an E-Line BGP service order with static pseudowires for E-Line. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>P2P_BGP_E_SPW_SO_API_01</Name>
        <Comments>fdgdfgdf</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="524440" uri="/api/space/nsas/device-roles/pe-devices/524440"
href="/api/space/nsas/device-roles/pe-devices/524440">
```

```

        <DeviceName>embassy</DeviceName>
        <DeviceID>524440</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge-1/0/7</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDP endPointConfigParameterOrderType">
        <EndPointCategory>PTP</EndPointCategory>
        <UNIDescription>hgfh</UNIDescription>
        <CustomerVlanId>1</CustomerVlanId>
        <OutgoingLabel>1000000</OutgoingLabel>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DeviceInfo>
    <NA key="524296" uri="/api/space/nsas/device-roles/pe-devices/524296"
href="/api/space/nsas/device-roles/pe-devices/524296">
        <DeviceName>junos-mx240-space</DeviceName>
        <DeviceID>524296</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>em0</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDP endPointConfigParameterOrderType">
        <EndPointCategory>PTP</EndPointCategory>
        <UNIDescription>rtyrtutyu</UNIDescription>
        <CustomerVlanId>1</CustomerVlanId>
        <OutgoingLabel>1000000</OutgoingLabel>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
    <VlanNormalization>Normalize to QinQ tags</VlanNormalization>
    <OuterVlanTagToStack>1</OuterVlanTagToStack>
    <InnerVlanTagToStack>1</InnerVlanTagToStack>

```

```

</ServiceOrderParameter>
<Reference>
  <Customer key="525406"/>
  <ServiceDefinition>
    <ServiceDefinitionID key="393589"/>
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
  <Action>SaveAndDeployNow</Action>
</CustomAction>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>393639</Value>
    </Identity>
    <Job>
      <ID>196637</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service Order Created Successfully and Deployment is in Progress.
Please check the status using the JOB ID.</Message>
  </Status>
</Data>

```

GET E-Line Service Order with Instance Type as evpn-vpws

This request is used to retrieve all the configured Layer 2 Ethernet Private Line (EPL, also called E-Line) BGP service orders with instance type as evpn-vpws.

| | |
|--------------|---|
| URL | /api/space/nsas/eline-ntp/service-management/service-orders/<id> |
| HTTP Method | GET |
| Sample URL | https://192.0.2.10:8443/api/space/nsas/eline-ntp/service-management/service-orders/1114112 |
| Accept | application/vnd.net.juniper.space.service-management.service-order+xml;version=2; |
| Content Type | application/vnd.net.juniper.space.service-management.service-order+xml;version=2;charset=UTF-8; |

Request

Not Applicable

Response

```

"<?xml version=""1.0"" encoding=""UTF-8"" standalone=""yes""?>
<Data xmlns=""services.schema.networkapi.jmp.juniper.net"">
  <ServiceResource>
    <ServiceOrder key=""1114112""
uri=""/api/space/nsas/eline-ntp/service-management/service-orders/1114112""
href=""/api/space/nsas/eline-ntp/service-management/service-orders/1114112"">
      <Common>
        <Name>eline-vpws-demo</Name>
        <Identity>1114112</Identity>
        <State>Validated</State>
        <ScheduledState>Validated</ScheduledState>
        <CreateDate>2018-06-19T20:29:29.000+05:30</CreateDate>
        <LastUpdatedDate>2018-06-19T20:29:29.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
        <InstanceType>evpn-vpws</InstanceType>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <JobIdsList>4685872</JobIdsList>
      <Signaling>BGP</Signaling>
      <Action>Provisioning</Action>
      <endpointcount>0</endpointcount>
      <ServiceEndPointGroup>

```

```

        <DeviceInfo>
            <NA key="131076"
uri="/api/space/nsas/device-roles/pe-devices/131076"
href="/api/space/nsas/device-roles/pe-devices/131076">
                <DeviceName>SG3re</DeviceName>
                <DeviceID>131076</DeviceID>
            </NA>
        </DeviceInfo>
        <ServiceEndPoint>
            <InterfaceName>ge-0/0/3</InterfaceName>
            <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
                <EndPointCategory>PTP</EndPointCategory>
                <TrafficType>DOT1Q Transport single vlan</TrafficType>

        <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
                <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
                <UNIDescription>N/A</UNIDescription>
                <OuterTPID>None</OuterTPID>
                <UnitId>8</UnitId>
                <VlanId>8</VlanId>
                <MTU>1522</MTU>
                <Bandwidth unit="Kbps">0</Bandwidth>
            </ServiceEndpointConfiguration>
            <ServiceTemplates />
            <OppType>ADD</OppType>
        </ServiceEndPoint>
    </ServiceEndPointGroup>
    <ServiceEndPointGroup>
        <DeviceInfo>
            <NA key="131080"
uri="/api/space/nsas/device-roles/pe-devices/131080"
href="/api/space/nsas/device-roles/pe-devices/131080">
                <DeviceName>SG4re</DeviceName>
                <DeviceID>131080</DeviceID>
            </NA>
        </DeviceInfo>
        <ServiceEndPoint>
            <InterfaceName>ge-0/0/9</InterfaceName>
            <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
                <EndPointCategory>PTP</EndPointCategory>

```

```

        <TrafficType>DOT1Q Transport single vlan</TrafficType>

<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
    <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
    <UNIDescription>N/A</UNIDescription>
    <OuterTPID>None</OuterTPID>
    <UnitId>2</UnitId>
    <VlanId>2</VlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Kbps">0</Bandwidth>
</ServiceEndpointConfiguration>
<ServiceTemplates />
<OppType>ADD</OppType>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
    <RouteTarget>100:3761</RouteTarget>
    <RouteDistinguisher>100:3416</RouteDistinguisher>
    <VlanNormalization>Normalize to Dot1q tag</VlanNormalization>
    <VlanTagToStack>27</VlanTagToStack>
    <MTUFactor>10</MTUFactor>
</ServiceOrderParameter>
<Reference>
    <Customer uri="/api/space/nsas/customer-management/customers/1"
href="/api/space/nsas/customer-management/customers/1" key="1">
        <CustomerName>apple</CustomerName>
    </Customer>
    <ServiceDefinition>
        <ServiceDefinitionID
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/557056"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/557056"
key="557056">
            <ServiceDefinitionName>eline-vpws-test</ServiceDefinitionName>

        </ServiceDefinitionID>
    </ServiceDefinition>
    <Service
uri="/api/space/nsas/eline-ptp/service-management/services/819200"
href="/api/space/nsas/eline-ptp/service-management/services/819200" key="819200"
/>
    </Reference>
</ServiceOrder>

```

```
</ServiceResource>
</Data>"
```

Deploy, Validate, and Partially-Delete an E-Line BGP Service Order

This request is used to deploy, validate, or partially delete a previously created E-Line BGP service order.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml |
| Consumes | <div>application/vnd.net.juniper.space.service-management.service-order-status+xml</div> <div>The options must be specified in the Action Element inside OperationSpecificData. The various options are as follows:</div> <ul style="list-style-type: none">• DeployNow (Deploy an already created SO)• DeployLater (Deploy Later an already created SO)• ValidateNow (Validate now an already created SO)• ValidateLater (Validate later an already created SO)• PartialDeleteNow (Delete the partially created configuration now)• PartialDeleteLater (Delete the partially created configuration Later) |
| Produces | Deploys, validates or, partially-deletes a previously created E-Line BGP service order. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="ServiceOrderCustomActionType">
    <Action>DeployNow</Action>
    <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
  </CustomAction>
```

```
</Data>
```

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<Status>
<Identity>
<Type>ServiceOrder</Type>
<Value>6553600</Value>
</Identity>
<Job>
<ID>1998905</ID>
<Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>The Service Order Deployment is in Progress. Please check the
status using the JOB ID.</Message>
</Status>
</Data>
```

Delete an E-Line BGP Service Order

This request is used to delete a previously configured E-Line LDP service order.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ptp/service-management/ service-orders/<serviceOrder-id> |
| HTTP Method | DELETE |
| Consumes | application/vnd.net.juniper.space.service-management. service-order+xml |
| Produces | Deletes an E-Line BGP service order. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>6553600</Value>
    </Identity>
    <Code>200</Code>
    <Message>Service order Deleted Successfully.</Message>
  </Status>
</Data>
```

View the Pending Configuration of an E-Line Service Order

This request is used to view the details of an E-Line service order that are pending to be applied to a device.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ptp/service-management/service-orders/view-pendingorderconfiguration/<serviceOrder-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.pendingorder-config+xml |
| Produces | Displays the configuration details of a service order pending to be applied to a device. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <PendingOrderConfiguration>
    <PendingOrderConfigDeviceEnd>
      <DeviceName>exora</DeviceName>
    </PendingOrderConfigDeviceEnd>
  </PendingOrderConfiguration>
</Data>
```

```

<Configuration><configuration><interfaces><interface><name>ge-
0/1/1</name><flexible-vlan-tagging/><mtu>1522</mtu><encapsulation>flexible-ethernet-services&
lt;/encapsulation><unit><name>24</name><encapsulation>vlan-ccc</encapsulation><vlan-idrange&
gt;24-34</vlan-idrange&
gt;</unit></interface></interfaces><protocols><l2circuit><neighbor><name>50.1.2.1</name
><interface><name>ge-0/1/1.24</name><virtual-circuit-id>2147467281</virtual-circuit-id><no-controlword/&
gt;<mtu>1522</mtu><revert-time>5</revert-time><backupneighbor&
gt;<name>30.1.2.7</name><virtual-circuit-id>2147467281</virtual-circuit-id><standby/></backupneighbor&
gt;</interface></neighbor></l2circuit></protocols></configuration>
</Configuration>
</PendingOrderConfigDeviceEnd>
<PendingOrderConfigDeviceEnd>
<DeviceName>junos-space1</DeviceName>
<Configuration><configuration><interfaces><interface><name>ge-
0/1/5</name><flexible-vlan-tagging/><mtu>1522</mtu><encapsulation>flexible-ethernet-services&
lt;/encapsulation><unit><name>24</name><encapsulation>vlan-ccc</encapsulation><vlan-idrange&
gt;24-34</vlan-idrange&
gt;</unit></interface></interfaces><protocols><l2circuit><neighbor><name>50.1.2.3</name
><interface><name>ge-0/1/5.24</name><virtual-circuit-id>2147467281</virtual-circuit-id><no-controlword/&
gt;<mtu>1522</mtu></interface></neighbor></l2circuit></protocols></configuration>
</Configuration>
</PendingOrderConfigDeviceEnd>
<PendingOrderConfigDeviceEnd>
<DeviceName>kochin</DeviceName>
<Configuration><configuration><interfaces><interface><name>ge-
0/0/4</name><flexible-vlan-tagging/><mtu>1522</mtu><encapsulation>flexible-ethernet-services&
lt;/encapsulation><unit><name>24</name><encapsulation>vlan-ccc</encapsulation><vlan-idrange&
gt;24-34</vlan-idrange&
gt;</unit></interface></interfaces><protocols><l2circuit><neighbor><name>50.1.2.3</name
><interface><name>ge-0/0/4.24</name><virtual-circuit-id>2147467281</virtual-circuit-id><no-controlword/&
gt;<mtu>1522</mtu></interface></neighbor></l2circuit></protocols></configuration>
</Configuration>
</PendingOrderConfigDeviceEnd>
</PendingOrderConfiguration>
</Data>

```

Get an E-Line BGP Service Order with Tag Protocol ID By Order ID

This request is used to retrieve the details of a particular E-Line BGP service order with tag protocol configured based on the service order ID.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ntp/service-management/service-orders/<serviceOrderId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Collects the details of a specific E-Line BGP service order with tag protocol ID. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
href="/api/space/nsas/eline-ntp/service-management/service-orders/7405602"
  uri="/api/space/nsas/eline-ntp/service-management/service-orders/7405602"
  key="7405602">
      <Common>
        <Name>TPID_P2P_BGP_SO</Name>
        <Identity>7405602</Identity>
        <State>Invalid</State>
        <CreatedDate>2012-12-26T12:40:52.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-12-26T12:40:52.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>BGP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/device-roles/pe-devices/3997755"
uri="/api/space/nsas/device-roles/pe-devices/3997755"
```

```

    key="3997755">
      <DeviceName>jaipur</DeviceName>
      <DeviceID>3997755</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/0</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
      <EndPointCategory>PTP</EndPointCategory>
      <TrafficType>QINQ Transport single vlan</TrafficType>
      <PhysicalEncapsulation>extended-vlan-ccc</PhysicalEncapsulation>
      <LogicalEncapsulation>extended-vlan-ccc</LogicalEncapsulation>
      <UNIDescription>N/A</UNIDescription>
      <OuterTPID>0x8100</OuterTPID>
      <InnerTPID>0x9100</InnerTPID>
      <VlanId>1600</VlanId>
      <CustomerVlanId>2000</CustomerVlanId>
      <MTU>1522</MTU>
      <Bandwidth unit="Kbps">0</Bandwidth>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/3997704"
uri="/api/space/nsas/device-roles/pe-devices/3997704"
    key="3997704">
      <DeviceName>kochin</DeviceName>
      <DeviceID>3997704</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/0/7</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
      <EndPointCategory>PTP</EndPointCategory>
      <TrafficType>QINQ Transport single vlan</TrafficType>
      <PhysicalEncapsulation>extended-vlan-ccc</PhysicalEncapsulation>
      <LogicalEncapsulation>extended-vlan-ccc</LogicalEncapsulation>

```

```
<UNIDescription>N/A</UNIDescription>
<OuterTPID>0x8100</OuterTPID>
<InnerTPID>0x9100</InnerTPID>
<VlanId>1600</VlanId>
<CustomerVlanId>2000</CustomerVlanId>
<MTU>1522</MTU>
<Bandwidth unit="Kbps">0</Bandwidth>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="PTPConfigParameterOrderType">
    <RouteTarget>100:6</RouteTarget>
    <RouteDistinguisher>100:8</RouteDistinguisher>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="884834"
      href="/api/space/nsas/customer-management/customers/884834"
      uri="/api/space/nsas/customer-management/customers/884834" />
    <ServiceDefinition>
      <ServiceDefinitionID key="7405568"
        href="/api/space/nsas/service-management/service-definitions/7405568"
        uri="/api/space/nsas/service-management/service-definitions/7405568"
      />
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Create an E-Line BGP Service Order with Tag Protocol ID

This request is used to create an E-Line BGP service order configured with tag protocol ID.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ptp/service-management/ service-orders/{service-order-id} |
| HTTP Method | POST |

| | |
|--------------|---|
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml |
| Produces | Creates an E-Line BGP service order with tag protocol ID. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>TPID_P2P_BGP_SO</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>jaipur</DeviceName>
            <DeviceID>3997755</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/1/0</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
            <OuterTPID>0x8100</OuterTPID>
            <InnerTPID>0x9100</InnerTPID>
            <VlanId>1600</VlanId>
            <CustomerVlanId>2000</CustomerVlanId>
            <MTU>1522</MTU>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>

```

```

        <DeviceID>3997704</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge-0/0/7</InterfaceName>
    <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
        <OuterTPID>0x8100</OuterTPID>
        <InnerTPID>0x9100</InnerTPID>
        <VlanId>1600</VlanId>
        <CustomerVlanId>2000</CustomerVlanId>
        <MTU>1522</MTU>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

    xsi:type="PTPConfigParameterOrderType">
        <RouteTarget>100:6</RouteTarget>
        <RouteDistinguisher>100:8</RouteDistinguisher>
    </ServiceOrderParameter>
    <Reference>
        <Customer key="884834" />
        <ServiceDefinition>
            <ServiceDefinitionID key="7405568" />
        </ServiceDefinition>
    </Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Modify a Saved E-Line Service Order with BGP

This request is used to modify a saved E-Line BGP service order.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ntp/service-management/ service-orders/<serviceOrderId> |
| HTTP Method | POST |

| | |
|--------------|---|
| Content-Type | application/vnd.net.juniper.space.service-management.modify-service-order+xml |
| Consumes | <p>application/vnd.net.juniper.space.service-management.service-order-status+xml</p> <p>For the various options in creating ServiceOrder the options must be specified in the Action Element inside OperationSpecificData. The following values can be entered:</p> <ul style="list-style-type: none"> • Save (Create and only Save a SO) • SaveAndValidate (Create, Save, and Validate a SO) Default value when no Custom action is specified. • SaveAndDeployNow (Create, Save, and Deploy a SO) • SaveAndDeployLater (Create, Save, and Deploy Later a SO) |
| Produces | Modifies a saved E-Line BGP service order. |

Input (Ethernet - BGP)

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>BGP_P2P_API</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/device-roles/pe-devices/1146882"
uri="/api/space/nsas/device-roles/pe-devices/1146882"
key="1146882">
            <DeviceName>embassy</DeviceName>
            <DeviceID>1146882</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/0/9</InterfaceName>
          <ServiceEndpointConfiguration
```

```

        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
    <VlanId>15</VlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Mbps">30</Bandwidth>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA href="/api/space/nsas/device-roles/pe-devices/589950"
uri="/api/space/nsas/device-roles/pe-devices/589950"
        key="589950">
            <DeviceName>jaipur</DeviceName>
            <DeviceID>589950</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/0/3</InterfaceName>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
            <VlanId>47</VlanId>
            <MTU>1522</MTU>
            <Bandwidth unit="Mbps">40</Bandwidth>
            </ServiceEndpointConfiguration>
        </ServiceEndPoint>
    </ServiceEndPointGroup>
</ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:type="PTPConfigParameterOrderType">
    <RouteTarget>100:7</RouteTarget>
    <RouteDistinguisher>100:47349775</RouteDistinguisher>
    <VlanNormalization>Swap</VlanNormalization>
</ServiceOrderParameter>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>6553609</Value>
    </Identity>
    <Job>
      <ID>1998898</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service Order Modified Successfully and Validation is in
      Progress. Please check the status using the JOB ID.</Message>
    </Status>
  </Data>
```

Input (TDM-BGP)

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>TDM_BGP_SO_API</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/device-roles/pe-devices/589954"
uri="/api/space/nsas/device-roles/pe-devices/589954"
key="589954">
            <DeviceName>junos-spacel</DeviceName>
            <DeviceID>589954</DeviceID>
          </NA>
        </DeviceInfo>
```

```

    <ServiceEndPoint>
      <InterfaceName>t1-0/0/13</InterfaceName>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA href="/api/space/nsas/device-roles/pe-devices/0"
uri="/api/space/nsas/device-roles/pe-devices/0"
      key="0">
        <DeviceName>UnmanagedDevice</DeviceName>
        <DeviceID>0</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>3/4/5</InterfaceName>
      <LoopbackIP>30.1.2.7</LoopbackIP>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output (TDM-BGP)

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>6553609</Value>
    </Identity>
    <Job>
      <ID>1998898</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service Order Modified Successfully and Validation is in

```

```

    Progress. Please check the status using the JOB ID.</Message>
</Status>
</Data>

```

Input (ATM-BGP)

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>ATM_BGP_SO_API</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/device-roles/pe-devices/589954"
uri="/api/space/nsas/device-roles/pe-devices/589954"
key="589954">
            <DeviceName>junos-space1</DeviceName>
            <DeviceID>589954</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>at-0/0/0</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterOrderType">
            <VCI>17</VCI>
            <CellBundleSize>1</CellBundleSize>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/device-roles/pe-devices/0"
uri="/api/space/nsas/device-roles/pe-devices/0"

```

```

        key="0">
        <DeviceName>UnmanagedDevice</DeviceName>
        <DeviceID>0</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>6/7/8</InterfaceName>
        <LoopbackIP>30.1.2.7</LoopbackIP>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

    xsi:type="PTPATMConfigParameterOrderType">
        <VPI>16</VPI>
        <VCI>17</VCI>
    </ServiceOrderParameter>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output (ATM-BGP)

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
        <Identity>
            <Type>ServiceOrder</Type>
            <Value>6553609</Value>
        </Identity>
        <Job>
            <ID>1998898</ID>
            <Status>INPROGRESS</Status>
        </Job>
        <Code>200</Code>
        <Message>Service Order Modified Successfully and Validation is in
            Progress. Please check the status using the JOB ID.</Message>
    </Status>

```

```
</Data>
```

Modify a Saved E-Line Service Order (Version 2)

This request is used to modify a saved E-Line service order.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/ service-orders/<serviceOrderId> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.modify-service-order+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml;version=2 |
| Produces | Modifies a saved E-Line service order. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>BGP_Modify_SO_Via_Test02</Name>
        <Comments>tyut</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>BGP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="557096" uri="/api/space/nsas/device-roles/pe-devices/557096"
```

```

href="/api/space/nsas/device-roles/pe-devices/557096">
  <DeviceName>embassy</DeviceName>
  <DeviceID>557096</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-1/1/9</InterfaceName>
  <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPPEndPointConfigParameterOrderType">
    <EndPointCategory>PTP</EndPointCategory>
    <UNIDescription>tyut</UNIDescription>
    <UnitId>16</UnitId>
    <VlanId>2</VlanId>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="557096" uri="/api/space/nsas/device-roles/pe-devices/557096"
href="/api/space/nsas/device-roles/pe-devices/557096">
      <DeviceName>embassy</DeviceName>
      <DeviceID>557096</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-1/0/9</InterfaceName>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPPEndPointConfigParameterOrderType">
        <EndPointCategory>PTP</EndPointCategory>
        <UNIDescription>tyutyu</UNIDescription>
        <UnitId>16</UnitId>
        <VlanId>3</VlanId>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
    </ServiceEndPointGroup>
    <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
      <VlanTagToStack>1</VlanTagToStack>
      <MTUFactor >15</MTUFactor>

```

```

    </ServiceOrderParameter>
    <Reference>
      <Customer uri="/api/space/nsas/customer-management/customers/851968"
href="/api/space/nsas/customer-management/customers/851968" key="851968"/>
      <ServiceDefinition>
        <ServiceDefinitionID
uri="/api/space/nsas/eline-ntp/service-management/service-definitions/589824"
href="/api/space/nsas/eline-ntp/service-management/service-definitions/589824"
key="589824"/>
      </ServiceDefinition>
    </Reference>
  </ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>1507439</Value>
    </Identity>
    <Job>
      <ID>622660</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service Order Modified Successfully and Deployment is in
      Progress. Please check the status using the JOB ID.</Message>
  </Status>
</Data>

```

Modify a Saved E-Line BGP Service Order with Ethernet Option as Asymmetric Tag Depth

This request is used to modify a saved E-Line BGP service order configured with flexible VLAN tagging (asymmetric tag depth) as the Ethernet option.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ntp/service-management/ service-orders/<serviceOrderId> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.modify-service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |
| Produces | Modifies a saved E-Line BGP service order configured with flexible VLAN tagging (asymmetric tag depth) as the Ethernet option. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>P2P_BGP_Asymmetric_ModifySO_API</Name>
        <Comments>dfdsfdsgsg</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>BGP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="524504" uri="/api/space/nsas/device-roles/pe-devices/524504"
href="/api/space/nsas/device-roles/pe-devices/524504">
            <DeviceName>embassy</DeviceName>
            <DeviceID>524504</DeviceID>
          </NA>
        </DeviceInfo>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>
</Data>
```

```

    <ServiceEndPoint>
      <InterfaceName>ge-1/1/7</InterfaceName>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
        <EndPointCategory>PTP</EndPointCategory>
        <TrafficType>Transport using port</TrafficType>
        <EthernetOption>port-port</EthernetOption>
        <UNIDescription>rfergreg</UNIDescription>
        <CustomerVlanId>2</CustomerVlanId>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA key="524452" uri="/api/space/nsas/device-roles/pe-devices/524452"
href="/api/space/nsas/device-roles/pe-devices/524452">
        <DeviceName>junos-mx80-1-space</DeviceName>
        <DeviceID>524452</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-1/1/8</InterfaceName>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
        <EndPointCategory>PTP</EndPointCategory>
        <TrafficType>Transport using port</TrafficType>
        <EthernetOption>port-port</EthernetOption>
        <UNIDescription>dsfsdfs</UNIDescription>
        <CustomerVlanId>2</CustomerVlanId>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
    <VlanNormalization>Normalize to Dot1q tag</VlanNormalization>
    <VlanTagToStack>1</VlanTagToStack>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="524615" />
  </Reference>

```

```
<ServiceDefinition>
  <ServiceDefinitionID key="458876" />
</ServiceDefinition>
<Service key="458861" />
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>6553609</Value>
    </Identity>
    <Job>
      <ID>1998898</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service Order Modified Successfully and Deployment is in
      Progress. Please check the status using the JOB ID.</Message>
    </Status>
  </Data>
```

Modify a Saved E-Line BGP Service Order with Static Pseudowires

This request is used to modify a saved E-Line BGP service order configured with static pseudowires.

| | |
|-----|---|
| URI | api/space/nsas/eline-ptp/service-management/ service-orders/<serviceOrderId> |
|-----|---|

| | |
|--------------|---|
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.modify-service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml |
| Produces | Modifies a saved E-Line BGP service order with static pseudowires. |

Input

Sample XML Input

Output

Sample XML Output

Modify a Saved E-Line BGP Service Order with Multisegment Pseudowires

This request is used to modify a saved E-Line BGP service order configured with multisegment pseudowires.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/service-orders/<serviceOrderId> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.modify-service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml |
| Produces | Modifies a saved E-Line BGP service order with multisegment pseudowires. |

Input

Sample XML Input

Output

Sample XML Output

Modify a Saved E-Line BGP Service Order with MC-LAG Interfaces

This request is used to modify a saved E-Line BGP service order configured with MC-LAG interfaces.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/ service-orders/<serviceOrderId> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.modify-service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |
| Produces | Modifies a saved E-Line BGP service order with MC-LAG interfaces. |

Input

Sample XML Input

Output

Sample XML Output

Get an E-Line BGP Service Order with Default Service Template By Order ID

This request is used to retrieve the details of a particular Layer 2 Ethernet Private Line (EPL, also called E-Line) BGP service order with default service template, based on the service order ID.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ptp/service-management/service-orders/<serviceorder-Id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Collects the details of a specific E-Line BGP service order with default service template. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder key="458865"
uri="/api/space/nsas/eline-ptp/service-management/service-orders/458865"
href="/api/space/nsas/eline-ptp/service-management/service-orders/458865">
      <Common>
        <Name>Test_BGPSO_1DefTemp_API</Name>
        <Identity>458865</Identity>
        <State>Validated</State>
        <CreatedDate>2015-02-12T19:21:54.000+05:30</CreatedDate>
        <LastUpdatedDate>2015-02-12T19:21:54.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>BGP</ServiceType>
      <Signaling>BGP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
```

```

    <DeviceInfo>
      <NA key="524393" uri="/api/space/nsas/device-roles/pe-devices/524393"
href="/api/space/nsas/device-roles/pe-devices/524393">
        <DeviceName>junos-space1</DeviceName>
        <DeviceID>524393</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-0/1/7</InterfaceName>
      <ServiceTemplates>
        <ServiceTemplate
href="/api/space/nsas/eline-ptp/service-management/service-templates/66311"
uri="/api/space/nsas/eline-ptp/service-management/service-templates/66311"
key="66311">
          <ID>66311</ID>
        </ServiceTemplate>
        <ServiceTemplate
href="/api/space/nsas/eline-ptp/service-management/service-templates/66317"
uri="/api/space/nsas/eline-ptp/service-management/service-templates/66317"
key="66317">
          <ID>66317</ID>
          <ConfigParams>
            <Name>Name</Name>
            <Value>testname</Value>
            <Decommission>>false</Decommission>
            <SvcSpecificValue>>false</SvcSpecificValue>
            <ConfigPageName>cpl</ConfigPageName>
          </ConfigParams>
        </ServiceTemplate>
      </ServiceTemplates>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA key="524357" uri="/api/space/nsas/device-roles/pe-devices/524357"
href="/api/space/nsas/device-roles/pe-devices/524357">
        <DeviceName>junos-space2</DeviceName>
        <DeviceID>524357</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-0/1/6</InterfaceName>

```

```

    <ServiceTemplates>
      <ServiceTemplate
href="/api/space/nsas/eline-ntp/service-management/service-templates/66311"
uri="/api/space/nsas/eline-ntp/service-management/service-templates/66311"
key="66311">
        <ID>66311</ID>
      </ServiceTemplate>
      <ServiceTemplate
href="/api/space/nsas/eline-ntp/service-management/service-templates/66317"
uri="/api/space/nsas/eline-ntp/service-management/service-templates/66317"
key="66317">
        <ID>66317</ID>
        <ConfigParams>
          <Name>Name</Name>
          <Value>testname</Value>
          <Decommission>>false</Decommission>
          <SvcSpecificValue>>false</SvcSpecificValue>
          <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
      </ServiceTemplate>
    </ServiceTemplates>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<Reference>
  <Customer uri="/api/space/nsas/customer-management/customers/524288"
href="/api/space/nsas/customer-management/customers/524288" key="524288"/>
    <ServiceDefinition>
      <ServiceDefinitionID
uri="/api/space/nsas/eline-ntp/service-management/service-definitions/458825"
href="/api/space/nsas/eline-ntp/service-management/service-definitions/458825"
key="458825"/>
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Create an E-Line BGP Service Order with Default Service Template

This request is used to create an E-Line BGP service order configured with default service template.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml;version=2 |
| Produces | Creates an E-Line BGP service order configured with default service template. |

Input

Sample XML Input

```

    <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
    <ServiceOrder>
    <Common>
    <Name>Test_BGPSO_1DefTemp_API</Name>
    </Common>
    <ServiceType>Point-to-Point Pseudowire</ServiceType>
    <Signaling>BGP</Signaling>
    <Action>Provisioning</Action>
    <ServiceEndPointGroup>
    <DeviceInfo>
    <NA>
    <DeviceName>junos-space1</DeviceName>
    <DeviceID>524393</DeviceID>
    </NA>
    </DeviceInfo>
    <ServiceEndPoint>
    <InterfaceName>ge-0/1/7</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">

```

```

    <EndPointCategory>PTP</EndPointCategory>
    <UNIDescription>N/A</UNIDescription>
  </ServiceEndpointConfiguration>
  <ServiceTemplates>
    <ServiceTemplate>
      <ID>66317</ID>
      <ConfigParams>
        <Name>Name</Name>
        <Value>testname</Value>
        <Decommission>>false</Decommission>
        <SvcSpecificValue>>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
      </ConfigParams>
    </ServiceTemplate>
  </ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA>
      <DeviceName>junos-space2</DeviceName>
      <DeviceID>524357</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/6</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
      <EndPointCategory>PTP</EndPointCategory>
      <UNIDescription>N/A</UNIDescription>
    </ServiceEndpointConfiguration>
    <ServiceTemplates>
      <ServiceTemplate>
        <ID>66317</ID>
        <ConfigParams>
          <Name>Name</Name>
          <Value>testname</Value>
          <Decommission>>false</Decommission>
          <SvcSpecificValue>>false</SvcSpecificValue>
          <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>

```

```

        </ServiceTemplate>
    </ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
    <VlanTagToStack>1</VlanTagToStack>
</ServiceOrderParameter>
<Reference>
    <Customer key="524288" />
    <ServiceDefinition>
        <ServiceDefinitionID key="458825" />
    </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<Status>
    <Identity>
        <Type>ServiceOrder</Type>
        <Value>6553609</Value>
    </Identity>
    <Job>
        <ID>1998898</ID>
        <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service Order Created Successfully and Deployment is in Progress.
Please check the status using the JOB ID.</Message>
</Status>
</Data>

```

Modify an E-Line BGP Service Order with Default Service Template

This request is used to modify an E-Line BGP service order configured with default service template.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.modify-service-order+xml; version=2; charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml; version=2 |
| Produces | Modifies an E-Line BGP service order configured with default service template. |

The XPath tag in a service template attribute is optional and we recommend that you use this tag.

Input

Sample XML Input

```

    <Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>Test_BGPSO_1DefTemp_API_m2</Name>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>BGP</Signaling>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junos-space1</DeviceName>
            <DeviceID>524393</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/1/7</InterfaceName>
          <ServiceEndpointConfiguration

```

```

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
    <EndPointCategory>PTP</EndPointCategory>
    <UNIDescription>017m2</UNIDescription>
</ServiceEndpointConfiguration>
<ServiceTemplates>
    <ServiceTemplate>
        <ID>66341</ID>
        <ConfigParams>
            <Name>Outer</Name>
            <Value>123</Value>
            <Decommission>>false</Decommission>
            <SvcSpecificValue>>false</SvcSpecificValue>
            <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
        <ConfigParams>
            <Name>Inner</Name>
            <Value>123</Value>
            <Decommission>>false</Decommission>
            <SvcSpecificValue>>false</SvcSpecificValue>
            <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
    </ServiceTemplate>
    <ServiceTemplate>
        <ID>66317</ID>
        <ConfigParams>
            <Name>Name</Name>
            <Value>testname123</Value>
            <Decommission>>false</Decommission>
            <SvcSpecificValue>>false</SvcSpecificValue>
            <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
    </ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA>
            <DeviceName>junos-space2</DeviceName>
            <DeviceID>524357</DeviceID>
        </NA>
    </DeviceInfo>
</ServiceEndPointGroup>

```

```

    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-0/1/6</InterfaceName>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
        <EndPointCategory>PTP</EndPointCategory>
        <UNIDescription>016m2</UNIDescription>
      </ServiceEndpointConfiguration>
    <ServiceTemplates>
      <ServiceTemplate>
        <ID>66341</ID>
        <ConfigParams>
          <Name>Outer</Name>
          <Value>123</Value>
          <Decommission>>false</Decommission>
          <SvcSpecificValue>>false</SvcSpecificValue>
          <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
        <ConfigParams>
          <Name>Inner</Name>
          <Value>123</Value>
          <Decommission>>false</Decommission>
          <SvcSpecificValue>>false</SvcSpecificValue>
          <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
      </ServiceTemplate>
      <ServiceTemplate>
        <ID>66317</ID>
        <ConfigParams>
          <Name>Name</Name>
          <Value>testname123</Value>
          <Decommission>>false</Decommission>
          <SvcSpecificValue>>false</SvcSpecificValue>
          <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
      </ServiceTemplate>
    </ServiceTemplates>
  </ServiceEndPoint>
</ServiceEndPointGroup>
  <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">

```

```

    <VlanTagToStack>1</VlanTagToStack>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="524288" />
    <ServiceDefinition>
      <ServiceDefinitionID key="458825" />
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Sample XML Input (With XPath)

```

    <Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>Test_BGPSO_1DefTemp_API_m2</Name>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>BGP</Signaling>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junos-spacel</DeviceName>
            <DeviceID>524393</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/1/7</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
            <UNIDescription>017m2</UNIDescription>
          </ServiceEndpointConfiguration>
        <ServiceTemplates>
          <ServiceTemplate>

```

```

<ID>66341</ID>
<ConfigParams>
  <Name>Outer</Name>
  <Value>123</Value>
  <Decommission>>false</Decommission>
  <SvcSpecificValue>>false</SvcSpecificValue>
  <ConfigPageName>cpl</ConfigPageName>
</ConfigParams>
<ConfigParams>
  <Name>Inner</Name>
  <Value>123</Value>
  <Decommission>>false</Decommission>
  <SvcSpecificValue>>false</SvcSpecificValue>
  <ConfigPageName>cpl</ConfigPageName>
</ConfigParams>
</ServiceTemplate>
<ServiceTemplate>
  <ID>66317</ID>
  <ConfigParams>
    <Name>Name</Name>
    <Value>testname123</Value>
    <Decommission>>false</Decommission>
    <SvcSpecificValue>>false</SvcSpecificValue>
    <ConfigPageName>cpl</ConfigPageName>
  </ConfigParams>
</ServiceTemplate>
<ServiceTemplate>
  <ID>6357015</ID>
  <ConfigParams>
    <Name>Description</Name>
    <Value>DemoDescription</Value>
    <Xpath>/configuration/cpl/interface/description</Xpath>
    <Decommission>>false</Decommission>
    <SvcSpecificValue>>false</SvcSpecificValue>
    <ConfigPageName>cpl</ConfigPageName>
  </ConfigParams>
</ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>

```

```

    <NA>
      <DeviceName>junos-space2</DeviceName>
      <DeviceID>524357</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/6</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPELineBGPEndPointConfigParameterOrderType">
      <EndPointCategory>PTP</EndPointCategory>
      <UNIDescription>016m2</UNIDescription>
    </ServiceEndpointConfiguration>
  <ServiceTemplates>
    <ServiceTemplate>
      <ID>66341</ID>
      <ConfigParams>
        <Name>Outer</Name>
        <Value>123</Value>
        <Decommission>>false</Decommission>
        <SvcSpecificValue>>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
      </ConfigParams>
      <ConfigParams>
        <Name>Inner</Name>
        <Value>123</Value>
        <Decommission>>false</Decommission>
        <SvcSpecificValue>>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
      </ConfigParams>
    </ServiceTemplate>
    <ServiceTemplate>
      <ID>66317</ID>
      <ConfigParams>
        <Name>Name</Name>
        <Value>testname123</Value>
        <Decommission>>false</Decommission>
        <SvcSpecificValue>>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
      </ConfigParams>
    </ServiceTemplate>
  </ServiceTemplates>

```

```

        <ID>6357015</ID>
        <ConfigParams>
            <Name>Description</Name>
            <Value>DemoDescription</Value>
            <Xpath>/configuration/cpl/interface/description</Xpath>
            <Decommission>>false</Decommission>
            <SvcSpecificValue>>false</SvcSpecificValue>
            <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
    </ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
    <VlanTagToStack>1</VlanTagToStack>
</ServiceOrderParameter>
<Reference>
    <Customer key="524288" />
    <ServiceDefinition>
        <ServiceDefinitionID key="458825" />
    </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

    <Data xmlns="services.schema.networkapi.jmp.juniper.net">
<Status>
    <Identity>
        <Type>ServiceOrder</Type>
        <Value>459190</Value>
    </Identity>
    <Job>
        <ID>196671</ID>
    </Job>
    </Status>
</Data>

```

```
<Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>The Service Order Modified Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Get Job Details By Job ID for an E-Line Service Order

This request is used to obtain the details of a specific job, based on its unique identifier.

| | |
|----------------------|--|
| URI | /api/space/nsas/elan-ptp/service-management/service-orders/jobId |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-orders+json;version=2 |
| Produces | Retrieves the details of a particular job. |
| Mandatory Parameters | jobID |

Output

Sample JSONOutput

```
{
  "Data": {
    "JobDetailsType": {
      "jobDetailType": [
        {
          "nodeName": "960R1_EN_Alok_re",
          "statusMessage": "Endpoint cannot be provisioned since validation
failed for other devices.",
          "jobStatus": "INVALID",
          "serviceName": "Test2Devices"
```

```
        },
      ],
    }
  }
}
```

Create an E-Line BGP Service Order to Create an LSP

This request is used to create an E-Line BGP service order for creating an LSP.

| | |
|---------------|--|
| URL | /api/space/nsas/eline-ptp/service-management/service-orders |
| HTTP Method | POST |
| Sample URL | https://192.0.2.10:8443/api/space/nsas/eline-ptp/service-management/service-orders |
| Accept Header | application/vnd.net.juniper.space.service-management.service-order-status+xml;version=3 |
| Content Type | application/vnd.net.juniper.space.service-management.service-order+xml;version=3;charset=UTF-8 |

Request

```
"<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>ELine_CreateLSP</Name>
        <CustomerName>Juniper</CustomerName>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
        <DeviceInfo>
          <NA>
            <DeviceName>SG2re</DeviceName>
          </NA>
        </DeviceInfo>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>
</Data>
```

```

        <DeviceID>2</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge-0/0/6</InterfaceName>
    <InterfaceID>27</InterfaceID>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPPEndPointConfigParameterOrderType">
        <EndPointCategory>PTP</EndPointCategory>
        <UnitId>123</UnitId>
        <VlanId>123</VlanId>
        <MTU>1522</MTU>
        <Bandwidth unit="Mbps">10</Bandwidth>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
    <DeviceInfo>
        <NA>
            <DeviceName>SG4re</DeviceName>
            <DeviceID>3</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/0/7</InterfaceName>
        <InterfaceID>52</InterfaceID>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPPEndPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
            <UnitId>1</UnitId>
            <VlanId>1</VlanId>
            <MTU>1522</MTU>
            <Bandwidth unit="Mbps">10</Bandwidth>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<LspServiceDefinition>
    <ServiceDefinitionID key="163841" />
</LspServiceDefinition>
<LSPPattern key="2" />
<ServiceOrderParameter

```

```

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
    <MTUFactor>10</MTUFactor>
    <RouteTarget AutoPick="true" />
    <RouteDistinguisher AutoPick="true" />
</ServiceOrderParameter>
<Reference>
    <Customer key="1" />
    <ServiceDefinition>
        <ServiceDefinitionID key="98304" />
    </ServiceDefinition>
    <Service key="undefined" />
</Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndValidate</Action>
</CustomAction>
</Data>
"

```

Response

```

"<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
        <Identity>
            <Type>ServiceOrder</Type>
            <Value>131073</Value>
        </Identity>
        <Job>
            <ID>917529</ID>
            <Status>INPROGRESS</Status>
        </Job>
        <Code>200</Code>
        <Message>The Service Order Modified Successfully and Validation is in Progress.
Please check the status using the JOB ID.</Message>
    </Status>
</Data>
"

```

Get an E-Line BGP Service Order to Associate an LSP

This request is used to retrieve an E-Line BGP service order for associating an LSP with the service.

| | |
|--------------|--|
| URL | /api/space/nsas/eline-ptp/service-management/service-orders/<orderID> |
| HTTP Method | GET |
| Sample URL | https://192.0.2.10:8443/api/space/nsas/eline-ptp/service-management/service-orders/131073 |
| Accept | application/vnd.net.juniper.space.service-management.service-order+xml;version=2; |
| Content Type | application/vnd.net.juniper.space.service-management.service-order+xml;version=2; charset=UTF-8; |

Request

Not Applicable

Response

```

"<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder key="131073"
uri="/api/space/nsas/eline-ptp/service-management/service-orders/131073"
href="/api/space/nsas/eline-ptp/service-management/service-orders/131073">
      <Common>
        <Name>ELine_CreateLSP</Name>
        <Identity>131073</Identity>
        <State>Validated</State>
        <ScheduledState>Validated</ScheduledState>
        <CreatedDate>2018-06-21T00:33:12.000+05:30</CreatedDate>
        <LastUpdatedDate>2018-06-21T00:33:12.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
        <InstanceType>l2vpn</InstanceType>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <JobIdsList>917529</JobIdsList>
      <LSPPattern
href="/api/space/nsas/lsp-pattern/service-management/service-patterns/2"
uri="/api/space/nsas/lsp-pattern/service-management/service-patterns/2" key="2">
        <PatternName>Full Mesh Default Pattern</PatternName>

```

```

        <PatternID>2</PatternID>
    </LSPPattern>
    <Signaling>BGP</Signaling>
    <Action>Provisioning</Action>
    <endpointcount>0</endpointcount>
    <ServiceEndPointGroup>
        <DeviceInfo>
            <NA key="2" uri="/api/space/nsas/device-roles/pe-devices/2"
href="/api/space/nsas/device-roles/pe-devices/2">
                <DeviceName>SG2re</DeviceName>
                <DeviceID>2</DeviceID>
            </NA>
        </DeviceInfo>
        <ServiceEndPoint>
            <InterfaceName>ge-0/0/6</InterfaceName>
            <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
                <EndPointCategory>PTP</EndPointCategory>
                <TrafficType>QINQ Transport all traffic</TrafficType>

<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
                <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
                <UNIDescription>N/A</UNIDescription>
                <OuterTPID>None</OuterTPID>
                <UnitId>123</UnitId>
                <VlanId>123</VlanId>
                <MTU>1522</MTU>
                <Bandwidth unit="Mbps">10</Bandwidth>
            </ServiceEndpointConfiguration>
            <ServiceTemplates />
            <OppType>ADD</OppType>
        </ServiceEndPoint>
    </ServiceEndPointGroup>
    <ServiceEndPointGroup>
        <DeviceInfo>
            <NA key="3" uri="/api/space/nsas/device-roles/pe-devices/3"
href="/api/space/nsas/device-roles/pe-devices/3">
                <DeviceName>SG4re</DeviceName>
                <DeviceID>3</DeviceID>
            </NA>
        </DeviceInfo>
        <ServiceEndPoint>
            <InterfaceName>ge-0/0/7</InterfaceName>

```

```

        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
            <TrafficType>QINQ Transport all traffic</TrafficType>

<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
    <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
    <UNIDescription>N/A</UNIDescription>
    <OuterTPID>None</OuterTPID>
    <UnitId>1</UnitId>
    <VlanId>1</VlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Mbps">10</Bandwidth>
</ServiceEndpointConfiguration>
<ServiceTemplates />
<OppType>ADD</OppType>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
    <RouteTarget>100:13</RouteTarget>
    <RouteDistinguisher>100:16</RouteDistinguisher>
    <VlanNormalization>Swap</VlanNormalization>
    <MTUFactor>10</MTUFactor>
</ServiceOrderParameter>
<Reference>
    <Customer uri=""/api/space/nsas/customer-management/customers/1"
href=""/api/space/nsas/customer-management/customers/1" key="1">
        <CustomerName>Juniper</CustomerName>
    </Customer>
    <ServiceDefinition>
        <ServiceDefinitionID
uri=""/api/space/nsas/eline-ptp/service-management/service-definitions/98304"
href=""/api/space/nsas/eline-ptp/service-management/service-definitions/98304"
key="98304">

<ServiceDefinitionName>ELine-BGP-QinQ-AllVLAN</ServiceDefinitionName>
        </ServiceDefinitionID>
    </ServiceDefinition>
    <Service
uri=""/api/space/nsas/eline-ptp/service-management/services/196608"
href=""/api/space/nsas/eline-ptp/service-management/services/196608" key="196608"

```

```

    />
    </Reference>
    <LspServiceDefinition>
      <ServiceDefinitionID
uri=""/api/space/nsas/rsvp-lsp/service-management/service-definitions/163841"
href=""/api/space/nsas/rsvp-lsp/service-management/service-definitions/163841"
key="163841">
        <ServiceDefinitionName>ns_test1</ServiceDefinitionName>
      </ServiceDefinitionID>
    </LspServiceDefinition>
    <LspId>131076</LspId>
  </ServiceOrder>
</ServiceResource>
</Data> "
"
```

E-Line BGP Services Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director E-Line BGP Services Management RESTful Web Services.

Get an E-Line BGP Service with Manual Route Distinguisher and Route Target By Service ID

This request is used to retrieve the details of a particular E-Line BGP service with manually-configured route distinguisher and route target.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ptp/service-management/services/<serviceId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml |
| Produces | Collects the details of a specific E-Line BGP service with manually-configured route distinguisher and route target. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
      <Service
href="/api/space/nsas/eline-ptp/service-management/services/2261005"
uri="/api/space/nsas/eline-ptp/service-management/services/2261005"
key="2261005">
        <Common>
          <Name>BGP_PTP</Name>
          <Identity>2261005</Identity>
          <State>Deployed</State>
          <Comments>
          </Comments>
          <CreatedDate>2012-12-17T01:32:09.000+05:30</CreatedDate>
          <LastUpdatedDate>2012-12-17T01:32:09.000+05:30</LastUpdatedDate>
        </Common>
        <ServiceType>BGP</ServiceType>
        <AuditFlag>
          <FunctionalAudit>Pending</FunctionalAudit>
          <FaultStatus>None</FaultStatus>
        </AuditFlag>
        <ServiceEndPointGroup>
          <DeviceInfo>
            <NA href="/api/space/nsas/device-roles/pe-devices/721065"
uri="/api/space/nsas/device-roles/pe-devices/721065" key="721065">
              <DeviceName>exora</DeviceName>
              <DeviceID>721065</DeviceID>
            </NA>
          </DeviceInfo>
          <ServiceEndPoint>
            <InterfaceName>ge-0/0/1.656</InterfaceName>
            <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterServiceType">
              <EndPointCategory>PTP</EndPointCategory>
              <TrafficType>QINQ Transport all traffic</TrafficType>
              <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>

              <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
              <UNIDescription>N/A</UNIDescription>
              <VlanId>656</VlanId>
              <MTU>1522</MTU>
            </ServiceEndpointConfiguration>
          </ServiceEndPoint>
        </ServiceEndPointGroup>
      </Service>
    </ServiceResource>
  </Data>

```

```

    <Bandwidth unit="Mbps">10</Bandwidth>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
  <ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
    <PEDevice_LoopBackIP>50.1.2.3</PEDevice_LoopBackIP>
    <PEDevice_NeighborIP>50.1.2.4</PEDevice_NeighborIP>
  </ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/721075"
uri="/api/space/nsas/device-roles/pe-devices/721075" key="721075">
      <DeviceName>embassy</DeviceName>
      <DeviceID>721075</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>xe-0/0/2.99</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPELineBGPEndPointConfigParameterServiceType">
      <EndPointCategory>PTP</EndPointCategory>
      <TrafficType>QINQ Transport all traffic</TrafficType>
      <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>

      <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
      <UNIDescription>N/A</UNIDescription>
      <VlanId>99</VlanId>
      <MTU>1522</MTU>
      <Bandwidth unit="Mbps">10</Bandwidth>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
  <ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
    <PEDevice_LoopBackIP>50.1.2.4</PEDevice_LoopBackIP>
    <PEDevice_NeighborIP>50.1.2.3</PEDevice_NeighborIP>
  </ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
<ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

```

```
xsi:type="PTPConfigParameterServiceType">
  <RouteTarget>100:10</RouteTarget>
  <RouteDistinguisher>100:36</RouteDistinguisher>
</ServiceParameters>
<Reference>
  <ServiceOrder key="2260992"
href="/api/space/nsas/eline-ptp/service-management/service-orders/2260992"
uri="/api/space/nsas/eline-ptp/service-management/service-orders/2260992"/>
  <ServiceDefinition>
    <ServiceDefinitionID key="360448"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/360448"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/360448"/>

  </ServiceDefinition>
  <Customer key="720896"
href="/api/space/nsas/customer-management/customers/720896"
uri="/api/space/nsas/customer-management/customers/720896"/>
  </Reference>
</Service>
</ServiceResource>
</Data>
```

Modify an E-Line BGP Service with Pseudowire Redundancy

This request is used to modify an E-Line BGP service with pseudowire redundancy. You cannot edit MC-LAG interface settings when you modify a service.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/ services/{service-Id} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.modify-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml;version=2 |

Produces

Modifies an E-Line BGP service with pseudowire redundancy.

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>REDUN_P2P_BGP_SO_Modify</Name>
      </Common>

      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>exora</DeviceName>
            <DeviceID>9863222</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/1/3</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="PTPElineBGPEndPointConfigParameterOrderType">

            <MTU>1522</MTU>
            <Bandwidth unit="Mbps">10</Bandwidth>
          </ServiceEndpointConfiguration>

        </ServiceEndPoint>
        <BackUpSettings>
          <Enable>true</Enable>
          <DeviceInfo>
            <NA>
              <DeviceName>embassy</DeviceName>
              <DeviceID>9863258</DeviceID>
            </NA>
          </DeviceInfo>
        </ServiceEndPoint>
      </ServiceOrder>
    </ServiceResource>
  </Data>
```

```

        <InterfaceName>ge-1/0/4</InterfaceName>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
            <MTU>1522</MTU>
            <Bandwidth unit="Mbps">10</Bandwidth>

        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</BackUpSettings>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA>
            <DeviceName>jaipur</DeviceName>
            <DeviceID>9863247</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/1/2</InterfaceName>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">

            <MTU>1522</MTU>
            <Bandwidth unit="Mbps">10</Bandwidth>
        </ServiceEndpointConfiguration>

    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:type="PTPConfigParameterOrderType">
    <MTU>1522</MTU>
    <VCID>1229</VCID>
</ServiceOrderParameter>
    <Reference>
        <Customer key="819263"
            href="/api/space/nsas/customer-management/customers/819263"
            uri="/api/space/nsas/customer-management/customers/819263" />
    </ServiceDefinition>

```

```

    <ServiceDefinitionID key="9371781"

href="/api/space/nsas/eline-ntp/service-management/service-definitions/9371781"

uri="/api/space/nsas/eline-ntp/service-management/service-definitions/9371781"
/>
</ServiceDefinition>
<Service key="9895979"
  href="/api/space/nsas/eline-ntp/service-management/services/9895979"
  uri="/api/space/nsas/eline-ntp/service-management/services/9895979" />
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>9895979</Value>
    </Identity>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>10846227</Value>
    </Identity>
    <Job>
      <ID>3604509</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
  </Status>
</Data>

```

```
<Message>The Service Modified Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Clone an E-Line BGP Service

This request is used to clone an E-Line BGP service.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/ services/clone/<serviceld> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.clone-service+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml |
| Produces | Clones an E-Line BGP service. |

NOTE: To clone services, for elements in <ServiceEndPoint>, the following list of elements is not allowed in <ServiceEndPoint>

- TrafficType
- PhysicalEncapsulation
- LogicalEncapsulation
- CellBundleSize
- OutGoingLabel
- JitterBuffer
- IdlePattern
- PayloadSize
- ExcessivePacketLossRate

If you enter any of the preceding elements for <ServiceEndPoint>, an appropriate error message is displayed.

Also, ServiceDefinition must not be provided in the <Reference> tag; this value is ignored because it must be the same as the service you are cloning.

Similarly, you cannot specify a different customer while cloning a service because the same <Reference> tag that is used for creating a service is used in cloning a service. As a result, the same customer during service creation is used and a you cannot provide different customer in the clone request.

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>Eline_Test_505_Clone_1</Name>
        <Comments>P2P service order</Comments>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
```

```

    <NA>
    <DeviceName>embassy</DeviceName>
    <DeviceID>360554</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-1/0/1</InterfaceName>
  <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
    <VlanId>238</VlanId>
    <Bandwidth unit="Mbps">20</Bandwidth>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA>
    <DeviceName>exora</DeviceName>
    <DeviceID>360498</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/2</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
      <VlanId>238</VlanId>
      <Bandwidth unit="Mbps">20</Bandwidth>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="PTPConfigParameterOrderType">
    <VCID>238</VCID>
  </ServiceOrderParameter>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="ServiceCustomActionType">
  <Action>Save</Action>

```

```
</CustomAction>
</Data>
```

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>3964937</Value>
    </Identity>
    <Job>
      <ID>1474600</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Created Successfully.</Message>
  </Status>
</Data>
```

Get an E-Line BGP Service with Instance Type as evpn-vpws

This request is used to retrieve an E-Line BGP service with instance type as evpn-vpws.

| | |
|--------------|---|
| URL | /api/space/nsas/eline-ptp/service-management/services/<service id> |
| HTTP Method | GET |
| Sample URL | https://192.0.2.10:8443/api/space/nsas/eline-ptp/service-management/services/819200 |
| Accept | application/vnd.net.juniper.space.service-management.service+xml;version=2 |
| Content Type | Not applicable |

Input

Not Applicable

Output**Sample XML Output**

```

"<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service key="819200"
uri="/api/space/nsas/eline-ntp/service-management/services/819200"
href="/api/space/nsas/eline-ntp/service-management/services/819200">
      <Common>
        <Name>eline-vpws-demo</Name>
        <Identity>819200</Identity>
        <State>DeploymentPending</State>
        <CreatedDate>2018-06-19T20:29:30.000+05:30</CreatedDate>

<LastUpdatedDate>2018-06-19T20:29:30.000+05:30</LastUpdatedDate>
        <InstanceType>evpn-vpws</InstanceType>
      </Common>
      <ServiceType>BGP</ServiceType>
      <Signalling>BGP</Signalling>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <ConfigurationAudit>Pending</ConfigurationAudit>
        <FaultStatus>None</FaultStatus>
        <SLAStatus>None</SLAStatus>
        <OverallStatus>N/A</OverallStatus>
      </AuditFlag>
      <endpointcount>0</endpointcount>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="131076"
uri="/api/space/nsas/device-roles/pe-devices/131076"
href="/api/space/nsas/device-roles/pe-devices/131076">
            <DeviceName>SG3re</DeviceName>
            <DeviceID>131076</DeviceID>
            <CMPDeviceID>131076</CMPDeviceID>
          </NA>
        </DeviceInfo>

```

```

        <ServiceEndPoint>
            <InterfaceName>ge-0/0/3.8</InterfaceName>
            <InterfaceIndex>521</InterfaceIndex>
            <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterServiceType">
                <EndPointCategory>PTP</EndPointCategory>
                <TrafficType>DOT1Q Transport single vlan</TrafficType>

<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
                <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>

                <UNIDescription>N/A</UNIDescription>
                <OuterTPID>None</OuterTPID>
                <UnitId>8</UnitId>
                <VlanId>8</VlanId>
                <MTU>1522</MTU>
                <Bandwidth unit="Mbps">0</Bandwidth>
            </ServiceEndpointConfiguration>
            <ServiceTemplates />
            <ServiceEndpointID>0</ServiceEndpointID>
        </ServiceEndPoint>
        <ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndPointGroupParameterServiceType">
            <PEDevice_LoopBackIP>128.220.11.205</PEDevice_LoopBackIP>

            <PEDevice_NeighborIP>128.220.11.202</PEDevice_NeighborIP>

        </ServiceEndPointGroupParameter>
    </ServiceEndPointGroup>
    <ServiceEndPointGroup>
        <DeviceInfo>
            <NA key="131080"
uri="/api/space/nsas/device-roles/pe-devices/131080"
href="/api/space/nsas/device-roles/pe-devices/131080">
                <DeviceName>SG4re</DeviceName>
                <DeviceID>131080</DeviceID>
                <CMPDeviceID>131082</CMPDeviceID>
            </NA>
        </DeviceInfo>

```

```

        <ServiceEndPoint>
            <InterfaceName>ge-0/0/9.2</InterfaceName>
            <InterfaceIndex>527</InterfaceIndex>
            <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterServiceType">
                <EndPointCategory>PTP</EndPointCategory>
                <TrafficType>DOT1Q Transport single vlan</TrafficType>

<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
                <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>

                <UNIDescription>N/A</UNIDescription>
                <OuterTPID>None</OuterTPID>
                <UnitId>2</UnitId>
                <VlanId>2</VlanId>
                <MTU>1522</MTU>
                <Bandwidth unit="Mbps">0</Bandwidth>
            </ServiceEndpointConfiguration>
            <ServiceTemplates />
            <ServiceEndPointID>0</ServiceEndPointID>
        </ServiceEndPoint>
        <ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndPointGroupParameterServiceType">
            <PEDevice_LoopBackIP>128.220.11.202</PEDevice_LoopBackIP>

            <PEDevice_NeighborIP>128.220.11.205</PEDevice_NeighborIP>

        </ServiceEndPointGroupParameter>
    </ServiceEndPointGroup>
    <ServiceParameters
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterServiceType">
        <RouteTarget>100:3761</RouteTarget>
        <RouteDistinguisher>100:3416</RouteDistinguisher>
        <VlanNormalization>Normalize to Dot1q tag</VlanNormalization>

        <VlanTagToStack>27</VlanTagToStack>
        <MTUFactor>10</MTUFactor>
    </ServiceParameters>

```

```

        <Reference>
          <ServiceOrder
            uri="/api/space/nsas/eline-ptp/service-management/service-orders/1114112"
            href="/api/space/nsas/eline-ptp/service-management/service-orders/1114112"
            key="1114112" />
          <ServiceDefinition>
            <ServiceDefinitionID
              uri="/api/space/nsas/eline-ptp/service-management/service-definitions/557056"
              href="/api/space/nsas/eline-ptp/service-management/service-definitions/557056"
              key="557056">

            <ServiceDefinitionName>eline-vpws-test</ServiceDefinitionName>
            </ServiceDefinitionID>
          </ServiceDefinition>
          <Customer
            uri="/api/space/nsas/customer-management/customers/1"
            href="/api/space/nsas/customer-management/customers/1" key="1">
            <CustomerName>apple</CustomerName>
          </Customer>
        </Reference>
      </Service>
    </ServiceResource>
  </Data>
"
```

Clone an E-Line BGP Service (Version 2)

This request is used to clone an E-Line BGP service.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/ services/clone/<serviceId> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.clone-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml;version=2 |

Produces

Clones an E-Line BGP service in version 2 format.

NOTE: To clone services, for elements in <ServiceEndPoint>, the following list of elements is not allowed in <ServiceEndPoint>

- TrafficType
- PhysicalEncapsulation
- LogicalEncapsulation
- CellBundleSize
- OutGoingLabel
- JitterBuffer
- IdlePattern
- PayloadSize
- ExcessivePacketLossRate

If you enter any of the preceding elements for <ServiceEndPoint>, an appropriate error message is displayed.

Also, ServiceDefinition must not be provided in the <Reference> tag; this value is ignored because it must be the same as the service you are cloning.

Similarly, you cannot specify a different customer while cloning a service because the same <Reference> tag that is used for creating a service is used in cloning a service. As a result, the same customer during service creation is used and a you cannot provide different customer in the clone request.

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>TestClone_MDFSO_APIClone</Name>
      </Common>
    </ServiceOrder>
  </ServiceResource>
</Data>
```

```

<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="786539" uri="/api/space/nsas/device-roles/pe-devices/786539"
      href="/api/space/nsas/device-roles/pe-devices/786539">
      <DeviceName>embassy</DeviceName>
      <DeviceID>786539</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-1/0/7</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
      <UnitId>150</UnitId>
      <VlanId>160</VlanId>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="786568" uri="/api/space/nsas/device-roles/pe-devices/786568"
      href="/api/space/nsas/device-roles/pe-devices/786568">
      <DeviceName>junos-mx80-1-space</DeviceName>
      <DeviceID>786568</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-1/3/6</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
      <UnitId>170</UnitId>
      <VlanId>180</VlanId>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="PTPConfigParameterOrderType">
  <VCID>21471</VCID>
</ServiceOrderParameter>
</ServiceOrder>

```

```
</ServiceResource>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>458992</Value>
    </Identity>
    <Code>200</Code>
    <Message>Service Order Created Successfully. : </Message>
  </Status>
```

Get All E-Line BGP Services

This request is used to retrieve all the configured Layer 2 Ethernet Private Line (EPL, also called E-Line) BGP services.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ptp/service-management/services |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.servicesxml |
| Produces | Collects all the configured E-Line BGP services. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="2">
    <Service href="/api/space/nsas/eline-ptp/service-management/services/262378"
      uri="/api/space/nsas/eline-ptp/service-management/services/262378"
      key="262378">
      <Common>
        <Name>Eline_QinQ_AVlan_001</Name>
        <Identity>262378</Identity>
        <State>Deployed</State>
        <Comments>Eline_QinQ_AVlan_001</Comments>
        <CreateDate>2012-06-28T16:32:56.000+05:30</CreateDate>
        <LastUpdatedDate>2012-06-28T16:32:56.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>BGP</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
      </AuditFlag>
      <Reference>
        <ServiceOrder key="262371"
          href="/api/space/nsas/eline-ptp/service-management/service-orders/262371"
          uri="/api/space/nsas/eline-ptp/service-management/service-orders/262371" />
        <ServiceDefinition>
          <ServiceDefinitionID key="262144"
            href="/api/space/nsas/eline-ptp/service-management/service-definitions/262144"
            uri="/api/space/nsas/eline-ptp/service-management/service-definitions/262144"
            />
        </ServiceDefinition>
        <Customer key="327680"
          href="/api/space/nsas/customer-management/customers/327680"
          uri="/api/space/nsas/customer-management/customers/327680" />
      </Reference>
    </Service>
    <Service href="/api/space/nsas/eline-ptp/service-management/services/262396"
      uri="/api/space/nsas/eline-ptp/service-management/services/262396"
      key="262396">
      <Common>
        <Name>ATM_001</Name>
        <Identity>262396</Identity>
        <State>Deployed</State>
        <Comments>ATM_001</Comments>
        <CreateDate>2012-06-28T16:35:52.000+05:30</CreateDate>
```

```

    <LastUpdatedDate>2012-06-28T16:35:52.000+05:30</LastUpdatedDate>
  </Common>
  <ServiceType>BGP</ServiceType>
  <AuditFlag>
    <FunctionalAudit>Pending</FunctionalAudit>
  </AuditFlag>
  <Reference>
    <ServiceOrder key="262389"
href="/api/space/nsas/eline-ntp/service-management/service-orders/262389"
uri="/api/space/nsas/eline-ntp/service-management/service-orders/262389" />
    <ServiceDefinition>
      <ServiceDefinitionID key="262307"
href="/api/space/nsas/eline-ntp/service-management/service-definitions/262307"
uri="/api/space/nsas/eline-ntp/service-management/service-definitions/262307"
/>
    </ServiceDefinition>
    <Customer key="327680"
href="/api/space/nsas/customer-management/customers/327680"
uri="/api/space/nsas/customer-management/customers/327680" />
  </Reference>
</Service>
</ServiceResource>
</Data>
```

Get All E-Line Services By Customer ID or Name

This request is used to retrieve all the configured Layer 2 Ethernet Private Line (EPL, also called E-Line) services based on customer name or customer ID.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ntp/service-management/ services?customerId=360448 api/space/nsas/eline-ntp/service-management/ services?customerName=Customer_005 |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. services+xml;version=2 |

Produces

Collects all the configured E-Line BGP services based on the customer name or ID.

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="3">
    <Service href="/api/space/nsas/eline-ptp/service-management/services/262378"
      uri="/api/space/nsas/eline-ptp/service-management/services/262378"
      key="262378">
      <Common>
        <Name>Eline_TDM_001</Name>
        <Identity>262378</Identity>
        <State>Deployed</State>
        <Comments>Eline_TDM_001</Comments>
        <CreatedDate>2012-08-09T19:21:25.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-08-09T19:21:25.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>BGP</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
      </AuditFlag>
      <Reference>
        <ServiceOrder key="262371"
          href="/api/space/nsas/eline-ptp/service-management/service-orders/262371"
          uri="/api/space/nsas/eline-ptp/service-management/service-orders/262371" />
        <ServiceDefinition>
          <ServiceDefinitionID key="262279"
            href="/api/space/nsas/eline-ptp/service-management/service-definitions/262279"
            uri="/api/space/nsas/eline-ptp/service-management/service-definitions/262279"
            />
        </ServiceDefinition>
        <Customer key="360448"
          href="/api/space/nsas/customer-management/customers/360448"
          uri="/api/space/nsas/customermanagement/customers/360448" />
      </Reference>
    </Service>
    <Service href="/api/space/nsas/eline-ptp/service-management/services/262423"
      uri="/api/space/nsas/eline-ptp/service-management/services/262423"
```

```

key="262423">
<Common>
<Name>Eline_SO_004</Name>
<Identity>262423</Identity>
<State>Deployed</State>
<Comments>Eline_SO_004</Comments>
<CreateDate>2012-08-09T19:47:09.000+05:30</CreateDate>
<LastUpdatedDate>2012-08-09T19:47:09.000+05:30</LastUpdatedDate>
</Common>
<ServiceType>BGP</ServiceType>
<AuditFlag>
<FunctionalAudit>Pending</FunctionalAudit>
</AuditFlag>
<Reference>
<ServiceOrder key="262416"
href="/api/space/nsas/eline-ptp/service-management/service-orders/262416"
uri="/api/space/nsas/eline-ptp/service-management/service-orders/262416" />
<ServiceDefinition>
<ServiceDefinitionID key="262144"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/262144"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/262144"
/>
</ServiceDefinition>
<Customer key="360448"
href="/api/space/nsas/customer-management/customers/360448"
uri="/api/space/nsas/customermanagement/
customers/360448" />
</Reference>
</Service>
<Service href="/api/space/nsas/eline-ptp/service-management/services/262441"
uri="/api/space/nsas/eline-ptp/service-management/services/262441"
key="262441">
<Common>
<Name>ATM_001</Name>
<Identity>262441</Identity>
<State>Deployed</State>
<Comments>ATM_001</Comments>
<CreateDate>2012-08-09T20:00:15.000+05:30</CreateDate>
<LastUpdatedDate>2012-08-09T20:00:15.000+05:30</LastUpdatedDate>
</Common>
<ServiceType>BGP</ServiceType>
<AuditFlag>

```

```
<FunctionalAudit>Pending</FunctionalAudit>
</AuditFlag>
<Reference>
  <ServiceOrder key="262434"
    href="/api/space/nsas/eline-ptp/service-management/service-orders/262434"
    uri="/api/space/nsas/eline-ptp/service-management/service-orders/262434" />
  <ServiceDefinition>
    <ServiceDefinitionID key="262307"
      href="/api/space/nsas/eline-ptp/service-management/service-definitions/262307"
      uri="/api/space/nsas/eline-ptp/service-management/service-definitions/262307"
    />
  </ServiceDefinition>
  <Customer key="360448"
    href="/api/space/nsas/customer-management/customers/360448"
    uri="/api/space/nsas/customermanagement/
customers/360448" />
</Reference>
</Service>
</ServiceResource>
</Data>
```

Get All E-Line Services with Pagination, Search, and Filter

This request is used to retrieve all the configured Layer 2 Ethernet Private Line (EPL, also called E-Line) services with pagination, and to filter the results based on the search criteria

| | |
|-------------|--|
| URI | api/space/nsas/eline-ptp/service-management/ services?start=2&limit=3&sortorder=asc&sortedby=Name &filteredby="Name::Eline api/space/nsas/eline-ptp/service-management/ services?start=2&limit=3 api/space/nsas/eline-ptp/service-management/ services?paging=(start eq 2, limit eq 3) |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. services+xml;version=2 |

Produces

Collects all the configured E-Line BGP services with pagination applied, and with a filtered result-set that matches the search criteria

NOTE: For service orders, you can sort with “sortedby=CreateDate” and “sortedby=State”.

For Start and Limit attributes, you can provide integer values based on your requirement to sort and filter the API output. Sortorder can be “asc” and “desc”. The SortedBy attribute differs based on the APIs. For service orders, the SortedBy option can be “CtreatedDate”, “State”. For services, the SortedBy option can be “Name”, “LastModifiedDate”. The FilteredBy attribute differs based on the APIs. For service orders, the FilteredBy option can be “Name” and “State”. For services, the FilteredBy option can be “Name”.

If you enter “paging=(starteq 2, limit eq 3)”, which is not a single integer value, the display is according to index of records. In this case, it shows from the first indexed record to the third indexed record. If you enter “start=2&limit=3”, it starts from the second record and displays the next three records in all.

You can specify multiple key:value pairs with the FilteredBy attribute. For example, to get service orders, you can use Get ServiceOrders with Name and State as “filteredby=Name::L3VPN@@State::Invalid”. Similarly, to get service orders, you can use with Name OR state “filteredby=Name::L3VPN!! State::Invalid”.

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="5">
    <Service href="/api/space/nsas/eline-ptp/service-management/services/1179679"
      uri="/api/space/nsas/eline-ptp/service-management/services/1179679"
      key="1179679">
      <Common>
        <Name>Eline</Name>
        <Identity>1179679</Identity>
        <State>Deployed</State>
        <Comments>Eline</Comments>
        <CreateDate>2012-07-02T15:34:00.000+05:30</CreateDate>
        <LastUpdatedDate>2012-07-02T15:34:00.000+05:30</LastUpdatedDate>
      </Common>
```

```
<ServiceType>BGP</ServiceType>
<AuditFlag>
<FunctionalAudit>Pending</FunctionalAudit>
</AuditFlag>
<Reference>
<ServiceOrder key="1179672"
href="/api/space/nsas/eline-ntp/service-management/service-orders/1179672"
uri="/api/space/nsas/eline-ntp/service-management/service-orders/1179672" />
<ServiceDefinition>
<ServiceDefinitionID key="1179648"
href="/api/space/nsas/eline-ntp/service-management/service-definitions/1179648"
uri="/api/space/nsas/eline-ntp/service-management/service-definitions/1179648"
/>
</ServiceDefinition>
<Customer key="327680"
href="/api/space/nsas/customer-management/customers/327680"
uri="/api/space/nsas/customer-management/customers/327680" />
</Reference>
</Service>
</ServiceResource>
</Data>
```

Get All E-Line Services with Pagination

This request is used to retrieve all the configured Layer 2 Ethernet Private Line (EPL, also called E-Line) services with pagination.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ntp/service-management/ services?start=2&limit=3 api/space/nsas/eline-ntp/service-management/ services?paging=(start eq 2, limit eq 3) |
| HTTP Method | GET |
| Consumes | application/vnd.juniper.space.service-management-services+xml;version=2 |
| Produces | Collects all the configured E-Line BGP services with pagination applied |

NOTE: For service orders, you can sort with “sortedby=CreatedDate” and “sortedby=State”.

For Start and Limit attributes, you can provide integer values based on your requirement to sort and filter the API output. Sortorder can be “asc” and “desc”. The SortedBy attribute differs based on the APIs. For service orders, the SortedBy option can be “CtreatedDate”, “State”. For services, the SortedBy option can be “Name”, “LastModifiedDate”. The FilteredBy attribute differs based on the APIs. For service orders, the FilteredBy option can be “Name” and “State”. For services, the FilteredBy option can be “Name”.

If you enter “paging=(starteq 2, limit eq 3)”, which is not a single integer value, the display is according to index of records. In this case, it shows from the first indexed record to the third indexed record. If you enter “start=2&limit=3”, it starts from the second record and displays the next three records in all.

You can specify multiple key:value pairs with the FilteredBy attribute. For example, to get service orders, you can use Get ServiceOrders with Name and State as “filteredby=Name::L3VPN@@State::Invalid”. Similarly, to get service orders, you can use with Name OR state “filteredby=Name::L3VPN!! State::Invalid”.

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="5">
    <Service href="/api/space/nsas/eline-ptp/service-management/services/1179679"
      uri="/api/space/nsas/eline-ptp/service-management/services/1179679"
      key="1179679">
      <Common>
        <Name>Eline</Name>
        <Identity>1179679</Identity>
        <State>Deployed</State>
        <Comments>Eline</Comments>
        <CreatedDate>2012-07-02T15:34:00.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-07-02T15:34:00.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>BGP</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
      </AuditFlag>
    </Service>
  </ServiceResource>
</Data>
```

```
<Reference>
<ServiceOrder key="1179672"
href="/api/space/nsas/eline-ptp/service-management/service-orders/1179672"
uri="/api/space/nsas/eline-ptp/service-management/service-orders/1179672" />
<ServiceDefinition>
<ServiceDefinitionID key="1179648"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/1179648"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/1179648"
/>
</ServiceDefinition>
<Customer key="327680"
href="/api/space/nsas/customer-management/customers/327680"
uri="/api/space/nsas/customer-management/customers/327680" />
</Reference>
</Service>
</ServiceResource>
</Data>
```

Get an E-Line BGP TDM Service with MC-APS By Service ID

This request is used to retrieve the details of a particularE-Line BGP TDM service with MC-APS based on the service ID.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ptp/service-management/ services/<serviceld> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space. service-management.services+xml |
| Produces | Collects the details of a specificE-Line BGP TDM service with MC-APS. |

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service key="753735"
uri="/api/space/nsas/eline-ptp/service-management/services/753735"
href="/api/space/nsas/eline-ptp/service-management/services/753735">
      <Common>
        <Name>P2P_TDM_Service </Name>
        <Identity>753735</Identity>
        <State>Deployed</State>
        <Comments>eswrewter</Comments>
        <CreatedDate>2014-12-24T13:16:59.000+05:30</CreatedDate>
        <LastUpdatedDate>2014-12-24T13:16:59.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>BGP</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
        <SLAStatus>None</SLAStatus>
      </AuditFlag>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="558373" uri="/api/space/nsas/device-roles/pe-devices/558373"
href="/api/space/nsas/device-roles/pe-devices/558373">
            <DeviceName>junos-space3</DeviceName>
            <DeviceID>558373</DeviceID>
            <CMPDeviceID>131370</CMPDeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>t1-0/0/1.0</InterfaceName>
          <InterfaceIndex>622</InterfaceIndex>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterServiceType">
            <EndPointCategory>PTP</EndPointCategory>
            <TrafficType>Transport using port</TrafficType>
            <PhysicalEncapsulation>satop</PhysicalEncapsulation>
            <UNIDescription>chbfhghfhgf</UNIDescription>
            <JitterBuffer>5</JitterBuffer>
            <IdlePattern>255</IdlePattern>
            <ExcessPacketLossRate>20</ExcessPacketLossRate>
            <PayloadSize>192</PayloadSize>

```

```

        </ServiceEndpointConfiguration>
        <ServiceTemplates/>
    </ServiceEndPoint>
    <ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
        <PEDevice_LoopBackIP>30.1.2.9</PEDevice_LoopBackIP>
        <PEDevice_NeighborIP>30.1.2.14</PEDevice_NeighborIP>
    </ServiceEndPointGroupParameter>
    <BackUpSettings>
        <Enable>true</Enable>
        <DeviceInfo>
            <NA key="558373" uri="/api/space/nsas/device-roles/pe-devices/558373"
href="/api/space/nsas/device-roles/pe-devices/558373">
                <DeviceName>junos-space3</DeviceName>
                <DeviceID>558373</DeviceID>
            </NA>
        </DeviceInfo>
    </ServiceEndPoint>
    <InterfaceName>t1-0/0/0.0</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDP endPointConfigParameterServiceType">
        <EndPointCategory>PTP</EndPointCategory>
        <MTU>0</MTU>
        <Bandwidth unit="Mbps">0</Bandwidth>
        <RevertTime>5</RevertTime>
        <SwitchOverDelay>0</SwitchOverDelay>
    </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</BackUpSettings>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA key="558345" uri="/api/space/nsas/device-roles/pe-devices/558345"
href="/api/space/nsas/device-roles/pe-devices/558345">
            <DeviceName>fortius-f2100-b</DeviceName>
            <DeviceID>558345</DeviceID>
            <CMPDeviceID>131338</CMPDeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>

```

```

        <InterfaceName>t1-0/0/7.0</InterfaceName>
        <InterfaceIndex>512</InterfaceIndex>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterServiceType">
            <EndPointCategory>PTP</EndPointCategory>
            <TrafficType>Transport using port</TrafficType>
            <PhysicalEncapsulation>satop</PhysicalEncapsulation>
            <UNIDescription>ghfgh</UNIDescription>
            <JitterBuffer>5</JitterBuffer>
            <IdlePattern>255</IdlePattern>
            <ExcessPacketLossRate>20</ExcessPacketLossRate>
            <PayloadSize>192</PayloadSize>
        </ServiceEndpointConfiguration>
        <ServiceTemplates/>
    </ServiceEndPoint>
    <ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
        <PEDevice_LoopBackIP>30.1.2.14</PEDevice_LoopBackIP>
        <PEDevice_NeighborIP>30.1.2.9</PEDevice_NeighborIP>
    </ServiceEndPointGroupParameter>
    <BackUpSettings>
        <Enable>true</Enable>
        <DeviceInfo>
            <NA key="558373" uri="/api/space/nsas/device-roles/pe-devices/558373"
href="/api/space/nsas/device-roles/pe-devices/558373">
                <DeviceName>junos-space3</DeviceName>
                <DeviceID>558373</DeviceID>
            </NA>
        </DeviceInfo>
    </ServiceEndPoint>
    <InterfaceName>t1-0/0/0.0</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterServiceType">
        <EndPointCategory>PTP</EndPointCategory>
        <MTU>0</MTU>
        <Bandwidth unit="Mbps">0</Bandwidth>
        <RevertTime>5</RevertTime>
        <SwitchOverDelay>0</SwitchOverDelay>
    </ServiceEndpointConfiguration>

```

```

    </ServiceEndPoint>
  </BackUpSettings>
</ServiceEndPointGroup>
<ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMConfigParameterServiceType">
  <MTU>1522</MTU>
  <VCID>2147467285</VCID>
  <EnableMCAPS>true</EnableMCAPS>
</ServiceParameters>
<Reference>
  <ServiceOrder
uri="/api/space/nsas/eline-ptp/service-management/service-orders/753723"
href="/api/space/nsas/eline-ptp/service-management/service-orders/753723"
key="753723"/>
    <ServiceDefinition>
      <ServiceDefinitionID
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/393544"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/393544"
key="393544"/>
    </ServiceDefinition>
      <Customer uri="/api/space/nsas/customer-management/customers/558401"
href="/api/space/nsas/customer-management/customers/558401" key="558401"/>
    </Reference>
  </Service>
</ServiceResource>
</Data>

```

Get E-Line BGP Service Details for Multi-Segment Pseudowires By Service ID

This request is used to retrieve the details of a particular Layer 2 Ethernet Private Line (EPL, also called E-Line) BGP service with a multi-segment pseudowire based on the service ID.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ptp/service-management/ services/<service-Id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. services+xml;version=2 |

Produces

Collects the details of a specific E-Line BGP service with a multi-segment pseudowire.

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service key="393574"
uri="/api/space/nsas/eline-ptp/service-management/services/393574"
href="/api/space/nsas/eline-ptp/service-management/services/393574">
      <Common>
        <Name>P2P_BGP_Multiseg_SO</Name>
        <Identity>393574</Identity>
        <State>Deployed</State>
        <Comments>dsfdsf</Comments>
        <CreatedDate>2014-10-15T12:04:55.000+05:30</CreatedDate>
        <LastUpdatedDate>2014-10-15T12:04:55.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>BGP</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
        <SLAStatus>None</SLAStatus>
      </AuditFlag>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="524351" uri="/api/space/nsas/device-roles/pe-devices/524351"
href="/api/space/nsas/device-roles/pe-devices/524351">
            <DeviceName>embassy</DeviceName>
            <DeviceID>524351</DeviceID>
            <CMPDeviceID>131141</CMPDeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>xe-0/0/1.0</InterfaceName>
          <InterfaceIndex>513</InterfaceIndex>
        </ServiceEndPointConfiguration>
      </ServiceEndPointGroup>
    </ServiceResource>
  </Data>
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="PTPElineLDP endPointConfigParameterServiceType">
    <EndPointCategory>PTP</EndPointCategory>
  </xsi:type>
</Data>
```

```

    <TrafficType>Transport using port</TrafficType>
    <PhysicalEncapsulation>ethernet-ccc</PhysicalEncapsulation>
    <LogicalEncapsulation>N/A</LogicalEncapsulation>
    <UNIDescription>safsd fsdf</UNIDescription>
    <VlanId>0</VlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Mbps">10</Bandwidth>
  </ServiceEndpointConfiguration>
  <ServiceTemplates/>
</ServiceEndPoint>
<ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndPointGroupParameterServiceType">
  <PEDevice_LoopBackIP>50.1.2.4</PEDevice_LoopBackIP>
  <PEDevice_NeighborIP>30.1.2.9</PEDevice_NeighborIP>
</ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="525406" uri="/api/space/nsas/device-roles/pe-devices/525406"
href="/api/space/nsas/device-roles/pe-devices/525406">
      <DeviceName>junos-space3</DeviceName>
      <DeviceID>525406</DeviceID>
      <CMPDeviceID>131145</CMPDeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>iw0.10</InterfaceName>
  <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterServiceType">
    <EndPointCategory>PTP</EndPointCategory>
    <TrafficType>Transport using port</TrafficType>
    <PhysicalEncapsulation>ethernet-ccc</PhysicalEncapsulation>
    <LogicalEncapsulation>N/A</LogicalEncapsulation>
    <StitchingUnit>10</StitchingUnit>
    <UNIDescription>sdfdsf</UNIDescription>
    <VlanId>0</VlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Mbps">10</Bandwidth>
    <StitchedPWSegment>
    <TPEDevice>junos-mx240-space</TPEDevice>

```

```

    <PeerUnitName>12</PeerUnitName>
    <Interface>ge-0/2/6</Interface>
    <VlanId>0</VlanId>
    <VCID>2147467278</VCID>
  </StitchedPWSegment>
</ServiceEndpointConfiguration>
<ServiceTemplates/>
</ServiceEndPoint>
<ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndPointGroupParameterServiceType">
  <PEDevice_LoopBackIP>30.1.2.9</PEDevice_LoopBackIP>
  <PEDevice_NeighborIP>50.1.2.4</PEDevice_NeighborIP>
</ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
  <ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterServiceType">
    <MTU>1522</MTU>
    <VCID>2147467278</VCID>
    <VlanNormalization>Normalization not required</VlanNormalization>
    <MTUFactor>10</MTUFactor>
  </ServiceParameters>
  <Reference>
    <ServiceOrder
uri="/api/space/nsas/eline-ptp/service-management/service-orders/393565"
href="/api/space/nsas/eline-ptp/service-management/service-orders/393565"
key="393565"/>
      <ServiceDefinition>
        <ServiceDefinitionID
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/393544"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/393544"
key="393544"/>
          </ServiceDefinition>
          <Customer uri="/api/space/nsas/customer-management/customers/525426"
href="/api/space/nsas/customer-management/customers/525426" key="525426"/>
            </Reference>
          </Service>
        </ServiceResource>
      </Data>

```

Get E-Line BGP Service Details for Static Pseudowires By Service ID

This request is used to retrieve the details of a particular Layer 2 Ethernet Private Line (EPL, also called E-Line) BGP service with a static pseudowire based on the service ID.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ntp/service-management/services/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml;version=2 |
| Produces | Collects the details of a specific E-Line BGP service with a static pseudowire. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
      <Service key="393578"
uri="/api/space/nsas/eline-ntp/service-management/services/393578"
href="/api/space/nsas/eline-ntp/service-management/services/393578">
        <Common>
          <Name>P2P_BGP_E_SPW_SO</Name>
          <Identity>393578</Identity>
          <State>Deployed</State>
          <Comments>fdgdfgdf</Comments>
          <CreatedDate>2014-09-18T11:57:05.000+05:30</CreatedDate>
          <LastUpdatedDate>2014-09-18T15:29:22.000+05:30</LastUpdatedDate>
        </Common>
        <ServiceType>BGP</ServiceType>
        <AuditFlag>
          <FunctionalAudit>Pending</FunctionalAudit>
          <FaultStatus>None</FaultStatus>
          <SLAStatus>None</SLAStatus>
        </AuditFlag>
        <ServiceEndPointGroup>
          <DeviceInfo>
```

```

    <NA key="524440" uri="/api/space/nsas/device-roles/pe-devices/524440"
href="/api/space/nsas/device-roles/pe-devices/524440">
    <DeviceName>embassy</DeviceName>
    <DeviceID>524440</DeviceID>
    <CMPDeviceID>131133</CMPDeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-1/0/7.512</InterfaceName>
    <InterfaceIndex>526</InterfaceIndex>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterServiceType">
      <EndPointCategory>PTP</EndPointCategory>
      <TrafficType>QINQ Transport single vlan</TrafficType>
      <PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
      <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
      <UNIDescription>hgfh</UNIDescription>
      <OuterTPID>None</OuterTPID>
      <InnerTPID>None</InnerTPID>
      <UnitId>512</UnitId>
      <VlanId>512</VlanId>
      <CustomerVlanId>1</CustomerVlanId>
      <MTU>1522</MTU>
      <Bandwidth unit="Mbps">0</Bandwidth>
      <OutgoingLabel>1000016</OutgoingLabel>
      <IncomingLabel>1000016</IncomingLabel>
    </ServiceEndpointConfiguration>
    <ServiceTemplates/>
  </ServiceEndPoint>
  <ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
    <PEDevice_LoopBackIP>50.1.2.4</PEDevice_LoopBackIP>
    <PEDevice_NeighborIP>30.1.2.1</PEDevice_NeighborIP>
  </ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="524296" uri="/api/space/nsas/device-roles/pe-devices/524296"
href="/api/space/nsas/device-roles/pe-devices/524296">
    <DeviceName>junos-mx240-space</DeviceName>

```

```

    <DeviceID>524296</DeviceID>
    <CMPDeviceID>131117</CMPDeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>em0.512</InterfaceName>
  <InterfaceIndex>17</InterfaceIndex>
  <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterServiceType">
    <EndPointCategory>PTP</EndPointCategory>
    <TrafficType>QINQ Transport single vlan</TrafficType>
    <PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
    <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
    <UNIDescription>rtyrtutyu</UNIDescription>
    <OuterTPID>None</OuterTPID>
    <InnerTPID>None</InnerTPID>
    <UnitId>512</UnitId>
    <VlanId>512</VlanId>
    <CustomerVlanId>1</CustomerVlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Mbps">0</Bandwidth>
    <OutgoingLabel>1000016</OutgoingLabel>
    <IncomingLabel>1000016</IncomingLabel>
  </ServiceEndpointConfiguration>
  <ServiceTemplates/>
</ServiceEndPoint>
  <ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
    <PEDevice_LoopBackIP>30.1.2.1</PEDevice_LoopBackIP>
    <PEDevice_NeighborIP>50.1.2.4</PEDevice_NeighborIP>
  </ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
  <ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterServiceType">
    <MTU>1522</MTU>
    <VCID>2147467265</VCID>
    <VlanNormalization>Normalize to QinQ tags</VlanNormalization>
    <OuterVlanTagToStack>1</OuterVlanTagToStack>
    <InnerVlanTagToStack>1</InnerVlanTagToStack>
  </ServiceParameters>

```

```
<Reference>
  <ServiceOrder
uri="/api/space/nsas/eline-ntp/service-management/service-orders/393569"
href="/api/space/nsas/eline-ntp/service-management/service-orders/393569"
key="393569"/>
  <ServiceDefinition>
  <ServiceDefinitionID
uri="/api/space/nsas/eline-ntp/service-management/service-definitions/393544"
href="/api/space/nsas/eline-ntp/service-management/service-definitions/393544"
key="393544"/>
  </ServiceDefinition>
  <Customer uri="/api/space/nsas/customer-management/customers/525406"
href="/api/space/nsas/customer-management/customers/525406" key="525406"/>
  </Reference>
</Service>
</ServiceResource>
</Data>
```

Get E-Line BGP Service Details with MC-LAG Interfaces By Service ID

This request is used to retrieve the details of a particular Layer 2 Ethernet Private Line (EPL, also called E-Line) BGP service with multichassis link aggregation (MC-LAG) interfaces based on the service ID.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ntp/service-management/ services/<service-Id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. services+xml;version=2 |
| Produces | Collects the details of a specific E-Line BGP service with MC-LAG interfaces. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service key="1540158"
      uri="/api/space/nsas/eline-ptp/service-management/services/1540158"
      href="/api/space/nsas/eline-ptp/service-management/services/1540158">
      <Common>
        <Name>testMCLag_SO_MDFSO_2014-10-1318-55-35.878</Name>
        <Identity>1540158</Identity>
        <State>Deployed</State>
        <CreatedDate>2014-10-14T19:39:16.000+05:30</CreatedDate>
        <LastUpdatedDate>2014-10-14T19:39:16.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>BGP</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
        <SLAStatus>None</SLAStatus>
      </AuditFlag>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="1573073" uri="/api/space/nsas/device-roles/pe-devices/1573073"
            href="/api/space/nsas/device-roles/pe-devices/1573073">
            <DeviceName>embassy</DeviceName>
            <DeviceID>1573073</DeviceID>
            <CMPDeviceID>131226</CMPDeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/0/5.1</InterfaceName>
          <InterfaceIndex>523</InterfaceIndex>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="PTPElineLDPEndPointConfigParameterServiceType">
            <EndPointCategory>PTP</EndPointCategory>
            <TrafficType>DOT1Q Transport single vlan</TrafficType>
            <PhysicalEncapsulation>extended-vlan-ccc</PhysicalEncapsulation>
            <LogicalEncapsulation>extended-vlan-ccc</LogicalEncapsulation>
            <UNIDescription>N/A</UNIDescription>
            <OuterTPID>None</OuterTPID>
            <UnitId>1</UnitId>

```

```

    <VlanId>1</VlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Mbps">0</Bandwidth>
  </ServiceEndpointConfiguration>
  <ServiceTemplates />
</ServiceEndPoint>
<ServiceEndPointGroupParameter
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="PTPServiceEndPointGroupParameterServiceType">
  <PEDevice_LoopBackIP>50.1.2.4</PEDevice_LoopBackIP>
  <PEDevice_NeighborIP>30.1.2.1</PEDevice_NeighborIP>
</ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="1572979" uri="/api/space/nsas/device-roles/pe-devices/1572979"

    href="/api/space/nsas/device-roles/pe-devices/1572979">
    <DeviceName>junos-mx240-space</DeviceName>
    <DeviceID>1572979</DeviceID>
    <CMPDeviceID>131185</CMPDeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-0/3/2.1</InterfaceName>
  <InterfaceIndex>705</InterfaceIndex>
  <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="PTPElineLDPEndPointConfigParameterServiceType">
    <EndPointCategory>PTP</EndPointCategory>
    <TrafficType>DOT1Q Transport single vlan</TrafficType>
    <PhysicalEncapsulation>extended-vlan-ccc</PhysicalEncapsulation>
    <LogicalEncapsulation>extended-vlan-ccc</LogicalEncapsulation>
    <UNIDescription>N/A</UNIDescription>
    <OuterTPID>None</OuterTPID>
    <UnitId>1</UnitId>
    <VlanId>1</VlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Mbps">0</Bandwidth>
  </ServiceEndpointConfiguration>
  <ServiceTemplates />
</ServiceEndPoint>

```

```

    <ServiceEndPointGroupParameter
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
      <PEDevice_LoopBackIP>30.1.2.1</PEDevice_LoopBackIP>
      <PEDevice_NeighborIP>50.1.2.4</PEDevice_NeighborIP>
    </ServiceEndPointGroupParameter>
  </ServiceEndPointGroup>
  <ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterServiceType">
    <MTU>1522</MTU>
    <VCID>2147467265</VCID>
    <VlanNormalization>Swap</VlanNormalization>
    <MTUFactor>10</MTUFactor>
    <EnableMCLAG>true</EnableMCLAG>
  </ServiceParameters>
  <Reference>
    <ServiceOrder
      uri="/api/space/nsas/eline-ptp/service-management/service-orders/1540140"

      href="/api/space/nsas/eline-ptp/service-management/service-orders/1540140"

      key="1540140" />
    </ServiceOrder>
    <ServiceDefinition>
      <ServiceDefinitionID

uri="/api/space/nsas/eline-ptp/service-management/service-definitions/1540096"

href="/api/space/nsas/eline-ptp/service-management/service-definitions/1540096"

      key="1540096" />
    </ServiceDefinition>
    <Customer uri="/api/space/nsas/customer-management/customers/1573103"
      href="/api/space/nsas/customer-management/customers/1573103" key="1573103"
    />
  </Reference>
</Service>
</ServiceResource>
</Data>

```

GetE-Line BGP Service Details By Service ID

This request is used to retrieve the details of a particularE-Line BGP service based on the service ID.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ptp/service-management/services/<service-Id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml;version=2 |
| Produces | Collects the details of a specific E-Line BGP service by service ID. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service
      href="/api/space/nsas/eline-ptp/service-management/services/9895949"
      uri="/api/space/nsas/eline-ptp/service-management/services/9895949"
      key="9895949">
      <Common>
        <Name>REDUN_P2P_BGP_SO</Name>
        <Identity>9895949</Identity>
        <State>Deployed</State>
        <CreatedDate>2013-01-18T12:38:37.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-01-18T12:38:37.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>BGP</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
      </AuditFlag>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/device-roles/pe-devices/9863222"
```

```

uri="/api/space/nsas/device-roles/pe-devices/9863222"
key="9863222">
<DeviceName>exora</DeviceName>
<DeviceID>9863222</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge-0/1/3.1350</InterfaceName>
<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDP endPointConfigParameterServiceType">
<EndPointCategory>PTP</EndPointCategory>
<TrafficType>QINQ Transport all traffic</TrafficType>
<PhysicalEncapsulation>flexible-ethernet-services
</PhysicalEncapsulation>
<LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
<UNIDescription>N/A</UNIDescription>
<OuterTPID>None</OuterTPID>
<VlanId>1350</VlanId>
<MTU>1522</MTU>
<Bandwidth unit="Mbps">10</Bandwidth>
</ServiceEndpointConfiguration>
<ServiceTemplates />
</ServiceEndPoint>
<ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
<PEDevice_LoopBackIP>50.1.2.3</PEDevice_LoopBackIP>
<PEDevice_NeighborIP>10.10.10.10</PEDevice_NeighborIP>
</ServiceEndPointGroupParameter>
<BackUpSettings>
<Enable>true</Enable>
<DeviceInfo>
<NA href="/api/space/nsas/device-roles/pe-devices/9863258"
uri="/api/space/nsas/device-roles/pe-devices/9863258"
key="9863258">
<DeviceName>embassy</DeviceName>
<DeviceID>9863258</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge-1/0/4</InterfaceName>

```

```

<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterServiceType">
<EndPointCategory>PTP</EndPointCategory>
<MTU>1522</MTU>
<Bandwidth unit="Mbps">10</Bandwidth>
<RevertTime>5</RevertTime>
<SwitchOverDelay>0</SwitchOverDelay>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</BackUpSettings>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DeviceInfo>
<NA href="/api/space/nsas/device-roles/pe-devices/9863247"
uri="/api/space/nsas/device-roles/pe-devices/9863247"
key="9863247">
<DeviceName>jaipur</DeviceName>
<DeviceID>9863247</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge-0/1/2.1350</InterfaceName>
<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterServiceType">
<EndPointCategory>PTP</EndPointCategory>
<TrafficType>QINQ Transport all traffic</TrafficType>
<PhysicalEncapsulation>flexible-ethernet-services
</PhysicalEncapsulation>
<LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
<UNIDescription>N/A</UNIDescription>
<OuterTPID>None</OuterTPID>
<VlanId>1350</VlanId>
<MTU>1522</MTU>
<Bandwidth unit="Mbps">10</Bandwidth>
</ServiceEndpointConfiguration>
<ServiceTemplates />
</ServiceEndPoint>
<ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">

```

```

<PEDevice_LoopBackIP>10.10.10.10</PEDevice_LoopBackIP>
<PEDevice_NeighborIP>50.1.2.3</PEDevice_NeighborIP>
</ServiceEndPointGroupParameter>
<BackUpSettings>
<Enable>true</Enable>
<DeviceInfo>
<NA href="/api/space/nsas/device-roles/pe-devices/9863258"
uri="/api/space/nsas/device-roles/pe-devices/9863258"
key="9863258">
<DeviceName>embassy</DeviceName>
<DeviceID>9863258</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge-1/0/4</InterfaceName>
<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterServiceType">
<EndPointCategory>PTP</EndPointCategory>
<MTU>1522</MTU>
<Bandwidth unit="Mbps">10</Bandwidth>
<RevertTime>5</RevertTime>
<SwitchOverDelay>0</SwitchOverDelay>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</BackUpSettings>
</ServiceEndPointGroup>
<ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterServiceType">
<MTU>1522</MTU>
<VCID>1220</VCID>
</ServiceParameters>
<Reference>
<ServiceOrder key="9895936"
href="/api/space/nsas/eline-ptp/service-management/serviceorders/
9895936"
uri="/api/space/nsas/eline-ptp/service-management/serviceorders/
9895936" />
<ServiceDefinition>
<ServiceDefinitionID key="9371780"
href="/api/space/nsas/eline-ptp/service-management/servicedefinitions/
9371780"

```

```
uri="/api/space/nsas/eline-ptp/service-management/servicedefinitions/
9371780" />
</ServiceDefinition>
<Customer key="819263"
href="/api/space/nsas/customer-management/customers/819263"
uri="/api/space/nsas/customer-management/customers/819263" />
</Reference>
</Service>
</ServiceResource>
</Data>
```

Get E-Line BGP Service Details with Burst Size Calculation By Service ID

This request is used to retrieve the details of a particular Layer 2 Ethernet Private Line (EPL, also called E-Line) BGP service with burst size calculation based on the service ID.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ptp/service-management/services/<service-Id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml;version=2 |
| Produces | Collects the details of a specific E-Line BGP service with burst size calculation. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource>
<Service key="917541"
uri="/api/space/nsas/eline-ptp/service-management/services/917541"
href="/api/space/nsas/eline-ptp/service-management/services/917541">
```

```

<Common>
  <Name>P2P_BGP_BurstSizeCal_SO</Name>
  <Identity>917541</Identity>
  <State>Deployed</State>
  <Comments>werwerew</Comments>
  <CreatedDate>2014-09-26T19:01:00.000+05:30</CreatedDate>
  <LastUpdatedDate>2014-09-26T19:01:00.000+05:30</LastUpdatedDate>
</Common>
<ServiceType>BGP</ServiceType>
<AuditFlag>
  <FunctionalAudit>Pending</FunctionalAudit>
  <FaultStatus>None</FaultStatus>
  <SLAStatus>None</SLAStatus>
</AuditFlag>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="558232" uri="/api/space/nsas/device-roles/pe-devices/558232"
href="/api/space/nsas/device-roles/pe-devices/558232">
      <DeviceName>embassy</DeviceName>
      <DeviceID>558232</DeviceID>
      <CMPDeviceID>131158</CMPDeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-1/1/3.1</InterfaceName>
    <InterfaceIndex>534</InterfaceIndex>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterServiceType">
      <EndPointCategory>PTP</EndPointCategory>
      <TrafficType>QINQ Transport single vlan</TrafficType>
      <PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
      <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
      <UNIDescription>retret</UNIDescription>
      <OuterTPID>None</OuterTPID>
      <InnerTPID>None</InnerTPID>
      <UnitId>1</UnitId>
      <VlanId>512</VlanId>
      <CustomerVlanId>2</CustomerVlanId>
      <MTU>1522</MTU>
      <Bandwidth unit="Mbps">10</Bandwidth>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>

```

```

    <ServiceTemplates/>
  </ServiceEndPoint>
  <ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
    <PEDevice_LoopBackIP>50.1.2.4</PEDevice_LoopBackIP>
    <PEDevice_NeighborIP>30.1.2.1</PEDevice_NeighborIP>
  </ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="557067" uri="/api/space/nsas/device-roles/pe-devices/557067"
href="/api/space/nsas/device-roles/pe-devices/557067">
      <DeviceName>junos-mx240-space</DeviceName>
      <DeviceID>557067</DeviceID>
      <CMPDeviceID>131116</CMPDeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>lt-0/0/10.512</InterfaceName>
    <InterfaceIndex>556</InterfaceIndex>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterServiceType">
      <EndPointCategory>PTP</EndPointCategory>
      <TrafficType>QINQ Transport single vlan</TrafficType>
      <PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
      <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
      <UNIDescription>erterte</UNIDescription>
      <OuterTPID>None</OuterTPID>
      <InnerTPID>None</InnerTPID>
      <UnitId>512</UnitId>
      <VlanId>512</VlanId>
      <CustomerVlanId>2</CustomerVlanId>
      <MTU>1522</MTU>
      <Bandwidth unit="Mbps">10</Bandwidth>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
  <ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">

```

```
<PEDevice_LoopBackIP>30.1.2.1</PEDevice_LoopBackIP>
<PEDevice_NeighborIP>50.1.2.4</PEDevice_NeighborIP>
</ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
<ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterServiceType">
  <RouteTarget>100:5</RouteTarget>
  <RouteDistinguisher>100:15</RouteDistinguisher>
  <VlanNormalization>Normalize to QinQ tags</VlanNormalization>
  <OuterVlanTagToStack>1</OuterVlanTagToStack>
  <InnerVlanTagToStack>1</InnerVlanTagToStack>
  <MTUFactor>35</MTUFactor>
</ServiceParameters>
<Reference>
  <ServiceOrder
uri="/api/space/nsas/eline-ptp/service-management/service-orders/917528"
href="/api/space/nsas/eline-ptp/service-management/service-orders/917528"
key="917528"/>
    <ServiceDefinition>
      <ServiceDefinitionID
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/917504"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/917504"
key="917504"/>
    </ServiceDefinition>
    <Customer uri="/api/space/nsas/customer-management/customers/558229"
href="/api/space/nsas/customer-management/customers/558229" key="558229"/>
  </Reference>
</Service>
</ServiceResource>
</Data>
```

Get E-Line Service Details with Normalization Support By Service ID

This request is used to retrieve the details of a particular Layer 2 Ethernet Private Line (EPL, also called E-Line) service configured with normalization of VLANs and logical interface unit-handling, based on the service ID.

| | |
|-----|---|
| URI | api/space/nsas/eline-ptp/service-management/ services/<service-id> |
|-----|---|

| | |
|-------------|--|
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml;version=2 |
| Produces | Collects the details of a specific E-Line service configured with normalization of VLANs and logical unit of interfaces. |

Output (VLAN Normalization: Normalize to Q-in-Q tags)

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service href="/api/space/nsas/eline-ptp/service-management/services/2261005"
      uri="/api/space/nsas/eline-ptp/servicemanagement/
services/2261005" key="2261005">
      <Common>
        <Name>BGP_PTP</Name>
        <Identity>2261005</Identity>
        <State>Deployed</State>
        <Comments>
        </Comments>
        <CreateDate>2012-12-17T01:32:09.000+05:30</CreateDate>
        <LastUpdatedDate>2012-12-17T01:32:09.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>BGP</ServiceType>
      <AuditFlag>
      <FunctionalAudit>Pending</FunctionalAudit>
      <FaultStatus>None</FaultStatus>
    </AuditFlag>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <NA href="/api/space/nsas/device-roles/pe-devices/721065"
          uri="/api/space/nsas/device-roles/pe-devices/721065" key="721065">
          <DeviceName>exora</DeviceName>
          <DeviceID>721065</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-0/0/1.656</InterfaceName>
      </ServiceEndPoint>
    </ServiceEndPointGroup>
  </Service>
</Data>
```

```

<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterServiceType">
<EndPointCategory>PTP</EndPointCategory>
<TrafficType>QINQ Transport all traffic</TrafficType>
<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
<LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
<UNIDescription>N/A</UNIDescription>
<UnitId>13</UnitId>
<VlanId>656</VlanId>
<MTU>1522</MTU>
<Bandwidth unit="Mbps">10</Bandwidth>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
<ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndPointGroupParameterServiceType">
<PEDevice_LoopBackIP>50.1.2.3</PEDevice_LoopBackIP>
<PEDevice_NeighborIP>50.1.2.4</PEDevice_NeighborIP>
</ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DeviceInfo>
<NA href="/api/space/nsas/device-roles/pe-devices/721075"
uri="/api/space/nsas/device-roles/pe-devices/721075" key="721075">
<DeviceName>embassy</DeviceName>
<DeviceID>721075</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>xe-0/0/2.99</InterfaceName>
<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterServiceType">
<EndPointCategory>PTP</EndPointCategory>
<TrafficType>QINQ Transport all traffic</TrafficType>
<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
<LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
<UNIDescription>N/A</UNIDescription>
<UnitId>13</UnitId>
<VlanId>99</VlanId>
<MTU>1522</MTU>

```

```

<Bandwidth unit="Mbps">10</Bandwidth>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
<ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndPointGroupParameterServiceType">
<PEDevice_LoopBackIP>50.1.2.4</PEDevice_LoopBackIP>
<PEDevice_NeighborIP>50.1.2.3</PEDevice_NeighborIP>
</ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
<ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterServiceType">
  <VlanNormalization>Normalize to QinQ tags</VlanNormalization>
  <OuterVlanTagToStack>12</OuterVlanTagToStack>
  <InnerVlanTagToStack>13</InnerVlanTagToStack>
</ServiceParameters>
<Reference>
<ServiceOrder key="2260992"
href="/api/space/nsas/eline-ptp/service-management/service-orders/2260992"
uri="/api/space/nsas/elineptp/
service-management/service-orders/2260992"/>
<ServiceDefinition>
<ServiceDefinitionID key="360448"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/360448"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/360448"/>
</ServiceDefinition>
<Customer key="720896"
href="/api/space/nsas/customer-management/customers/720896"
uri="/api/space/nsas/customermanagement/
customers/720896"/>
</Reference>
</Service>
</ServiceResource>
</Data>

```

Output (VLAN Normalization: Normalize to dot1Q tags)

Sample XML Output

```

    <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
    <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
    <Service href="/api/space/nsas/eline-ptp/service-management/services/2261005"
      uri="/api/space/nsas/eline-ptp/servicemanagement/
services/2261005" key="2261005">
    <Common>
    <Name>BGP_PTP</Name>
    <Identity>2261005</Identity>
    <State>Deployed</State>
    <Comments>
    </Comments>
    <CreateDate>2012-12-17T01:32:09.000+05:30</CreateDate>
    <LastUpdatedDate>2012-12-17T01:32:09.000+05:30</LastUpdatedDate>
    </Common>
    <ServiceType>BGP</ServiceType>
    <AuditFlag>
    <FunctionalAudit>Pending</FunctionalAudit>
    <FaultStatus>None</FaultStatus>
    </AuditFlag>
    <ServiceEndPointGroup>
    <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/721065"
      uri="/api/space/nsas/device-roles/pe-devices/721065" key="721065">
    <DeviceName>exora</DeviceName>
    <DeviceID>721065</DeviceID>
    </NA>
    </DeviceInfo>
    <ServiceEndPoint>
    <InterfaceName>ge-0/0/1.656</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="PTPElineBGPEndPointConfigParameterServiceType">
    <EndPointCategory>PTP</EndPointCategory>
    <TrafficType>QINQ Transport all traffic</TrafficType>
    <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
    <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
    <UNIDescription>N/A</UNIDescription>
    <UnitId>456</UnitId>
    <VlanId>656</VlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Mbps">10</Bandwidth>

```

```

</ServiceEndpointConfiguration>
</ServiceEndPoint>
<ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndPointGroupParameterServiceType">
<PEDevice_LoopBackIP>50.1.2.3</PEDevice_LoopBackIP>
<PEDevice_NeighborIP>50.1.2.4</PEDevice_NeighborIP>
</ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DeviceInfo>
<NA href="/api/space/nsas/device-roles/pe-devices/721075"
uri="/api/space/nsas/device-roles/pe-devices/721075" key="721075">
<DeviceName>embassy</DeviceName>
<DeviceID>721075</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>xe-0/0/2.99</InterfaceName>
<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterServiceType">
<EndPointCategory>PTP</EndPointCategory>
<TrafficType>QINQ Transport all traffic</TrafficType>
<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
<LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
<UNIDescription>N/A</UNIDescription>
<UnitId>456</UnitId>
<VlanId>99</VlanId>
<MTU>1522</MTU>
<Bandwidth unit="Mbps">10</Bandwidth>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
<ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndPointGroupParameterServiceType">
<PEDevice_LoopBackIP>50.1.2.4</PEDevice_LoopBackIP>
<PEDevice_NeighborIP>50.1.2.3</PEDevice_NeighborIP>
</ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
<ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterServiceType">

```

```

    <VlanNormalization>Normalize to Dot1q tag</VlanNormalization>
    <VlanTagToStack>1</VlanTagToStack>
  </ServiceParameters>
  <Reference>
    <ServiceOrder key="2260992"
href="/api/space/nsas/eline-ptp/service-management/service-orders/2260992"
uri="/api/space/nsas/elineptp/
service-management/service-orders/2260992"/>
    <ServiceDefinition>
      <ServiceDefinitionID key="360448"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/360448"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/360448"/>
    </ServiceDefinition>
    <Customer key="720896"
href="/api/space/nsas/customer-management/customers/720896"
uri="/api/space/nsas/customermanagement/
customers/720896"/>
    </Reference>
  </Service>
</ServiceResource>
</Data>

```

Get E-Line BGP TDM Service Details with CESoPSN Support By Service ID

This request is used to retrieve the details of a particular EPL or E-Line BGP service configured with time division multiplexed (TDM) Circuit Emulation Service over Packet-Switched Network (CESoPSN), based on the service ID.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ptp/service-management/ services/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. services+xml;version=2 |
| Produces | Collects the details of a specific E-Line BGP service with TDM CESoPSN configured. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service
href="/api/space/nsas/eline-ntp/service-management/services/393589"
uri="/api/space/nsas/eline-ntp/service-management/services/393589"
key="393589">
      <Common>
        <Name>CESoPSN_SO_Test_Via_API</Name>
        <Identity>393589</Identity>
        <State>Deployed</State>
        <CreatedDate>2014-03-25T11:31:33.000+05:30</CreatedDate>
        <LastUpdatedDate>2014-03-25T11:31:33.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>BGP</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
        <SLAStatus>None</SLAStatus>
      </AuditFlag>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/device-roles/pe-devices/590135"
uri="/api/space/nsas/device-roles/pe-devices/590135" key="590135">
            <DeviceName>junos-space2</DeviceName>
            <DeviceID>590135</DeviceID>
            <CMPDeviceID>131150</CMPDeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ds-0/0/3:3.0</InterfaceName>
          <InterfaceIndex>768</InterfaceIndex>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterServiceType">
            <EndPointCategory>PTP</EndPointCategory>
            <TrafficType>Transport using port</TrafficType>
            <PhysicalEncapsulation>cesopns</PhysicalEncapsulation>
            <UNIDescription>dgfgfdg</UNIDescription>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </Service>
  </ServiceResource>
</Data>

```

```

    <JitterBuffer>5</JitterBuffer>
    <IdlePattern>255</IdlePattern>
    <ExcessPacketLossRate>20</ExcessPacketLossRate>
  </ServiceEndpointConfiguration>
  <ServiceTemplates/>
</ServiceEndPoint>
  <ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
    <PEDevice_LoopBackIP>30.1.2.8</PEDevice_LoopBackIP>
  </ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA href="/api/space/nsas/device-roles/pe-devices/590135"
uri="/api/space/nsas/device-roles/pe-devices/590135" key="590135">
        <DeviceName>junos-space2</DeviceName>
        <DeviceID>590135</DeviceID>
        <CMPDeviceID>131150</CMPDeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ds-0/0/7:3.0</InterfaceName>
      <InterfaceIndex>803</InterfaceIndex>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterServiceType">
        <EndPointCategory>PTP</EndPointCategory>
        <TrafficType>Transport using port</TrafficType>
        <PhysicalEncapsulation>cesopsn</PhysicalEncapsulation>
        <UNIDescription>fghhghf</UNIDescription>
        <JitterBuffer>5</JitterBuffer>
        <IdlePattern>255</IdlePattern>
        <ExcessPacketLossRate>20</ExcessPacketLossRate>
      </ServiceEndpointConfiguration>
      <ServiceTemplates/>
    </ServiceEndPoint>
    <ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
      <PEDevice_LoopBackIP>30.1.2.8</PEDevice_LoopBackIP>
    </ServiceEndPointGroupParameter>

```

```

    </ServiceEndPointGroup>
    <ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMConfigParameterServiceType" />
    <Reference>
    <ServiceOrder key="393581"
href="/api/space/nsas/eline-ntp/service-management/service-orders/393581"
uri="/api/space/nsas/eline-ntp/service-management/service-orders/393581"/>
    <ServiceDefinition>
    <ServiceDefinitionID key="393544"
href="/api/space/nsas/eline-ntp/service-management/service-definitions/393544"
uri="/api/space/nsas/eline-ntp/service-management/service-definitions/393544"/>

    </ServiceDefinition>
    <Customer key="589824"
href="/api/space/nsas/customer-management/customers/589824"
uri="/api/space/nsas/customer-management/customers/589824"/>
    </Reference>
    </Service>
    </ServiceResource>
    </Data>

```

Get E-Line BGP TDM Service Details with Multi-Segment Pseudowire By Service ID

This request is used to retrieve the details of a particular E-Line BGP service configured that contains TDM interfaces with multi-segment pseudowires for P2P BGP TDM, based on the service ID.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ntp/service-management/ services/<service-Id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. services+xml;version=2 |
| Produces | Collects the details of a specific E-Line BGP service with TDM interfaces and a multi-segment pseudowire. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
      <Service key="3604602"
uri="/api/space/nsas/eline-ptp/service-management/services/3604602"
href="/api/space/nsas/eline-ptp/service-management/services/3604602">
        <Common>
          <Name>TDM_SO</Name>
          <Identity>3604602</Identity>
          <State>Deployed</State>
          <Comments>dgfdgdfgfd</Comments>
          <CreatedDate>2014-10-21T10:41:19.000+05:30</CreatedDate>
          <LastUpdatedDate>2014-10-21T10:41:19.000+05:30</LastUpdatedDate>
        </Common>
        <ServiceType>BGP</ServiceType>
        <AuditFlag>
          <FunctionalAudit>Pending</FunctionalAudit>
          <FaultStatus>None</FaultStatus>
          <SLAStatus>None</SLAStatus>
        </AuditFlag>
        <ServiceEndPointGroup>
          <DeviceInfo>
            <NA key="525348" uri="/api/space/nsas/device-roles/pe-devices/525348"
href="/api/space/nsas/device-roles/pe-devices/525348">
              <DeviceName>junos-space5</DeviceName>
              <DeviceID>525348</DeviceID>
              <CMPDeviceID>131125</CMPDeviceID>
            </NA>
          </DeviceInfo>
          <ServiceEndPoint>
            <InterfaceName>t1-0/0/1.0</InterfaceName>
            <InterfaceIndex>591</InterfaceIndex>
            <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterServiceType">
              <EndPointCategory>PTP</EndPointCategory>
              <TrafficType>Transport using port</TrafficType>
              <PhysicalEncapsulation>satop</PhysicalEncapsulation>
              <UNIDescription>N/A</UNIDescription>
              <JitterBuffer>5</JitterBuffer>
              <IdlePattern>255</IdlePattern>
            </ServiceEndpointConfiguration>
          </ServiceEndPoint>
        </ServiceEndPointGroup>
      </Service>
    </ServiceResource>
  </Data>
```

```

        <ExcessPacketLossRate>20</ExcessPacketLossRate>
        <PayloadSize>192</PayloadSize>
    </ServiceEndpointConfiguration>
    <ServiceTemplates/>
</ServiceEndPoint>
    <ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndPointGroupParameterServiceType">
        <PEDevice_LoopBackIP>2.3.3.3</PEDevice_LoopBackIP>
        <PEDevice_NeighborIP>30.1.2.9</PEDevice_NeighborIP>
    </ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
    <ServiceEndPointGroup>
    <DeviceInfo>
        <NA key="525406" uri="/api/space/nsas/device-roles/pe-devices/525406"
href="/api/space/nsas/device-roles/pe-devices/525406">
            <DeviceName>junos-space3</DeviceName>
            <DeviceID>525406</DeviceID>
            <CMPDeviceID>131145</CMPDeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>iw0.23</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterServiceType">
        <EndPointCategory>PTP</EndPointCategory>
        <TrafficType>Transport using port</TrafficType>
        <PhysicalEncapsulation>satop</PhysicalEncapsulation>
        <StitchingUnit>23</StitchingUnit>
        <UNIDescription>N/A</UNIDescription>
        <JitterBuffer>5</JitterBuffer>
        <IdlePattern>255</IdlePattern>
        <ExcessPacketLossRate>20</ExcessPacketLossRate>
        <PayloadSize>192</PayloadSize>
    <StitchedPWSegment>
        <TPEDevice>junos-space5</TPEDevice>
        <PeerUnitName>46</PeerUnitName>
        <Interface>t1-0/0/3</Interface>
        <VlanId>0</VlanId>
        <VCID>2147467288</VCID>
    </StitchedPWSegment>

```

```

        </ServiceEndPointConfiguration>
        <ServiceTemplates/>
    </ServiceEndPoint>
    <ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
        <PEDevice_LoopBackIP>30.1.2.9</PEDevice_LoopBackIP>
        <PEDevice_NeighborIP>2.3.3.3</PEDevice_NeighborIP>
    </ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA key="525406" uri="/api/space/nsas/device-roles/pe-devices/525406"
href="/api/space/nsas/device-roles/pe-devices/525406">
            <DeviceName>junos-space3</DeviceName>
            <DeviceID>525406</DeviceID>
            <CMPDeviceID>131145</CMPDeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
        <PEDevice_LoopBackIP>30.1.2.9</PEDevice_LoopBackIP>
        <PEDevice_NeighborIP>2.3.3.3</PEDevice_NeighborIP>
    </ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
    <ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMConfigParameterServiceType">
        <MTU>1522</MTU>
        <VCID>2147467288</VCID>
        <VlanNormalization>Swap</VlanNormalization>
    </ServiceParameters>
    <Reference>
    <ServiceOrder
uri="/api/space/nsas/eline-ptp/service-management/service-orders/3604584"
href="/api/space/nsas/eline-ptp/service-management/service-orders/3604584"
key="3604584"/>
        <ServiceDefinition>
        <ServiceDefinitionID
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/3407971"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/3407971"

```

```
key="3407971"/>
  </ServiceDefinition>
  <Customer uri="/api/space/nsas/customer-management/customers/525426"
href="/api/space/nsas/customer-management/customers/525426" key="525426"/>
  </Reference>
</Service>
</ServiceResource>
</Data>
```

Get E-Line BGP ATM Service Details with Multi-Segment Pseudowire By Service ID

This request is used to retrieve the details of a particular E-Line BGP service configured that contains ATM interfaces with multi-segment pseudowires forE-Line BGP ATM, based on the service ID.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ptp/service-management/services/<service-Id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml;version=2 |
| Produces | Collects the details of a specific E-Line BGP service with ATM interfaces and a multi-segment pseudowire. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service key="3604613"
uri="/api/space/nsas/eline-ptp/service-management/services/3604613"
href="/api/space/nsas/eline-ptp/service-management/services/3604613">
      <Common>
        <Name>ATM_SO</Name>
```

```

    <Identity>3604613</Identity>
    <State>Deployed</State>
    <Comments>dgfgd</Comments>
    <CreatedDate>2014-10-21T10:41:32.000+05:30</CreatedDate>
    <LastUpdatedDate>2014-10-21T10:41:32.000+05:30</LastUpdatedDate>
  </Common>
  <ServiceType>BGP</ServiceType>
  <AuditFlag>
    <FunctionalAudit>Pending</FunctionalAudit>
    <FaultStatus>None</FaultStatus>
    <SLAStatus>None</SLAStatus>
  </AuditFlag>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA key="525348" uri="/api/space/nsas/device-roles/pe-devices/525348"
href="/api/space/nsas/device-roles/pe-devices/525348">
        <DeviceName>junos-space5</DeviceName>
        <DeviceID>525348</DeviceID>
        <CMPDeviceID>131125</CMPDeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>at-0/0/7.1531</InterfaceName>
      <InterfaceIndex>616</InterfaceIndex>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterServiceType">
        <EndPointCategory>PTP</EndPointCategory>
        <PhysicalEncapsulation>atm-ccc-cell-relay</PhysicalEncapsulation>
        <LogicalEncapsulation>N/A</LogicalEncapsulation>
        <UNIDescription>dfgfgfdgfd</UNIDescription>
        <VPI>34</VPI>
        <VCI>45</VCI>
        <CellBundleSize>1</CellBundleSize>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
    <ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
      <PEDevice_LoopBackIP>2.3.3.3</PEDevice_LoopBackIP>
      <PEDevice_NeighborIP>30.1.2.9</PEDevice_NeighborIP>
    </ServiceEndPointGroupParameter>
  </ServiceEndPointGroup>

```

```

    </ServiceEndPointGroupParameter>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA key="525406" uri="/api/space/nsas/device-roles/pe-devices/525406"
href="/api/space/nsas/device-roles/pe-devices/525406">
        <DeviceName>junos-space3</DeviceName>
        <DeviceID>525406</DeviceID>
        <CMPDeviceID>131145</CMPDeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>iw0.56</InterfaceName>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterServiceType">
        <EndPointCategory>PTP</EndPointCategory>
        <PhysicalEncapsulation>atm-ccc-cell-relay</PhysicalEncapsulation>
        <LogicalEncapsulation>N/A</LogicalEncapsulation>
        <StitchingUnit>56</StitchingUnit>
        <UNIDescription>dsfdsgfg</UNIDescription>
        <VPI>34</VPI>
        <VCI>45</VCI>
        <CellBundleSize>1</CellBundleSize>
        <StitchedPWSegment>
          <TPEDevice>fortius-f4000-a</TPEDevice>
          <PeerUnitName>67</PeerUnitName>
          <Interface>at-1/1/2:1</Interface>
          <VlanId>0</VlanId>
          <VCID>2147467290</VCID>
        </StitchedPWSegment>
      </ServiceEndpointConfiguration>
    <ServiceTemplates/>
  </ServiceEndPoint>
</ServiceEndPointGroupParameter>
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
  <PEDevice_LoopBackIP>30.1.2.9</PEDevice_LoopBackIP>
  <PEDevice_NeighborIP>2.3.3.3</PEDevice_NeighborIP>
</ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
<ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

```

```
xsi:type="PTPATMConfigParameterServiceType">
  <MTU>1522</MTU>
  <VCID>2147467290</VCID>
  <VlanNormalization>Swap</VlanNormalization>
</ServiceParameters>
<Reference>
  <ServiceOrder
uri="/api/space/nsas/eline-ptp/service-management/service-orders/3604593"
href="/api/space/nsas/eline-ptp/service-management/service-orders/3604593"
key="3604593"/>
    <ServiceDefinition>
      <ServiceDefinitionID
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/3407991"

href="/api/space/nsas/eline-ptp/service-management/service-definitions/3407991"
key="3407991"/>
    </ServiceDefinition>
    <Customer uri="/api/space/nsas/customer-management/customers/525426"
href="/api/space/nsas/customer-management/customers/525426" key="525426"/>
    </Reference>
  </Service>
</ServiceResource>
</Data>
```

Stitch an E-Line BGP Service with Multi-Segment Pseudowire

This request is used to stitch an E-Line BGP service with multi-segment pseudowires.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/ services/<service-Id> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.stitching-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml;version=2 |

Produces

Stitches an E-Line BGP service with multi-segment pseudowires.

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>P2P_PortToport_Stitch_API</Name>
        <Comments>werwer</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>BGP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junos-space3</DeviceName>
            <DeviceID>525406</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>iw0</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
            <PEDevLoopBackIP>30.1.2.9</PEDevLoopBackIP>
            <StitchingUnit>17</StitchingUnit>
            <PeerStitchingUnit>38</PeerStitchingUnit>
            <UNIDescription>dgfdg</UNIDescription>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junos-mx80-1-space</DeviceName>
            <DeviceID>524381</DeviceID>
          </NA>
        </DeviceInfo>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>
</Data>
```

```

    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-1/1/6</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
            <PEDevLoopBackIP>50.1.2.4</PEDevLoopBackIP>
            <UNIDescription>sdfdfg</UNIDescription>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
    <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
        <VlanNormalization>Normalization not
required</VlanNormalization>
    </ServiceOrderParameter>
    <Reference>
        <Customer key="525426"/>
    <ServiceDefinition>
        <ServiceDefinitionID key="393544"/>
    </ServiceDefinition>
    <Service key="393574"/>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
    <Identity>
        <Type>Service</Type>
        <Value>3407938</Value>
    </Identity>

```

```
<Identity>
<Type>ServiceOrder</Type>
<Value>3932249</Value>
</Identity>
<Job>
<ID>1081452</ID>
<Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>The Service Stitched Successfully and Validation is in Progress.
Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Stitch an E-Line BGP TDM Service with Multi-Segment Pseudowire

This request is used to stitch an E-Line BGP TDM service with multi-segment pseudowires.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/ services/<service-Id> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.stitching-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml;version=2 |
| Produces | Stitches an E-Line BGP TDM service with multi-segment pseudowires. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
```

```

<ServiceOrder>
  <Common>
    <Name>TDM_Stitching_API</Name>
    <Comments>fdgfdgdfgd</Comments>
  </Common>
  <ServiceType>Point-to-Point Pseudowire</ServiceType>
  <Signaling>BGP</Signaling>
  <Action>Provisioning</Action>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA key="525406" uri="/api/space/nsas/device-roles/pe-devices/525406"
href="/api/space/nsas/device-roles/pe-devices/525406">
        <DeviceName>junos-space3</DeviceName>
        <DeviceID>525406</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>iw0</InterfaceName>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
        <EndPointCategory>PTP</EndPointCategory>
        <TrafficType>Transport using port</TrafficType>
        <PhysicalEncapsulation>SATOP</PhysicalEncapsulation>
        <StitchingUnit>157</StitchingUnit>
        <PeerStitchingUnit>169</PeerStitchingUnit>
        <UNIDescription>N/A</UNIDescription>
        <JitterBuffer>5</JitterBuffer>
        <IdlePattern>255</IdlePattern>
        <ExcessPacketLossRate>20</ExcessPacketLossRate>
        <PayloadSize>192</PayloadSize>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA key="525348" uri="/api/space/nsas/device-roles/pe-devices/525348"
href="/api/space/nsas/device-roles/pe-devices/525348">
        <DeviceName>junos-space5</DeviceName>
        <DeviceID>525348</DeviceID>
      </NA>
    </DeviceInfo>

```

```

    <ServiceEndPoint>
      <InterfaceName>t1-0/0/0</InterfaceName>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
        <EndPointCategory>PTP</EndPointCategory>
        <TrafficType>Transport using port</TrafficType>
        <PhysicalEncapsulation>SATOP</PhysicalEncapsulation>
        <UNIDescription>sdtgfdgfhfd</UNIDescription>
        <JitterBuffer>5</JitterBuffer>
        <IdlePattern>255</IdlePattern>
        <ExcessPacketLossRate>20</ExcessPacketLossRate>
        <PayloadSize>192</PayloadSize>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMConfigParameterOrderType">
    <VlanNormalization>Swap</VlanNormalization>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="525426"/>
    <ServiceDefinition>
      <ServiceDefinitionID key="3407971"/>
    </ServiceDefinition>
    <Service key="3604633"/>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">

```

```
<Status>
<Identity>
<Type>Service</Type>
<Value>3604602</Value>
</Identity>
<Identity>
<Type>ServiceOrder</Type>
<Value>3932271</Value>
</Identity>
<Job>
<ID>1081461</ID>
<Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>The Service Stitched Successfully and Validation is in Progress.
Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Stitch an E-Line BGP ATM Service with Multi-Segment Pseudowire

This request is used to stitch an E-Line BGP ATM service with multi-segment pseudowires.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/ services/<service-id> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.stitching-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml;version=2 |
| Produces | Stitches an E-Line BGP ATM service with multi-segment pseudowires. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>ATM_Stitching_API</Name>
        <Comments>dfg</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>BGP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="525406" uri="/api/space/nsas/device-roles/pe-devices/525406"
href="/api/space/nsas/device-roles/pe-devices/525406">
            <DeviceName>junos-space3</DeviceName>
            <DeviceID>525406</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>iw0</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
            <PhysicalEncapsulation>atm-ccc-cell-relay</PhysicalEncapsulation>
            <StitchingUnit>196</StitchingUnit>
            <PeerStitchingUnit>199</PeerStitchingUnit>
            <UNIDescription>dsfdsgfg</UNIDescription>
            <CellBundleSize>1</CellBundleSize>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceEndPointGroup>
    <DeviceInfo>
      <NA key="525378" uri="/api/space/nsas/device-roles/pe-devices/525378"
href="/api/space/nsas/device-roles/pe-devices/525378">
        <DeviceName>fortius-f4000-a</DeviceName>
        <DeviceID>525378</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
```

```

    <InterfaceName>at-1/1/3:1</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterOrderType">
    <EndPointCategory>PTP</EndPointCategory>
    <PhysicalEncapsulation>atm-ccc-cell-relay</PhysicalEncapsulation>
    <UNIDescription>erteter</UNIDescription>
    <CellBundleSize>1</CellBundleSize>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
  <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMConfigParameterOrderType">
    <VlanNormalization>Swap</VlanNormalization>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="525426" />
    <ServiceDefinition>
      <ServiceDefinitionID key="3407991" />
    </ServiceDefinition>
    <Service key="3604655" />
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>3604613</Value>
    </Identity>
    <Identity>

```

```
<Type>ServiceOrder</Type>
<Value>3932280</Value>
</Identity>
<Job>
<ID>1081467</ID>
<Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>The Service Stitched Successfully and Validation is in Progress.
Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Modify an E-Line BGP TDM Service with CESoPSN Support forE-Line

This request is used to modify an E-Line BGP TDM service configured with CESoPSN forE-Line.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ntp/service-management/services/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.modify-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml;version=2 |
| Produces | Modifies an E-Line BGP TDM service with CESoPSN forE-Line. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
```

```

    <Common>
    <Name>CESoPSN_SO_Modify_Test_Via_API</Name>
    </Common>
    <ServiceType>BGP</ServiceType>
    <AuditFlag>
    <FunctionalAudit>Pending</FunctionalAudit>
    <FaultStatus>None</FaultStatus>
    <SLAStatus>None</SLAStatus>
    </AuditFlag>
    <ServiceEndPointGroup>
    <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/590135"
uri="/api/space/nsas/device-roles/pe-devices/590135" key="590135">
    <DeviceName>junos-space2</DeviceName>
    <DeviceID>590135</DeviceID>
    <CMPDeviceID>131150</CMPDeviceID>
    </NA>
    </DeviceInfo>
    <ServiceEndPoint>
    <InterfaceName>ds-0/0/3:3.0</InterfaceName>
    <InterfaceIndex>768</InterfaceIndex>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
    <JitterBuffer>5</JitterBuffer>
    <IdlePattern>255</IdlePattern>
    <ExcessPacketLossRate>20</ExcessPacketLossRate>
    </ServiceEndpointConfiguration>
    </ServiceEndPoint>
    <ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
    <PEDevice_LoopBackIP>30.1.2.8</PEDevice_LoopBackIP>
    </ServiceEndPointGroupParameter>
    </ServiceEndPointGroup>
    <ServiceEndPointGroup>
    <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/590135"
uri="/api/space/nsas/device-roles/pe-devices/590135" key="590135">
    <DeviceName>junos-space2</DeviceName>
    <DeviceID>590135</DeviceID>
    <CMPDeviceID>131150</CMPDeviceID>

```

```

    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ds-0/0/7:3.0</InterfaceName>
    <InterfaceIndex>803</InterfaceIndex>
    <ServiceEndPointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
      <JitterBuffer>5</JitterBuffer>
      <IdlePattern>255</IdlePattern>
      <ExcessPacketLossRate>20</ExcessPacketLossRate>
    </ServiceEndPointConfiguration>
  </ServiceEndPoint>
  <ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
    <PEDevice_LoopBackIP>30.1.2.8</PEDevice_LoopBackIP>
  </ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
  <ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMConfigParameterOrderType"/>
  </ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
  <Identity>
  <Type>Service</Type>

```

```
<Value>393589</Value>
</Identity>
<Identity>
  <Type>ServiceOrder</Type>
  <Value>393599</Value>
</Identity>
<Job>
  <ID>131119</ID>
  <Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>The Service Modified Successfully and Validation is in Progress.
Please check the status using the JOB ID.</Message>
</Status>    </Data>
```

Modify an E-Line BGP Service

This request is used to modify an E-Line BGP service. You cannot modify MC-LAG settings while you modify a service.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/services/{service-Id} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.modify-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml;version=2 |
| Produces | Modifies an E-Line BGP service. |

Input

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>P2PSERVICE_modified</Name>
        <Comments>New Schema</Comments>
      </Common>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <NA>
          <DeviceName>embassy</DeviceName>
          <DeviceID>2392175</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-1/2/8</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
          <Bandwidth unit="Mbps">70</Bandwidth>
        </ServiceEndpointConfiguration>
      </ServiceEndPoint>
    </ServiceEndPointGroup>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <NA>
          <DeviceName>exora</DeviceName>
          <DeviceID>2392220</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-1/2/8</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
          <Bandwidth unit="Mbps">90</Bandwidth>
        </ServiceEndpointConfiguration>
      </ServiceEndPoint>
    </ServiceEndPointGroup>
  </ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

```

```
xsi:type="ServiceCustomActionType">
  <Action>SaveAndDeployNow</Action>
</CustomAction>
</Data>
```

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>3964937</Value>
    </Identity>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>3964948</Value>
    </Identity>
    <Job>
      <ID>1474600</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Modified Successfully and Validation is in Progress.
Please check the status using the JOB ID.</Message>
  </Status>
</Data>
```

Modify an E-Line BGP Service with Static Pseudowire

This request is used to modify an E-Line BGP service with static pseudowires.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ptp/service-management/ services/{service-Id} |
| HTTP Method | POST |

| | |
|--------------|---|
| Content-Type | application/vnd.net.juniper.space.service-management.modify-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml;version=2 |
| Produces | Modifies an E-Line BGP service with static pseudowires. |

Input

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>P2P_BGP_E_SPW_Modify_Service_08</Name>
        <Comments>fdgdfgdf</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>BGP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="524440" uri="/api/space/nsas/device-roles/pe-devices/524440"
href="/api/space/nsas/device-roles/pe-devices/524440">
            <DeviceName>embassy</DeviceName>
            <DeviceID>524440</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/0/7</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
            <UNIDescription>hgfh</UNIDescription>
            <CustomerVlanId>1</CustomerVlanId>
            <OutgoingLabel>1000016</OutgoingLabel>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceEndPointGroup>
  </ServiceResource>
</Data>

```

```

    <DeviceInfo>
      <NA key="524296" uri="/api/space/nsas/device-roles/pe-devices/524296"
href="/api/space/nsas/device-roles/pe-devices/524296">
        <DeviceName>junos-mx240-space</DeviceName>
        <DeviceID>524296</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>em0</InterfaceName>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
        <UNIDescription>rtyrtutyu</UNIDescription>
        <CustomerVlanId>1</CustomerVlanId>
        <OutgoingLabel>1000016</OutgoingLabel>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
    <VlanNormalization>Normalize to QinQ tags</VlanNormalization>
  </ServiceOrderParameter>
  </ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceCustomActionType">
  <Action>SaveAndDeployNow</Action>
</CustomAction>
</Data>

```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
```

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>393578</Value>
    </Identity>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>852094</Value>
    </Identity>
    <Job>
      <ID>294935</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Order Modified Successfully and Deployment is in
Progress. Please check the status using the JOB ID.</Message>
  </Status>
</Data>
```

Modify an E-Line BGP Service

This request is used to modify an E-Line BGP service.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/ services/{service-Id} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.modify-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml;version=2 |
| Produces | Modifies an E-Line BGP service. |

Input

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>BGP_QinQ_API</Name>
      </Common>

      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="786568" uri="/api/space/nsas/device-roles/pe-devices/786568"
            href="/api/space/nsas/device-roles/pe-devices/786568">
            <DeviceName>junos-mx80-1-space</DeviceName>
            <DeviceID>786568</DeviceID>
            <CMPDeviceID>622660</CMPDeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/1/0</InterfaceName>
          <InterfaceIndex>522</InterfaceIndex>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
            <UNIDescription>A</UNIDescription>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="786568" uri="/api/space/nsas/device-roles/pe-devices/786568"
            href="/api/space/nsas/device-roles/pe-devices/786568">
            <DeviceName>junos-mx80-1-space</DeviceName>
            <DeviceID>786568</DeviceID>
            <CMPDeviceID>622660</CMPDeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/3/0</InterfaceName>
          <InterfaceIndex>542</InterfaceIndex>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="PTPElineBGPEndPointConfigParameterOrderType">

```

```

        <UNIDescription>B</UNIDescription>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

    <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
        <Identity>
            <Type>Service</Type>
            <Value>950332</Value>
        </Identity>
        <Identity>
            <Type>ServiceOrder</Type>
            <Value>1245196</Value>
        </Identity>
        <Job>
            <ID>458781</ID>
            <Status>INPROGRESS</Status>
        </Job>
        <Code>200</Code>
        <Message>The Service Modified Successfully and Validation is in
            Progress. Please check the status using the JOB ID.</Message>
    </Status>
</Data>

```

Modify an E-Line BGP TDM Service with MC-APS

This request is used to modify a previously configured E-Line BGP TDM service with multichassis automatic protection switching (MC-APS) specified.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/services/{service-Id} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.modify-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml;version=2 |
| Produces | Modifies an E-Line BGP service with ATM interfaces and multi-segment pseudowires. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>P2P_BGP_TDM_ModifyService_API</Name>
        <Comments>dfsdf</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>BGP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="558264" uri="/api/space/nsas/device-roles/pe-devices/558264"
href="/api/space/nsas/device-roles/pe-devices/558264">
            <DeviceName>junos-space3</DeviceName>
            <DeviceID>558264</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
```

```

        <InterfaceName>t1-0/0/1</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
            <UNIDescription>dfgdgfd</UNIDescription>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
    <BackUpSettings>
        <Enable>true</Enable>
        <DeviceInfo>
            <NA key="558264" uri="/api/space/nsas/device-roles/pe-devices/558264"
href="/api/space/nsas/device-roles/pe-devices/558264">
                <DeviceName>junos-space3</DeviceName>
                <DeviceID>558264</DeviceID>
            </NA>
        </DeviceInfo>
    </ServiceEndPoint>
    <ServiceEndPoint>
        <InterfaceName>t1-0/0/0</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
            </ServiceEndpointConfiguration>
            <Description>dfgdgfd</Description>
        </ServiceEndPoint>
    </BackUpSettings>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA key="558202" uri="/api/space/nsas/device-roles/pe-devices/558202"
href="/api/space/nsas/device-roles/pe-devices/558202">
            <DeviceName>fortius-f2100-b</DeviceName>
            <DeviceID>558202</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>t1-0/0/7</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
            <UNIDescription>adsafds</UNIDescription>

```

```

        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
    <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMConfigParameterOrderType">
        <EnableMCAPS>true</EnableMCAPS>
    </ServiceOrderParameter>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
        <Identity>
            <Type>Service</Type>
            <Value>2064425</Value>
        </Identity>
        <Identity>
            <Type>ServiceOrder</Type>
            <Value>2064589</Value>
        </Identity>
        <Job>
            <ID>524544</ID>
            <Status>INPROGRESS</Status>
        </Job>
        <Code>200</Code>
        <Message>The Service Modified Successfully and Validation is in Progress.
Please check the status using the JOB ID.</Message>
    </Status>
</Data>

```

Clone an E-Line BGP Service with Static Pseudowire for E-Line

This request is used to clone an E-Line BGP service with static pseudowires for E-Line.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/ services/clone/<serviceId> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.clone-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml;version=2 |
| Produces | Clones an E-Line BGP service with static pseudowires for E-Line. |

NOTE: To clone services, for elements in <ServiceEndPoint>, the following list of elements is not allowed in <ServiceEndPoint>

- TrafficType
- PhysicalEncapsulation
- LogicalEncapsulation
- CellBundleSize
- OutGoingLabel
- JitterBuffer
- IdlePattern
- PayloadSize
- ExcessivePacketLossRate

If you enter any of the preceding elements for <ServiceEndPoint>, an appropriate error message is displayed.

Also, ServiceDefinition must not be provided in the <Reference> tag; this value is ignored because it must be the same as the service you are cloning.

Similarly, you cannot specify a different customer while cloning a service because the same <Reference> tag that is used for creating a service is used in cloning a service. As a result, the same customer during service creation is used and a you cannot provide different customer in the clone request.

The following example illustrates a service that is created and then cloned. The following is the sample input for creating an E-Line BGP service with pseudowires:

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>TestP2P_001</Name>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>BGP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
```

```

        <DeviceName>junos-space2</DeviceName>
        <DeviceID>1343535</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge-0/1/5</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
        <EndPointCategory>PTP</EndPointCategory>
        <UNIDescription>N/A</UNIDescription>
        <UnitId>3</UnitId>
        <VlanId>3</VlanId>
        <MTU>1522</MTU>
        <Bandwidth unit="Mbps">10</Bandwidth>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA>
            <DeviceName>junos-space3</DeviceName>
            <DeviceID>589988</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/1/6</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
            <UNIDescription>N/A</UNIDescription>
            <UnitId>3</UnitId>
            <VlanId>3</VlanId>
            <MTU>1522</MTU>
            <Bandwidth unit="Mbps">10</Bandwidth>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
    <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
        <RouteTarget>69:34</RouteTarget>
        <RouteDistinguisher>69:214746762</RouteDistinguisher>
        <VlanNormalization>Swap</VlanNormalization>
    </ServiceOrderParameter>
</ServiceOrderParameterGroup>

```

```

    <MTUFactor>10</MTUFactor>
  </ServiceOrderParameter>
  <Reference>
    <Customer uri="/api/space/nsas/customer-management/customers/590004"
href="/api/space/nsas/customer-management/customers/590004" key="590004"/>
    <ServiceDefinition>
      <ServiceDefinitionID key="9437234"/>
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

The following is the sample input for cloning the same E-Line BGP service with pseudowires created in the aforementioned example:

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>TestP2P_001_clone</Name>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>BGP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junos-space2</DeviceName>
            <DeviceID>1343535</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/1/5</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
            <UNIDescription>N/A</UNIDescription>
            <UnitId>4</UnitId>
            <VlanId>4</VlanId>
            <Bandwidth unit="Mbps">10</Bandwidth>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>

```

```

</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA>
      <DeviceName>junos-space3</DeviceName>
      <DeviceID>589988</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/6</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
      <EndPointCategory>PTP</EndPointCategory>
      <UNIDescription>N/A</UNIDescription>
      <UnitId>4</UnitId>
      <VlanId>4</VlanId>
      <Bandwidth unit="Mbps">10</Bandwidth>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
  <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
    <RouteTarget>69:35</RouteTarget>
    <RouteDistinguisher>69:214746765</RouteDistinguisher>
    <VlanNormalization>Swap</VlanNormalization>
    <MTUFactor>10</MTUFactor>
  </ServiceOrderParameter>
</ServiceOrder>
</ServiceResource>
</Data>

```

Input

Sample XML Input

```

  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
      <ServiceOrder>
        <Common>
          <Name>P2P_BGP_E_SPW_Clone_Service_API</Name>
          <Comments>fdgdfgdf</Comments>

```

```

    </Common>
    <ServiceType>Point-to-Point Pseudowire</ServiceType>
    <Signaling>BGP</Signaling>
    <Action>Provisioning</Action>
    <ServiceEndPointGroup>
    <DeviceInfo>
    <NA key="524440" uri="/api/space/nsas/device-roles/pe-devices/524440"
href="/api/space/nsas/device-roles/pe-devices/524440">
        <DeviceName>embassy</DeviceName>
        <DeviceID>524440</DeviceID>
    </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-1/0/7</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
            <UNIDescription>hgfh</UNIDescription>
            <VlanId>540</VlanId>
            <CustomerVlanId>1</CustomerVlanId>
            <OutgoingLabel>1000020</OutgoingLabel>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
    <NA key="524296" uri="/api/space/nsas/device-roles/pe-devices/524296"
href="/api/space/nsas/device-roles/pe-devices/524296">
        <DeviceName>junos-mx240-space</DeviceName>
        <DeviceID>524296</DeviceID>
    </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>em0</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
            <UNIDescription>rtyrtutyu</UNIDescription>
            <VlanId>540</VlanId>
            <CustomerVlanId>1</CustomerVlanId>
            <OutgoingLabel>1000020</OutgoingLabel>
        </ServiceEndpointConfiguration>

```

```

        </ServiceEndPoint>
    </ServiceEndPointGroup>
    <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
        <VCID>235613</VCID>
    <VlanNormalization>Normalize to QinQ tags</VlanNormalization>
        <OuterVlanTagToStack>1</OuterVlanTagToStack>
        <InnerVlanTagToStack>1</InnerVlanTagToStack>
    </ServiceOrderParameter>
    </ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceCustomActionType">
    <Action>SaveAndDeployNow</Action>
</CustomAction>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
    <Identity>
        <Type>ServiceOrder</Type>
        <Value>852111</Value>
    </Identity>
    <Code>200</Code>
    <Message>The Service Order was created Successfully and Deployment is in
Progress. Please check the status using the JOB ID. :</Message>
    </Status>
    <Status>
    <Job>
        <ID>294943</ID>
        <Status>INPROGRESS</Status>
    </Job>
    </Status>

```

</Data>

Clone an E-Line Service

This request is used to clone an E-Line service.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/ services/clone/<serviceld> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.clone-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml;version=2 |
| Produces | Clones an E-Line service. |

NOTE: To clone services, for elements in <ServiceEndPoint>, the following list of elements is not allowed in <ServiceEndPoint>

- TrafficType
- PhysicalEncapsulation
- LogicalEncapsulation
- CellBundleSize
- OutGoingLabel
- JitterBuffer
- IdlePattern
- PayloadSize
- ExcessivePacketLossRate

If you enter any of the preceding elements for <ServiceEndPoint>, an appropriate error message is displayed.

Also, ServiceDefinition must not be provided in the <Reference> tag; this value is ignored because it must be the same as the service you are cloning.

Similarly, you cannot specify a different customer while cloning a service because the same <Reference> tag that is used for creating a service is used in cloning a service. As a result, the same customer during service creation is used and a you cannot provide different customer in the clone request.

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>Eline_Test_505_Clone_1</Name>
        <Comments>P2P service order</Comments>
      </Common>
    <ServiceEndPointGroup>
```

```

<DeviceInfo>
  <NA>
  <DeviceName>embassy</DeviceName>
  <DeviceID>360554</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-1/0/1</InterfaceName>
  <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
    <VlanId>238</VlanId>
    <Bandwidth unit="Mbps">20</Bandwidth>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA>
    <DeviceName>exora</DeviceName>
    <DeviceID>360498</DeviceID>
  </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/2</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
      <VlanId>238</VlanId>
      <Bandwidth unit="Mbps">20</Bandwidth>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
  <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
    <VCID>238</VCID>
  </ServiceOrderParameter>
</ServiceOrder>
</ServiceResource>
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceCustomActionType">
    <Action>Save</Action>
  </CustomAction>
</ServiceResource>
</ServiceEndPointGroup>
</ServiceEndPointGroup>

```

```
</CustomAction>
</Data>
```

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>3964937</Value>
    </Identity>
    <Job>
      <ID>1474600</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Created Successfully.</Message>
  </Status>
</Data>
```

Force-Deploy an E-Line Service

This request is used to forcibly deploy a previously created E-Line service.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/services/{serviceId} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.modify-service+xml |

| | |
|----------|---|
| Consumes | <p>application/vnd.net.juniper.space.service-management.service-status+xml</p> <p>The options must be specified in the Action Element inside OperationSpecificData. The various options are as follows:</p> <ul style="list-style-type: none">• DeployNow• DeployLater |
| Produces | Forcibly deploys a previously created E-Line service. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
xmlns:xsi=?http://www.w3.org/2001/XMLSchema-instance">
<CustomAction xsi:type="ServiceCustomActionType">
<Action>DeployLater</Action>
<ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
</CustomAction>
</Data>
```

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<Status>
<Identity>
<Type>Service</Type>
<Value>3964937</Value>
</Identity>
<Identity>
<Type>ServiceOrder</Type>
<Value>3964948</Value>
</Identity>
<Job>
<ID>1474600</ID>
<Status>INPROGRESS</Status>
```

```
</Job>
<Code>200</Code>
<Message>Service Force Deploy was Successfully triggered.
Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Force-Deploy an E-Line BGP Service

This request is used to forcibly deploy a previously created E-Line BGP service.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/services/{serviceId} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.modify-service+xml |
| Consumes | <div>application/vnd.net.juniper.space.service-management.service-status+xml</div> <div>The options must be specified in the Action Element inside OperationSpecificData. The various options are as follows:</div> <div><ul style="list-style-type: none">• DeployNow• DeployLater</div> |
| Produces | Forcibly deploys a previously created E-Line BGP service. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
xmlns:xsi=?http://www.w3.org/2001/XMLSchema-instance">
<CustomAction xsi:type="ServiceCustomActionType">
<Action>DeployLater</Action>
<ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
</CustomAction>
```

```
</Data>
```

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>3964937</Value>
    </Identity>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>3964948</Value>
    </Identity>
    <Job>
      <ID>1474600</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service Force Deploy was Successfully triggered.
Please check the status using the JOB ID.</Message>
  </Status>
</Data>
```

Decommission an E-Line Service Immediately

This request is used to decommission a previously created E-Line service immediately.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/services/{serviceId} |
| HTTP Method | DELETE |
| Content-Type | application/vnd.net.juniper.space.service-management.service+xml |

Produces

Decommissions a previously created E-Line service immediately.

Input

Sample XML Input

No payload is supported or required

Output

Sample XML Output

```
<RESTOperation xmlns="services.schema.networkapi.jmp.juniper.net">
  <Response>
    <Job>
      <ID>1540110</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Identity>
      <Type>Service</Type>
      <Value>2850823</Value>
    </Identity>
    <Data>
      <OperationSpecificData>
        <ResponseMessage>
          <HTTPResponseCode>200</HTTPResponseCode>
          <ResponseMessage>Service Decommission was Successfully triggered.
Please check the status using the JOB ID.</ResponseMessage>
        </ResponseMessage>
      </OperationSpecificData>
    </Data>
  </Response>
</RESTOperation>
```

Decommission an E-Line BGP Service Immediately

This request is used to decommission a previously created E-Line BGP service immediately.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/services/{serviceId} |
| HTTP Method | DELETE |
| Content-Type | application/vnd.net.juniper.space.service-management.service+xml |
| Produces | Decommissions a previously created E-Line BGP service immediately. |

Input

Sample XML Input

No payload is supported or required

Output

Sample XML Output

```
<RESTOperation xmlns="services.schema.networkapi.jmp.juniper.net">
  <Response>
    <Job>
      <ID>1540110</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Identity>
      <Type>Service</Type>
      <Value>2850823</Value>
    </Identity>
    <Data>
      <OperationSpecificData>
        <ResponseMessage>
          <HTTPResponseCode>200</HTTPResponseCode>
        </ResponseMessage>
      </OperationSpecificData>
    </Data>
  </Response>
</RESTOperation>
```

```
<ResponseMessage>Service Decommission was Successfully triggered.Please
check the status using the JOB ID.</ResponseMessage>
</ResponseMessage>
</OperationSpecificData>
</Data>
</Response>
</RESTOperation>
```

Decommission an E-Line Service Later

This request is used to decommission a previously created E-Line service at a defined later time.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/services/{servicId} |
| HTTP Method | DELETE |
| Content-Type | application/vnd.net.juniper.space.service-management.service+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml |
| Produces | Decommissions a previously created E-Line service at a scheduled later time. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Identity>
    <Type>Service</Type>
    <Value>1540110</Value>
  </Identity>
  <CustomAction xsi:type="ServiceCustomActionType">
```

```
<Action>DecommissionLater</Action>
<ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
</CustomAction>
</Data>
```

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1179679</Value>
    </Identity>
    <Job>
      <ID>1998906</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service Decommission was Successfully triggered. Please check
the status using the JOB ID.</Message>
  </Status>
</Data>
```

Bulk Force-Deploy an E-Line Service

This request is used to forcibly deploy previously created services in a bulk operation.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ptp/service-management/ services/{serviceId} |
| HTTP Method | POST |

| | |
|--------------|---|
| Content-Type | application/vnd.net.juniper.space.service-management.modify-service+xml |
| Consumes | <p>application/vnd.net.juniper.space.service-management.service-status+xml</p> <p>The options must be specified in the Action Element inside OperationSpecificData. The various options are as follows:</p> <ul style="list-style-type: none">• DeployNow• DeployLater |
| Produces | Forcibly deploys previously created services in a bulk operation. |

Input (Bulk Force-Deploy Immediately)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
  <Identity>
    <Type>Service</Type>
    <Value>1085688</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085713</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085724</Value>
  </Identity>
  <CustomAction xsi:type="ServiceCustomActionType">
    <Action>DeployNow</Action>
  </CustomAction>
</Data>
```

Input (Bulk Force-Deploy Later)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
  <Identity>
    <Type>Service</Type>
    <Value>1085688</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085713</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085724</Value>
  </Identity>

  <CustomAction xsi:type="ServiceCustomActionType">
    <Action>DeployLater</Action>
    <ScheduledDateTime>
2014-11-12T12:15:18.000</ScheduledDateTime>
  </CustomAction>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1638623</Value>
    </Identity>
    <Job>
      <ID>622725</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
  </Status>
</Data>

```

```
<Message>Service Force Deploy was Successfully triggered. Please check
the status using the JOB ID.</Message>
</Status>
<Status>
  <Identity>
    <Type>Service</Type>
    <Value>1638634</Value>
  </Identity>
  <Job>
    <ID>622730</ID>
    <Status>INPROGRESS</Status>
  </Job>
  <Code>200</Code>
  <Message>Service Force Deploy was Successfully triggered. Please check
the status using the JOB ID.</Message>
</Status>
</Data>
```

Bulk Decommission E-Line Services

This request is used to decommission previously created services in a bulk operation.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/ services/{serviceId} |
| HTTP Method | DELETE |
| Content-Type | application/vnd.net.juniper.space.service-management.service+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml |
| Produces | Performs a single-step, wholesale decommissioning of previously created services. |

Input (Bulk Decommission Immediately)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
  <Identity>
    <Type>Service</Type>
    <Value>1085688</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085713</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085724</Value>
  </Identity>
  <CustomAction xsi:type="ServiceCustomActionType">
    <Action>DecommissionNow</Action>
  </CustomAction>
</Data>

```

Input (Bulk Decommission Later)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
  <Identity>
    <Type>Service</Type>
    <Value>1085688</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085713</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085724</Value>
  </Identity>

```

```

        </Identity>

        <CustomAction xsi:type="ServiceCustomActionType">
            <Action>DecommissionLater</Action>
            <ScheduledDateTime>
2014-11-12T12:15:18.000</ScheduledDateTime>
        </CustomAction>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1638623</Value>
    </Identity>
    <Job>
      <ID>622760</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service Decommission was Successfully triggered. Please check
the status using the JOB ID.</Message>
  </Status>
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1638634</Value>
    </Identity>
    <Job>
      <ID>622761</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service Decommission was Successfully triggered. Please check
the status using the JOB ID.</Message>
  </Status>
</Data>

```

```
        </Status>
    </Data>
```

Deactivation of an E-Line Service

This request is used to deactivate a previously created service.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ntp/service-management/ services/{serviceId} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service.deactivate-service+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml |
| Produces | Deactivates a previously created service. |

Input (Deactivation Immediately)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
    <CustomAction xsi:type="ServiceCustomActionType">
        <Action>DeActivateNow </Action>
    </CustomAction>
</Data>
```

Input (Deactivation Later)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
    <CustomAction xsi:type="ServiceCustomActionType">
        <Action>DeActivateLater</Action>

    <ScheduledDateTime>2014-11-12T12:15:18.000</ScheduledDateTime>
    </CustomAction>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
        <Identity>
            <Type>Service</Type>
            <Value>1638634</Value>
        </Identity>
        <Job>
            <ID>622698</ID>
            <Status>SCHEDULED</Status>
        </Job>
        <Code>200</Code>
        <Message>Service DeActivate was Successfully triggered. Please check
the status using the JOB ID.</Message>
    </Status>
</Data>
```

Bulk Deactivation of E-Line Services

This request is used to deactivate previously created services in a bulk operation.

| | |
|-----|--|
| URI | api/space/nsas/eline-ptp/service-management/ services/{serviceId} |
|-----|--|

| | |
|--------------|---|
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. services.deactivate-services+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml |
| Produces | Performs a single-step deactivation of previously created services. |

Input (Bulk Deactivation Immediately)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
  <Identity>
    <Type>Service</Type>
    <Value>1085688</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085713</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085724</Value>
  </Identity>
  <CustomAction xsi:type="ServiceCustomActionType">
    <Action>DeActivateNow </Action>
  </CustomAction>
</Data>
```

Input (Bulk Deactivation Later)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
  <Identity>
    <Type>Service</Type>
    <Value>1085688</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085713</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085724</Value>
  </Identity>

  <CustomAction xsi:type="ServiceCustomActionType">
    <Action>DeActivateLater</Action>
    <ScheduledDateTime>
2014-11-12T12:15:18.000</ScheduledDateTime>
  </CustomAction>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1638623</Value>
    </Identity>
  <Job>
    <ID>622735</ID>
    <Status>INPROGRESS</Status>
  </Job>
  <Code>200</Code>

```

```

    <Message>Service DeActivate was Successfully triggered. Please check
the status using the JOB ID.</Message>
  </Status>
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1638634</Value>
    </Identity>
    <Job>
      <ID>622740</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service DeActivate was Successfully triggered. Please check
the status using the JOB ID.</Message>
  </Status>
</Data>
```

Reactivation of an E-Line Service

This request is used to reactivate a previously created service.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/ services/{serviceld} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service.reactivate-service+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml |
| Produces | Reactivates a previously created service. |

Input (Reactivation Immediately)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
  <CustomAction xsi:type="ServiceCustomActionType">
    <Action>ReActivateNow </Action>
  </CustomAction>
</Data>

```

Input (Reactivation Later)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
  <CustomAction xsi:type="ServiceCustomActionType">
    <Action>ReActivateLater</Action>
    <ScheduledDateTime></ScheduledDateTime>
  </CustomAction>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1638634</Value>
    </Identity>
    <Job>
      <ID>622718</ID>
      <Status>SCHEDULED</Status>
    </Job>
  </Status>
</Data>

```

```

    </Job>
    <Code>200</Code>
    <Message>Service ReActivate was Successfully triggered. Please check
the status using the JOB ID.</Message>
  </Status>
</Data>

```

Bulk Reactivation of E-Line Services

This request is used to reactivate previously created services in a bulk operation.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/ services/{serviceld} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. services.reactivate-services+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml |
| Produces | Performs a single-step reactivation of previously created services. |

Input (Bulk Reactivation Immediately)

Sample XML Input

```

<Data  xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
  <Identity>
    <Type>Service</Type>
    <Value>1085688</Value>
  </Identity>
  <Identity>

```

```

    <Type>Service</Type>
    <Value>1085713</Value>
      </Identity>
      <Identity>
    <Type>Service</Type>
    <Value>1085724</Value>
      </Identity>
      <CustomAction xsi:type="ServiceCustomActionType">
        <Action>ReActivateNow </Action>
      </CustomAction>
  </Data>

```

Input (Bulk Reactivation Later)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
  <Identity>
    <Type>Service</Type>
    <Value>1085688</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085713</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085724</Value>
  </Identity>

  <CustomAction xsi:type="ServiceCustomActionType">
    <Action>ReActivateLater</Action>
    <ScheduledDateTime>
2014-11-12T12:15:18.000</ScheduledDateTime>
  </CustomAction>
</Data>

```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1638623</Value>
    </Identity>
    <Job>
      <ID>622745</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service ReActivate was Successfully triggered. Please check
the status using the JOB ID.</Message>
  </Status>
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1638634</Value>
    </Identity>
    <Job>
      <ID>622750</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service ReActivate was Successfully triggered. Please check
the status using the JOB ID.</Message>
  </Status>
</Data>
```

Delete an E-Line BGP Service

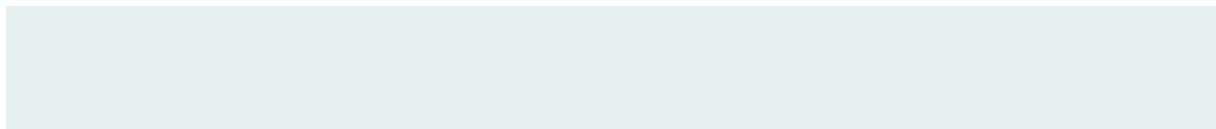
This request is used to delete a previously configured E-Line BGP service.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ptp/service-management/ services/<serviceOrder-id> |
| HTTP Method | DELETE |

| | |
|----------|---|
| Consumes | application/vnd.net.juniper.space.service-management.services+xml |
| Produces | Deletes an E-Line BGP service. |

Output

Sample XML Output



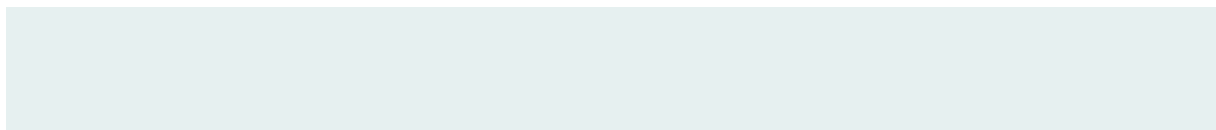
View the Pending Configuration of an E-Line Service

This request is used to view the details of a E-Line service that are pending to be applied to a device.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ptp/service-management/services/view-pendingorderconfiguration/<serviceOrder-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.pendingorder-config+xml |
| Produces | Displays the configuration details of a service pending to be applied to a device. |

Output

Sample XML Output



Get an E-Line Service to Associate an LSP

This request is used to retrieve an E-Line service definition for associating it with an LSP.

| | |
|-------------|---|
| URL | /api/space/nsas/eline-ptp/service-management/services/<orderID> |
| HTTP Method | GET |

| | |
|--------------|---|
| Sample URL | https://192.0.2.10:8443/api/space/nsas/eline-ntp/service-management/services/196608 |
| Accept | application/vnd.net.juniper.space.service-management.service+xml;version=2 |
| Content Type | application/vnd.net.juniper.space.service-management.service+xml;version=2 |

Input

Not Applicable

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service key="196608"
uri="/api/space/nsas/eline-ntp/service-management/services/196608"
href="/api/space/nsas/eline-ntp/service-management/services/196608">
      <Common>
        <Name>ELine_CreateLSP</Name>
        <Identity>196608</Identity>
        <State>Deployed</State>
        <CreatedDate>2018-06-21T00:49:48.000+05:30</CreatedDate>
        <LastUpdatedDate>2018-06-21T00:49:48.000+05:30</LastUpdatedDate>

        <InstanceType>l2vpn</InstanceType>
      </Common>
      <ServiceType>BGP</ServiceType>
      <Signalling>BGP</Signalling>
      <LSPPattern
href="/api/space/nsas/lsp-pattern/service-management/service-patterns/2"
uri="/api/space/nsas/lsp-pattern/service-management/service-patterns/2"
key="2">
        <PatternName>Full Mesh Default Pattern</PatternName>
        <PatternID>2</PatternID>
      </LSPPattern>
      <LspServiceDefinition>
        <ServiceDefinitionID
uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/163841"
href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/163841"
key="163841">
```

```

        <ServiceDefinitionName>ns_test1</ServiceDefinitionName>
    </ServiceDefinitionID>
</LspServiceDefinition>
<LspId>131075</LspId>
<AuditFlag>
    <FunctionalAudit>Pending</FunctionalAudit>
    <ConfigurationAudit>Pending</ConfigurationAudit>
    <FaultStatus>None</FaultStatus>
    <SLAStatus>None</SLAStatus>
    <OverallStatus>N/A</OverallStatus>
</AuditFlag>
<endpointcount>0</endpointcount>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA key="2" uri="/api/space/nsas/device-roles/pe-devices/2"
href="/api/space/nsas/device-roles/pe-devices/2">
            <DeviceName>SG2re</DeviceName>
            <DeviceID>2</DeviceID>
            <CMPDeviceID>2</CMPDeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/0/6.123</InterfaceName>
        <InterfaceIndex>524</InterfaceIndex>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterServiceType">
            <EndPointCategory>PTP</EndPointCategory>
            <TrafficType>QINQ Transport all traffic</TrafficType>

<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
            <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
            <UNIDescription>N/A</UNIDescription>
            <OuterTPID>None</OuterTPID>
            <UnitId>123</UnitId>
            <VlanId>123</VlanId>
            <MTU>1522</MTU>
            <Bandwidth unit="Mbps">10</Bandwidth>
        </ServiceEndpointConfiguration>
        <ServiceTemplates />
        <ServiceEndpointID>0</ServiceEndpointID>
    </ServiceEndPoint>

```

```

        <ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
            <PEDevice_LoopBackIP>128.220.11.209</PEDevice_LoopBackIP>
            <PEDevice_NeighborIP>128.220.11.202</PEDevice_NeighborIP>
        </ServiceEndPointGroupParameter>
    </ServiceEndPointGroup>
    <ServiceEndPointGroup>
        <DeviceInfo>
            <NA key="3" uri="/api/space/nsas/device-roles/pe-devices/3"
href="/api/space/nsas/device-roles/pe-devices/3">
                <DeviceName>SG4re</DeviceName>
                <DeviceID>3</DeviceID>
                <CMPDeviceID>1</CMPDeviceID>
            </NA>
        </DeviceInfo>
        <ServiceEndPoint>
            <InterfaceName>ge-0/0/7.1</InterfaceName>
            <InterfaceIndex>525</InterfaceIndex>
            <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterServiceType">
                <EndPointCategory>PTP</EndPointCategory>
                <TrafficType>QINQ Transport all traffic</TrafficType>

                <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
                <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
                <UNIDescription>N/A</UNIDescription>
                <OuterTPID>None</OuterTPID>
                <UnitId>1</UnitId>
                <VlanId>1</VlanId>
                <MTU>1522</MTU>
                <Bandwidth unit="Mbps">10</Bandwidth>
            </ServiceEndpointConfiguration>
            <ServiceTemplates />
            <ServiceEndpointID>0</ServiceEndpointID>
        </ServiceEndPoint>
        <ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
            <PEDevice_LoopBackIP>128.220.11.202</PEDevice_LoopBackIP>
            <PEDevice_NeighborIP>128.220.11.209</PEDevice_NeighborIP>

```

```

        </ServiceEndPointGroupParameter>
    </ServiceEndPointGroup>
    <ServiceParameters
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterServiceType">
        <RouteTarget>100:13</RouteTarget>
        <RouteDistinguisher>100:16</RouteDistinguisher>
        <VlanNormalization>Swap</VlanNormalization>
        <MTUFactor>10</MTUFactor>
    </ServiceParameters>
    <Reference>
        <ServiceOrder
uri="/api/space/nsas/eline-ptp/service-management/service-orders/131073"
href="/api/space/nsas/eline-ptp/service-management/service-orders/131073"
key="131073" />
        <ServiceDefinition>
            <ServiceDefinitionID
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/98304"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/98304"
key="98304">
                <ServiceDefinitionName>ELine-BGP-QinQ-AllVLAN</ServiceDefinitionName>
            </ServiceDefinitionID>
        </ServiceDefinition>
        <Customer uri="/api/space/nsas/customer-management/customers/1"
href="/api/space/nsas/customer-management/customers/1" key="1">
            <CustomerName>Juniper</CustomerName>
        </Customer>
    </Reference>
</Service>
</ServiceResource>
</Data>

```

E-Line LDP Service Definitions Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director E-Line LDP Service Definitions Management RESTful Web Services.

Get All E-Line LDP Service Definitions

This request is used to retrieve all the configured Layer 2 Ethernet Private Line (EPL, also called E-Line) LDP service definitions.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ptp/service-management/service-definitions |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-definitions+xml |
| Produces | Collects all the configured E-Line LDP service definitions. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="19">
    <ServiceDefinition
href="/api/space/nsas/eline-ptp/service-management/service-definitions/262144"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/262144"

key="262144">
      <Common>
        <Name>ELine-QinQ-AllVLAN</Name>
        <Identity>262144</Identity>
        <State>Published</State>
        <Comments>Used to deliver a point-to-point service between two remote
sites, with high BW requirements.</Comments>
        <CreateDate>2012-06-28T15:10:55.000+05:30</CreateDate>
        <LastUpdatedDate>2012-06-28T15:10:55.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>ELINEMartini</ServiceType>
      <InterfaceType>ETHERNET</InterfaceType>
      <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterDefType" />
        <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
```

```

xsi:type="PTPEndPointParameterDefType" />
</ServiceDefinition>
<ServiceDefinition
href="/api/space/nsas/eline-ptp/service-management/service-definitions/262156"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/262156"

key="262156">
  <Common>
    <Name>ELine-EM</Name>
    <Identity>262156</Identity>
    <State>Published</State>
    <Comments>Used to deliver a point-to-point service between two remote
sites on EM interface only.</Comments>
    <CreatedDate>2012-06-28T15:10:55.000+05:30</CreatedDate>
<LastUpdatedDate>2012-06-28T15:10:55.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <ServiceType>ELINEMartini</ServiceType>
  <InterfaceType>ETHERNET</InterfaceType>
  <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterDefType" />
    <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType" />
  </ServiceDefinition>
<ServiceDefinition
href="/api/space/nsas/eline-ptp/service-management/service-definitions/262167"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/262167"

key="262167">
  <Common>
    <Name>ELine-QinQ-AllVLAN-CCC</Name>
    <Identity>262167</Identity>
    <State>Published</State>
    <Comments>Used to deliver a point-to-point service between two remote
sites, with high BW requirements.</Comments>
    <CreatedDate>2012-06-28T15:10:55.000+05:30</CreatedDate>
    <LastUpdatedDate>2012-06-28T15:10:55.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <ServiceType>ELINEMartini</ServiceType>

```

```

    <InterfaceType>ETHERNET</InterfaceType>
    <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterDefType" />
    <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType" />
  </ServiceDefinition>
  <ServiceDefinition
href="/api/space/nsas/eline-ptp/service-management/service-definitions/262292"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/262292"

key="262292">
  <Common>
    <Name>Static TDM pseudowire</Name>
    <Identity>262292</Identity>
    <State>Published</State>
    <Comments>TDM Point to point Static pseudowire</Comments>
    <CreateDate>2012-06-28T15:11:00.000+05:30</CreateDate>
    <LastUpdatedDate>2012-06-28T15:11:00.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <ServiceType>ELINEMartini</ServiceType>
  <InterfaceType>ETHERNET</InterfaceType>
  <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterDefType" />
    <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType" />
  </ServiceDefinition>
  <ServiceDefinition
href="/api/space/nsas/eline-ptp/service-management/service-definitions/262307"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/262307"

key="262307">
  <Common>
    <Name>ATM pseudowire</Name>
    <Identity>262307</Identity>
    <State>Published</State>
    <Comments>ATM Point to point pseudowire</Comments>
    <CreateDate>2012-06-28T15:11:00.000+05:30</CreateDate>

```

```
<LastUpdatedDate>2012-06-28T15:11:00.000+05:30</LastUpdatedDate>
<CreatedBy>super</CreatedBy>
</Common>
<ServiceType>ELINEMartini</ServiceType>
<InterfaceType>ETHERNET</InterfaceType>
<ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterDefType" />
  <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType" />
</ServiceDefinition>
</ServiceResource>
</Data>
```

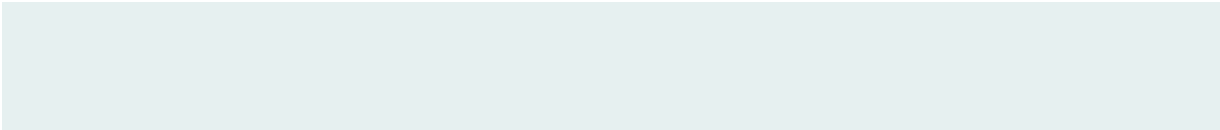
Get All PublishedE-Line Service Definitions

This request is used to retrieve all the publishedE-Line service definitions.

| | |
|--------------|--|
| URI | All service types: /api/space/nsas/service-management/ service-definitions/published E-Line : /api/space/nsas/eline-ptp/service-management/ service-definitions/published |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-definitions+xml;version=2 |
| Content Type | application/vnd.net.juniper.space.service-management service-definitions+xml;charset=UTF-8 |
| Produces | Collects all the published E-Line service definitions. |

Output

Sample XML Output



Get All E-Line Service Definitions by Filter Criterion

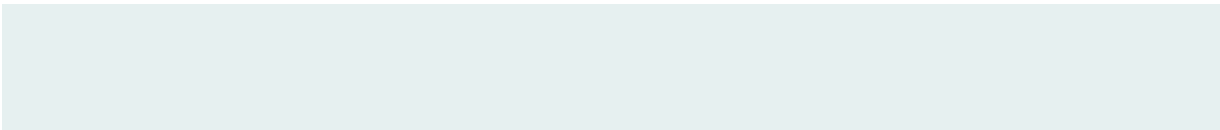
This request is used to retrieve all the configured E-Line service definitions that match the specified filter criterion. You can filter and retrieve service definitions based on the name, service type, signaling type, and state.

| | |
|-------------|--|
| URI | <div>/api/space/nsas/eline-ptp/service-management/service-definitions?filteredby=State::unPublished</div> <div>/api/space/nsas/eline-ptp/service-management/service-definitions?filteredby=Name::CreateP2PSD01</div> <div>/api/space/nsas/eline-ptp/service-management/service-definitions?filteredby=ServiceType::P2P(ETHERNET)</div> <div>/api/space/nsas/eline-ptp/service-management/service-definitions?filteredby=Signaling::LDP</div> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-definitions+xml;version=2 |
| Produces | Collects all the configured E-Line service definitions that match the filter criteria |

NOTE: For E-Line, IP, and E-LAN service definitions, the FilteredBy option can be Name, ServiceType, Signaling, and State.

Output

Sample XML Output



Get All E-Line LDP Service Definitions with Pagination

This request is used to retrieve all the configured Layer 2 Ethernet Private Line (EPL, also called E-Line) LDP service definitions with pagination.

| | |
|-------------|---|
| URI | <p>api/space/nsas/eline-ntp/service-management/service-definitions?start=4&limit=2</p> <p>api/space/nsas/eline-ntp/service-management/service-definitions?paging=(start eq 4, limit eq 2)</p> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-definitions+xml;version=2 |
| Produces | Collects all the configured E-Line LDP service definitions with pagination applied. |

NOTE: For service orders, you can sort with “sortedby=CreatedDate” and “sortedby=State”.

For Start and Limit attributes, you can provide integer values based on your requirement to sort and filter the API output. Sortorder can be “asc” and “desc”. The SortedBy attribute differs based on the APIs. For service orders, the SortedBy option can be “CtreatedDate”, “State”. For services, the SortedBy option can be “Name”, “LastModifiedDate”. The FilteredBy attribute differs based on the APIs. For service orders, the FilteredBy option can be “Name” and “State”. For services, the FilteredBy option can be “Name”.

If you enter “paging=(starteq 2, limit eq 3)”, which is not a single integer value, the display is according to index of records. In this case, it shows from the first indexed record to the third indexed record. If you enter “start=2&limit=3”, it starts from the second record and displays the next three records in all.

You can specify multiple key:value pairs with the FilteredBy attribute. For example, to get service orders, you can use Get ServiceOrders with Name and State as “filteredby=Name::L3VPN@@State::Invalid”. Similarly, to get service orders, you can use with Name OR state “filteredby=Name::L3VPN!! State::Invalid”.

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="19">
    <ServiceDefinition
      href="/api/space/nsas/eline-ptp/service-management/service-definitions/262191"
      uri="/api/space/nsas/eline-ptp/service-management/service-definitions/262191"
      key="262191">
        <Common>
          <Name>ELine-QinQ-VLANRange</Name>
          <Identity>262191</Identity>
          <State>Published</State>
          <Comments>Used to deliver a point-to-point service between two
            remote sites, with high BW requirements.</Comments>
          <CreatedDate>2012-06-28T15:10:57.000+05:30</CreatedDate>
          <LastUpdatedDate>2012-06-28T15:10:57.000+05:30</LastUpdatedDate>
          <CreatedBy>super</CreatedBy>
        </Common>
        <ServiceType>ELINEMartini</ServiceType>
        <InterfaceType>ETHERNET</InterfaceType>
        <ServiceElementConfigurationDefinition
          xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
          xsi:type="PTPSERVICEEndpointGroupParameterDefType" />
        <ServiceEndPointConfigurationDefinition
          xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
          xsi:type="PTPEndPointParameterDefType" />
        </ServiceDefinition>
      <ServiceDefinition
        href="/api/space/nsas/eline-ptp/service-management/service-definitions/262205"
        uri="/api/space/nsas/eline-ptp/service-management/service-definitions/262205"
        key="262205">
          <Common>
            <Name>ELine-QinQ-VLANRange-CCC</Name>
            <Identity>262205</Identity>
            <State>Published</State>
            <Comments>Used to deliver a point-to-point service between two
              remote sites,with high BW requirements.</Comments>
            <CreatedDate>2012-06-28T15:10:57.000+05:30</CreatedDate>
            <LastUpdatedDate>2012-06-28T15:10:57.000+05:30</LastUpdatedDate>
            <CreatedBy>super</CreatedBy>
          </Common>
          <ServiceType>ELINEMartini</ServiceType>
          <InterfaceType>ETHERNET</InterfaceType>
          <ServiceElementConfigurationDefinition

```

```
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterDefType" />
<ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType" />
</ServiceDefinition>
</ServiceResource>
</Data>
```

Get All E-Line LDP Service Definitions with Pagination, Search, and Filter

This request is used to retrieve all the configured Layer 2 Ethernet Private Line (EPL, also called E-Line) LDP service definitions with pagination, and to filter the results based on the search criteria

| | |
|-------------|--|
| URI | api/space/nsas/eline-ptp/service-management/ service-definitions?start=4&limit=2 api/space/nsas/eline-ptp/service-management/ service-definitions?paging=(start eq 4, limit eq 2) |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-definitions+xml;version=2 |
| Produces | Collects all the configured E-Line LDP service definitions with pagination applied, and with a filtered result-set that matches the search criteria |

NOTE: For service orders, you can sort with “sortedby=CreatedDate” and “sortedby=State”.

For Start and Limit attributes, you can provide integer values based on your requirement to sort and filter the API output. Sortorder can be “asc” and “desc”. The SortedBy attribute differs based on the APIs. For service orders, the SortedBy option can be “CtreatedDate”, “State”. For services, the SortedBy option can be “Name”, “LastModifiedDate”. The FilteredBy attribute differs based on the APIs. For service orders, the FilteredBy option can be “Name” and “State”. For services, the FilteredBy option can be “Name”.

If you enter “paging=(starteq 2, limit eq 3)”, which is not a single integer value, the display is according to index of records. In this case, it shows from the first indexed record to the third indexed record. If you enter “start=2&limit=3”, it starts from the second record and displays the next three records in all.

You can specify multiple key:value pairs with the FilteredBy attribute. For example, to get service orders, you can use Get ServiceOrders with Name and State as “filteredby=Name::L3VPN@@State::Invalid”. Similarly, to get service orders, you can use with Name OR state “filteredby=Name::L3VPN!! State::Invalid”.

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="19">
    <ServiceDefinition
      href="/api/space/nsas/eline-ptp/service-management/service-definitions/262191"
      uri="/api/space/nsas/eline-ptp/service-management/service-definitions/262191"
      key="262191">
      <Common>
        <Name>ELine-QinQ-VLANRange</Name>
        <Identity>262191</Identity>
        <State>Published</State>
        <Comments>Used to deliver a point-to-point service between two
        remote sites, with high BW requirements.</Comments>
        <CreatedDate>2012-06-28T15:10:57.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-06-28T15:10:57.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>ELINEMartini</ServiceType>
```

```
<InterfaceType>ETHERNET</InterfaceType>
<ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterDefType" />
<ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType" />
</ServiceDefinition>
<ServiceDefinition
href="/api/space/nsas/eline-ptp/service-management/service-definitions/262205"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/262205"
key="262205">
<Common>
<Name>ELine-QinQ-VLANRange-CCC</Name>
<Identity>262205</Identity>
<State>Published</State>
<Comments>Used to deliver a point-to-point service between two
remote sites,with high BW requirements.</Comments>
<CreateDate>2012-06-28T15:10:57.000+05:30</CreateDate>
<LastUpdatedDate>2012-06-28T15:10:57.000+05:30</LastUpdatedDate>
<CreatedBy>super</CreatedBy>
</Common>
<ServiceType>ELINEMartini</ServiceType>
<InterfaceType>ETHERNET</InterfaceType>
<ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterDefType" />
<ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType" />
</ServiceDefinition>
</ServiceResource>
</Data>
```

Get an E-Line LDP Service Definition By Definition ID

This request is used to retrieve the details of a particular Layer 2 Ethernet Private Line (EPL, also called E-Line) LDP service definition based on the service definition ID.

| | |
|-----|--|
| URI | api/space/nsas/eline-ptp/service-management/ service-definitions/<servicedefinition-id> |
|-----|--|

| | |
|-------------|---|
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition+xml |
| Produces | Collects the details of a specific E-Line LDP service definition. |

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition
href="/api/space/nsas/eline-ntp/service-management/service-definitions/393618"
uri="/api/space/nsas/eline-ntp/service-management/service-definitions/393618"
key="393618">
      <Common>
        <Name>P2P_LDP_PortToPortTest_Via_API</Name>
        <Identity>393618</Identity>
        <State>Unpublished</State>
        <Comments>P2P_LDP_PortToPort test</Comments>
        <CreatedDate>2014-03-12T18:20:13.000+05:30</CreatedDate>
        <LastUpdatedDate>2014-03-12T18:20:13.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
      <InterfaceType>Ethernet</InterfaceType>
      <EnableL3Access>false</EnableL3Access>
      <PWResiliency>false</PWResiliency>
      <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterDefType">
        <VCID default="1" selection="Auto pick" editable="true" min="1"
max="4294967296"/>
        <MTU default="1522" editable="true" min="1522" max="9192"/>
        <VlanNormalization>Normalization not required</VlanNormalization>
      </ServiceElementConfigurationDefinition>
      <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

```

```
xsi:type="PTPEndPointParameterDefType">
  <EthernetOption>port-port</EthernetOption>
  <VlanIdSelection editable="false"/>
  <TrafficType>N/A</TrafficType>
  <VlanIdAuto default="0" min="0" max="0"/>
  <VlanIdManual default="0" min="0" max="0"/>
  <PhysicalEncapsulation>ethernet-ccc</PhysicalEncapsulation>
  <LogicalEncapsulation/>
  <MTU default="1522" editable="true" min="1522" max="9192"/>
  <EnableRateLimiting>Enabled</EnableRateLimiting>
  <DefaultBandwidth default="1" editable="true" min="1" max="100"
unit="Mbps">10</DefaultBandwidth>
  <MinBandwidth min="64" max="100000" unit="Kbps">1000</MinBandwidth>
  <MaxBandwidth min="1" max="100000" unit="Mbps">100</MaxBandwidth>
  <Increment default="64" min="64" max="100000" unit="Kbps">1000</Increment>

</ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>
```

Get E-Line LDP Service Definition Details for Multi-Segment Pseudowires By Definition ID

This request is used to retrieve the details of a particular Layer 2 Ethernet Private Line (EPL, also called E-Line) LDP service definition with a multi-segment pseudowire based on the service definition ID.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ptp/service-management/ service-definitions/<servicedefinition-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition+xml;version=2 |
| Produces | Collects the details of a specific E-Line LDP service definition with a multi-segment pseudowire. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
      <ServiceDefinition key="393544"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/393544"

href="/api/space/nsas/eline-ptp/service-management/service-definitions/393544">

        <Common>
          <Name>P2P_LDP_Multiseg_SD</Name>
          <Identity>393544</Identity>
          <State>Published</State>
          <Comments>rewterter</Comments>
          <CreateDate>2014-10-15T12:01:47.000+05:30</CreateDate>
          <LastUpdatedDate>2014-10-15T12:01:47.000+05:30</LastUpdatedDate>
          <CreatedBy>super</CreatedBy>
        </Common>
        <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
        <InterfaceType>Ethernet</InterfaceType>
        <StaticpseudoWire>false</StaticpseudoWire>
        <EnableL3Access>false</EnableL3Access>
        <MultiSegmentPseudowire>true</MultiSegmentPseudowire>
        <PWResiliency>false</PWResiliency>
        <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterDefType">
          <VCID max="4294967296" min="1" editable="false" selection="Auto pick"
default="1"/>
          <MTU max="9192" min="1522" editable="false" default="1522"/>
          <VlanNormalization>Normalization not required</VlanNormalization>
          <OutGoingLabel/>
        </ServiceElementConfigurationDefinition>
        <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType">
          <EthernetOption>port-port</EthernetOption>
          <VlanIdSelection editable="false"/>
          <TrafficType>N/A</TrafficType>
          <VlanIdAuto max="0" min="0" default="0"/>
          <VlanIdManual max="0" min="0" default="0"/>
          <PhysicalEncapsulation>ethernet-ccc</PhysicalEncapsulation>
```

```
<LogicalEncapsulation/>
<MTU max="9192" min="1522" editable="false" default="1522"/>
<EnableRateLimiting>Enabled</EnableRateLimiting>
<DefaultBandwidth unit="Mbps" max="100" min="1" editable="false"
default="1">10</DefaultBandwidth>
<MinBandwidth unit="Kbps" max="100000" min="64">0</MinBandwidth>
<MaxBandwidth unit="Mbps" max="100000" min="1">0</MaxBandwidth>
<Increment unit="Kbps" max="100000" min="64" default="64">0</Increment>
<CalculateBurstSizeType>MTU Based</CalculateBurstSizeType>
<MTUFactor editable="false">10</MTUFactor>
</ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>
```

Get E-Line LDP Service Definition Details for Static Pseudowires By Definition ID

This request is used to retrieve the details of a particular Layer 2 Ethernet Private Line (EPL, also called E-Line) LDP service definition with a static pseudowire based on the service definition ID.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ptp/service-management/service-definitions/ <servicedefinition-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition+xml;version=2 |
| Produces | Collects the details of a specific E-Line LDP service definition with a static pseudowire. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
      <ServiceDefinition key="393544"
uri="/api/space/nsas/eline-ntp/service-management/service-definitions/393544"

href="/api/space/nsas/eline-ntp/service-management/service-definitions/393544">

        <Common>
          <Name>P2P_LDP_E_SPW_SD</Name>
          <Identity>393544</Identity>
          <State>Published</State>
          <Comments>ewrwe</Comments>
          <CreatedDate>2014-09-18T11:19:51.000+05:30</CreatedDate>
          <LastUpdatedDate>2014-09-18T11:19:51.000+05:30</LastUpdatedDate>
          <CreatedBy>super</CreatedBy>
        </Common>
        <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
        <InterfaceType>Ethernet</InterfaceType>
        <StaticpseudoWire>true</StaticpseudoWire>
        <EnableL3Access>false</EnableL3Access>
        <PWResiliency>false</PWResiliency>
        <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterDefType">
          <VCID max="4294967296" min="1" editable="false" selection="Auto pick"
default="1"/>
          <MTU max="9192" min="1522" editable="false" default="1522"/>
          <VlanNormalization>Normalize to QinQ tags</VlanNormalization>
          <OutGoingLabel>Select manually</OutGoingLabel>
        </ServiceElementConfigurationDefinition>
        <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType">
          <EthernetOption>qinq</EthernetOption>
          <VlanIdSelection editable="false" selection="Auto pick"/>
          <TrafficType>Transport single vlan</TrafficType>
          <VlanIdAuto max="0" min="0" default="0"/>
          <VlanIdManual max="0" min="0" default="0"/>
          <PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
          <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
          <MTU max="9192" min="1522" editable="false" default="1522"/>

```

```
<EnableRateLimiting>Not enabled</EnableRateLimiting>
<DefaultBandwidth unit="Mbps" max="100" min="1" editable="false"
default="1">N/A</DefaultBandwidth>
<MinBandwidth unit="Kbps" max="100000" min="64">0</MinBandwidth>
<MaxBandwidth unit="Mbps" max="100000" min="1">0</MaxBandwidth>
<Increment unit="Kbps" max="100000" min="64" default="64">0</Increment>
<CalculateBurstSizeType>MTU Based</CalculateBurstSizeType>
<MTUFactor editable="false">10</MTUFactor>
</ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>
```

Get E-Line Service Definition Details with Normalization Support By Definition ID

This request is used to retrieve the details of a particular Layer 2 Ethernet Private Line (EPL, also called E-Line) service definition configured with normalization of VLANs, based on the service definition ID.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ptp/service-management/service-definitions/ <servicedefinition-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition+xml;version=2 |
| Produces | Collects the details of a specific E-LINE service definition configured with normalization of VLANs. |

Output (VLAN Normalization: Normalize to Q-in-Q tags)

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
```

```

    <ServiceResource>
      <ServiceDefinition key="1867845"
uri="/api/space/nsas/eline-ntp/service-management/service-definitions/1867845"

href="/api/space/nsas/eline-ntp/service-management/service-definitions/1867845">

    <Common>
      <Name>P2P_LDP_ BrustPeriod</Name>
      <Identity>1867845</Identity>
      <State>Published</State>
      <Comments>ertert</Comments>

    <CreatedDate>2014-06-23T12:36:23.000+05:30</CreatedDate>

    <LastUpdatedDate>2014-06-23T12:36:23.000+05:30</LastUpdatedDate>
      <CreatedBy>super</CreatedBy>

    </Common>
    <ServiceType>Point-to-Point Pseudowire (LDP)</ServiceType>
    <InterfaceType>Ethernet</InterfaceType>
    <EnableL3Access>false</EnableL3Access>
    <PWResiliency>false</PWResiliency>
    <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterDefType">
      <VCID max="4294967296" min="1" editable="false" selection="Auto pick"
default="1"/>
      <MTU max="9192" min="1522" editable="false" default="1522"/>
      <VlanNormalization> Normalize to QinQ tags </VlanNormalization>
    </ServiceElementConfigurationDefinition>
    <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType">
      <EthernetOption>port-port</EthernetOption>
      <VlanIdSelection editable="false"/>
      <TrafficType>N/A</TrafficType>
      <VlanIdAuto max="0" min="0" default="0"/>
      <VlanIdManual max="0" min="0" default="0"/>
      <PhysicalEncapsulation>ethernet-ccc</PhysicalEncapsulation>
      <LogicalEncapsulation/>
      <MTU max="9192" min="1522" editable="false" default="1522"/>
      < CalculateBurstSizeType>Line Rate Based</ CalculateBurstSizeType>
      <BurstPeriod  editable="true">10</BurstPeriod>

```

```

    <EnableRateLimiting>Not enabled</EnableRateLimiting>
    <DefaultBandwidth unit="Mbps" max="100" min="1" editable="false"
default="1">N/A</DefaultBandwidth>
    <MinBandwidth unit="Kbps" max="100000" min="64">0</MinBandwidth>
    <MaxBandwidth unit="Mbps" max="100000" min="1">0</MaxBandwidth>
    <Increment unit="Kbps" max="100000" min="64" default="64">0</Increment>
  </ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Output (VLAN Normalization: Normalize to dot1Q tags)

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition key="1867845"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/1867845"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/1867845">

      <Common>
        <Name>P2P_LDP_ MTUBased</Name>
        <Identity>1867845</Identity>
        <State>Published</State>
        <Comments>ertert</Comments>

      <CreatedDate>2014-06-23T12:36:23.000+05:30</CreatedDate>

      <LastUpdatedDate>2014-06-23T12:36:23.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
      <InterfaceType>Ethernet</InterfaceType>
      <EnableL3Access>false</EnableL3Access>
      <PWResiliency>false</PWResiliency>
    </ServiceDefinition>
  </ServiceResource>
</Data>

```

```

    <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterDefType">
    <VCID max="4294967296" min="1" editable="false" selection="Auto pick"
default="1"/>
    <MTU max="9192" min="1522" editable="false" default="1522"/>
    <VlanNormalization> Normalize to Dot1Q tag </VlanNormalization>
</ServiceElementConfigurationDefinition>
    <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType">
    <EthernetOption>port-port</EthernetOption>
    <VlanIdSelection editable="false"/>
    <TrafficType>N/A</TrafficType>
    <VlanIdAuto max="0" min="0" default="0"/>
    <VlanIdManual max="0" min="0" default="0"/>
    <PhysicalEncapsulation>ethernet-ccc</PhysicalEncapsulation>
    <LogicalEncapsulation/>
    <MTU max="9192" min="1522" editable="false" default="1522"/>
    <CalculateBurstSizeType>MTU Based</CalculateBurstSizeType>
    <MTUFactor editable="true">10</MTUFactor>
    <EnableRateLimiting>Not enabled</EnableRateLimiting>
    <DefaultBandwidth unit="Mbps" max="100" min="1" editable="false"
default="1">N/A</DefaultBandwidth>
    <MinBandwidth unit="Kbps" max="100000" min="64">0</MinBandwidth>
    <MaxBandwidth unit="Mbps" max="100000" min="1">0</MaxBandwidth>
    <Increment unit="Kbps" max="100000" min="64" default="64">0</Increment>
</ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Get E-Line LDP TDM Service Definition Details with CESoPSN Support By Definition ID

This request is used to retrieve the details of a particular EPL or E-Line LDP service definition configured with time division multiplexed (TDM) Circuit Emulation Service over Packet-Switched Network (CESoPSN), based on the service definition ID.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ptp/service-management/service-definitions/<servicedefinition-Id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition+xml;version=2 |
| Produces | Collects the details of a specific E-Line LDP service definition with TDM CESoPSN configured. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition
href="/api/space/nsas/eline-ptp/service-management/service-definitions/393921"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/393921"
key="393921">
      <Common>
        <Name>P2P_LDM_TDM_CESoPSN_Test</Name>
        <Identity>393921</Identity>
        <State>Unpublished</State>
        <Comments>werewr</Comments>
        <CreatedDate>2014-03-24T19:14:55.000+05:30</CreatedDate>
        <LastUpdatedDate>2014-03-24T19:14:55.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
      <InterfaceType>TDM</InterfaceType>
      <StaticpseudoWire>false</StaticpseudoWire>
      <PWResiliency>false</PWResiliency>
      <ServiceElementConfigurationDefinition

```

```

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMServiceEndpointGroupParameterDefType">
  <VCID default="1" selection="Auto pick" editable="true" min="1"
max="4294967296"/>
  <MTU default="1522" editable="false" min=" " max=" "/>
  <OutGoingLabel/>
</ServiceElementConfigurationDefinition>
<ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointParameterDefType">
  <PhysicalEncapsulation>cesopsn</PhysicalEncapsulation>
  <JitterBuffer editable="true">5</JitterBuffer>
  <IdlePattern editable="true" min="0" max="255">255</IdlePattern>
  <ExcessPacketLossRate editable="true" min="0"
max="100">20</ExcessPacketLossRate>
</ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Get E-Line LDP TDM Service Definition Details with Multi-Segment Pseudowire By Definition ID

This request is used to retrieve the details of a particular E-Line LDP service definition configured that contains TDM interfaces with multi-segment pseudowires for E-Line LDP TDM, based on the service definition ID.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ntp/service-management/ service-definitions/<servicedefinition-Id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition+xml;version=2 |
| Produces | Collects the details of a specific E-Line LDP service definition with TDM interfaces and a multi-segment pseudowire. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition key="3407971"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/3407971"

href="/api/space/nsas/eline-ptp/service-management/service-definitions/3407971">

    <Common>
      <Name>TDM_MultiSeg_SD</Name>
      <Identity>3407971</Identity>
      <State>Published</State>
      <Comments>reterte</Comments>
      <CreatedDate>2014-10-20T19:18:26.000+05:30</CreatedDate>
      <LastUpdatedDate>2014-10-20T19:18:26.000+05:30</LastUpdatedDate>
      <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
    <InterfaceType>TDM</InterfaceType>
    <StaticpseudoWire>false</StaticpseudoWire>
    <MultiSegmentPseudowire>true</MultiSegmentPseudowire>
    <PWResiliency>false</PWResiliency>
    <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMServiceEndpointGroupParameterDefType">
      <VCID max="4294967296" min="1" editable="false" selection="Auto pick"
default="1"/>
      <MTU max="9192" min="1522" editable="false" default="1522"/>
      <OutGoingLabel/>
    </ServiceElementConfigurationDefinition>
    <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointParameterDefType">
      <PhysicalEncapsulation>satop</PhysicalEncapsulation>
      <JitterBuffer editable="false">5</JitterBuffer>
      <IdlePattern max="255" min="0" editable="false">255</IdlePattern>
      <ExcessPacketLossRate max="100" min="0"
editable="false">20</ExcessPacketLossRate>
      <PayloadSize editable="false">192</PayloadSize>
    </ServiceEndPointConfigurationDefinition>
```

```
</ServiceDefinition>
</ServiceResource>

</Data>
```

Get E-Line LDP ATM Service Definition Details with Multi-Segment Pseudowire By Definition ID

This request is used to retrieve the details of a particular E-Line LDP service definition configured that contains ATM interfaces with multi-segment pseudowires forE-Line LDP ATM, based on the service definition ID.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ntp/service-management/ service-definitions/<servicedefinition-Id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition+xml;version=2 |
| Produces | Collects the details of a specific E-Line LDP service definition with ATM interfaces and a multi-segment pseudowire. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition key="3407991"
uri="/api/space/nsas/eline-ntp/service-management/service-definitions/3407991"
```

```
href="/api/space/nsas/eline-ntp/service-management/service-definitions/3407991">
```

```

    <Common>
      <Name>ATM_SD</Name>
      <Identity>3407991</Identity>
      <State>Published</State>
      <Comments>fgdfgdg</Comments>
      <CreatedDate>2014-10-20T19:21:57.000+05:30</CreatedDate>
      <LastUpdatedDate>2014-10-20T19:21:57.000+05:30</LastUpdatedDate>
      <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
    <InterfaceType>ATM</InterfaceType>
    <StaticpseudoWire>false</StaticpseudoWire>
    <MultiSegmentPseudowire>true</MultiSegmentPseudowire>
    <PWResiliency>false</PWResiliency>
    <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMServiceEndpointGroupParameterDefType">
      <VCID max="4294967296" min="1" editable="false" selection="Auto pick"
default="1"/>
      <MTU max="9192" min="1522" editable="false" default="1522"/>
      <OutGoingLabel/>
    </ServiceElementConfigurationDefinition>
    <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointParameterDefType">
      <PhysicalEncapsulation>atm-ccc-cell-relay</PhysicalEncapsulation>
      <VPISelection editable="false" selection="Select manually"/>
      <VCISelection editable="false" selection="Select manually"/>
      <CellBundleSize max="176" min="1" editable="false">1</CellBundleSize>
    </ServiceEndPointConfigurationDefinition>
  </ServiceDefinition>
</ServiceResource>
</Data>

</Data>

```

Create an E-Line LDP Service Definition with Ethernet Option as Asymmetric Tag Depth

This request is used to create an E-Line LDP service definition configured with flexible VLAN tagging (asymmetric tag depth) as the Ethernet option.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-definition+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition-status+xml;version=2 |
| Produces | Creates an E-Line LDP service definition configured with flexible VLAN tagging (asymmetric tag depth) as the Ethernet option |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>P2P_LDP_Asymmetric_SD_API</Name>
        <Comments>asdsad</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
      <InterfaceType>Ethernet</InterfaceType>
      <StaticpseudoWire>false</StaticpseudoWire>
      <EnableL3Access>false</EnableL3Access>
      <PWResiliency>false</PWResiliency>
      <ServiceElementConfigurationDefinition
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="PTPServiceEndpointGroupParameterDefType">
        <VCID max="4294967296" min="1" editable="false" selection="Auto pick"
        default="1"/>
        <MTU editable="false" default="1522"/>
        <VlanNormalization>Normalize to Dot1q tag</VlanNormalization>
      </ServiceElementConfigurationDefinition>
    </ServiceDefinition>
  </ServiceResource>
</Data>
```

```

<OutGoingLabel/>
</ServiceElementConfigurationDefinition>
<ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType">
<EthernetOption>asymmetric tag depth</EthernetOption>
<VlanIdSelection editable="false" selection="Auto pick"/>
<TrafficType>Transport single vlan</TrafficType>
<VlanIdAuto max="0" min="0" default="0"/>
<VlanIdManual max="0" min="0" default="0"/>
<PhysicalEncapsulation>extended-vlan-ccc</PhysicalEncapsulation>
<LogicalEncapsulation>extended-vlan-ccc</LogicalEncapsulation>
<MTU  editable="false" default="1522"/>
<EnableRateLimiting>Enabled</EnableRateLimiting>
<DefaultBandwidth unit="Mbps" max="100" min="1" editable="false"
default="1">10</DefaultBandwidth>
<MinBandwidth unit="Kbps" max="100000" min="64">0</MinBandwidth>
<MaxBandwidth unit="Mbps" max="100000" min="1">0</MaxBandwidth>
<Increment unit="Kbps" max="100000" min="64" default="64">0</Increment>
<CalculateBurstSizeType>MTU Based</CalculateBurstSizeType>
<MTUFactor editable="false">10</MTUFactor>
</ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<Status>
<Identity>
<Type>ServiceDefinition</Type>
<Value>393618</Value>

```

```
</Identity>
<Code>200</Code>
<Message>ServiceDefinition Created Successfully</Message>
</Status>
</Data>
```

Create an E-Line LDP Service Definition with Ethernet Interfaces

This request is used to create an E-Line LDP service definition configured with Ethernet interfaces.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-definition+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition-status+xml;version=2 |
| Produces | Creates an E-Line LDP service definition configured with interfaces that contain Ethernet encapsulation. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>P2P_LDP_PortToPortTest_Via_API</Name>
        <Comments>P2P_LDP_PortToPort test</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
      <InterfaceType>Ethernet</InterfaceType>
      <EnableL3Access>>false</EnableL3Access>
```

```

        <PWResiliency>false</PWResiliency>
    <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"xsi:type="PTPServiceEndpointGroupParameterDefType">

        <VCID default="1" selection="Auto pick" editable="true" min="1"
max="4294967296" />
        <MTU default="1522" editable="true" min="1522" max="9192" />
        <VlanNormalization>Normalization not required</VlanNormalization>
    </ServiceElementConfigurationDefinition>
    <ServiceEndPointConfigurationDefinition

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="PTPEndPointParameterDefType">
        <EthernetOption>port-port</EthernetOption>
        <VlanIdAuto default="0" min="0" max="0" />
        <VlanIdManual default="0" min="0" max="0" />
        <PhysicalEncapsulation>ethernet-ccc</PhysicalEncapsulation>
        <MTU default="1522" editable="true" min="1522" max="9192" />
        <EnableRateLimiting>Enabled</EnableRateLimiting>
        <DefaultBandwidth default="1" editable="true" min="1"
max="100" unit="Mbps">10</DefaultBandwidth>
        <MinBandwidth min="64" max="100000" unit="Kbps">1000
</MinBandwidth>
        <MaxBandwidth min="1" max="100000" unit="Mbps">100
</MaxBandwidth>
        <Increment default="64" min="64" max="100000" unit="Kbps">1000
</Increment>
    </ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceDefinition</Type>
      <Value>393618</Value>
    </Identity>
    <Code>200</Code>
    <Message>ServiceDefinition Created Successfully</Message>
  </Status>
</Data>
```

Create an E-Line LDP Ethernet Service Definition with Multi-Segment Pseudowire

This request is used to create an E-Line LDP service definition for Ethernet interfaces with multi-segment pseudowires.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-definition+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition-status+xml;version=2 |
| Produces | Creates an E-Line LDP service definition for Ethernet interfaces with multi-segment pseudowires. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
```

```

<ServiceDefinition>
  <Common>
    <Name>P2P_LDP_Multiseg_SD_API</Name>
    <Comments>rewterter</Comments>
  </Common>
  <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
  <InterfaceType>Ethernet</InterfaceType>
  <StaticpseudoWire>>false</StaticpseudoWire>
  <EnableL3Access>>false</EnableL3Access>
  <MultiSegmentPseudowire>>true</MultiSegmentPseudowire>
  <PWResiliency>>false</PWResiliency>
  <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterDefType">
    <VCID max="4294967296" min="1" editable="false" selection="Auto pick"
default="1"/>
    <MTU editable="false" default="1522"/>
    <VlanNormalization>Normalization not required</VlanNormalization>
  </ServiceElementConfigurationDefinition>
  <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType">
    <EthernetOption>port-port</EthernetOption>
    <PhysicalEncapsulation>ethernet-ccc</PhysicalEncapsulation>
    <MTU editable="false" default="1522"/>
    <EnableRateLimiting>Enabled</EnableRateLimiting>
    <DefaultBandwidth unit="Mbps" max="100" min="1" editable="false"
default="1">10</DefaultBandwidth>
    <MinBandwidth unit="Kbps" max="100000" min="64">0</MinBandwidth>
    <MaxBandwidth unit="Mbps" max="100000" min="1">0</MaxBandwidth>
    <Increment unit="Kbps" max="100000" min="64" default="64">0</Increment>
    <CalculateBurstSizeType>MTU Based</CalculateBurstSizeType>
    <MTUFactor editable="false">10</MTUFactor>
  </ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceDefinition</Type>
      <Value>3932160</Value>
    </Identity>
    <Code>200</Code>
    <Message>ServiceDefinition Created Successfully</Message>
  </Status>
</Data>
```

Create an E-Line Service Definition with VLAN Normalization

This request is used to create an E-Line service definition configured with VLAN normalization types.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-definition+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition-status+xml;version=2 |
| Produces | Creates an E-Line service definition configured with VLAN normalization types. |

Input (VLAN Normalization: Normalize to QinQ tags)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition >
      <Common>
        <Name>P2P_LDP_BurstSizeCal_lnrbased_QinQ_API01</Name>
        <Comments>hgjjghjhgjg</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
      <InterfaceType>Ethernet</InterfaceType>
      <EnableL3Access>false</EnableL3Access>
      <PWResiliency>false</PWResiliency>
      <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterDefType">
        <VCID max="4294967296" min="1" editable="false" selection="Auto pick"
default="1"/>
        <MTU  editable="false" default="1522"/>
        <VlanNormalization>Normalize to QinQ tags</VlanNormalization>
      </ServiceElementConfigurationDefinition>
      <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType">
        <EthernetOption>qinq</EthernetOption>
        <VlanIdSelection editable="false" selection="Auto pick"/>
        <TrafficType>Transport single vlan</TrafficType>
        <VlanIdAuto max="0" min="0" default="0"/>
        <VlanIdManual max="0" min="0" default="0"/>
        <PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
        <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
        <MTU  editable="false" default="1522"/>
        <OuterTagProtocolId editable="false">0x88a8</OuterTagProtocolId>
        <InnerTagProtocolId editable="false">0x88a8</InnerTagProtocolId>
        <CalculateBurstSizeType>Line Rate Based</CalculateBurstSizeType>
        <BurstPeriod  editable="false">50</BurstPeriod>
      </ServiceEndPointConfigurationDefinition>
    </ServiceDefinition>
  </ServiceResource>
</Data>

```

Input (VLAN Normalization: Normalize to dot1Q tags)

Sample XML Input

```

    <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
        <ServiceDefinition>
            <Common>

<Name>P2P_LDP_dot1q_BurstsizeCal_MTUBased_API</Name>
                                <Comments>rteretr</Comments>
                                </Common>
            <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
            <InterfaceType>Ethernet</InterfaceType>
            <EnableL3Access>false</EnableL3Access>
            <PWResiliency>false</PWResiliency>
            <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterDefType">
                <VCID max="4294967296" min="1" editable="false" selection="Auto pick"
default="1"/>
                <MTU  editable="false" default="1522"/>
                <VlanNormalization>Normalize to Dot1q tag</VlanNormalization>
            </ServiceElementConfigurationDefinition>
            <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType">
                <EthernetOption>dot1q</EthernetOption>
                <VlanIdSelection editable="false" selection="Auto pick"/>
                <TrafficType>Transport single vlan</TrafficType>
                <VlanIdAuto max="0" min="0" default="0"/>
                <VlanIdManual max="0" min="0" default="0"/>
                <PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
                <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
                <MTU  editable="false" default="1522"/>
                <OuterTagProtocolId editable="false">0x88a8</OuterTagProtocolId>
                <CalculateBurstSizeType>MTU Based</CalculateBurstSizeType>
                <MTUFactor editable="false">24</MTUFactor>
            </ServiceEndPointConfigurationDefinition>
        </ServiceDefinition>
    </ServiceResource>
    </Data>

```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<Status>
<Identity>
<Type>ServiceDefinition</Type>
<Value>393583</Value>
</Identity>
<Code>200</Code>
<Message>ServiceDefinition Created Successfully</Message>
</Status>
</Data>
```

Create an E-Line LDP TDM Service Definition with CESoPSN

This request is used to create an E-Line LDP service definition with time division multiplexed (TDM) Circuit Emulation Service over Packet-Switched Network (CESoPSN).

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-definition+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition-status+xml;version=2 |
| Produces | Creates an E-Line LDP service definition with time division multiplexed (TDM) Circuit Emulation Service over Packet-Switched Network (CESoPSN). |

Input

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>P2P_LDM_TDM_CESoPSN_Test</Name>
        <Comments>werewr</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
      <InterfaceType>TDM</InterfaceType>
      <StaticpseudoWire>>false</StaticpseudoWire>
      <PWResiliency>>false</PWResiliency>
      <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMServiceEndpointGroupParameterDefType">
        <VCID default="1" selection="Auto pick" editable="true" min="1"
max="4294967296" />
        <MTU default="1522" editable="false" />
        <OutGoingLabel/>
      </ServiceElementConfigurationDefinition>
      <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointParameterDefType">
        <PhysicalEncapsulation>cesopsn</PhysicalEncapsulation>
        <JitterBuffer editable="true">5</JitterBuffer>
        <IdlePattern editable="true" min="0" max="255">255</IdlePattern>
        <ExcessPacketLossRate editable="true" min="0"
max="100">20</ExcessPacketLossRate>
      </ServiceEndPointConfigurationDefinition>
    </ServiceDefinition>
  </ServiceResource> </Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>

```

```
<Identity>
<Type>ServiceDefinition</Type>
<Value>393921</Value>
</Identity>
<Code>200</Code>
<Message>ServiceDefinition Created Successfully</Message>
</Status>
</Data>
```

Create an E-Line LDP TDM Service Definition with Multi-Segment Pseudowire forE-Line

This request is used to create an E-Line LDP service definition with TDM interfaces and multi-segment pseudowires forE-Line.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-definition+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition-status+xml;version=2 |
| Produces | Creates an E-Line LDP service definition with TDM interfaces and multi-segment pseudowires forE-Line. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource>
<ServiceDefinition>
<Common>
```

```

<Name>TDM_MultiSeg_SD_API01</Name>
  <Comments>reterte</Comments>
</Common>
<ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
<InterfaceType>TDM</InterfaceType>
<StaticpseudoWire>false</StaticpseudoWire>
<MultiSegmentPseudowire>true</MultiSegmentPseudowire>
<PWResiliency>false</PWResiliency>
<ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMServiceEndpointGroupParameterDefType">
  <VCID max="4294967296" min="1" editable="false" selection="Auto pick"
default="1"/>
  <MTU editable="false" default="1522"/>
  <OutGoingLabel/>
</ServiceElementConfigurationDefinition>
<ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointParameterDefType">
  <PhysicalEncapsulation>satop</PhysicalEncapsulation>
  <JitterBuffer editable="false">5</JitterBuffer>
  <IdlePattern max="255" min="0" editable="false">255</IdlePattern>
  <ExcessPacketLossRate max="100" min="0"
editable="false">20</ExcessPacketLossRate>
  <PayloadSize editable="false">192</PayloadSize>
</ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>

```

```
<Identity>
<Type>ServiceDefinition</Type>
<Value>3932181</Value>
</Identity>
<Code>200</Code>
<Message>ServiceDefinition Created Successfully</Message>
</Status>
</Data>
```

Create an E-Line LDP ATM Service Definition with Multi-Segment Pseudowire

This request is used to create an E-Line LDP service definition with ATM interfaces and multi-segment pseudowires.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-definition+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition-status+xml;version=2 |
| Produces | Creates an E-Line LDP service definition with ATM interfaces and multi-segment pseudowires. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource>
<ServiceDefinition>
<Common>
```

```

<Name>ATM_SD_API</Name>
  <Comments>fgdfgdg</Comments>
  </Common>
  <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
  <InterfaceType>ATM</InterfaceType>
  <StaticpseudoWire>false</StaticpseudoWire>
  <MultiSegmentPseudowire>true</MultiSegmentPseudowire>
  <PWResiliency>false</PWResiliency>
  <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMServiceEndpointGroupParameterDefType">
    <VCID max="4294967296" min="1" editable="false" selection="Auto pick"
default="1"/>
    <MTU  editable="false" default="1522"/>
    <OutGoingLabel/>
  </ServiceElementConfigurationDefinition>
  <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointParameterDefType">
    <PhysicalEncapsulation>atm-ccc-cell-relay</PhysicalEncapsulation>
    <VPISelection editable="false" selection="Select manually"/>
    <VCISelection editable="false" selection="Select manually"/>
    <CellBundleSize max="176" min="1" editable="false">1</CellBundleSize>
  </ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
  <Identity>
  <Type>ServiceDefinition</Type>
  <Value>3604500</Value>

```

```
</Identity>
<Code>200</Code>
<Message>ServiceDefinition Created Successfully</Message>
</Status>
</Data>
```

Create an E-Line LDP Service Definition with Static Pseudowire forE-Line

This request is used to create an E-Line LDP service definition with static pseudowires forE-Line.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-definition+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition-status+xml;version=2 |
| Produces | Creates an E-Line LDP service definition with static pseudowires forE-Line. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>P2P_LDP_E_SPW_SD_API</Name>
        <Comments>ewrwe</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
      <InterfaceType>Ethernet</InterfaceType>
```

```

        <StaticpseudoWire>true</StaticpseudoWire>
        <EnableL3Access>false</EnableL3Access>
        <PWResiliency>false</PWResiliency>
        <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterDefType">
            <VCID max="4294967296" min="1" editable="false" selection="Auto pick"
default="1"/>
            <MTU editable="false" default="1522"/>
            <VlanNormalization>Normalize to QinQ tags</VlanNormalization>
            <OutGoingLabel selection="Select manually"/>
        </ServiceElementConfigurationDefinition>
        <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType">
            <EthernetOption>qinq</EthernetOption>
            <VlanIdSelection editable="false" selection="Auto pick"/>
            <TrafficType>Transport single vlan</TrafficType>
            <VlanIdAuto max="0" min="0" default="0"/>
            <VlanIdManual max="0" min="0" default="0"/>
            <PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
            <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
            <MTU editable="false" default="1522"/>
        </ServiceEndPointConfigurationDefinition>
    </ServiceDefinition>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
      <Identity>
        <Type>ServiceDefinition</Type>
        <Value>393589</Value>
      </Identity>
    </Status>
  </Data>

```

```
</Identity>
<Code>200</Code>
<Message>ServiceDefinition Created Successfully</Message>
</Status>
</Data>
```

Publish and Unpublish an E-Line LDP Service Definition

This request is used to publish or unpublish an E-Line LDP service definition.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-definition+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition-status+xml Action types are Publish and Unpublish. |
| Produces | Publishes or unpublishes an E-Line LDP service definition. |

Input for Publishing a Service Definition

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="ServiceDefinitionCustomActionType">
    <Action>Publish</Action>
  </CustomAction>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceDefinition</Type>
      <Value>7012365</Value>
    </Identity>
    <Code>200</Code>
    <Message>ServiceDefinition Published Successfully</Message>
  </Status>
</Data>
```

Delete an E-Line LDP Service Definition

This request is used to delete a previously configured E-Line LDP service definition.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ptp/service-management/ service-definitions/<servicedefinition-id> |
| HTTP Method | DELETE |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition+xml |
| Produces | Deletes an E-Line LDP service definition. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
```

```
<Type>ServiceDefinition</Type>
<Value>7012365</Value>
</Identity>
<Code>200</Code>
<Message>ServiceDefinition Deleted Successfully</Message>
</Status>
</Data>
```

Create an E-Line LDP ATM Service Definition with MC-APS

This request is used to create an E-Line LDP ATM service definition configured with MC-APS.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-definition+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition-status+xml;version=2 |
| Produces | Creates an E-Line LDP service definition configured with MC-APS. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>ATM_LDP_MCAPS_API</Name>
        <Comments>rtret</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
      <InterfaceType>ATM</InterfaceType>
    </ServiceDefinition>
  </ServiceResource>
</Data>
```

```

    <StaticpseudoWire>false</StaticpseudoWire>
    <MultiSegmentPseudowire>false</MultiSegmentPseudowire>
    <PWResiliency>true</PWResiliency>
    <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMServiceEndpointGroupParameterDefType">
    <VCID max="4294967296" min="1" editable="false" selection="Auto pick"
default="1"/>
    <MTU editable="false" default="1522"/>
    <RevertTime editable="false">5</RevertTime>
    <SwitchOverDelay editable="false">0</SwitchOverDelay>
    <OutGoingLabel/>
    </ServiceElementConfigurationDefinition>
    <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointParameterDefType">
    <PhysicalEncapsulation>atm-ccc-cell-relay</PhysicalEncapsulation>
    <VPISelection editable="false" selection="Select manually"/>
    <VCISelection editable="false" selection="Select manually"/>
    <CellBundleSize max="176" min="1" editable="false">1</CellBundleSize>
    </ServiceEndPointConfigurationDefinition>
    </ServiceDefinition>
  </ServiceResource>
</Data>

```

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceDefinition</Type>
      <Value>2064446</Value>
    </Identity>
    <Code>200</Code>
    <Message>ServiceDefinition Created Successfully</Message>
  </Status>
</Data>

```

```
</Status>
</Data>
```

Get an E-Line LDP ATM Service Definition with MC-APS By Definition ID

This request is used to retrieve the details of a particular Layer 2 Ethernet Private Line (EPL, also called E-Line) LDP ATM service definition with MC-APS, based on the service definition ID.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ntp/service-management/ service-definitions/<servicedefinition-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition+xml |
| Produces | Collects the details of a specific E-Line LDP ATM service definition with MC-APS. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition key="2064384"
uri="/api/space/nsas/eline-ntp/service-management/service-definitions/2064384"

href="/api/space/nsas/eline-ntp/service-management/service-definitions/2064384">

      <Common>
        <Name>ATM_LDP_MCAPS</Name>
        <Identity>2064384</Identity>
        <State>Published</State>
        <Comments>rtret</Comments>
        <CreatedDate>2014-12-12T15:15:34.000+05:30</CreatedDate>
        <LastUpdatedDate>2014-12-12T15:15:34.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
```

```
</Common>
<ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
<InterfaceType>ATM</InterfaceType>
<StaticpseudoWire>false</StaticpseudoWire>
<MultiSegmentPseudowire>false</MultiSegmentPseudowire>
<PWResiliency>true</PWResiliency>
<ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMServiceEndpointGroupParameterDefType">
  <VCID max="4294967296" min="1" editable="false" selection="Auto pick"
default="1"/>
  <MTU max="9192" min="1522" editable="false" default="1522"/>
  <RevertTime editable="false">5</RevertTime>
  <SwitchOverDelay editable="false">0</SwitchOverDelay>
  <OutGoingLabel/>
</ServiceElementConfigurationDefinition>
<ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointParameterDefType">
  <PhysicalEncapsulation>atm-ccc-cell-relay</PhysicalEncapsulation>
  <VPISelection editable="false" selection="Select manually"/>
  <VCISelection editable="false" selection="Select manually"/>
  <CellBundleSize max="176" min="1" editable="false">1</CellBundleSize>
</ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>
```

Get an E-Line LDP TDM Service Definition with MC-APS By Definition ID

This request is used to retrieve the details of a particular Layer 2 Ethernet Private Line (EPL, also called E-Line) LDP TDM service definition with MC-APS, based on the service definition ID.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ptp/service-management/ service-definitions/<servicedefinition-id> |
| HTTP Method | GET |
| Consumes | application/vnd.netjuniper.space.service-management.service-definition+xml |

Produces

Collects the details of a specific E-Line LDP TDM service definition with MC-APS.

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition key="393544"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/393544"

href="/api/space/nsas/eline-ptp/service-management/service-definitions/393544">

      <Common>
        <Name>P2P_LDP_TDM_SD</Name>
        <Identity>393544</Identity>
        <State>Published</State>
        <Comments>sfsfds</Comments>
        <CreatedDate>2014-12-17T13:00:04.000+05:30</CreatedDate>
        <LastUpdatedDate>2014-12-17T13:00:04.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
      <InterfaceType>TDM</InterfaceType>
      <StaticpseudoWire>false</StaticpseudoWire>
      <MultiSegmentPseudowire>false</MultiSegmentPseudowire>
      <PWResiliency>true</PWResiliency>
      <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMServiceEndpointGroupParameterDefType">
        <VCID max="4294967296" min="1" editable="false" selection="Auto pick"
default="1"/>
        <MTU max="9192" min="1522" editable="false" default="1522"/>
        <RevertTime editable="false">5</RevertTime>
        <SwitchOverDelay editable="false">0</SwitchOverDelay>
        <OutGoingLabel/>
      </ServiceElementConfigurationDefinition>
      <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointParameterDefType">
        <PhysicalEncapsulation>satop</PhysicalEncapsulation>
```

```
<JitterBuffer editable="false">5</JitterBuffer>
<IdlePattern max="255" min="0" editable="false">255</IdlePattern>
<ExcessPacketLossRate max="100" min="0"
editable="false">20</ExcessPacketLossRate>
<PayloadSize editable="false">192</PayloadSize>
</ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>
```

Create an E-Line LDP TDM Service Definition with MC-APS

This request is used to create an E-Line LDP TDM service definition configured with MC-APS.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ntp/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-definition+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition-status+xml;version=2 |
| Produces | Creates an E-Line LDP TDM service definition configured with MC-APS. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>P2P_LDP_TDM_SD_API</Name>
```

```

    <Comments>sfsfds</Comments>
  </Common>
  <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
  <InterfaceType>TDM</InterfaceType>
  <StaticpseudoWire>false</StaticpseudoWire>
  <MultiSegmentPseudowire>false</MultiSegmentPseudowire>
  <PWResiliency>true</PWResiliency>
  <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMServiceEndpointGroupParameterDefType">
    <VCID max="4294967296" min="1" editable="false" selection="Auto pick"
default="1"/>
    <MTU editable="false" default="1522"/>
    <RevertTime editable="false">5</RevertTime>
    <SwitchOverDelay editable="false">0</SwitchOverDelay>
    <OutGoingLabel/>
  </ServiceElementConfigurationDefinition>
  <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointParameterDefType">
    <PhysicalEncapsulation>satop</PhysicalEncapsulation>
    <JitterBuffer editable="false">5</JitterBuffer>
    <IdlePattern max="255" min="0" editable="false">255</IdlePattern>
    <ExcessPacketLossRate max="100" min="0"
editable="false">20</ExcessPacketLossRate>
    <PayloadSize editable="false">192</PayloadSize>
  </ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceDefinition</Type>

```

```
<Value>2064446</Value>
</Identity>
<Code>200</Code>
<Message>ServiceDefinition Created Successfully</Message>
</Status>
</Data>
```

Get an E-Line LDP Service Definition with Default Service Template By Definition ID

This request is used to retrieve the details of a particular Layer 2 Ethernet Private Line (EPL, also called E-Line) LDP service definition with default service template, based on the service definition ID.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ntp/service-management/ service-definitions/<servicedefinition-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition+xml |
| Produces | Collects the details of a specific E-Line LDP service definition with default service template. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition key="1015808"
uri="/api/space/nsas/eline-ntp/service-management/service-definitions/1015808"

href="/api/space/nsas/eline-ntp/service-management/service-definitions/1015808">

    <Common>
      <Name>Test_LDP_eth_API</Name>
      <Identity>1015808</Identity>
```

```

    <State>Unpublished</State>
    <CreatedDate>2015-02-23T13:50:26.000+05:30</CreatedDate>
    <LastUpdatedDate>2015-02-23T13:50:26.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
  <InterfaceType>Ethernet</InterfaceType>
  <StaticpseudoWire>false</StaticpseudoWire>
  <EnableL3Access>false</EnableL3Access>
  <MultiSegmentPseudowire>false</MultiSegmentPseudowire>
  <PWRResiliency>false</PWRResiliency>
  <DecoupleStatus>true</DecoupleStatus>
  <ServiceTemplates>
    <ServiceTemplate
href="/api/space/nsas/eline-ptp/service-management/service-templates/950278"
uri="/api/space/nsas/eline-ptp/service-management/service-templates/950278"
key="/api/space/nsas/eline-ptp/service-management/service-templates/950278">

      <ID>950278</ID>
      <Name>protocoll2circuit</Name>
      <Default>false</Default>
    </ServiceTemplate>
    <ServiceTemplate
href="/api/space/nsas/eline-ptp/service-management/service-templates/950296"
uri="/api/space/nsas/eline-ptp/service-management/service-templates/950296"
key="/api/space/nsas/eline-ptp/service-management/service-templates/950296">

      <ID>950296</ID>
      <Name>Flexi_Temp</Name>
      <Default>true</Default>
    </ServiceTemplate>
  </ServiceTemplates>
  <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterDefType">
    <VCID max="4294967296" min="1" editable="false" selection="Auto pick"
default="1"/>
    <MTU max="" min="" editable="false" default="1522"/>
    <VlanNormalization>Normalize to Dot1q tag</VlanNormalization>
    <OutGoingLabel/>
  </ServiceElementConfigurationDefinition>
  <ServiceEndPointConfigurationDefinition

```

```

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType">
  <EthernetOption>port-port</EthernetOption>
  <VlanIdSelection editable="false"/>
  <TrafficType>N/A</TrafficType>
  <VlanIdAuto max="0" min="0" default="0"/>
  <VlanIdManual max="0" min="0" default="0"/>
  <PhysicalEncapsulation>ethernet-ccc</PhysicalEncapsulation>
  <LogicalEncapsulation/>
  <MTU max="0" min="0" editable="false" default="1522"/>
  <EnableRateLimiting>Not enabled</EnableRateLimiting>
  <DefaultBandwidth unit="Mbps" max="100" min="1" editable="false"
default="1">N/A</DefaultBandwidth>
  <MinBandwidth unit="Kbps" max="100000" min="64">0</MinBandwidth>
  <MaxBandwidth unit="Mbps" max="100000" min="1">0</MaxBandwidth>
  <Increment unit="Kbps" max="100000" min="64" default="64">0</Increment>
  <CalculateBurstSizeType>MTU Based</CalculateBurstSizeType>
  <MTUFactor editable="false">10</MTUFactor>
</ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Create an E-Line LDP Service Definition with Default Service Template

This request is used to create an E-Line LDP TDM service definition configured with default service template.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-definition+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition-status+xml;version=2 |
| Produces | Creates an E-Line LDP service definition configured with default service template. |

The XPath tag in a service template attribute is optional and we recommend that you use this tag.

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource>
<ServiceDefinition>
  <Common>
    <Name>Test_LDP_eth_API</Name>
  </Common>
  <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
  <InterfaceType>Ethernet</InterfaceType>
  <StaticpseudoWire>>false</StaticpseudoWire>
  <EnableL3Access>>false</EnableL3Access>
  <MultiSegmentPseudowire>>false</MultiSegmentPseudowire>
  <PWResiliency>>false</PWResiliency>
  <DecoupleStatus>>true</DecoupleStatus>
<ServiceTemplates>
  <ServiceTemplate>
    <ID>2654208</ID>
    <Name>ST with _Descp_P2P</Name>
    <Default>>false</Default>
  </ServiceTemplate>
  <ServiceTemplate>
    <ID>2654219</ID>
    <Name>ST with _Descp_P2P_1</Name>
    <Default>>true</Default>
  </ServiceTemplate>
</ServiceTemplates>
<ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterDefType">
  <VCID max="4294967296" min="1" editable="false" selection="Auto pick"
default="1"/>
  <MTU editable="false" default="1522"/>
  <VlanNormalization>Normalize to Dot1q tag</VlanNormalization>
  <OutGoingLabel/>
</ServiceElementConfigurationDefinition>
<ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType">
```

```

    <EthernetOption>port-port</EthernetOption>
    <PhysicalEncapsulation>ethernet-ccc</PhysicalEncapsulation>
    <MTU editable="false" default="1522"/>
    <CalculateBurstSizeType>MTU Based</CalculateBurstSizeType>
    <MTUFactor editable="false">10</MTUFactor>
  </ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Sample XML Input (With XPath)

```

  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource>
  <ServiceOrder>
    <Common>
      <Name>P2P_SO</Name>
      <Comments>P2P service order</Comments>
    </Common>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <NA>
          <DeviceName>embassy</DeviceName>
          <DeviceID>327752</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-1/0/1</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDP endPointConfigParameterOrderType">
          <EndPointCategory>PTP</EndPointCategory>
          <VlanId>760</VlanId>
          <MTU>1522</MTU>
          <Bandwidth unit="Mbps">10</Bandwidth>
        </ServiceEndpointConfiguration>
      <ServiceTemplates>
        <ServiceTemplate>
          <ID>66317</ID>

```

```

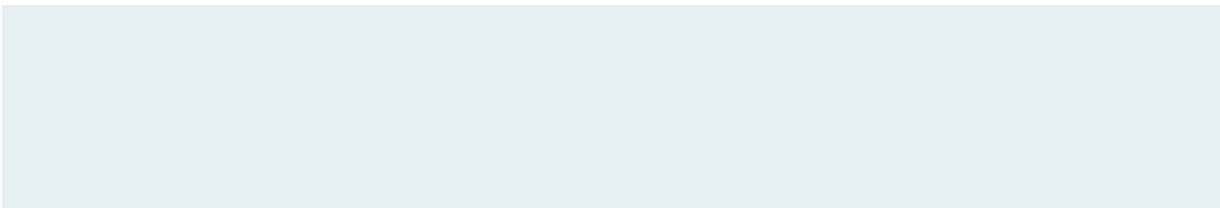
    <ConfigParams>
      <Name>Name</Name>
      <Value>testname</Value>
      <Decommission>>false</Decommission>
      <SvcSpecificValue>>false</SvcSpecificValue>
      <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
  </ServiceTemplate>
  <ServiceTemplate>
    <ID>6357015</ID>
    <ConfigParams>
      <Name>Description</Name>
      <Value>DemoDescription</Value>
      <Xpath>/configuration/cpl/interface/description</Xpath>
      <Decommission>>false</Decommission>
      <SvcSpecificValue>>false</SvcSpecificValue>
      <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
  </ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA>
      <DeviceName>exora</DeviceName>
      <DeviceID>327689</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/2</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPELineLDPEndPointConfigParameterOrderType">
      <EndPointCategory>PTP</EndPointCategory>
      <VlanId>760</VlanId>
      <MTU>1522</MTU>
      <Bandwidth unit="Mbps">10</Bandwidth>
    </ServiceEndpointConfiguration>
  </ServiceTemplates>
  <ServiceTemplate>
    <ID>66317</ID>

```

```

    <ConfigParams>
      <Name>Name</Name>
      <Value>testname</Value>
      <Decommission>>false</Decommission>
      <SvcSpecificValue>>false</SvcSpecificValue>
      <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
  </ServiceTemplate>
  <ServiceTemplate>
    <ID>6357015</ID>
    <ConfigParams>
      <Name>Description</Name>
      <Value>DemoDescription</Value>
      <Xpath>/configuration/cpl/interface/description</Xpath>
      <Decommission>>false</Decommission>
      <SvcSpecificValue>>false</SvcSpecificValue>
      <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
  </ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
  <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
    <MTU>1577</MTU>
    <VCID>760</VCID>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="327680"/>
    <ServiceDefinition>
      <ServiceDefinitionID key="262144"/>
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndDeployNow</Action>
    <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
  </CustomAction>
</Data>

```



Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<Status>
  <Identity>
    <Type>ServiceDefinition</Type>
    <Value>458825</Value>
  </Identity>
  <Code>200</Code>
  <Message>ServiceDefinition Created Successfully</Message>
</Status>
</Data>
```

E-Line LDP Service Orders Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director E-Line LDP Service Orders Management RESTful Web Services.

Get All E-Line LDP Service Orders

This request is used to retrieve all the configured Layer 2 Ethernet Private Line (EPL, also called E-Line) LDP service orders.

| | |
|-------------|---|
| URI | /api/space/nsas/eline-ptp/service-management/service-orders |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-orders+xml |
| Produces | Collects all the configured E-Line LDP service orders. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="3">
    <ServiceOrder
      href="/api/space/nsas/eline-ptp/service-management/service-orders/4161536"
      uri="/api/space/nsas/eline-ptp/service-management/service-orders/4161536"
      key="4161536">
      <Common>
        <Name>Eline_tes02_6</Name>
        <Identity>4161536</Identity>
        <State>Invalid</State>
        <CreatedDate>2012-07-18T17:52:32.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-07-18T17:52:32.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType> Point-to-Point Pseudowire (LDP)</ServiceType>
      <Action>Provisioning</Action>
      <Reference>
        <Customer
          key="327680"href="/api/space/nsas/customer-management/customers/327680"
          uri="/api/space/nsas/customermanagement/customers/327680" />
          <ServiceDefinition>
            <ServiceDefinitionID key="1179660"
              href="/api/space/nsas/eline-ptp/service-management/service-orders/1179660"
              uri="/api/space/nsas/eline-ptp/service-management/service-orders/1179660" />

            </ServiceDefinition>
          </Reference>
        </ServiceOrder>
        <ServiceOrder
          href="/api/space/nsas/eline-ptp/service-management/service-orders/3866624"
          uri="/api/space/nsas/eline-ptp/service-management/service-orders/3866624"
          key="3866624">
          <Common>
            <Name>Eline_audit_2012-07-17 15:43:28.54</Name>
            <Identity>3866624</Identity>
            <State>Completed</State>
            <Comments>Audit Eline2012-07-17 15:43:28.54</Comments>
            <CreatedDate>2012-07-17T15:43:28.000+05:30</CreatedDate>
            <LastUpdatedDate>2012-07-17T15:43:28.000+05:30</LastUpdatedDate>
```

```

    <CreatedBy>super</CreatedBy>
  </Common>
  <ServiceType> Point-to-Point Pseudowire (LDP)</ServiceType>
  <Action>Provisioning</Action>
  <Reference>
    <Customer key="327680"
href="/api/space/nsas/customer-management/customers/327680"
uri="/api/space/nsas/customermanagement/customers/327680" />
    <ServiceDefinition>
      <ServiceDefinitionID key="1179648"
href="/api/space/nsas/eline-ptp/service-management/service-orders/1179648"
uri="/api/space/nsas/eline-ptp/service-management/service-orders/1179648" />
    </ServiceDefinition>
    <Service key="1179679"
href="/api/space/nsas/eline-ptp/service-management/services/1179679"
uri="/api/space/nsas/eline-ptp/service-management/services/1179679" />
    </Reference>
  </ServiceOrder>
  <ServiceOrder
href="/api/space/nsas/eline-ptp/service-management/service-orders/1474567"
uri="/api/space/nsas/eline-ptp/service-management/service-orders/1474567"
key="1474567">
    <Common>
      <Name>Eline_tes02_2</Name>
      <Identity>1474567</Identity>
      <State>Invalid</State>
      <CreatedDate>2012-07-03T20:16:32.000+05:30</CreatedDate>
      <LastUpdatedDate>2012-07-03T20:16:32.000+05:30</LastUpdatedDate>
      <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType> Point-to-Point Pseudowire (LDP)</ServiceType>
    <Action>Provisioning</Action>
    <Reference>
      <Customer key="327680"
href="/api/space/nsas/customer-management/customers/327680"
uri="/api/space/nsas/customermanagement/customers/327680" />
      <ServiceDefinition>
        <ServiceDefinitionID key="1179660"
href="/api/space/nsas/eline-ptp/service-management/service-orders/1179660"
uri="/api/space/nsas/eline-ptp/service-management/service-orders/1179660" />

```

```
</ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Get All E-Line Service Orders By Customer ID or Name

This request is used to retrieve all the configured Layer 2 Ethernet Private Line (EPL, also called E-Line) service orders based on customer name or customer ID.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ntp/service-management/ service-orders?customerId=1015808 api/space/nsas/eline-ntp/service-management/ service-orders?customerName=Customer_001 |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-orders+xml;version=2 |
| Produces | Collects all the configured E-Line LDP service orders based on the customer name or ID. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource size="2">
  <ServiceOrder
href="/api/space/nsas/eline-ntp/service-management/service-orders/4161536"
uri="/api/space/nsas/eline-ntp/service-management/service-orders/4161536"
key="4161536">
    <Common>
      <Name>Eline_tes02_6</Name>
      <Identity>4161536</Identity>
```

```

    <State>Invalid</State>
    <CreatedDate>2012-07-18T17:52:32.000+05:30</CreatedDate>
    <LastUpdatedDate>2012-07-18T17:52:32.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <ServiceType> Point-to-Point Pseudowire (LDP)</ServiceType>
  <Action>Provisioning</Action>
  <Reference>
    <Customer
key="327680"href="/api/space/nsas/customer-management/customers/327680"
uri="/api/space/nsas/customermanagement/customers/327680" />
      <ServiceDefinition>
        <ServiceDefinitionID key="1179660"
href="/api/space/nsas/eline-ptp/service-management/service-orders/1179660"
uri="/api/space/nsas/eline-ptp/service-management/service-orders/1179660" />

      </ServiceDefinition>
    </Reference>
  </ServiceOrder>

  <ServiceOrder
href="/api/space/nsas/eline-ptp/service-management/service-orders/1474567"
uri="/api/space/nsas/eline-ptp/service-management/service-orders/1474567"
key="1474567">
    <Common>
      <Name>Eline_tes02_2</Name>
      <Identity>1474567</Identity>
      <State>Invalid</State>
      <CreatedDate>2012-07-03T20:16:32.000+05:30</CreatedDate>
      <LastUpdatedDate>2012-07-03T20:16:32.000+05:30</LastUpdatedDate>
      <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType> Point-to-Point Pseudowire (LDP)</ServiceType>
    <Action>Provisioning</Action>
    <Reference>
      <Customer key="327680"
href="/api/space/nsas/customer-management/customers/327680"
uri="/api/space/nsas/customermanagement/customers/327680" />
      <ServiceDefinition>
        <ServiceDefinitionID key="1179660"
href="/api/space/nsas/eline-ptp/service-management/service-orders/1179660"
uri="/api/space/nsas/eline-ptp/service-management/service-orders/1179660" />

```

```
</ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Get All E-Line Service Orders with Pagination, Search, and Filter

This request is used to retrieve all the configured Layer 2 Ethernet Private Line (EPL, also called E-LINE) service orders with pagination, and to filter the results based on the search criteria

| | |
|-------------|--|
| URI | api/space/nsas/eline-ntp/service-management/service-orders ?sortorder=desc&sortedby=Name&filteredby="Name::Eline_t" |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-orders+xml;version=2 |
| Produces | Collects all the configured E-Line LDP service orders with pagination applied, and with a filtered result-set that matches the search criteria |

NOTE: For service orders, you can sort with “sortedby=CreatedDate” and “sortedby=State”.

For Start and Limit attributes, you can provide integer values based on your requirement to sort and filter the API output. Sortorder can be “asc” and “desc”. The SortedBy attribute differs based on the APIs. For service orders, the SortedBy option can be “CtreatedDate”, “State”. For services, the SortedBy option can be “Name”, “LastModifiedDate”. The FilteredBy attribute differs based on the APIs. For service orders, the FilteredBy option can be “Name” and “State”. For services, the FilteredBy option can be “Name”.

If you enter “paging=(starteq 2, limit eq 3)”, which is not a single integer value, the display is according to index of records. In this case, it shows from the first indexed record to the third indexed record. If you enter “start=2&limit=3”, it starts from the second record and displays the next three records in all.

You can specify multiple key:value pairs with the FilteredBy attribute. For example, to get service orders, you can use Get ServiceOrders with Name and State as “filteredby=Name::L3VPN@@State::Invalid”. Similarly, to get service orders, you can use with Name OR state “filteredby=Name::L3VPN!! State::Invalid”.

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="1">
    <ServiceOrder
      href="/api/space/nsas/eline-ptp/service-management/service-orders/1671168"
      uri="/api/space/nsas/eline-ptp/service-management/service-orders/1671168"
      key="1671168">
      <Common>
        <Name>Eline_TDM_008</Name>
        <Identity>1671168</Identity>
        <State>Completed</State>
        <Comments>TDM service order</Comments>
        <CreatedDate>2012-08-13T17:24:50.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-08-13T17:25:10.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>Point-to-Point Pseudowire (LDP)</ServiceType>
      <Action>Provisioning</Action>
```

```

<Reference>
  <Customer key="1015808"
  href="/api/space/nsas/customer-management/customers/1015808"
  uri="/api/space/nsas/customermanagement/
  customers/1015808" />
  <ServiceDefinition>
    <ServiceDefinitionID key="262279"
    href="/api/space/nsas/eline-ptp/service-management/service-definitions/262279"
    uri="/api/space/nsas/eline-ptp/service-management/service-definitions/262279"
    />
  </ServiceDefinition>
  <Service key="1671189"
  href="/api/space/nsas/eline-ptp/service-management/services/1671189"
  uri="/api/space/nsas/eline-ptp/service-management/services/1671189" />
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="2">
    <ServiceOrder
      href="/api/space/nsas/eline-ptp/service-management/service-orders/4161536"
      uri="/api/space/nsas/eline-ptp/service-management/service-orders/4161536"
      key="4161536">
        <Common>
          <Name>Eline_tes02_6</Name>
          <Identity>4161536</Identity>
          <State>Invalid</State>
          <CreatedDate>2012-07-18T17:52:32.000+05:30</CreatedDate>
          <LastUpdatedDate>2012-07-18T17:52:32.000+05:30</LastUpdatedDate>
          <CreatedBy>super</CreatedBy>
        </Common>
        <ServiceType> Point-to-Point Pseudowire (LDP)</ServiceType>
        <Action>Provisioning</Action>
        <Reference>
          <Customer

```

```

key="327680"href="/api/space/nsas/customer-management/customers/327680"
uri="/api/space/nsas/customermanagement/customers/327680" />
  <ServiceDefinition>
    <ServiceDefinitionID key="1179660"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/1179660"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/1179660"
/>
  </ServiceDefinition>
</Reference>
</ServiceOrder>

<ServiceOrder
href="/api/space/nsas/eline-ptp/service-management/service-orders/1474567"
uri="/api/space/nsas/eline-ptp/service-management/service-orders/1474567"
key="1474567">
  <Common>
    <Name>Eline_tes02_2</Name>
    <Identity>1474567</Identity>
    <State>Invalid</State>
    <CreatedDate>2012-07-03T20:16:32.000+05:30</CreatedDate>
    <LastUpdatedDate>2012-07-03T20:16:32.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <ServiceType> Point-to-Point Pseudowire (LDP)</ServiceType>
  <Action>Provisioning</Action>
  <Reference>
    <Customer key="327680"
href="/api/space/nsas/customer-management/customers/327680"
uri="/api/space/nsas/customermanagement/customers/327680" />
    <ServiceDefinition>
      <ServiceDefinitionID key="1179660"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/1179660"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/1179660"
/>
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Get an E-Line LDP Service Order By Order ID

This request is used to retrieve the details of a particular Layer 2 Ethernet Private Line (EPL, also called E-Line) LDP service order based on the service order ID.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ptp/service-management/service-orders/<serviceOrderId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Collects the details of a specific E-Line LDP service order. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
href="/api/space/nsas/eline-ptp/service-management/service-orders/393820"
uri="/api/space/nsas/eline-ptp/service-management/service-orders/393820"
key="393820">
      <Common>
        <Name>LDPS002</Name>
        <Identity>393820</Identity>
        <State>Completed</State>
        <Comments>fddg</Comments>
        <CreatedDate>2014-03-13T11:38:39.000+05:30</CreatedDate>
        <LastUpdatedDate>2014-03-13T11:40:13.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/device-roles/pe-devices/589994"
uri="/api/space/nsas/device-roles/pe-devices/589994" key="589994">
```

```

    <DeviceName>embassy</DeviceName>
    <DeviceID>589994</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-1/1/3</InterfaceName>
  <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
    <PEDevLoopBackIP>50.1.2.4</PEDevLoopBackIP>
    <EndPointCategory>PTP</EndPointCategory>
    <TrafficType>Transport using port</TrafficType>
    <PhysicalEncapsulation>ethernet-ccc</PhysicalEncapsulation>
    <UNIDescription>efrf</UNIDescription>
    <VlanId>0</VlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Mbps">10</Bandwidth>
  </ServiceEndpointConfiguration>
</ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/590023"
uri="/api/space/nsas/device-roles/pe-devices/590023" key="590023">
    <DeviceName>junos-space5</DeviceName>
    <DeviceID>590023</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-0/2/0</InterfaceName>
  <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
    <PEDevLoopBackIP>30.1.2.11</PEDevLoopBackIP>
    <EndPointCategory>PTP</EndPointCategory>
    <TrafficType>Transport using port</TrafficType>
    <PhysicalEncapsulation>ethernet-ccc</PhysicalEncapsulation>
    <UNIDescription>ertertre</UNIDescription>
    <VlanId>0</VlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Mbps">10</Bandwidth>

```

```

    </ServiceEndpointConfiguration>
    <ServiceTemplates/>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
  <MTU>1522</MTU>
  <VCID>2147467278</VCID>
  <VlanNormalization>Normalization not required</VlanNormalization>
</ServiceOrderParameter>
<Reference>
  <Customer key="590085"
href="/api/space/nsas/customer-management/customers/590085"
uri="/api/space/nsas/customer-management/customers/590085"/>
  <ServiceDefinition>
    <ServiceDefinitionID key="393781"
href="/api/space/nsas/eline-ptp/service-management/service-orders/393781"
uri="/api/space/nsas/eline-ptp/service-management/service-orders/393781"/>
    </ServiceDefinition>
    <Service key="393829"
href="/api/space/nsas/eline-ptp/service-management/services/393829"
uri="/api/space/nsas/eline-ptp/service-management/services/393829"/>
    </Reference>
  </ServiceOrder>
</ServiceResource>
</Data>

```

Get an E-Line LDP Service Order By Order ID

This request is used to retrieve the details of a particular E-Line LDP service order based on the service order ID.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ptp/service-management/ service-orders/<serviceOrderId> |
| HTTP Method | GET |

| | |
|----------|--|
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Collects the details of a specific E-Line LDP service order. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/eline-ptp/service-management/service-orders/9371658"

      uri="/api/space/nsas/eline-ptp/service-management/service-orders/9371658"

      key="9371658">
      <Common>
        <Name>PTP_LDP_REDUNDANCY_API</Name>
        <Identity>9371658</Identity>
        <State>Invalid</State>
        <CreatedDate>2013-01-17T12:15:13.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-01-17T12:15:13.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/device-roles/pe-devices/5341207"
uri="/api/space/nsas/device-roles/pe-devices/5341207"
          key="5341207">
            <DeviceName>junos-m10-1-space</DeviceName>
            <DeviceID>5341207</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/3/3</InterfaceName>
          <ServiceEndpointConfiguration
```

```

        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
    <EndPointCategory>PTP</EndPointCategory>
    <TrafficType>Transport using port</TrafficType>
    <PhysicalEncapsulation>ethernet-ccc</PhysicalEncapsulation>
    <UNIDescription>N/A</UNIDescription>
    <VlanId>0</VlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Mbps">10</Bandwidth>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
</ServiceEndPoint>
<BackUpSettings>
    <Enable>true</Enable>
    <DeviceInfo>
        <NA href="/api/space/nsas/device-roles/pe-devices/5341242"
uri="/api/space/nsas/device-roles/pe-devices/5341242"
        key="5341242">
            <DeviceName>junos-mx480-space</DeviceName>
            <DeviceID>5341242</DeviceID>
        </NA>
    </DeviceInfo>
</ServiceEndPoint>
    <InterfaceName>ge-5/0/3</InterfaceName>
    <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
        <EndPointCategory>PTP</EndPointCategory>
        <MTU>1522</MTU>
        <Bandwidth unit="Mbps">10</Bandwidth>
        <RevertTime>55</RevertTime>
        <SwitchOverDelay>11</SwitchOverDelay>
    </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</BackUpSettings>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA href="/api/space/nsas/device-roles/pe-devices/5341288"
uri="/api/space/nsas/device-roles/pe-devices/5341288"
        key="5341288">
            <DeviceName>junos-mx240-space</DeviceName>

```

```

        <DeviceID>5341288</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge-0/2/7</InterfaceName>
    <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
        <EndPointCategory>PTP</EndPointCategory>
        <TrafficType>Transport using port</TrafficType>
        <PhysicalEncapsulation>ethernet-ccc</PhysicalEncapsulation>
        <UNIDescription>N/A</UNIDescription>
        <VlanId>0</VlanId>
        <MTU>1522</MTU>
        <Bandwidth unit="Mbps">10</Bandwidth>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

    xsi:type="PTPConfigParameterOrderType">
        <MTU>9191</MTU>
        <VCID>2147467369</VCID>
    </ServiceOrderParameter>
    <Reference>
        <Customer key="819263"
            href="/api/space/nsas/customer-management/customers/819263"
uri="/api/space/nsas/customer-management/customers/819263" />
        <ServiceDefinition>
            <ServiceDefinitionID key="4882432"

href="/api/space/nsas/eline-ptp/service-management/service-definitions/4882432"

uri="/api/space/nsas/eline-ptp/service-management/service-definitions/4882432"
/>
        </ServiceDefinition>
    </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Get an E-Line LDP Service Order with Tag Protocol ID By Order ID

This request is used to retrieve the details of a particular E-Line LDP service order with tag protocol configured based on the service order ID.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ntp/service-management/ service-orders/<serviceOrderId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-order+xml |
| Produces | Collects the details of a specific E-Line LDP service order with tag protocol ID. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/eline-ntp/service-management/service-orders/7372820"

      uri="/api/space/nsas/eline-ntp/service-management/service-orders/7372820"

      key="7372820">
      <Common>
        <Name>TPID_P2P_LDP_SO</Name>
        <Identity>7372820</Identity>
        <State>Failed_Deployed</State>
        <CreatedDate>2012-12-26T12:12:33.000+05:30</CreatedDate>
```

```

    <LastUpdatedDate>2012-12-26T12:12:55.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <ServiceType>Point-to-Point Pseudowire</ServiceType>
  <Signaling>LDP</Signaling>
  <Action>Provisioning</Action>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA href="/api/space/nsas/device-roles/pe-devices/3997766"
uri="/api/space/nsas/device-roles/pe-devices/3997766" key="3997766">
        <DeviceName>embassy</DeviceName>
        <DeviceID>3997766</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-1/0/5</InterfaceName>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
        <EndPointCategory>PTP</EndPointCategory>
        <TrafficType>QINQ Transport single vlan</TrafficType>
        <PhysicalEncapsulation>extended-vlan-ccc</PhysicalEncapsulation>
        <LogicalEncapsulation>extended-vlan-ccc</LogicalEncapsulation>
        <UNIDescription>N/A</UNIDescription>
        <OuterTPID>0x88a8</OuterTPID>
        <InnerTPID>0x8100</InnerTPID>
        <VlanId>1500</VlanId>
        <CustomerVlanId>1900</CustomerVlanId>
        <MTU>1522</MTU>
        <Bandwidth unit="Kbps">0</Bandwidth>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA href="/api/space/nsas/device-roles/pe-devices/3997755"
uri="/api/space/nsas/device-roles/pe-devices/3997755"
key="3997755">
        <DeviceName>jaipur</DeviceName>
        <DeviceID>3997755</DeviceID>
      </NA>
    </DeviceInfo>

```

```

    <ServiceEndPoint>
      <InterfaceName>ge-0/1/1</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
        <EndPointCategory>PTP</EndPointCategory>
        <TrafficType>QINQ Transport single vlan</TrafficType>
        <PhysicalEncapsulation>extended-vlan-ccc</PhysicalEncapsulation>
        <LogicalEncapsulation>extended-vlan-ccc</LogicalEncapsulation>
        <UNIDescription>N/A</UNIDescription>
        <OuterTPID>0x88a8</OuterTPID>
        <InnerTPID>0x8100</InnerTPID>
        <VlanId>1500</VlanId>
        <CustomerVlanId>1900</CustomerVlanId>
        <MTU>1522</MTU>
        <Bandwidth unit="Kbps">0</Bandwidth>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

    xsi:type="PTPConfigParameterOrderType">
    <MTU>1522</MTU>
    <VCID>1640</VCID>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="884834"
      href="/api/space/nsas/customer-management/customers/884834"
uri="/api/space/nsas/customer-management/customers/884834" />
    <ServiceDefinition>
      <ServiceDefinitionID key="7372800"
        href="/api/space/nsas/service-management/service-definitions/7372800"
        uri="/api/space/nsas/service-management/service-definitions/7372800"
      />
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Get E-Line LDP Service Order Details for Multi-Segment Pseudowires By Order ID

This request is used to retrieve the details of a particular Layer 2 Ethernet Private Line (EPL, also called E-Line) LDP service order with a multi-segment pseudowire based on the service order ID.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ntp/service-management/ service-orders/<serviceOrder-Id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-order+xml;version=2 |
| Produces | Collects the details of a specific E-Line LDP service order with a multi-segment pseudowire. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder key="393565"
uri="/api/space/nsas/eline-ntp/service-management/service-orders/393565"
href="/api/space/nsas/eline-ntp/service-management/service-orders/393565">
      <Common>
        <Name>P2P_LDP_Multiseg_SO</Name>
        <Identity>393565</Identity>
        <State>Completed</State>
        <Comments>dsfdsf</Comments>
        <CreatedDate>2014-10-15T12:04:31.000+05:30</CreatedDate>
        <LastUpdatedDate>2014-10-15T12:04:55.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="524351" uri="/api/space/nsas/device-roles/pe-devices/524351"
href="/api/space/nsas/device-roles/pe-devices/524351">
```

```

    <DeviceName>embassy</DeviceName>
    <DeviceID>524351</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>xe-0/0/1</InterfaceName>
  <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDP endPointConfigParameterOrderType">
    <PEDevLoopBackIP>50.1.2.4</PEDevLoopBackIP>
    <EndPointCategory>PTP</EndPointCategory>
    <TrafficType>Transport using port</TrafficType>
    <PhysicalEncapsulation>ethernet-ccc</PhysicalEncapsulation>
    <UNIDescription>safsdfsdf</UNIDescription>
    <VlanId>0</VlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Mbps">10</Bandwidth>
  </ServiceEndpointConfiguration>
</ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="525406" uri="/api/space/nsas/device-roles/pe-devices/525406"
href="/api/space/nsas/device-roles/pe-devices/525406">
      <DeviceName>junos-space3</DeviceName>
      <DeviceID>525406</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>iw0</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDP endPointConfigParameterOrderType">
      <PEDevLoopBackIP>30.1.2.9</PEDevLoopBackIP>
      <EndPointCategory>PTP</EndPointCategory>
      <TrafficType>Transport using port</TrafficType>
      <PhysicalEncapsulation>ethernet-ccc</PhysicalEncapsulation>
      <StitchingUnit>10</StitchingUnit>
      <UNIDescription>sdfsdf</UNIDescription>
      <VlanId>0</VlanId>
      <MTU>1522</MTU>

```

```
<Bandwidth unit="Mbps">10</Bandwidth>
</ServiceEndpointConfiguration>
<ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
  <MTU>1522</MTU>
  <VCID>2147467278</VCID>
  <VlanNormalization>Normalization not required</VlanNormalization>
  <MTUFactor>10</MTUFactor>
</ServiceOrderParameter>
<Reference>
  <Customer uri="/api/space/nsas/customer-management/customers/525426"
href="/api/space/nsas/customer-management/customers/525426" key="525426"/>
  <ServiceDefinition>
    <ServiceDefinitionID
uri="/api/space/nsas/eline-ptp/service-management/service-orders/393544"
href="/api/space/nsas/eline-ptp/service-management/service-orders/393544"
key="393544"/>
    </ServiceDefinition>
    <Service uri="/api/space/nsas/eline-ptp/service-management/services/393574"
href="/api/space/nsas/eline-ptp/service-management/services/393574"
key="393574"/>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Get E-Line LDP Service Order Details for Static Pseudowires By Order ID

This request is used to retrieve the details of a particular Layer 2 Ethernet Private Line (EPL, also called E-Line) LDP service order with a static pseudowire based on the service order ID.

| | |
|-----|--|
| URI | api/space/nsas/eline-ptp/service-management/ service-orders/<serviceOrder-Id> |
|-----|--|

| | |
|-------------|---|
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml;version=2 |
| Produces | Collects the details of a specific E-Line LDP service order with a static pseudowire. |

Output

Sample XML Output

```

    <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
    <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
    <ServiceOrder key="393639"
uri="/api/space/nsas/eline-ptp/service-management/service-orders/393639"
href="/api/space/nsas/eline-ptp/service-management/service-orders/393639">
    <Common>
        <Name>P2P_LDP_E_SPW_SO_API_01</Name>
        <Identity>393639</Identity>
        <State>Completed</State>
        <Comments>fdgdfgdf</Comments>
        <CreatedDate>2014-09-18T12:55:22.000+05:30</CreatedDate>
        <LastUpdatedDate>2014-09-18T12:55:25.000+05:30</LastUpdatedDate>

        <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>Point-to-Point Pseudowire</ServiceType>
    <Signaling>LDP</Signaling>
    <Action>Provisioning</Action>
    <ServiceEndPointGroup>
    <DeviceInfo>
        <NA key="524440" uri="/api/space/nsas/device-roles/pe-devices/524440"
href="/api/space/nsas/device-roles/pe-devices/524440">
            <DeviceName>embassy</DeviceName>
            <DeviceID>524440</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
    <InterfaceName>ge-1/0/7</InterfaceName>
    <ServiceEndpointConfiguration

```

```

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
  <PEDevLoopBackIP>50.1.2.4</PEDevLoopBackIP>
  <EndPointCategory>PTP</EndPointCategory>
  <TrafficType>QINQ Transport single vlan</TrafficType>
  <PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
  <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
  <UNIDescription>hgfh</UNIDescription>
  <OuterTPID>None</OuterTPID>
  <InnerTPID>None</InnerTPID>
  <UnitId>514</UnitId>
  <VlanId>514</VlanId>
  <CustomerVlanId>1</CustomerVlanId>
  <MTU>1522</MTU>
  <Bandwidth unit="Kbps">0</Bandwidth>
  <OutgoingLabel>1000000</OutgoingLabel>
  <IncomingLabel>1000000</IncomingLabel>
</ServiceEndpointConfiguration>
<ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="524296" uri="/api/space/nsas/device-roles/pe-devices/524296"
href="/api/space/nsas/device-roles/pe-devices/524296">
      <DeviceName>junos-mx240-space</DeviceName>
      <DeviceID>524296</DeviceID>
    </NA>
  </DeviceInfo>
</ServiceEndPoint>
<InterfaceName>em0</InterfaceName>
<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
  <PEDevLoopBackIP>30.1.2.1</PEDevLoopBackIP>
  <EndPointCategory>PTP</EndPointCategory>
  <TrafficType>QINQ Transport single vlan</TrafficType>
  <PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
  <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
  <UNIDescription>rtyrtutyu</UNIDescription>
  <OuterTPID>None</OuterTPID>
  <InnerTPID>None</InnerTPID>

```

```

    <UnitId>514</UnitId>
    <VlanId>514</VlanId>
    <CustomerVlanId>1</CustomerVlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Kbps">0</Bandwidth>
    <OutgoingLabel>1000000</OutgoingLabel>
    <IncomingLabel>1000000</IncomingLabel>
  </ServiceEndpointConfiguration>
  <ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
  <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
    <MTU>1522</MTU>
    <VCID>2147467269</VCID>
    <VlanNormalization>Normalize to QinQ tags</VlanNormalization>
    <OuterVlanTagToStack>1</OuterVlanTagToStack>
    <InnerVlanTagToStack>1</InnerVlanTagToStack>
  </ServiceOrderParameter>
  <Reference>
    <Customer uri="/api/space/nsas/customer-management/customers/525406"
href="/api/space/nsas/customer-management/customers/525406" key="525406"/>
    <ServiceDefinition>
      <ServiceDefinitionID
uri="/api/space/nsas/eline-ptp/service-management/service-orders/393589"
href="/api/space/nsas/eline-ptp/service-management/service-orders/393589"
key="393589"/>
      </ServiceDefinition>
      <Service uri="/api/space/nsas/eline-ptp/service-management/services/393646"
href="/api/space/nsas/eline-ptp/service-management/services/393646"
key="393646"/>
    </Reference>
  </ServiceOrder>
</ServiceResource>
</Data>

```

Get E-Line LDP Service Order Details with MC-LAG Interfaces By Order ID

This request is used to retrieve the details of a particular Layer 2 Ethernet Private Line (EPL, also called E-Line) LDP service order with multichassis link aggregation (MC-LAG) interfaces based on the service order ID.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ptp/service-management/service-orders/<serviceOrder-Id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml;version=2 |
| Produces | Collects the details of a specific E-Line LDP service order with MC-LAG interfaces. |

Output

Sample XML Output

```

    <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
    <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
    <ServiceOrder key="393568"
uri="/api/space/nsas/eline-ptp/service-management/service-orders/393568"
href="/api/space/nsas/eline-ptp/service-management/service-orders/393568">
    <Common>
    <Name>P2P_LDP_BurstSizeCal_SO</Name>
    <Identity>393568</Identity>
    <State>Completed</State>
    <Comments>erwwer</Comments>
    <CreatedDate>2014-09-26T14:44:31.000+05:30</CreatedDate>
    <LastUpdatedDate>2014-09-26T14:45:32.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>Point-to-Point Pseudowire</ServiceType>
    <Signaling>LDP</Signaling>
    <Action>Provisioning</Action>
    <ServiceEndPointGroup>
    <DeviceInfo>
    <NA key="558232" uri="/api/space/nsas/device-roles/pe-devices/558232"

```

```

href="/api/space/nsas/device-roles/pe-devices/558232">
  <DeviceName>embassy</DeviceName>
  <DeviceID>558232</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-1/1/3</InterfaceName>
  <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDP endPointConfigParameterOrderType">
  <PEDevLoopBackIP>50.1.2.4</PEDevLoopBackIP>
  <EndPointCategory>PTP</EndPointCategory>
  <TrafficType>QINQ Transport single vlan</TrafficType>
  <PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
  <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
  <UNIDescription>ututy</UNIDescription>
  <OuterTPID>None</OuterTPID>
  <InnerTPID>None</InnerTPID>
  <UnitId>512</UnitId>
  <VlanId>512</VlanId>
  <CustomerVlanId>1</CustomerVlanId>
  <MTU>1522</MTU>
  <Bandwidth unit="Mbps">10</Bandwidth>
  </ServiceEndpointConfiguration>
  <ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="557176" uri="/api/space/nsas/device-roles/pe-devices/557176"
href="/api/space/nsas/device-roles/pe-devices/557176">
      <DeviceName>junos-mx80-1-space</DeviceName>
      <DeviceID>557176</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-1/1/7</InterfaceName>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDP endPointConfigParameterOrderType">
        <PEDevLoopBackIP>30.1.2.5</PEDevLoopBackIP>
        <EndPointCategory>PTP</EndPointCategory>

```

```

    <TrafficType>QINQ Transport single vlan</TrafficType>
    <PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
    <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
    <UNIDescription>wreere</UNIDescription>
    <OuterTPID>None</OuterTPID>
    <InnerTPID>None</InnerTPID>
    <UnitId>512</UnitId>
    <VlanId>512</VlanId>
    <CustomerVlanId>1</CustomerVlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Mbps">10</Bandwidth>
  </ServiceEndpointConfiguration>
  <ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
  <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
    <MTU>1522</MTU>
    <VCID>2147467269</VCID>
    <VlanNormalization>Normalize to QinQ tags</VlanNormalization>
    <OuterVlanTagToStack>1</OuterVlanTagToStack>
    <InnerVlanTagToStack>1</InnerVlanTagToStack>
    <MTUFactor>15</MTUFactor>
  </ServiceOrderParameter>
  <Reference>
    <Customer uri="/api/space/nsas/customer-management/customers/558229"
href="/api/space/nsas/customer-management/customers/558229" key="558229"/>
    <ServiceDefinition>
      <ServiceDefinitionID
uri="/api/space/nsas/eline-ptp/service-management/service-orders/393544"
href="/api/space/nsas/eline-ptp/service-management/service-orders/393544"
key="393544"/>
      </ServiceDefinition>
      <Service uri="/api/space/nsas/eline-ptp/service-management/services/393577"
href="/api/space/nsas/eline-ptp/service-management/services/393577"
key="393577"/>
    </Reference>
  </ServiceOrder>
</ServiceResource>
</Data>

```

Get E-Line LDP Service Order Details with Burst Size Calculation By Order ID

This request is used to retrieve the details of a particular Layer 2 Ethernet Private Line (EPL, also called E-Line) LDP service order with burst size calculation based on the service order ID.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ptp/service-management/ service-orders/<serviceOrder-Id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-order+xml;version=2 |
| Produces | Collects the details of a specific E-Line LDP service order with burst size calculation. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder key="1540140"
      uri="/api/space/nsas/eline-ptp/service-management/service-orders/1540140"
      href="/api/space/nsas/eline-ptp/service-management/service-orders/1540140">

      <Common>
        <Name>testMCLag_SO_MDFSO_2014-10-1318-55-35.878</Name>
        <Identity>1540140</Identity>
        <State>Completed</State>
        <CreatedDate>2014-10-13T18:56:18.000+05:30</CreatedDate>
        <LastUpdatedDate>2014-10-14T19:39:18.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
```

```

</Common>
<ServiceType>Point-to-Point Pseudowire</ServiceType>
<Signaling>LDP</Signaling>
<Action>Provisioning</Action>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="1573073" uri="/api/space/nsas/device-roles/pe-devices/1573073"

      href="/api/space/nsas/device-roles/pe-devices/1573073">
        <DeviceName>embassy</DeviceName>
        <DeviceID>1573073</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-1/0/5</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
        <PEDevLoopBackIP>50.1.2.4</PEDevLoopBackIP>
        <EndPointCategory>PTP</EndPointCategory>
        <TrafficType>DOT1Q Transport single vlan</TrafficType>
        <PhysicalEncapsulation>extended-vlan-ccc</PhysicalEncapsulation>
        <LogicalEncapsulation>extended-vlan-ccc</LogicalEncapsulation>
        <UNIDescription>N/A</UNIDescription>
        <OuterTPID>None</OuterTPID>
        <UnitId>1</UnitId>
        <VlanId>1</VlanId>
        <MTU>1522</MTU>
        <Bandwidth unit="Kbps">0</Bandwidth>
      </ServiceEndpointConfiguration>
      <ServiceTemplates />
    </ServiceEndPoint>
  </ServiceEndPointGroup>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="1572979" uri="/api/space/nsas/device-roles/pe-devices/1572979"

      href="/api/space/nsas/device-roles/pe-devices/1572979">
        <DeviceName>junos-mx240-space</DeviceName>
        <DeviceID>1572979</DeviceID>
      </NA>
    </DeviceInfo>

```

```

    <ServiceEndPoint>
      <InterfaceName>ge-0/3/2</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPendPointConfigParameterOrderType">
        <PEDevLoopBackIP>30.1.2.1</PEDevLoopBackIP>
        <EndPointCategory>PTP</EndPointCategory>
        <TrafficType>DOT1Q Transport single vlan</TrafficType>
        <PhysicalEncapsulation>extended-vlan-ccc</PhysicalEncapsulation>
        <LogicalEncapsulation>extended-vlan-ccc</LogicalEncapsulation>
        <UNIDescription>N/A</UNIDescription>
        <OuterTPID>None</OuterTPID>
        <UnitId>1</UnitId>
        <VlanId>1</VlanId>
        <MTU>1522</MTU>
        <Bandwidth unit="Kbps">0</Bandwidth>
      </ServiceEndpointConfiguration>
      <ServiceTemplates />
    </ServiceEndPoint>
  </ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="PTPConfigParameterOrderType">
    <MTU>1522</MTU>
    <VCID>2147467265</VCID>
    <VlanNormalization>Swap</VlanNormalization>
    <MTUFactor>10</MTUFactor>
    <EnableMCLAG>true</EnableMCLAG>
  </ServiceOrderParameter>
  <Reference>
    <Customer uri="/api/space/nsas/customer-management/customers/1573103"
      href="/api/space/nsas/customer-management/customers/1573103" key="1573103"
    />
    <ServiceDefinition>
      <ServiceDefinitionID
        uri="/api/space/nsas/eline-ptp/service-management/service-orders/1540096"

href="/api/space/nsas/eline-ptp/service-management/service-orders/1540096"
        key="1540096" />
      </ServiceDefinition>
    </Service

```

```
        uri="/api/space/nsas/eline-ptp/service-management/services/1540158"
        href="/api/space/nsas/eline-ptp/service-management/services/1540158"
        key="1540158" />
    </Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Get E-Line Service Order Details with Normalization Support By Order ID

This request is used to retrieve the details of a particular Layer 2 Ethernet Private Line (EPL, also called E-Line) service order configured with normalization of VLANs and logical interface unit-handling, based on the service order ID.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ptp/service-management/service-orders/<serviceOrder-Id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml;version=2 |
| Produces | Collects the details of a specific E-Line service order configured with normalization of VLANs and logical unit of interfaces. |

Output (VLAN Normalization: Normalize to Q-in-Q tags)

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder key="852008"
      uri="/api/space/nsas/eline-ptp/service-management/service-orders/852008"
      href="/api/space/nsas/eline-ptp/service-management/service-orders/852008">
```

```

<Common>
  <Name>TeestQinQ</Name>
  <Identity>852008</Identity>
  <State>Validated</State>
  <CreatedDate>2014-07-07T18:42:14.000+05:30</CreatedDate>
  <LastUpdatedDate>2014-07-07T18:42:14.000+05:30</LastUpdatedDate>
  <CreatedBy>super</CreatedBy>
</Common>
<ServiceType>Point-to-Point Pseudowire</ServiceType>
<Signaling>LDP</Signaling>
<Action>Provisioning</Action>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="786447" uri="/api/space/nsas/device-roles/pe-devices/786447"
      href="/api/space/nsas/device-roles/pe-devices/786447">
      <DeviceName>junos-mx240-space</DeviceName>
      <DeviceID>786447</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>em0</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
      <PEDevLoopBackIP>30.1.2.1</PEDevLoopBackIP>
      <EndPointCategory>PTP</EndPointCategory>
      <TrafficType>QINQ Transport all traffic</TrafficType>
      <PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
      <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
      <UNIDescription>N/A</UNIDescription>
      <OuterTPID>None</OuterTPID>
      <UnitId>512</UnitId>
      <VlanId>512</VlanId>
      <MTU>1522</MTU>
      <Bandwidth unit="Kbps">0</Bandwidth>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>

```

```

    <NA key="786493" uri="/api/space/nsas/device-roles/pe-devices/786493"
      href="/api/space/nsas/device-roles/pe-devices/786493">
      <DeviceName>kochin</DeviceName>
      <DeviceID>786493</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>em0</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
      <PEDevLoopBackIP>30.1.2.25</PEDevLoopBackIP>
      <EndPointCategory>PTP</EndPointCategory>
      <TrafficType>QINQ Transport all traffic</TrafficType>
      <PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
      <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
      <UNIDescription>N/A</UNIDescription>
      <OuterTPID>None</OuterTPID>
      <UnitId>512</UnitId>
      <VlanId>512</VlanId>
      <MTU>1522</MTU>
      <Bandwidth unit="Kbps">0</Bandwidth>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="PTPConfigParameterOrderType">
  <MTU>1522</MTU>
  <VCID>2147467350</VCID>
  <VlanNormalization>Normalize to QinQ tags</VlanNormalization>
  <OuterVlanTagToStack>12</OuterVlanTagToStack>
  <InnerVlanTagToStack>13</InnerVlanTagToStack>
</ServiceOrderParameter>
<Reference>
  <Customer uri="/api/space/nsas/customer-management/customers/557118"
    href="/api/space/nsas/customer-management/customers/557118" key="557118"
  />
  <ServiceDefinition>
    <ServiceDefinitionID
      uri="/api/space/nsas/eline-ptp/service-management/service-orders/851977"

```

```

        href="/api/space/nsas/eline-ptp/service-management/service-orders/851977"

        key="851977" />
    </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output (VLAN Normalization: Normalize to dot1Q tags)

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder key="852048"
      uri="/api/space/nsas/eline-ptp/service-management/service-orders/852048"
      href="/api/space/nsas/eline-ptp/service-management/service-orders/852048">

      <Common>
        <Name>Dot1QSO</Name>
        <Identity>852048</Identity>
        <State>Validated</State>
        <CreatedDate>2014-07-07T18:54:22.000+05:30</CreatedDate>
        <LastUpdatedDate>2014-07-07T18:54:22.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="786447" uri="/api/space/nsas/device-roles/pe-devices/786447"
            href="/api/space/nsas/device-roles/pe-devices/786447">
            <DeviceName>junos-mx240-space</DeviceName>
            <DeviceID>786447</DeviceID>
          </NA>

```

```

    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>em1</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
        <PEDevLoopBackIP>30.1.2.1</PEDevLoopBackIP>
        <EndPointCategory>PTP</EndPointCategory>
        <TrafficType>DOT1Q Transport single vlan</TrafficType>
        <PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
        <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
        <UNIDescription>N/A</UNIDescription>
        <OuterTPID>None</OuterTPID>
        <UnitId>512</UnitId>
        <VlanId>512</VlanId>
        <MTU>1522</MTU>
        <Bandwidth unit="Kbps">0</Bandwidth>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA key="786539" uri="/api/space/nsas/device-roles/pe-devices/786539"
        href="/api/space/nsas/device-roles/pe-devices/786539">
        <DeviceName>embassy</DeviceName>
        <DeviceID>786539</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-1/0/7</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
        <PEDevLoopBackIP>50.1.2.4</PEDevLoopBackIP>
        <EndPointCategory>PTP</EndPointCategory>
        <TrafficType>DOT1Q Transport single vlan</TrafficType>
        <PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
        <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
        <UNIDescription>N/A</UNIDescription>
        <OuterTPID>None</OuterTPID>
        <UnitId>512</UnitId>

```

```

        <VlanId>512</VlanId>
        <MTU>1522</MTU>
        <Bandwidth unit="Kbps">0</Bandwidth>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

    xsi:type="PTPConfigParameterOrderType">
    <MTU>1522</MTU>
    <VCID>2147467352</VCID>
    <VlanNormalization>Normalize to Dot1q tag</VlanNormalization>
    <VlanTagToStack>1</VlanTagToStack>
</ServiceOrderParameter>
<Reference>
    <Customer uri="/api/space/nsas/customer-management/customers/557118"
        href="/api/space/nsas/customer-management/customers/557118" key="557118"
    />
    <ServiceDefinition>
        <ServiceDefinitionID
            uri="/api/space/nsas/eline-ptp/service-management/service-orders/852026"

            href="/api/space/nsas/eline-ptp/service-management/service-orders/852026"

            key="852026" />
        </ServiceDefinition>
    </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Get E-Line LDP TDM Service Order Details with CESoPSN Support By Order ID

This request is used to retrieve the details of a particular EPL or E-Line LDP service order configured with time division multiplexed (TDM) Circuit Emulation Service over Packet-Switched Network (CESoPSN), based on the service order ID.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ptp/service-management/service-orders/<serviceOrder-Id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml;version=2 |
| Produces | Collects the details of a specific E-Line LDP service order with TDM CESoPSN configured. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder key="3604697"
uri="/api/space/nsas/eline-ptp/service-management/service-orders/3604697"
href="/api/space/nsas/eline-ptp/service-management/service-orders/3604697">
      <Common>
        <Name>TDM_SO_API</Name>
        <Identity>3604697</Identity>
        <State>Validated</State>
        <Comments>dgfdgdfgfd</Comments>
        <CreatedDate>2014-10-21T12:37:15.000+05:30</CreatedDate>
        <LastUpdatedDate>2014-10-21T12:37:13.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="525348" uri="/api/space/nsas/device-roles/pe-devices/525348">
```

```

href="/api/space/nsas/device-roles/pe-devices/525348">
  <DeviceName>junos-space5</DeviceName>
  <DeviceID>525348</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>t1-0/0/1</InterfaceName>
  <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
  <EndPointCategory>PTP</EndPointCategory>
  <TrafficType>Transport using port</TrafficType>
  <PhysicalEncapsulation>satop</PhysicalEncapsulation>
  <UNIDescription>N/A</UNIDescription>
  <JitterBuffer>5</JitterBuffer>
  <IdlePattern>255</IdlePattern>
  <ExcessPacketLossRate>20</ExcessPacketLossRate>
  <PayloadSize>192</PayloadSize>
  </ServiceEndpointConfiguration>
  <ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
  <NA key="525406" uri="/api/space/nsas/device-roles/pe-devices/525406"
href="/api/space/nsas/device-roles/pe-devices/525406">
  <DeviceName>junos-space3</DeviceName>
  <DeviceID>525406</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>iw0</InterfaceName>
  <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
  <EndPointCategory>PTP</EndPointCategory>
  <TrafficType>Transport using port</TrafficType>
  <PhysicalEncapsulation>satop</PhysicalEncapsulation>
  <StitchingUnit>130</StitchingUnit>
  <UNIDescription>N/A</UNIDescription>
  <JitterBuffer>5</JitterBuffer>
  <IdlePattern>255</IdlePattern>

```

```
<ExcessPacketLossRate>20</ExcessPacketLossRate>
<PayloadSize>192</PayloadSize>
</ServiceEndpointConfiguration>
<ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMConfigParameterOrderType">
  <VCID>2147467293</VCID>
  <VlanNormalization>Swap</VlanNormalization>
</ServiceOrderParameter>
<Reference>
  <Customer uri="/api/space/nsas/customer-management/customers/525426"
href="/api/space/nsas/customer-management/customers/525426" key="525426"/>
  <ServiceDefinition>
    <ServiceDefinitionID
uri="/api/space/nsas/eline-ptp/service-management/service-orders/3407971"
href="/api/space/nsas/eline-ptp/service-management/service-orders/3407971"
key="3407971"/>
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Get E-Line LDP TDM Service Order Details with Multi-Segment Pseudowire By Order ID

This request is used to retrieve the details of a particular E-Line LDP service order configured that contains TDM interfaces with multi-segment pseudowires for E-Line LDP TDM, based on the service order ID.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ptp/service-management/ service-orders/<serviceOrder-Id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-order+xml;version=2 |

Produces

Collects the details of a specific E-Line LDP service order with TDM interfaces and a multi-segment pseudowire.

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder key="3604697"
uri="/api/space/nsas/eline-ptp/service-management/service-orders/3604697"
href="/api/space/nsas/eline-ptp/service-management/service-orders/3604697">
      <Common>
        <Name>TDM_SO_API</Name>
        <Identity>3604697</Identity>
        <State>Validated</State>
        <Comments>dgfdgdfgfd</Comments>
        <CreatedDate>2014-10-21T12:37:15.000+05:30</CreatedDate>
        <LastUpdatedDate>2014-10-21T12:37:13.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="525348" uri="/api/space/nsas/device-roles/pe-devices/525348"
href="/api/space/nsas/device-roles/pe-devices/525348">
            <DeviceName>junos-space5</DeviceName>
            <DeviceID>525348</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>t1-0/0/1</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
            <TrafficType>Transport using port</TrafficType>
            <PhysicalEncapsulation>satop</PhysicalEncapsulation>
            <UNIDescription>N/A</UNIDescription>
```

```

    <JitterBuffer>5</JitterBuffer>
    <IdlePattern>255</IdlePattern>
    <ExcessPacketLossRate>20</ExcessPacketLossRate>
    <PayloadSize>192</PayloadSize>
  </ServiceEndpointConfiguration>
  <ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="525406" uri="/api/space/nsas/device-roles/pe-devices/525406"
href="/api/space/nsas/device-roles/pe-devices/525406">
      <DeviceName>junos-space3</DeviceName>
      <DeviceID>525406</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>iw0</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
      <EndPointCategory>PTP</EndPointCategory>
      <TrafficType>Transport using port</TrafficType>
      <PhysicalEncapsulation>satop</PhysicalEncapsulation>
      <StitchingUnit>130</StitchingUnit>
      <UNIDescription>N/A</UNIDescription>
      <JitterBuffer>5</JitterBuffer>
      <IdlePattern>255</IdlePattern>
      <ExcessPacketLossRate>20</ExcessPacketLossRate>
      <PayloadSize>192</PayloadSize>
    </ServiceEndpointConfiguration>
    <ServiceTemplates/>
  </ServiceEndPoint>
</ServiceEndPointGroup>
  <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMConfigParameterOrderType">
    <VCID>2147467293</VCID>
    <VlanNormalization>Swap</VlanNormalization>
  </ServiceOrderParameter>
  <Reference>
    <Customer uri="/api/space/nsas/customer-management/customers/525426"

```

```
href="/api/space/nsas/customer-management/customers/525426" key="525426"/>
  <ServiceDefinition>
    <ServiceDefinitionID
uri="/api/space/nsas/eline-ptp/service-management/service-orders/3407971"
href="/api/space/nsas/eline-ptp/service-management/service-orders/3407971"
key="3407971"/>
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Get E-Line LDP ATM Service Order Details with Multi-Segment Pseudowire By Order ID

This request is used to retrieve the details of a particular E-Line LDP service order configured that contains ATM interfaces with multi-segment pseudowires for E-Line LDP ATM, based on the service order ID.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ptp/service-management/ service-orders/<serviceOrder-Id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-order+xml;version=2 |
| Produces | Collects the details of a specific E-Line LDP service order with ATM interfaces and a multi-segment pseudowire. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
```

```

<Name>ATM_SO_API</Name>
<Comments>dgfgd</Comments>
</Common>
<ServiceType>Point-to-Point Pseudowire</ServiceType>
<Signaling>LDP</Signaling>
<Action>Provisioning</Action>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="525348" uri="/api/space/nsas/device-roles/pe-devices/525348"
href="/api/space/nsas/device-roles/pe-devices/525348">
    <DeviceName>junos-space5</DeviceName>
    <DeviceID>525348</DeviceID>
  </NA>
</DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>at-0/0/7</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterOrderType">
    <EndPointCategory>PTP</EndPointCategory>
    <UNIDescription>dgfgfdgfd</UNIDescription>
  </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="525406" uri="/api/space/nsas/device-roles/pe-devices/525406"
href="/api/space/nsas/device-roles/pe-devices/525406">
    <DeviceName>junos-space3</DeviceName>
    <DeviceID>525406</DeviceID>
  </NA>
</DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>iw0</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterOrderType">
    <EndPointCategory>PTP</EndPointCategory>
    <StitchingUnit>128</StitchingUnit>
    <UNIDescription>dsfdsgfg</UNIDescription>
  </ServiceEndpointConfiguration>
  </ServiceEndPoint>

```

```
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="PTPATMConfigParameterOrderType">
  <VlanNormalization>Swap</VlanNormalization>
  <VPI>34</VPI>
  <VCI>45</VCI>
</ServiceOrderParameter>
<Reference>
  <Customer key="525426"/>
  <ServiceDefinition>
    <ServiceDefinitionID key="3407991"/>
  </ServiceDefinition>
  <Service key="3604613"/>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Create an E-Line LDP Service Order

This request is used to create an E-Line LDP service order.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml;version=2;charset=UTF-8 |

| | |
|----------|--|
| Consumes | <p>application/vnd.net.juniper.space.service-management.service-order-status+xml;version=2</p> <p>For the various options in creating ServiceOrder the options must be specified in the Action Element inside OperationSpecificData. The following values can be entered:</p> <ul style="list-style-type: none">• Save (Create and only Save a SO)• SaveAndValidate (Create, Save, and Validate a SO) Default value when no Custom action is specified.• SaveAndDeployNow (Create, Save, and Deploy a SO)• SaveAndDeployLater (Create, Save, and Deploy Later a SO) |
| Produces | Creates an E-Line LDP service order. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>P2P_SO</Name>
        <Comments>P2P service order</Comments>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>embassy</DeviceName>
            <DeviceID>327752</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/0/1</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
            <VlanId>760</VlanId>
            <MTU>1522</MTU>
```

```

        <Bandwidth unit="Mbps">10</Bandwidth>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA>
            <DeviceName>exora</DeviceName>
            <DeviceID>327689</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/1/2</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
            <VlanId>760</VlanId>
            <MTU>1522</MTU>
            <Bandwidth unit="Mbps">10</Bandwidth>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
    <MTU>1577</MTU>
    <VCID>760</VCID>
</ServiceOrderParameter>
<Reference>
    <Customer key="327680"/>
    <ServiceDefinition>
        <ServiceDefinitionID key="262144"/>
    </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
    <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
        <Action>SaveAndDeployNow</Action>
        <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
    </CustomAction>

```

```
</Data>
```

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<Status>
  <Identity>
    <Type>ServiceOrder</Type>
    <Value>6553609</Value>
  </Identity>
  <Job>
    <ID>1998898</ID>
    <Status>INPROGRESS</Status>
  </Job>
  <Code>200</Code>
  <Message>Service Order Created Successfully and Deployment is in Progress.
  Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Create an E-Line LDP Ethernet Service Order with Multi-Segment Pseudowire

This request is used to create an E-Line LDP service order for Ethernet interfaces with multi-segment pseudowires.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml;version=2 |

Produces

Creates an E-Line LDP service order for Ethernet interfaces with multi-segment pseudowires.

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>P2P_LDP_Multiseg_SO_API_Test</Name>
        <Comments>dsfdsf</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="524351" uri="/api/space/nsas/device-roles/pe-devices/524351"
href="/api/space/nsas/device-roles/pe-devices/524351">
            <DeviceName>embassy</DeviceName>
            <DeviceID>524351</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/1/4</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDP endPointConfigParameterOrderType">
            <PEDevLoopBackIP>50.1.2.4</PEDevLoopBackIP>
            <EndPointCategory>PTP</EndPointCategory>
            <UNIDescription>safsdfsdf</UNIDescription>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="525406" uri="/api/space/nsas/device-roles/pe-devices/525406"
href="/api/space/nsas/device-roles/pe-devices/525406">
            <DeviceName>junos-space3</DeviceName>
            <DeviceID>525406</DeviceID>
```

```

    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>iw0</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
      <PEDevLoopBackIP>30.1.2.9</PEDevLoopBackIP>
      <EndPointCategory>PTP</EndPointCategory>
      <StitchingUnit>150</StitchingUnit>
      <UNIDescription>sdfdsf</UNIDescription>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
  <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
    <VlanNormalization>Normalization not required</VlanNormalization>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="525426" />
    <ServiceDefinition>
      <ServiceDefinitionID key="393544" />
    </ServiceDefinition>
    <Service key="393574" />
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>

```

```
<Value>6553609</Value>
</Identity>
<Job>
  <ID>1998898</ID>
  <Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>Service Order Created Successfully and Deployment is in Progress.
Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Create an E-Line LDP Ethernet Service Order with Static Pseudowire

This request is used to create an E-Line LDP service order for Ethernet interfaces with static pseudowires.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml;version=2; charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml;version=2 |
| Produces | Creates an E-Line LDP service order for Ethernet interfaces with static pseudowires. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
```

```

        <Name>P2P_LDP_E_SPW_SO_API_01</Name>
        <Comments>fdgdfgdf</Comments>
    </Common>
    <ServiceType>Point-to-Point Pseudowire</ServiceType>
    <Signaling>LDP</Signaling>
    <Action>Provisioning</Action>
    <ServiceEndPointGroup>
    <DeviceInfo>
        <NA key="524440" uri="/api/space/nsas/device-roles/pe-devices/524440"
href="/api/space/nsas/device-roles/pe-devices/524440">
            <DeviceName>embassy</DeviceName>
            <DeviceID>524440</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-1/0/7</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
        <EndPointCategory>PTP</EndPointCategory>
        <UNIDescription>hgfh</UNIDescription>
        <CustomerVlanId>1</CustomerVlanId>
        <OutgoingLabel>1000000</OutgoingLabel>
    </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA key="524296" uri="/api/space/nsas/device-roles/pe-devices/524296"
href="/api/space/nsas/device-roles/pe-devices/524296">
            <DeviceName>junos-mx240-space</DeviceName>
            <DeviceID>524296</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>em0</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
        <EndPointCategory>PTP</EndPointCategory>
        <UNIDescription>rtyrtutyu</UNIDescription>
        <CustomerVlanId>1</CustomerVlanId>

```

```

        <OutgoingLabel>1000000</OutgoingLabel>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
    <VlanNormalization>Normalize to QinQ tags</VlanNormalization>
    <OuterVlanTagToStack>1</OuterVlanTagToStack>
    <InnerVlanTagToStack>1</InnerVlanTagToStack>
</ServiceOrderParameter>
<Reference>
    <Customer key="525406"/>
    <ServiceDefinition>
        <ServiceDefinitionID key="393589"/>
    </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndDeployNow</Action>
</CustomAction>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
    <Identity>
        <Type>ServiceOrder</Type>
        <Value>393639</Value>
    </Identity>
    <Job>
    <ID>196637</ID>

```

```
<Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>Service Order Created Successfully and Deployment is in Progress.
Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Create an E-Line LDP Ethernet Service Order with MC-LAG Interfaces

This request is used to create an E-Line LDP service order for MC-LAG interfaces.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml;version=2 |
| Produces | Creates an E-Line LDP service order for MC-LAG interfaces. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>MC_LAG_API_02</Name>
        <Comments>rtert</Comments>
```

```

    </Common>
    <ServiceType>Point-to-Point Pseudowire</ServiceType>
    <Signaling>LDP</Signaling>
    <Action>Provisioning</Action>
    <ServiceEndPointGroup>
    <DeviceInfo>
    <NA>
        <DeviceName>junos-mx240-space</DeviceName>
        <DeviceID>524419</DeviceID>
    </NA>
    </DeviceInfo>
    <ServiceEndPoint>
    <InterfaceName>ge-0/0/7</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDP endPointConfigParameterOrderType">
    <PEDevLoopBackIP>30.1.2.1</PEDevLoopBackIP>
    <EndPointCategory>PTP</EndPointCategory>
    <UNIDescription>gfhgfhg</UNIDescription>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
    <BackUpSettings>
        <Enable>true</Enable>
        <DeviceInfo>
            <NA>
                <DeviceName>junos-space5</DeviceName>
                <DeviceID>525453</DeviceID>
            </NA>
        </DeviceInfo>
    </ServiceEndPoint>
        <InterfaceName>ge-0/1/7</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDP endPointConfigParameterOrderType">
            </ServiceEndpointConfiguration>
            <Description>gfhgfhg</Description>
        </ServiceEndPoint>
    </BackUpSettings>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DeviceInfo>
<NA>

```

```

        <DeviceName>junos-mx80-1-space</DeviceName>
        <DeviceID>524367</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge-1/0/9</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
        <PEDevLoopBackIP>30.1.2.5</PEDevLoopBackIP>
        <EndPointCategory>PTP</EndPointCategory>
        <UNIDescription>rthyrthy</UNIDescription>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
<BackUpSettings>
    <Enable>true</Enable>
    <DeviceInfo>
        <NA>
            <DeviceName>junos-space3</DeviceName>
            <DeviceID>525483</DeviceID>
        </NA>
    </DeviceInfo>
</ServiceEndPoint>
    <InterfaceName>ae2</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
        </ServiceEndpointConfiguration>
        <Description>rthyrthy</Description>
    </ServiceEndPoint>
</BackUpSettings>
</ServiceEndPointGroup>
<ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
    <VlanNormalization>Normalization not required</VlanNormalization>
    <EnableMCLAG>true</EnableMCLAG>
</ServiceOrderParameter>
<Reference>
    <Customer key="525504"/>
</ServiceDefinition>
<ServiceDefinitionID key="394022"/>

```

```

    </ServiceDefinition>
    <Service key="819243"/>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
      <Identity>
        <Type>ServiceOrder</Type>
        <Value>819322</Value>
      </Identity>
      <Job>
        <ID>327757</ID>
        <Status>INPROGRESS</Status>
      </Job>
      <Code>200</Code>
      <Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
    </Status>
  </Data>

```

Create an E-Line Service Order with VLAN Normalization

This request is used to create an E-Line service order configured with VLAN normalization types.

URI

api/space/nsas/eline-ptp/service-management/service-orders/

| | |
|--------------|--|
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml;version=2 |
| Produces | Creates an E-Line service order configured with VLAN normalization types. |

Input (VLAN Normalization: Normalize to QinQ tags)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>P2P_LDP_SO_MTUBased_API_Test01</Name>
        <Comments>P2P service order</Comments>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>embassy</DeviceName>
            <DeviceID>557096</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/1/3</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
            <UnitId>56</UnitId>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
```

```

    <DeviceName>junos-mx240-space</DeviceName>
                                <DeviceID>557076</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ae2</InterfaceName>
  <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
    <EndPointCategory>PTP</EndPointCategory>
                                <UnitId>56</UnitId>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
  <OuterVlanTagToStack>12</OuterVlanTagToStack>
  <InnerVlanTagToStack>14</InnerVlanTagToStack>
                                <MTUFactor>56</MTUFactor>
</ServiceOrderParameter>
<Reference>
<Customer key="851968"/>
<ServiceDefinition>
  <ServiceDefinitionID key="917590"/>
</ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndDeployNow</Action>
  </CustomAction>
</Data>

```

Input (VLAN Normalization: Normalize to dot1Q tags)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource>
  <ServiceOrder>
    <Common>
      <Name>P2P_LDP_SO_MTUBased_API_Test01</Name>
      <Comments>P2P service order</Comments>
    </Common>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <NA>
          <DeviceName>embassy</DeviceName>
          <DeviceID>557096</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-1/1/3</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
          <EndPointCategory>PTP</EndPointCategory>
          <UnitId>56</UnitId>
        </ServiceEndpointConfiguration>
      </ServiceEndPoint>
    </ServiceEndPointGroup>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <NA>
          <DeviceName>junos-mx240-space</DeviceName>
          <DeviceID>557076</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ae2</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
          <EndPointCategory>PTP</EndPointCategory>
          <UnitId>56</UnitId>
        </ServiceEndpointConfiguration>
      </ServiceEndPoint>
    </ServiceEndPointGroup>
  <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

```

```

xsi:type="PTPConfigParameterOrderType">
    <VlanTagToStack>1</VlanTagToStack>
    <BurstPeriod >56</BurstPeriod>
</ServiceOrderParameter>
<Reference>
<Customer key="851968"/>
<ServiceDefinition>
    <ServiceDefinitionID key="917590"/>
</ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
    <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndDeployNow</Action>
    </CustomAction>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>393698</Value>
    </Identity>
    <Job>
      <ID>131165</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
  </Status>

```

```
</Data>
```

Create an E-Line LDP TDM Service Order with CESoPSN

This request is used to create an E-Line LDP service order with time division multiplexed (TDM) Circuit Emulation Service over Packet-Switched Network (CESoPSN).

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml;version=2 |
| Produces | Creates an E-Line LDP service order with time division multiplexed (TDM) Circuit Emulation Service over Packet-Switched Network (CESoPSN). |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>CESoPSN_SO_Test_Via_API</Name>
        <Comments>dfgfdg</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
```

```

    <Signaling>LDP</Signaling>
    <Action>Provisioning</Action>
    <ServiceEndPointGroup>
    <DeviceInfo>
    <NA>
    <DeviceName>junos-space2</DeviceName>
    <DeviceID>590135</DeviceID>
    </NA>
    </DeviceInfo>
    <ServiceEndPoint>
    <InterfaceName>ds-0/0/3:3</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
    <PacketizationLatency>5000</PacketizationLatency>
    <EndPointCategory>PTP</EndPointCategory>
    <UNIDescription>dgfgfdg</UNIDescription>
    <JitterBuffer>5</JitterBuffer>
    <IdlePattern>255</IdlePattern>
    <ExcessPacketLossRate>20</ExcessPacketLossRate>
    </ServiceEndpointConfiguration>
    </ServiceEndPoint>
    </ServiceEndPointGroup>
    <ServiceEndPointGroup>
    <DeviceInfo>
    <NA>
    <DeviceName>junos-space2</DeviceName>
    <DeviceID>590135</DeviceID>
    </NA>
    </DeviceInfo>
    <ServiceEndPoint>
    <InterfaceName>ds-0/0/7:3</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
    <PacketizationLatency>5000</PacketizationLatency>
    <EndPointCategory>PTP</EndPointCategory>
    <UNIDescription>fghhghf</UNIDescription>
    <JitterBuffer>5</JitterBuffer>
    <IdlePattern>255</IdlePattern>
    <ExcessPacketLossRate>20</ExcessPacketLossRate>
    </ServiceEndpointConfiguration>

```

```

        </ServiceEndPoint>
    </ServiceEndPointGroup>
    <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMConfigParameterOrderType"/>
        <Reference>
            <Customer key="589824"
href="/api/space/nsas/customer-management/customers/589824"
uri="/api/space/nsas/customer-management/customers/589824"/>
                <ServiceDefinition>
                    <ServiceDefinitionID key="393544"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/393544"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/393544"/>

                </ServiceDefinition>
                <Service key="393571"
href="/api/space/nsas/eline-ptp/service-management/services/393571"
uri="/api/space/nsas/eline-ptp/service-management/services/393571"/>
            </Reference>
        </ServiceOrder>
    </ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
  <Identity>
    <Type>ServiceOrder</Type>
    <Value>393581</Value>
  </Identity>
  <Job>
    <ID>131109</ID>

```

```
<Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Create an E-Line LDP TDM Service Order with Multi-Segment Pseudowire for E-Line

This request is used to create an E-Line LDP service order with TDM interfaces and multi-segment pseudowires for E-Line.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml;version=2 |
| Produces | Creates an E-Line LDP service order with TDM interfaces and multi-segment pseudowires for E-Line. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>TDM_SO_API</Name>
        <Comments>dgfdgdfgfd</Comments>
```

```

        </Common>
        <ServiceType>Point-to-Point Pseudowire</ServiceType>
        <Signaling>LDP</Signaling>
        <Action>Provisioning</Action>
        <ServiceEndPointGroup>
        <DeviceInfo>
        <NA key="525348" uri="/api/space/nsas/device-roles/pe-devices/525348"
href="/api/space/nsas/device-roles/pe-devices/525348">
        <DeviceName>junos-space5</DeviceName>
        <DeviceID>525348</DeviceID>
        </NA>
        </DeviceInfo>
        <ServiceEndPoint>
        <InterfaceName>t1-0/0/1</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
        <EndPointCategory>PTP</EndPointCategory>
        <UNIDescription>N/A</UNIDescription>
        </ServiceEndpointConfiguration>
        </ServiceEndPoint>
        </ServiceEndPointGroup>
        <ServiceEndPointGroup>
        <DeviceInfo>
        <NA key="525406" uri="/api/space/nsas/device-roles/pe-devices/525406"
href="/api/space/nsas/device-roles/pe-devices/525406">
        <DeviceName>junos-space3</DeviceName>
        <DeviceID>525406</DeviceID>
        </NA>
        </DeviceInfo>
        <ServiceEndPoint>
        <InterfaceName>iw0</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
        <EndPointCategory>PTP</EndPointCategory>
        <StitchingUnit>130</StitchingUnit>
        <UNIDescription>N/A</UNIDescription>
        </ServiceEndpointConfiguration>
        </ServiceEndPoint>
        </ServiceEndPointGroup>
        <ServiceOrderParameter

```

```

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMConfigParameterOrderType">
  <VlanNormalization>Swap</VlanNormalization>
</ServiceOrderParameter>
<Reference>
  <Customer key="525426" />
  <ServiceDefinition>
    <ServiceDefinitionID key="3407971" />
  </ServiceDefinition>
  <Service key="3604602" />
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
      <Identity>
        <Type>ServiceOrder</Type>
        <Value>3604697</Value>
      </Identity>
      <Job>
        <ID>1016496</ID>
        <Status>INPROGRESS</Status>
      </Job>
      <Code>200</Code>
      <Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
    </Status>
  </Data>

```

Create an E-Line LDP ATM Service Order with Multi-Segment Pseudowire

This request is used to create an E-Line LDP service order with ATM interfaces and multi-segment pseudowires.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml;version=2 |
| Produces | Creates an E-Line LDP service order with ATM interfaces and multi-segment pseudowires. |

Input

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>ATM_SO_API</Name>
        <Comments>dgfgd</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="525348" uri="/api/space/nsas/device-roles/pe-devices/525348"
href="/api/space/nsas/device-roles/pe-devices/525348">
            <DeviceName>junos-space5</DeviceName>
            <DeviceID>525348</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>at-0/0/7</InterfaceName>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>
</Data>

```

```

<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterOrderType">
<EndPointCategory>PTP</EndPointCategory>
<UNIDescription>dfgfgfdgfd</UNIDescription>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DeviceInfo>
<NA key="525406" uri="/api/space/nsas/device-roles/pe-devices/525406"
href="/api/space/nsas/device-roles/pe-devices/525406">
<DeviceName>junos-space3</DeviceName>
<DeviceID>525406</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>iw0</InterfaceName>
<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterOrderType">
<EndPointCategory>PTP</EndPointCategory>
<StitchingUnit>128</StitchingUnit>
<UNIDescription>dsfsgfg</UNIDescription>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMConfigParameterOrderType">
<VlanNormalization>Swap</VlanNormalization>
<VPI>34</VPI>
<VCI>45</VCI>
</ServiceOrderParameter>
<Reference>
<Customer key="525426"/>
<ServiceDefinition>
<ServiceDefinitionID key="3407991"/>
</ServiceDefinition>
<Service key="3604613"/>
</Reference>
</ServiceOrder>
</ServiceResource>

```

```
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
      <Identity>
        <Type>ServiceOrder</Type>
        <Value>3604697</Value>
      </Identity>
      <Job>
        <ID>1016496</ID>
        <Status>INPROGRESS</Status>
      </Job>
      <Code>200</Code>
      <Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
    </Status>
  </Data>
```

Modify an E-Line LDP TDM Service Order with Multi-Segment Pseudowire for E-Line

This request is used to modify an E-Line LDP service order with TDM interfaces and multi-segment pseudowires for E-Line.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.modify-service-order+xml;version=2;charset=UTF-8 |

| | |
|----------|--|
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml;version=2 |
| Produces | Modifies an E-Line LDP service order with TDM interfaces and multi-segment pseudowires for E-Line. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>TDM_SO_API</Name>
        <Comments>dgfdgdfgfd</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="525348" uri="/api/space/nsas/device-roles/pe-devices/525348"
href="/api/space/nsas/device-roles/pe-devices/525348">
            <DeviceName>junos-space5</DeviceName>
            <DeviceID>525348</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>t1-0/0/1</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
            <UNIDescription>N/A</UNIDescription>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceEndPointGroup>
    <DeviceInfo>
      <NA key="525406" uri="/api/space/nsas/device-roles/pe-devices/525406"
href="/api/space/nsas/device-roles/pe-devices/525406">
```

```

    <DeviceName>junos-space3</DeviceName>
    <DeviceID>525406</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>iw0</InterfaceName>
  <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
    <EndPointCategory>PTP</EndPointCategory>
    <StitchingUnit>198</StitchingUnit>
    <UNIDescription>N/A</UNIDescription>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
  <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMConfigParameterOrderType">
    <VlanNormalization>Swap</VlanNormalization>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="525426" />
    <ServiceDefinition>
      <ServiceDefinitionID key="3407971" />
    </ServiceDefinition>
    <Service key="3604602" />
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
    <Identity>

```

```
<Type>ServiceOrder</Type>
<Value>884775</Value>
</Identity>
<Job>
  <ID>294932</ID>
  <Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>The Service Order Modified Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Modify a Saved E-Line LDP Service Order with Ethernet Option as Asymmetric Tag Depth

This request is used to modify a saved E-Line LDP service order configured with flexible VLAN tagging (asymmetric tag depth) as the Ethernet option.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/ service-orders/<serviceOrderId> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.modify-service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |
| Produces | Modifies a saved E-Line LDP service order configured with flexible VLAN tagging (asymmetric tag depth) as the Ethernet option. |

Input

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>P2P_LDP_Asymmetric_ModifySO_API</Name>
        <Comments>sdfsf</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="524504" uri="/api/space/nsas/device-roles/pe-devices/524504"
href="/api/space/nsas/device-roles/pe-devices/524504">
            <DeviceName>embassy</DeviceName>
            <DeviceID>524504</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/1/2</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDP endPointConfigParameterOrderType">
            <PEDevLoopBackIP>50.1.2.4</PEDevLoopBackIP>
            <EndPointCategory>PTP</EndPointCategory>
            <TrafficType>QINQ Transport single vlan</TrafficType>
          <EthernetOption>qinq</EthernetOption>
          <UNIDescription>sdfsd</UNIDescription>
          <CustomerVlanId>1</CustomerVlanId>
        </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="524452" uri="/api/space/nsas/device-roles/pe-devices/524452"
href="/api/space/nsas/device-roles/pe-devices/524452">
            <DeviceName>junos-mx80-1-space</DeviceName>
            <DeviceID>524452</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/2/8</InterfaceName>

```

```

    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
    <PEDevLoopBackIP>30.1.2.5</PEDevLoopBackIP>
    <EndPointCategory>PTP</EndPointCategory>
    <TrafficType>QINQ Transport single vlan</TrafficType>
    <EthernetOption>qinq</EthernetOption>
    <UNIDescription>sdfdsfs</UNIDescription>
    <CustomerVlanId>1</CustomerVlanId>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
    <VlanNormalization>Normalize to Dot1q tag</VlanNormalization>
    <VlanTagToStack>1</VlanTagToStack>
    </ServiceOrderParameter>
    <Reference>
    <Customer key="524615"/>
    <ServiceDefinition>
    <ServiceDefinitionID key="393587"/>
    </ServiceDefinition>
    <Service key="393576"/>
    </Reference>
    </ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>6553609</Value>
    </Identity>

```

```
<Job>
  <ID>1998898</ID>
  <Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>Service Order Modified Successfully and Deployment is in
  Progress. Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Modify an E-Line LDP ATM Service Order with Multi-Segment Pseudowire

This request is used to modify a previously configured E-Line LDP service order with ATM interfaces and multi-segment pseudowires.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.modify-service-order+xml;version=2; charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml;version=2 |
| Produces | Modifies an E-Line LDP service order with ATM interfaces and multi-segment pseudowires. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
```

```

<Name>ATM_Modify_SO_API</Name>
<Comments>dgfgd</Comments>
</Common>
<ServiceType>Point-to-Point Pseudowire</ServiceType>
<Signaling>LDP</Signaling>
<Action>Provisioning</Action>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="525348" uri="/api/space/nsas/device-roles/pe-devices/525348"
href="/api/space/nsas/device-roles/pe-devices/525348">
    <DeviceName>junos-space5</DeviceName>
    <DeviceID>525348</DeviceID>
  </NA>
</DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>at-0/0/7</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterOrderType">
    <EndPointCategory>PTP</EndPointCategory>
    <UNIDescription>dgfgfdgfd</UNIDescription>
  </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="525406" uri="/api/space/nsas/device-roles/pe-devices/525406"
href="/api/space/nsas/device-roles/pe-devices/525406">
    <DeviceName>junos-space3</DeviceName>
    <DeviceID>525406</DeviceID>
  </NA>
</DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>iw0</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterOrderType">
    <EndPointCategory>PTP</EndPointCategory>
    <StitchingUnit>189</StitchingUnit>
    <UNIDescription>dsfdsgfg</UNIDescription>
  </ServiceEndpointConfiguration>
  </ServiceEndPoint>

```

```

</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="PTPATMConfigParameterOrderType">
  <VlanNormalization>Swap</VlanNormalization>
  <VPI>34</VPI>
  <VCI>45</VCI>
</ServiceOrderParameter>
<Reference>
  <Customer key="525426"/>
  <ServiceDefinition>
    <ServiceDefinitionID key="3407991"/>
  </ServiceDefinition>
  <Service key="3604613"/>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
      <Identity>
        <Type>ServiceOrder</Type>
        <Value>884775</Value>
      </Identity>
      <Job>
        <ID>294932</ID>
        <Status>INPROGRESS</Status>
      </Job>
      <Code>200</Code>
      <Message>The Service Order Modified Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
    </Status>
  </Data>

```

Create an E-Line LDP Service Order with Static Pseudowire for E-Line

This request is used to create an E-Line LDP service order with static pseudowires for E-Line.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml;version=2 |
| Produces | Creates an E-Line LDP service order with static pseudowires for E-Line. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>P2P_LDP_E_SPW_SO_API_01</Name>
        <Comments>fdgdfgdf</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="524440" uri="/api/space/nsas/device-roles/pe-devices/524440"
href="/api/space/nsas/device-roles/pe-devices/524440">
            <DeviceName>embassy</DeviceName>
            <DeviceID>524440</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/0/7</InterfaceName>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
      <ServiceEndpointConfiguration>
```

```

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
    <EndPointCategory>PTP</EndPointCategory>
    <UNIDescription>hgfh</UNIDescription>
    <CustomerVlanId>1</CustomerVlanId>
    <OutgoingLabel>1000000</OutgoingLabel>
</ServiceEndPointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DeviceInfo>
    <NA key="524296" uri="/api/space/nsas/device-roles/pe-devices/524296"
href="/api/space/nsas/device-roles/pe-devices/524296">
        <DeviceName>junos-mx240-space</DeviceName>
        <DeviceID>524296</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>em0</InterfaceName>
    <ServiceEndPointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
        <EndPointCategory>PTP</EndPointCategory>
        <UNIDescription>rtyrtutyu</UNIDescription>
        <CustomerVlanId>1</CustomerVlanId>
        <OutgoingLabel>1000000</OutgoingLabel>
    </ServiceEndPointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
    <VlanNormalization>Normalize to QinQ tags</VlanNormalization>
    <OuterVlanTagToStack>1</OuterVlanTagToStack>
    <InnerVlanTagToStack>1</InnerVlanTagToStack>
</ServiceOrderParameter>
<Reference>
    <Customer key="525406"/>
    <ServiceDefinition>
        <ServiceDefinitionID key="393589"/>
    </ServiceDefinition>
</Reference>

```

```

    </ServiceOrder>
  </ServiceResource>
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndDeployNow</Action>
  </CustomAction>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
  <Identity>
    <Type>ServiceOrder</Type>
    <Value>393639</Value>
  </Identity>
  <Job>
    <ID>196637</ID>
    <Status>INPROGRESS</Status>
  </Job>
  <Code>200</Code>
  <Message>Service Order Created Successfully and Deployment is in Progress.
Please check the status using the JOB ID.</Message>
  </Status>
</Data>

```

Deploy, Validate, and Partially-Delete an E-Line LDP Service Order

This request is used to deploy, validate, or partially delete a previously created E-Line LDP service order.

URI

<api/space/nsas/eline-ptp/service-management/service-orders/>

| | |
|--------------|---|
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml |
| Consumes | <p>application/vnd.net.juniper.space.service-management.service-order-status+xml</p> <p>The options must be specified in the Action Element inside OperationSpecificData. The various options are as follows:</p> <ul style="list-style-type: none">• DeployNow (Deploy an already created SO)• DeployLater (Deploy Later an already created SO)• ValidateNow (Validate now an already created SO)• ValidateLater (Validate later an already created SO)• PartialDeleteNow (Delete the partially created configuration now)• PartialDeleteLater (Delete the partially created configuration Later) |
| Produces | Deploys, validates or, partially-deletes a previously created E-Line LDP service order. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
    <Action>DeployNow</Action>
    <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
  </CustomAction>
</Data>
```

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<Status>
<Identity>
<Type>ServiceOrder</Type>
<Value>6553600</Value>
</Identity>
<Job>
<ID>1998905</ID>
<Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>The Service Order Deployment is in Progress. Please check the
status using the JOB ID.</Message>
</Status>
</Data>
```

Delete an E-Line LDP Service Order

This request is used to delete a previously configured E-Line LDP service order.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ntp/service-management/ service-orders/<serviceOrder-id> |
| HTTP Method | DELETE |
| Consumes | application/vnd.net.juniper.space.service-management. service-order+xml |
| Produces | Deletes an E-Line LDP service order. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<Status>
<Identity>
<Type>ServiceOrder</Type>
```

```
<Value>6553600</Value>
</Identity>
<Code>200</Code>
<Message>Service order Deleted Successfully.</Message>
</Status>
</Data>
```

View the Pending Configuration of an E-Line Service Order

This request is used to view the details of a E-Line service order that are pending to be applied to a device.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ptp/service-management/service-orders/view-pendingorderconfiguration/<serviceOrder-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.pendingorder-config+xml |
| Produces | Displays the configuration details of a service order pending to be applied to a device. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<PendingOrderConfiguration>
<PendingOrderConfigDeviceEnd>
<DeviceName>exora</DeviceName>
<Configuration><configuration><interfaces><interface><name>ge-
0/1/1</name><flexible-vlan-tagging/><mtu>1522</mtu><encapsulation>flexible-ethernet&
lt;/encapsulation><unit><name>24</name><encapsulation>vlan-ccc</encapsulation><vlan-idrange&
gt;24-34</vlan-idrange&
gt;</unit></interface></interfaces><protocols><l2circuit><neighbor><name>50.1.2.1</name
><interface><name>ge-0/1/1.24</name><virtual-circuit-id>2147467281</virtual-circuit-id><no-controlword/&
```

```

gt;<mtu>1522</mtu><revert-time>5</revert-time><backupneighbor&
gt;<name>30.1.2.7</name><virtual-circuit-id>2147467281</virtual-circuit-id><standby/></backupneighbor&
gt;</interface></neighbor></l2circuit></protocols></configuration>
</Configuration>
</PendingOrderConfigDeviceEnd>
<PendingOrderConfigDeviceEnd>
<DeviceName>junos-space1</DeviceName>
<Configuration><configuration><interfaces><interface><name>ge-
0/1/5</name><flexible-vlan-tagging/><mtu>1522</mtu><encapsulation>flexible-ethernet&
lt;/encapsulation><unit><name>24</name><encapsulation>vlan-ccc</encapsulation><vlan-idrange&
gt;24-34</vlan-idrange&
gt;</unit></interface></interfaces><protocols><l2circuit><neighbor><name>50.1.2.3</name
><interface><name>ge-0/1/5.24</name><virtual-circuit-id>2147467281</virtual-circuit-id><no-controlword/&
gt;<mtu>1522</mtu></interface></neighbor></l2circuit></protocols></configuration>
</Configuration>
</PendingOrderConfigDeviceEnd>
<PendingOrderConfigDeviceEnd>
<DeviceName>kochin</DeviceName>
<Configuration><configuration><interfaces><interface><name>ge-
0/0/4</name><flexible-vlan-tagging/><mtu>1522</mtu><encapsulation>flexible-ethernet&
lt;/encapsulation><unit><name>24</name><encapsulation>vlan-ccc</encapsulation><vlan-idrange&
gt;24-34</vlan-idrange&
gt;</unit></interface></interfaces><protocols><l2circuit><neighbor><name>50.1.2.3</name
><interface><name>ge-0/0/4.24</name><virtual-circuit-id>2147467281</virtual-circuit-id><no-controlword/&
gt;<mtu>1522</mtu></interface></neighbor></l2circuit></protocols></configuration>
</Configuration>
</PendingOrderConfigDeviceEnd>
</PendingOrderConfiguration>
</Data>

```

Create an E-Line LDP Service Order with Pseudowire Redundancy

This request is used to create an E-Line LDP service order configured with pseudowire redundancy.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/ service-orders/redundancy |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.service-order+xml |

| | |
|----------|---|
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml |
| Produces | Creates an E-Line LDP service order with pseudowire redundancy. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>PTP_LDP_REDUNDANCY_API</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junos-m10-1-space</DeviceName>
            <DeviceID>5341207</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/3/3</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
            <VlanId>5</VlanId>
            <MTU>1522</MTU>
            <Bandwidth unit="Mbps">10</Bandwidth>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
        <BackUpSettings>
          <Enable>true</Enable>
        </BackUpSettings>
        <DeviceInfo>
          <NA>
            <DeviceName>junos-mx480-space</DeviceName>
            <DeviceID>5341242</DeviceID>
          </NA>
        </DeviceInfo>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>
</Data>
```

```

</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge-5/0/3</InterfaceName>
<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
<EndPointCategory>PTP</EndPointCategory>
<MTU>1522</MTU>
<Bandwidth unit="Mbps">10</Bandwidth>
<RevertTime>55</RevertTime>
<SwitchOverDelay>11</SwitchOverDelay>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</BackUpSettings>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DeviceInfo>
<NA>
<DeviceName>junos-mx240-space</DeviceName>
<DeviceID>5341288</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge-0/2/7</InterfaceName>
<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
<EndPointCategory>PTP</EndPointCategory>
<VlanId>5</VlanId>
<MTU>1522</MTU>
<Bandwidth unit="Mbps">10</Bandwidth>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
<MTU>9191</MTU>
<VCID>2147467369</VCID>
</ServiceOrderParameter>
<Reference>
<Customer key="819263"
href="/api/space/nsas/customer-management/customers/819263"

```

```

uri="/api/space/nsas/customer-management/customers/819263" />
<ServiceDefinition>
<ServiceDefinitionID key="4882432"
href="/api/space/nsas/eline-ptp/service-management/servicedefinitions/
4882432"
uri="/api/space/nsas/eline-ptp/service-management/servicedefinitions/
4882432" />
</ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<Status>
<Identity>
<Type>ServiceOrder</Type>
<Value>9371658</Value>
</Identity>
<Job>
<ID>3047524</ID>
<Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
</Status>
</Data>

```

Create an E-Line LDP Service Order with Tag Protocol ID

This request is used to create an E-Line LDP service order configured with tag protocol ID.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ntp/service-management/ service-orders/{service-order-id} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |
| Produces | Creates an E-Line LDP service order with tag protocol ID. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name> TPID_P2P_LDP_SO </Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>exora</DeviceName>
            <DeviceID>5996551</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/1/1</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
            <OuterTPID>0x88a8</OuterTPID>
            <InnerTPID>0x9100</InnerTPID>
```

```

        <VlanId>1500</VlanId>
        <CustomerVlanIdStart>1500</CustomerVlanIdStart>
        <CustomerVlanIdEnd>1800</CustomerVlanIdEnd>
        <MTU>1522</MTU>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA>
            <DeviceName>jaipur</DeviceName>
            <DeviceID>5996561</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/1/0</InterfaceName>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
            <OuterTPID>0x88a8</OuterTPID>
            <InnerTPID>0x88a8</InnerTPID>
            <VlanId>1500</VlanId>
            <CustomerVlanIdStart>1500</CustomerVlanIdStart>
            <CustomerVlanIdEnd>1800</CustomerVlanIdEnd>
            <MTU>1522</MTU>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:type="PTPConfigParameterOrderType">
    <MTU>1522</MTU>
    <VCID>1250</VCID>
</ServiceOrderParameter>
<Reference>
    <Customer key="426088"/>
    <ServiceDefinition>
        <ServiceDefinitionID key="6095018"/>
    </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>

```

```
</Data>
```

Create an E-Line LDP TDM Service Order with Pseudowire Redundancy

This request is used to create an E-Line LDP TDM service order configured with pseudowire redundancy.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ntp/service-management/ service-orders/redundancy |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |
| Produces | Creates an E-Line LDP TDM service order with pseudowire redundancy. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>Test_p2p_ldp_TDM_redundancy_API</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junos-m10-1-space</DeviceName>
            <DeviceID>5341207</DeviceID>
          </NA>
        </DeviceInfo>
```

```

<ServiceEndPoint>
<InterfaceName>t1-0/2/0</InterfaceName>
<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
<EndPointCategory>PTP</EndPointCategory>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DeviceInfo>
<NA>
<DeviceName>junos-space1</DeviceName>
<DeviceID>4980738</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>t1-0/0/1</InterfaceName>
<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
<EndPointCategory>PTP</EndPointCategory>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
<BackUpSettings>
<Enable>true</Enable>
<DeviceInfo>
<NA>
<DeviceName>junos-mx240-space</DeviceName>
<DeviceID>5341288</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge-0/2/7</InterfaceName>
<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
<EndPointCategory>PTP</EndPointCategory>
<RevertTime>14</RevertTime>
<SwitchOverDelay>27</SwitchOverDelay>
</ServiceEndpointConfiguration>
</ServiceEndPoint>

```

```

</BackUpSettings>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:type="PTPTDMConfigParameterOrderType">
<VCID>2147407969</VCID>
</ServiceOrderParameter>
<Reference>
<Customer key="819263"
href="/api/space/nsas/customer-management/customers/819263"
uri="/api/space/nsas/customer-management/customers/819263" />
<ServiceDefinition>
<ServiceDefinitionID key="5210135"
href="/api/space/nsas/eline-ptp/service-management/servicedefinitions/
5210135"
uri="/api/space/nsas/eline-ptp/service-management/servicedefinitions/
5210135" />
</ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<Status>
<Identity>
<Type>ServiceOrder</Type>
<Value>9371758</Value>
</Identity>
<Job>
<ID>3047654</ID>
<Status>INPROGRESS</Status>
</Job>

```

```
<Code>200</Code>
<Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Create an E-Line LDP ATM Service Order with Pseudowire Redundancy

This request is used to create an E-Line LDP ATM service order configured with pseudowire redundancy.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/ service-orders/redundancy |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |
| Produces | Creates an E-Line LDP ATM service order with pseudowire redundancy. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/eline-ptp/service-management/service-orders/3539146"
      uri="/api/space/nsas/eline-ptp/service-management/service-orders/3539146"
      key="3539146">
    </ServiceOrder>
  </ServiceResource>
</Data>
```

```

<Name>ATM_Red1</Name>
</Common>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA>
      <DeviceName>junos-space2</DeviceName>
      <DeviceID>3441007</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>at-0/0/8</InterfaceName>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA>
      <DeviceName>junos-m10-1-space</DeviceName>
      <DeviceID>3441456</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>at-0/3/0:3:1</InterfaceName>
  </ServiceEndPoint>
  <BackUpSettings>
    <Enable>true</Enable>
  </DeviceInfo>
  API Reference Guide - NetworkAppsAPI release 12.3 Patch
  © Juniper Networks, Inc. 147
  <NA>
    <DeviceName>junos-m10-2-space</DeviceName>
    <DeviceID>3441481</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>at-0/3/1:1:1</InterfaceName>
  <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterOrderType">
    <RevertTime>25</RevertTime>
    <SwitchOverDelay>20</SwitchOverDelay>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>

```

```

</BackUpSettings>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMConfigParameterOrderType">
  <VPI>21</VPI>
  <VCI>21</VCI>
</ServiceOrderParameter>
<Reference>
  <Customer key="3441116"/>
  <ServiceDefinition>
    <ServiceDefinitionID key="3539127"/>
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>9371767</Value>
    </Identity>
    <Job>
      <ID>3047567</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
  </Status>
</Data>

```

Modify a Saved E-Line Service Order with LDP

This request is used to modify a saved E-Line LDP service order.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/ service-orders/<serviceOrderId> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml For the various options in creating ServiceOrder the options must be specified in the Action Element inside OperationSpecificData. The following values can be entered: <ul style="list-style-type: none"> • Save (Create and only Save a SO) • SaveAndValidate (Create, Save, and Validate a SO) Default value when no Custom action is specified. • SaveAndDeployNow (Create, Save, and Deploy a SO) • SaveAndDeployLater (Create, Save, and Deploy Later a SO) |
| Produces | Modifies a saved E-Line LDP service order. |

Input (Ethernet-LDP)

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>P2P_test_API</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/device-roles/pe-devices/589938"
```

```

uri="/api/space/nsas/device-roles/pe-devices/589938"
  key="589938">
    <DeviceName>exora</DeviceName>
    <DeviceID>589938</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-1/3/0</InterfaceName>
  <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
    <VlanId>15</VlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Mbps">30</Bandwidth>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/589832"
uri="/api/space/nsas/device-roles/pe-devices/589832"
  key="589832">
    <DeviceName>kochin</DeviceName>
    <DeviceID>589832</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-0/0/9</InterfaceName>
  <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
    <VlanId>17</VlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Mbps">20</Bandwidth>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:type="PTPConfigParameterOrderType">
  <MTU>1522</MTU>
  <VCID>2</VCID>

```

```

    </ServiceOrderParameter>
    <Reference>
      <Customer key="589990"
        href="/api/space/nsas/customer-management/customers/589990"
uri="/api/space/nsas/customer-management/customers/589990" />
      <ServiceDefinition>
        <ServiceDefinitionID key="393216"

href="/api/space/nsas/eline-ntp/service-management/service-definitions/393216"

uri="/api/space/nsas/eline-ntp/service-management/service-definitions/393216"
      />
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data><CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndDeployNow</Action>

<ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
</CustomAction>
</Data>

```

Output (Ethernet-LDP)

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>6553609</Value>
    </Identity>
    <Job>
      <ID>1998898</ID>
      <Status>INPROGRESS</Status>

```

```

    </Job>
    <Code>200</Code>
    <Message>Service Order Modified Successfully and Deployment is in
      Progress. Please check the status using the JOB ID.</Message>
  </Status>
</Data>

```

Input (ATM-LDP)

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>ATM_P2P_API</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/device-roles/pe-devices/589938"
uri="/api/space/nsas/device-roles/pe-devices/589938"
          key="589938">
            <DeviceName>exora</DeviceName>
            <DeviceID>589938</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>at-0/3/12</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="PTPATMEndPointConfigParameterOrderType">
            <UNIDescription>A-End</UNIDescription>
            <CellBundleSize>1</CellBundleSize>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceResource>
  </Data>

```

```

    <DeviceInfo>
      <NA href="/api/space/nsas/device-roles/pe-devices/589954"
uri="/api/space/nsas/device-roles/pe-devices/589954"
      key="589954">
        <DeviceName>junos-space1</DeviceName>
        <DeviceID>589954</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>at-0/0/16</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterOrderType">
        <UNIDescription>Z-End</UNIDescription>
        <CellBundleSize>1</CellBundleSize>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

    xsi:type="PTPATMConfigParameterOrderType">
      <VCID>4</VCID>
        <VPI>7</VPI>
        <VCI>9</VCI>
    </ServiceOrderParameter>
  <Reference>
    <Customer key="589990"
      href="/api/space/nsas/customer-management/customers/589990"
uri="/api/space/nsas/customer-management/customers/589990" />
    <ServiceDefinition>
      <ServiceDefinitionID key="393372"

href="/api/space/nsas/eline-ptp/service-management/service-definitions/393372"

uri="/api/space/nsas/eline-ptp/service-management/service-definitions/393372"
    />
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output (ATM-LDP)

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>6553609</Value>
    </Identity>
    <Job>
      <ID>1998898</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service Order Modified Successfully and Validation is in
      Progress. Please check the status using the JOB ID.</Message>
    </Status>
  </Data>
```

Input (TDM-LDP)

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/device-roles/pe-devices/589954"
            uri="/api/space/nsas/device-roles/pe-devices/589954"
```

```

        key="589954">
        <DeviceName>junos-space1</DeviceName>
        <DeviceID>589954</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>t1-0/0/12</InterfaceName>
    <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
        <PhysicalEncapsulation>SATOP</PhysicalEncapsulation>
        <JitterBuffer>5</JitterBuffer>
        <IdlePattern>255</IdlePattern>
        <ExcessPacketLossRate>20</ExcessPacketLossRate>
        <PayloadSize>192</PayloadSize>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA href="/api/space/nsas/device-roles/pe-devices/0"
uri="/api/space/nsas/device-roles/pe-devices/0"
        key="0">
        <DeviceName>UnmanagedDevice</DeviceName>
        <DeviceID>0</DeviceID>
    </NA>
</DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>1/2/3</InterfaceName>
        <LoopbackIP>30.1.2.7</LoopbackIP>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

    xsi:type="PTPTDMConfigParameterOrderType">
    <VCID>3</VCID>
</ServiceOrderParameter>
<Reference>
    <Customer key="589990"
        href="/api/space/nsas/customer-management/customers/589990"
uri="/api/space/nsas/customer-management/customers/589990" />
    <ServiceDefinition>

```

```

        <ServiceDefinitionID key="393340"

href="/api/space/nsas/eline-ptp/service-management/service-definitions/393340"

uri="/api/space/nsas/eline-ptp/service-management/service-definitions/393340"
    />
    </ServiceDefinition>
    </Reference>
    </ServiceOrder>
    </ServiceResource>
</Data>

```

Output (TDM-LDP)

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>6553609</Value>
    </Identity>
    <Job>
      <ID>1998898</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service Order Modified Successfully and Validation is in
      Progress. Please check the status using the JOB ID.</Message>
    </Status>
  </Data>

```

Modify a Saved E-Line Service Order (Version 2)

This request is used to modify a saved E-Line service order.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ntp/service-management/ service-orders/<serviceOrderId> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.service-order+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml;version=2 |
| Produces | Modifies a saved E-Line service order. |

Input

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource>
  <ServiceOrder>
    <Common>
      <Name>P2P_LDP_Modify_SO_MTUBased_API_Test01</Name>
      <Comments>P2P service order</Comments>
    </Common>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <NA>
          <DeviceName>embassy</DeviceName>
          <DeviceID>557096</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-1/1/3</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
          <EndPointCategory>PTP</EndPointCategory>
          <UnitId>56</UnitId>
        </ServiceEndpointConfiguration>
      </ServiceEndPoint>
    </ServiceEndPointGroup>
  </ServiceOrder>
</ServiceResource>
</Data>

```

```

        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA>
            <DeviceName>junos-mx240-space</DeviceName>
                                <DeviceID>557076</DeviceID>

        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ae2</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDP endPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
                                <UnitId>56</UnitId>

        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
            <OuterVlanTagToStack>12</OuterVlanTagToStack>
            <InnerVlanTagToStack>14</InnerVlanTagToStack>
            <BurstPeriod >56</BurstPeriod>

        </ServiceOrderParameter>
    <Reference>
        <Customer key="851968"/>
    <ServiceDefinition>
        <ServiceDefinitionID key="917590"/>
    </ServiceDefinition>
    </Reference>
</ServiceOrder>
</ServiceResource>
    <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
        <Action>SaveAndDeployNow</Action>
    </CustomAction>
</Data>

```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>1507439</Value>
    </Identity>
    <Job>
      <ID>622660</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service Order Modified Successfully and Deployment is in
      Progress. Please check the status using the JOB ID.</Message>
  </Status>
</Data>
```

Modify a Saved E-Line LDP Service Order with Ethernet Option as Asymmetric Tag Depth

This request is used to modify a saved E-Line LDP service order configured with flexible VLAN tagging (asymmetric tag depth) as the Ethernet option.

| | |
|--------------|--|
| URI | api/space/nsa/elinept/service-management/service-orders/<serviceOrderId> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml |
| Produces | Modifies a saved E-Line LDP service order configured with flexible VLAN tagging (asymmetric tag depth) as the Ethernet option. |

Input (Ethernet LDP)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>P2P_LDP_Asymmetric_ModifySO_API</Name>
        <Comments>sdfsf</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="524504" uri="/api/space/nsas/device-roles/pe-devices/524504"
href="/api/space/nsas/device-roles/pe-devices/524504">
            <DeviceName>embassy</DeviceName>
            <DeviceID>524504</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/1/2</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDP endPointConfigParameterOrderType">
            <PEDevLoopBackIP>50.1.2.4</PEDevLoopBackIP>
            <EndPointCategory>PTP</EndPointCategory>
            <TrafficType>QINQ Transport single vlan</TrafficType>
            <EthernetOption>qinq</EthernetOption>
            <UNIDescription>sdfsd</UNIDescription>
            <CustomerVlanId>1</CustomerVlanId>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceEndPointGroup>
    <DeviceInfo>
      <NA key="524452" uri="/api/space/nsas/device-roles/pe-devices/524452"
href="/api/space/nsas/device-roles/pe-devices/524452">
        <DeviceName>junos-mx80-1-space</DeviceName>
        <DeviceID>524452</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
```

```

    <InterfaceName>ge-1/2/8</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
    <PEDevLoopBackIP>30.1.2.5</PEDevLoopBackIP>
    <EndPointCategory>PTP</EndPointCategory>
    <TrafficType>QINQ Transport single vlan</TrafficType>
    <EthernetOption>qinq</EthernetOption>
    <UNIDescription>sdfdsfs</UNIDescription>
    <CustomerVlanId>1</CustomerVlanId>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
  <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
    <VlanNormalization>Normalize to Dot1q tag</VlanNormalization>
    <VlanTagToStack>1</VlanTagToStack>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="524615"/>
    <ServiceDefinition>
      <ServiceDefinitionID key="393587"/>
    </ServiceDefinition>
    <Service key="393576"/>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>6553609</Value>
    </Identity>
  </Status>
</Data>

```

```
</Identity>
<Job>
  <ID>1998898</ID>
  <Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>Service Order Modified Successfully and Deployment is in
  Progress. Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Modify a Saved E-Line LDP Service Order with Static Pseudowires

This request is used to modify a saved E-Line LDP service order configured with static pseudowires.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ntp/service-management/ service-orders/<serviceOrderId> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |
| Produces | Modifies a saved E-Line LDP service order with static pseudowires. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
```

```

<Common>
  <Name>P2P_LDP_E_SPW_ModifySO_API</Name>
  <Comments>fdgdfgdf</Comments>
</Common>
<ServiceType>Point-to-Point Pseudowire</ServiceType>
<Signaling>LDP</Signaling>
<Action>Provisioning</Action>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="524440" uri="/api/space/nsas/device-roles/pe-devices/524440"
href="/api/space/nsas/device-roles/pe-devices/524440">
      <DeviceName>embassy</DeviceName>
      <DeviceID>524440</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-1/0/7</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDP endPointConfigParameterOrderType">
      <EndPointCategory>PTP</EndPointCategory>
      <UNIDescription>hgfh</UNIDescription>
      <CustomerVlanId>1</CustomerVlanId>
      <OutgoingLabel>1000000</OutgoingLabel>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="524296" uri="/api/space/nsas/device-roles/pe-devices/524296"
href="/api/space/nsas/device-roles/pe-devices/524296">
      <DeviceName>junos-mx240-space</DeviceName>
      <DeviceID>524296</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>em0</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDP endPointConfigParameterOrderType">
      <EndPointCategory>PTP</EndPointCategory>
      <UNIDescription>rtyrtutyu</UNIDescription>

```

```

        <CustomerVlanId>1</CustomerVlanId>
        <OutgoingLabel>1000000</OutgoingLabel>
    </ServiceEndPointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
    <VlanNormalization>Normalize to QinQ tags</VlanNormalization>
    <OuterVlanTagToStack>1</OuterVlanTagToStack>
    <InnerVlanTagToStack>1</InnerVlanTagToStack>
</ServiceOrderParameter>
<Reference>
    <Customer key="525406"/>
    <ServiceDefinition>
        <ServiceDefinitionID key="393589"/>
    </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndDeployNow</Action>
</CustomAction>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
    <Data xmlns="services.schema.networkapi.jmp.juniper.net">
        <Status>
        <Identity>
            <Type>ServiceOrder</Type>
            <Value>393666</Value>
        </Identity>
        <Job>
            <ID>196644</ID>

```

```
<Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>The Service Order Modified Successfully and Deployment is in
Progress. Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Modify a Saved E-Line LDP Service Order with Multisegment Pseudowires

This request is used to modify a saved E-Line LDP service order configured with multisegment pseudowires.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/ service-orders/<serviceOrderId> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |
| Produces | Modifies a saved E-Line LDP service order with multisegment pseudowires. |

Input (Ethernet LDP)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>P2P_LDP_Multiseg_SO_API_Test</Name>
        <Comments>dsfdsf</Comments>
      </Common>
    </ServiceOrder>
  </ServiceResource>
</Data>
```

```

    <ServiceType>Point-to-Point Pseudowire</ServiceType>
    <Signaling>LDP</Signaling>
    <Action>Provisioning</Action>
    <ServiceEndPointGroup>
    <DeviceInfo>
    <NA key="524351" uri="/api/space/nsas/device-roles/pe-devices/524351"
href="/api/space/nsas/device-roles/pe-devices/524351">
    <DeviceName>embassy</DeviceName>
    <DeviceID>524351</DeviceID>
    </NA>
    </DeviceInfo>
    <ServiceEndPoint>
    <InterfaceName>ge-1/1/4</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDP endPointConfigParameterOrderType">
    <PEDevLoopBackIP>50.1.2.4</PEDevLoopBackIP>
    <EndPointCategory>PTP</EndPointCategory>
    <UNIDescription>safsd fsdf</UNIDescription>
    </ServiceEndpointConfiguration>
    </ServiceEndPoint>
    </ServiceEndPointGroup>
    <ServiceEndPointGroup>
    <DeviceInfo>
    <NA key="525406" uri="/api/space/nsas/device-roles/pe-devices/525406"
href="/api/space/nsas/device-roles/pe-devices/525406">
    <DeviceName>junos-space3</DeviceName>
    <DeviceID>525406</DeviceID>
    </NA>
    </DeviceInfo>
    <ServiceEndPoint>
    <InterfaceName>iw0</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDP endPointConfigParameterOrderType">
    <PEDevLoopBackIP>30.1.2.9</PEDevLoopBackIP>
    <EndPointCategory>PTP</EndPointCategory>
    <StitchingUnit>200</StitchingUnit>
    <UNIDescription>sdfdsf</UNIDescription>
    </ServiceEndpointConfiguration>
    </ServiceEndPoint>
    </ServiceEndPointGroup>

```

```

        <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
    <VlanNormalization>Normalization not required</VlanNormalization>
</ServiceOrderParameter>
<Reference>
<Customer key="525426"/>
<ServiceDefinition>
<ServiceDefinitionID key="393544"/>
</ServiceDefinition>
<Service key="393574"/>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
    <Data xmlns="services.schema.networkapi.jmp.juniper.net">
        <Status>
            <Identity>
                <Type>ServiceOrder</Type>
                <Value>884775</Value>
            </Identity>
            <Job>
                <ID>294932</ID>
                <Status>INPROGRESS</Status>
            </Job>
            <Code>200</Code>
            <Message>The Service Order Modified Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
        </Status>
    </Data>

```

Modify a Saved E-Line LDP Service Order with MC-LAG Interfaces

This request is used to modify a saved E-Line LDP service order configured with MC-LAG interfaces.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/ service-orders/<serviceOrderId> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |
| Produces | Modifies a saved E-Line LDP service order with MC-LAG interfaces. |

Input (Ethernet LDP)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>MC_LAG_Modify_API_002</Name>
        <Comments>rtert</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junos-mx240-space</DeviceName>
            <DeviceID>524419</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/7</InterfaceName>
          <ServiceEndpointConfiguration
```

```

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
  <PEDevLoopBackIP>30.1.2.1</PEDevLoopBackIP>
  <EndPointCategory>PTP</EndPointCategory>
  <UNIDescription>gfhgfhg</UNIDescription>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
  <BackUpSettings>
    <Enable>true</Enable>
    <DeviceInfo>
      <NA>
        <DeviceName>junos-space5</DeviceName>
        <DeviceID>525453</DeviceID>
      </NA>
    </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/7</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
      </ServiceEndpointConfiguration>
      <Description>gfhgfhg</Description>
    </ServiceEndPoint>
  </BackUpSettings>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA>
      <DeviceName>junos-mx80-1-space</DeviceName>
      <DeviceID>524367</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-1/0/9</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
      <PEDevLoopBackIP>30.1.2.5</PEDevLoopBackIP>
      <EndPointCategory>PTP</EndPointCategory>
      <UNIDescription>rthyrthy</UNIDescription>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>

```

```

    <BackUpSettings>
      <Enable>true</Enable>
      <DeviceInfo>
        <NA>
          <DeviceName>junos-space3</DeviceName>
          <DeviceID>525483</DeviceID>
        </NA>
      </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ae2</InterfaceName>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
        </ServiceEndpointConfiguration>
        <Description>rthyrthy</Description>
      </ServiceEndPoint>
    </BackUpSettings>
  </ServiceEndPointGroup>
  <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
    <VlanNormalization>Normalization not required</VlanNormalization>
    <EnableMCLAG>true</EnableMCLAG>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="525504"/>
    <ServiceDefinition>
      <ServiceDefinitionID key="394022"/>
    </ServiceDefinition>
    <Service key="819243"/>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
      <Identity>
        <Type>ServiceOrder</Type>
        <Value>819399</Value>
      </Identity>
      <Job>
        <ID>327782</ID>
        <Status>INPROGRESS</Status>
      </Job>
      <Code>200</Code>
      <Message>The Service Order Modified Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
    </Status>
  </Data>
```

Get E-Line LDP ATM Service Order Details with MC-APS

This request is used to retrieve the details of a particular Layer 2 Ethernet Private Line (EPL, also called E-Line) LDP service order with multichassis automatic protection switching based on the service order ID.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ptp/service-management/ service-orders/<serviceOrder-Id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-order+xml;version=2 |
| Produces | Collects the details of a specific E-Line LDP ATM service order with MC-APS. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder key="2064572"
uri="/api/space/nsas/eline-ptp/service-management/service-orders/2064572"
href="/api/space/nsas/eline-ptp/service-management/service-orders/2064572">
      <Common>
        <Name>ATM_LDP_MCAPS_Modify_SO_API_03</Name>
        <Identity>2064572</Identity>
        <State>Validated</State>
        <Comments>rtyrty</Comments>
        <CreatedDate>2014-12-12T17:27:29.000+05:30</CreatedDate>
        <LastUpdatedDate>2014-12-12T17:27:28.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="558223" uri="/api/space/nsas/device-roles/pe-devices/558223"
href="/api/space/nsas/device-roles/pe-devices/558223">
            <DeviceName>fortius-f2100-a</DeviceName>
            <DeviceID>558223</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>at-0/0/10</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
            <PhysicalEncapsulation>atm-ccc-cell-relay</PhysicalEncapsulation>
            <UNIDescription>erterter</UNIDescription>
            <VPI>30</VPI>
            <VCI>34</VCI>
            <CellBundleSize>1</CellBundleSize>
          </ServiceEndpointConfiguration>
          <ServiceTemplates/>
        </ServiceEndPoint>
        <BackUpSettings>
          <Enable>true</Enable>

```

```

    <DeviceInfo>
      <NA key="558152" uri="/api/space/nsas/device-roles/pe-devices/558152"
href="/api/space/nsas/device-roles/pe-devices/558152">
        <DeviceName>fortius-f2100-b</DeviceName>
        <DeviceID>558152</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>at-0/0/8</InterfaceName>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterOrderType">
        <RevertTime>5</RevertTime>
        <SwitchOverDelay>0</SwitchOverDelay>
      </ServiceEndpointConfiguration>
      <Description>erterter</Description>
    </ServiceEndPoint>
  </BackUpSettings>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="558170" uri="/api/space/nsas/device-roles/pe-devices/558170"
href="/api/space/nsas/device-roles/pe-devices/558170">
      <DeviceName>junos-spacel</DeviceName>
      <DeviceID>558170</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>at-0/0/16</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterOrderType">
      <EndPointCategory>PTP</EndPointCategory>
      <PhysicalEncapsulation>atm-ccc-cell-relay</PhysicalEncapsulation>
      <UNIDescription>7657</UNIDescription>
      <VPI>30</VPI>
      <VCI>34</VCI>
      <CellBundleSize>1</CellBundleSize>
    </ServiceEndpointConfiguration>
    <ServiceTemplates/>
  </ServiceEndPoint>
<BackUpSettings>

```

```

    <Enable>true</Enable>
    <DeviceInfo>
      <NA key="558189" uri="/api/space/nsas/device-roles/pe-devices/558189"
href="/api/space/nsas/device-roles/pe-devices/558189">
        <DeviceName>junos-space3</DeviceName>
        <DeviceID>558189</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>at-0/0/16</InterfaceName>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterOrderType">
        <RevertTime>5</RevertTime>
        <SwitchOverDelay>0</SwitchOverDelay>
      </ServiceEndpointConfiguration>
      <Description>7657</Description>
    </ServiceEndPoint>
  </BackUpSettings>
</ServiceEndPointGroup>
  <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMConfigParameterOrderType">
    <VCID>2147467365</VCID>
    <VlanNormalization>Swap</VlanNormalization>
    <EnableMCAPS>true</EnableMCAPS>
  </ServiceOrderParameter>
  <Reference>
    <Customer uri="/api/space/nsas/customer-management/customers/558251"
href="/api/space/nsas/customer-management/customers/558251" key="558251"/>
    <ServiceDefinition>
      <ServiceDefinitionID
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/2064384"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/2064384"
key="2064384"/>
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Create an E-Line LDP ATM Service Order with MC-APS

This request is used to create an E-Line LDP ATM service order for MC-APS.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ntp/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml;version=2 |
| Produces | Creates an E-Line LDP ATM service order for MC-APS. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>ATM_LDP_MCAPS_SO_API</Name>
        <Comments>rtyrty</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="558223" uri="/api/space/nsas/device-roles/pe-devices/558223"
href="/api/space/nsas/device-roles/pe-devices/558223">
            <DeviceName>fortius-f2100-a</DeviceName>
            <DeviceID>558223</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>at-0/0/10</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
```

```

xsi:type="PTPATMEndPointConfigParameterOrderType">
    <EndPointCategory>PTP</EndPointCategory>
    <UNIDescription>erterter</UNIDescription>
</ServiceEndPointConfiguration>
</ServiceEndPoint>
<BackUpSettings>
    <Enable>true</Enable>
    <DeviceInfo>
        <NA key="558152" uri="/api/space/nsas/device-roles/pe-devices/558152"
href="/api/space/nsas/device-roles/pe-devices/558152">
            <DeviceName>fortius-f2100-b</DeviceName>
            <DeviceID>558152</DeviceID>
        </NA>
    </DeviceInfo>
</ServiceEndPoint>
    <InterfaceName>at-0/0/8</InterfaceName>
    <ServiceEndPointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterOrderType">
        </ServiceEndPointConfiguration>
        <Description>erterter</Description>
    </ServiceEndPoint>
</BackUpSettings>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA key="558170" uri="/api/space/nsas/device-roles/pe-devices/558170"
href="/api/space/nsas/device-roles/pe-devices/558170">
            <DeviceName>junos-space1</DeviceName>
            <DeviceID>558170</DeviceID>
        </NA>
    </DeviceInfo>
</ServiceEndPoint>
    <InterfaceName>at-0/0/16</InterfaceName>
    <ServiceEndPointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterOrderType">
        <EndPointCategory>PTP</EndPointCategory>
        <UNIDescription>7657</UNIDescription>
    </ServiceEndPointConfiguration>
</ServiceEndPoint>
<BackUpSettings>

```

```

    <Enable>true</Enable>
    <DeviceInfo>
      <NA key="558189" uri="/api/space/nsas/device-roles/pe-devices/558189"
href="/api/space/nsas/device-roles/pe-devices/558189">
        <DeviceName>junos-space3</DeviceName>
        <DeviceID>558189</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>at-0/0/16</InterfaceName>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterOrderType">
        </ServiceEndpointConfiguration>
        <Description>7657</Description>
      </ServiceEndPoint>
    </BackUpSettings>
  </ServiceEndPointGroup>
  <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMConfigParameterOrderType">
    <VPI>30</VPI>
    <VCI>34</VCI>
    <VlanNormalization>Swap</VlanNormalization>
    <EnableMCAPS>true</EnableMCAPS>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="558251"/>
    <ServiceDefinition>
      <ServiceDefinitionID key="2064384"/>
    </ServiceDefinition>
    <Service key="2064425"/>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>2064470</Value>
    </Identity>
    <Job>
      <ID>524514</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
  </Status>
</Data>
```

Modify an E-Line LDP ATM Service Order with MC-APS

This request is used to modify a saved E-Line LDP ATM service order configured with MC-APS.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/ service-orders/<serviceOrderId> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.service-order+xml; version=2; charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml; version=2 |
| Produces | Modifies a saved E-Line LDP ATM service order with MC-APS. |

Input

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>ATM_LDP_MCAPS_Modify_SO_API</Name>
        <Comments>rtyrty</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="558223" uri="/api/space/nsas/device-roles/pe-devices/558223"
href="/api/space/nsas/device-roles/pe-devices/558223">
            <DeviceName>fortius-f2100-a</DeviceName>
            <DeviceID>558223</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>at-0/0/10</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
            <UNIDescription>erterter</UNIDescription>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
        <BackUpSettings>
          <Enable>true</Enable>
        </BackUpSettings>
        <DeviceInfo>
          <NA key="558152" uri="/api/space/nsas/device-roles/pe-devices/558152"
href="/api/space/nsas/device-roles/pe-devices/558152">
            <DeviceName>fortius-f2100-b</DeviceName>
            <DeviceID>558152</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>at-0/0/8</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterOrderType">
            </ServiceEndpointConfiguration>

```

```

        <Description>erterter</Description>
    </ServiceEndPoint>
</BackUpSettings>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA key="558170" uri="/api/space/nsas/device-roles/pe-devices/558170"
href="/api/space/nsas/device-roles/pe-devices/558170">
            <DeviceName>junos-spacel</DeviceName>
            <DeviceID>558170</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>at-0/0/16</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
            <UNIDescription>7657</UNIDescription>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
<BackUpSettings>
    <Enable>true</Enable>
    <DeviceInfo>
        <NA key="558189" uri="/api/space/nsas/device-roles/pe-devices/558189"
href="/api/space/nsas/device-roles/pe-devices/558189">
            <DeviceName>junos-space3</DeviceName>
            <DeviceID>558189</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>at-0/0/16</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterOrderType">
            </ServiceEndpointConfiguration>
            <Description>7657</Description>
        </ServiceEndPoint>
    </BackUpSettings>
</ServiceEndPointGroup>
    <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMConfigParameterOrderType">

```

```

    <VPI>30</VPI>
    <VCI>34</VCI>
    <VlanNormalization>Swap</VlanNormalization>
    <EnableMCAPS>true</EnableMCAPS>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="558251" />
    <ServiceDefinition>
      <ServiceDefinitionID key="2064384" />
    </ServiceDefinition>
    <Service key="2064425" />
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>2064487</Value>
    </Identity>
    <Job>
      <ID>524515</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Order Modified Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
  </Status>
</Data>

```

Get E-Line LDP TDM Service Order Details with MC-APS

This request is used to retrieve the details of a particular Layer 2 Ethernet Private Line (EPL, also called E-Line) LDP service order with multichassis automatic protection switching based on the service order ID.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ptp/service-management/service-orders/<serviceOrder-Id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml;version=2 |
| Produces | Collects the details of a specific E-Line LDP TDM service order with MC-APS. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder key="393568"
uri="/api/space/nsas/eline-ptp/service-management/service-orders/393568"
href="/api/space/nsas/eline-ptp/service-management/service-orders/393568">
      <Common>
        <Name>P2P_LDP_TDM_SO</Name>
        <Identity>393568</Identity>
        <State>Validated</State>
        <Comments>dfsdf</Comments>
        <CreatedDate>2014-12-17T13:07:04.000+05:30</CreatedDate>
        <LastUpdatedDate>2014-12-17T13:07:03.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="558264" uri="/api/space/nsas/device-roles/pe-devices/558264"
href="/api/space/nsas/device-roles/pe-devices/558264">
            <DeviceName>junos-space3</DeviceName>
```

```

        <DeviceID>558264</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>t1-0/0/1</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
        <EndPointCategory>PTP</EndPointCategory>
        <TrafficType>Transport using port</TrafficType>
        <PhysicalEncapsulation>satop</PhysicalEncapsulation>
        <UNIDescription>dfgdgfd</UNIDescription>
        <JitterBuffer>5</JitterBuffer>
        <IdlePattern>255</IdlePattern>
        <ExcessPacketLossRate>20</ExcessPacketLossRate>
        <PayloadSize>192</PayloadSize>
    </ServiceEndpointConfiguration>
    <ServiceTemplates/>
</ServiceEndPoint>
<BackUpSettings>
    <Enable>true</Enable>
    <DeviceInfo>
        <NA key="558264" uri="/api/space/nsas/device-roles/pe-devices/558264"
href="/api/space/nsas/device-roles/pe-devices/558264">
            <DeviceName>junos-space3</DeviceName>
            <DeviceID>558264</DeviceID>
        </NA>
    </DeviceInfo>
</ServiceEndPoint>
    <InterfaceName>t1-0/0/0</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
        <RevertTime>5</RevertTime>
        <SwitchOverDelay>0</SwitchOverDelay>
    </ServiceEndpointConfiguration>
    <Description>dfgdgfd</Description>
</ServiceEndPoint>
</BackUpSettings>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>

```

```

        <NA key="558202" uri="/api/space/nsas/device-roles/pe-devices/558202"
href="/api/space/nsas/device-roles/pe-devices/558202">
        <DeviceName>fortius-f2100-b</DeviceName>
        <DeviceID>558202</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>t1-0/0/7</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
            <TrafficType>Transport using port</TrafficType>
            <PhysicalEncapsulation>satop</PhysicalEncapsulation>
            <UNIDescription>adsafds</UNIDescription>
            <JitterBuffer>5</JitterBuffer>
            <IdlePattern>255</IdlePattern>
            <ExcessPacketLossRate>20</ExcessPacketLossRate>
            <PayloadSize>192</PayloadSize>
        </ServiceEndpointConfiguration>
        <ServiceTemplates/>
    </ServiceEndPoint>
</ServiceEndPointGroup>
    <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMConfigParameterOrderType">
        <VCID>2147467285</VCID>
        <EnableMCAPS>true</EnableMCAPS>
    </ServiceOrderParameter>
    <Reference>
        <Customer uri="/api/space/nsas/customer-management/customers/558292"
href="/api/space/nsas/customer-management/customers/558292" key="558292"/>
        <ServiceDefinition>
            <ServiceDefinitionID
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/393544"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/393544"
key="393544"/>
            </ServiceDefinition>
        </Reference>
    </ServiceOrder>
</ServiceResource>
</Data>

```

Create an E-Line LDP TDM Service Order with MC-APS

This request is used to create an E-Line LDP TDM service order for MC-APS.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ntp/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml;version=2 |
| Produces | Creates an E-Line LDP TDM service order for MC-APS. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>P2P_LDP_TDM_SO_API</Name>
        <Comments>dfsdf</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="558264" uri="/api/space/nsas/device-roles/pe-devices/558264"
href="/api/space/nsas/device-roles/pe-devices/558264">
            <DeviceName>junos-space3</DeviceName>
            <DeviceID>558264</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>t1-0/0/1</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
```

```

xsi:type="PTPTDMEndPointConfigParameterOrderType">
    <EndPointCategory>PTP</EndPointCategory>
    <UNIDescription>dfgdgfd</UNIDescription>
</ServiceEndPointConfiguration>
</ServiceEndPoint>
<BackUpSettings>
    <Enable>true</Enable>
    <DeviceInfo>
        <NA key="558264" uri="/api/space/nsas/device-roles/pe-devices/558264"
href="/api/space/nsas/device-roles/pe-devices/558264">
            <DeviceName>junos-space3</DeviceName>
            <DeviceID>558264</DeviceID>
        </NA>
    </DeviceInfo>
</ServiceEndPoint>
    <InterfaceName>t1-0/0/0</InterfaceName>
    <ServiceEndPointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
        </ServiceEndPointConfiguration>
        <Description>dfgdgfd</Description>
    </ServiceEndPoint>
</BackUpSettings>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA key="558202" uri="/api/space/nsas/device-roles/pe-devices/558202"
href="/api/space/nsas/device-roles/pe-devices/558202">
            <DeviceName>fortius-f2100-b</DeviceName>
            <DeviceID>558202</DeviceID>
        </NA>
    </DeviceInfo>
</ServiceEndPoint>
    <InterfaceName>t1-0/0/7</InterfaceName>
    <ServiceEndPointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
        <EndPointCategory>PTP</EndPointCategory>
        <UNIDescription>adsafds</UNIDescription>
    </ServiceEndPointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>

```

```

    <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMConfigParameterOrderType">
    <EnableMCAPS>true</EnableMCAPS>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="558292" />
    <ServiceDefinition>
      <ServiceDefinitionID key="393544" />
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>2064470</Value>
    </Identity>
    <Job>
      <ID>524514</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
  </Status>
</Data>

```

Modify an E-Line LDP TDM Service Order with MC-APS

This request is used to modify a saved E-Line LDP TDM service order configured with MC-APS.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/ service-orders/<serviceOrderId> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.modify-service-order+xml; version=2; charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml; version=2 |
| Produces | Modifies a saved E-Line LDP TDM service order with MC-APS. |

Input

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>P2P_LDP_TDM_ModifySO_API</Name>
        <Comments>dfsdf</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="558264" uri="/api/space/nsas/device-roles/pe-devices/558264"
href="/api/space/nsas/device-roles/pe-devices/558264">
            <DeviceName>junos-space3</DeviceName>
            <DeviceID>558264</DeviceID>
          </NA>
        </DeviceInfo>
      <ServiceEndPoint>

```

```

        <InterfaceName>t1-0/0/1</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
            <UNIDescription>dfgdgfd</UNIDescription>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
    <BackUpSettings>
        <Enable>true</Enable>
        <DeviceInfo>
            <NA key="558264" uri="/api/space/nsas/device-roles/pe-devices/558264"
href="/api/space/nsas/device-roles/pe-devices/558264">
                <DeviceName>junos-space3</DeviceName>
                <DeviceID>558264</DeviceID>
            </NA>
        </DeviceInfo>
    </ServiceEndPoint>
    <ServiceEndPoint>
        <InterfaceName>t1-0/0/0</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
            </ServiceEndpointConfiguration>
            <Description>dfgdgfd</Description>
        </ServiceEndPoint>
    </BackUpSettings>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA key="558202" uri="/api/space/nsas/device-roles/pe-devices/558202"
href="/api/space/nsas/device-roles/pe-devices/558202">
            <DeviceName>fortius-f2100-b</DeviceName>
            <DeviceID>558202</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>t1-0/0/7</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
            <UNIDescription>adsafds</UNIDescription>

```

```

        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMConfigParameterOrderType">
    <EnableMCAPS>false</EnableMCAPS>
</ServiceOrderParameter>
<Reference>
    <Customer key="558292" />
    <ServiceDefinition>
        <ServiceDefinitionID key="393544" />
    </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
        <Identity>
            <Type>ServiceOrder</Type>
            <Value>2064487</Value>
        </Identity>
        <Job>
            <ID>524515</ID>
            <Status>INPROGRESS</Status>
        </Job>
        <Code>200</Code>
        <Message>The Service Order Modified Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
    </Status>
</Data>

```

Get an E-Line LDP Service Order with Default Service Template By Order ID

This request is used to retrieve the details of a particular Layer 2 Ethernet Private Line (EPL, also called E-Line) LDP service order with default service template, based on the service order ID.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ptp/service-management/service-orders/<serviceorder-Id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Collects the details of a specific E-Line LDP service order with default service template. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder key="458865"
uri="/api/space/nsas/eline-ptp/service-management/service-orders/458865"
href="/api/space/nsas/eline-ptp/service-management/service-orders/458865">
      <Common>
        <Name>Test_BGPSO_1DefTemp_API</Name>
        <Identity>458865</Identity>
        <State>Validated</State>
        <CreatedDate>2015-02-12T19:21:54.000+05:30</CreatedDate>
        <LastUpdatedDate>2015-02-12T19:21:54.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>BGP</ServiceType>
      <Signaling>BGP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="524393" uri="/api/space/nsas/device-roles/pe-devices/524393"
href="/api/space/nsas/device-roles/pe-devices/524393">
            <DeviceName>junos-spacel</DeviceName>
            <DeviceID>524393</DeviceID>
```

```

        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/1/7</InterfaceName>
        <ServiceTemplates>
            <ServiceTemplate
href="/api/space/nsas/eline-ptp/service-management/service-templates/66311"
uri="/api/space/nsas/eline-ptp/service-management/service-templates/66311"
key="66311">
                <ID>66311</ID>
            </ServiceTemplate>
            <ServiceTemplate
href="/api/space/nsas/eline-ptp/service-management/service-templates/66317"
uri="/api/space/nsas/eline-ptp/service-management/service-templates/66317"
key="66317">
                <ID>66317</ID>
                <ConfigParams>
                    <Name>Name</Name>
                    <Value>testname</Value>
                    <Decommission>>false</Decommission>
                    <SvcSpecificValue>>false</SvcSpecificValue>
                    <ConfigPageName>cpl</ConfigPageName>
                </ConfigParams>
            </ServiceTemplate>
        </ServiceTemplates>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA key="524357" uri="/api/space/nsas/device-roles/pe-devices/524357"
href="/api/space/nsas/device-roles/pe-devices/524357">
            <DeviceName>junos-space2</DeviceName>
            <DeviceID>524357</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/1/6</InterfaceName>
        <ServiceTemplates>
            <ServiceTemplate
href="/api/space/nsas/eline-ptp/service-management/service-templates/66311"
uri="/api/space/nsas/eline-ptp/service-management/service-templates/66311"
key="66311">

```

```

        <ID>66311</ID>
      </ServiceTemplate>
      <ServiceTemplate
href="/api/space/nsas/eline-ntp/service-management/service-templates/66317"
uri="/api/space/nsas/eline-ntp/service-management/service-templates/66317"
key="66317">
        <ID>66317</ID>
        <ConfigParams>
          <Name>Name</Name>
          <Value>testname</Value>
          <Decommission>>false</Decommission>
          <SvcSpecificValue>>false</SvcSpecificValue>
          <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
      </ServiceTemplate>
    </ServiceTemplates>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<Reference>
  <Customer uri="/api/space/nsas/customer-management/customers/524288"
href="/api/space/nsas/customer-management/customers/524288" key="524288"/>
  <ServiceDefinition>
    <ServiceDefinitionID
uri="/api/space/nsas/eline-ntp/service-management/service-definitions/458825"
href="/api/space/nsas/eline-ntp/service-management/service-definitions/458825"
key="458825"/>
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Create an E-Line LDP Service Order with Default Service Template

This request is used to create an E-Line LDP service order configured with default service template.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ntp/service-management/service-orders/ |
| HTTP Method | POST |

| | |
|--------------|--|
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml;version=2 |
| Produces | Creates an E-Line LDP service order configured with default service template. |

Input

Sample XML Input

```

    <Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>P2P_SO</Name>
        <Comments>P2P service order</Comments>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>embassy</DeviceName>
            <DeviceID>327752</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/0/1</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
            <VlanId>760</VlanId>
            <MTU>1522</MTU>
            <Bandwidth unit="Mbps">10</Bandwidth>
          </ServiceEndpointConfiguration>
          <ServiceTemplates>
            <ServiceTemplate>
              <ID>66317</ID>
              <ConfigParams>
                <Name>Name</Name>

```

```

        <Value>testname</Value>
        <Decommission>>false</Decommission>
        <SvcSpecificValue>>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
</ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA>
            <DeviceName>exora</DeviceName>
            <DeviceID>327689</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/1/2</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDP endPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
            <VlanId>760</VlanId>
            <MTU>1522</MTU>
            <Bandwidth unit="Mbps">10</Bandwidth>
        </ServiceEndpointConfiguration>
    </ServiceTemplates>
    <ServiceTemplate>
        <ID>66317</ID>
        <ConfigParams>
            <Name>Name</Name>
            <Value>testname</Value>
            <Decommission>>false</Decommission>
            <SvcSpecificValue>>false</SvcSpecificValue>
            <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
    </ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">

```

```

    <MTU>1577</MTU>
    <VCID>760</VCID>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="327680"/>
    <ServiceDefinition>
      <ServiceDefinitionID key="262144"/>
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
  <Action>SaveAndDeployNow</Action>
  <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
</CustomAction>
</Data>

```

Output

Sample XML Output

```

  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
<Status>
  <Identity>
    <Type>ServiceOrder</Type>
    <Value>6553609</Value>
  </Identity>
  <Job>
    <ID>1998898</ID>
    <Status>INPROGRESS</Status>
  </Job>
  <Code>200</Code>
  <Message>Service Order Created Successfully and Deployment is in Progress.
Please check the status using the JOB ID.</Message>
</Status>
</Data>

```

Modify an E-Line LDP Service Order with Default Service Template

This request is used to modify an E-Line LDP service order configured with default service template.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.modify-service-order+xml; version=2; charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml; version=2 |
| Produces | Modifies an E-Line LDP service order configured with default service template. |

The XPath tag in a service template attribute is optional and we recommend that you use this tag.

Input

Sample XML Input

```

    <Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>P2P_ModifySO</Name>
        <Comments>P2P service order</Comments>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>embassy</DeviceName>
            <DeviceID>327752</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/0/1</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

```

```

xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
    <EndPointCategory>PTP</EndPointCategory>
    <VlanId>760</VlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Mbps">10</Bandwidth>
</ServiceEndpointConfiguration>
<ServiceTemplates>
    <ServiceTemplate>
        <ID>66317</ID>
        <ConfigParams>
            <Name>Name</Name>
            <Value>testname123</Value>
            <Decommission>>false</Decommission>
            <SvcSpecificValue>>false</SvcSpecificValue>
            <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
    </ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA>
            <DeviceName>exora</DeviceName>
            <DeviceID>327689</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/1/2</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
            <VlanId>760</VlanId>
            <MTU>1522</MTU>
            <Bandwidth unit="Mbps">10</Bandwidth>
        </ServiceEndpointConfiguration>
        <ServiceTemplates>
            <ServiceTemplate>
                <ID>66317</ID>
                <ConfigParams>
                    <Name>Name</Name>

```

```

        <Value>testname123</Value>
        <Decommission>>false</Decommission>
        <SvcSpecificValue>>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
</ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
    <MTU>1577</MTU>
    <VCID>760</VCID>
</ServiceOrderParameter>
<Reference>
    <Customer key="327680" />
    <ServiceDefinition>
        <ServiceDefinitionID key="262144" />
    </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndDeployNow</Action>
    <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
</CustomAction>
</Data>

```

Sample XML Input (With XPath)

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource>
<ServiceOrder>
<Common>
    <Name>P2P_ModifySO</Name>
    <Comments>P2P service order</Comments>
</Common>
<ServiceEndPointGroup>
    <DeviceInfo>

```

```

    <NA>
    <DeviceName>embassy</DeviceName>
    <DeviceID>327752</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-1/0/1</InterfaceName>
  <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDP endPointConfigParameterOrderType">
    <EndPointCategory>PTP</EndPointCategory>
    <VlanId>760</VlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Mbps">10</Bandwidth>
  </ServiceEndpointConfiguration>
  <ServiceTemplates>
    <ServiceTemplate>
      <ID>66317</ID>
      <ConfigParams>
        <Name>Name</Name>
        <Value>testname123</Value>
        <Decommission>>false</Decommission>
        <SvcSpecificValue>>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
      </ConfigParams>
    </ServiceTemplate>
    <ServiceTemplate>
      <ID>6357015</ID>
      <ConfigParams>
        <Name>Description</Name>
        <Value>DemoDescription</Value>
        <Xpath>/configuration/cpl/interface/description</Xpath>
        <Decommission>>false</Decommission>
        <SvcSpecificValue>>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
      </ConfigParams>
    </ServiceTemplate>
  </ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>

```

```

    <NA>
    <DeviceName>exora</DeviceName>
    <DeviceID>327689</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-0/1/2</InterfaceName>
  <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
    <EndPointCategory>PTP</EndPointCategory>
    <VlanId>760</VlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Mbps">10</Bandwidth>
  </ServiceEndpointConfiguration>
<ServiceTemplates>
  <ServiceTemplate>
    <ID>66317</ID>
    <ConfigParams>
      <Name>Name</Name>
      <Value>testname123</Value>
      <Decommission>>false</Decommission>
      <SvcSpecificValue>>false</SvcSpecificValue>
      <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
  </ServiceTemplate>
  <ServiceTemplate>
    <ID>6357015</ID>
    <ConfigParams>
      <Name>Description</Name>
      <Value>DemoDescription</Value>
      <Xpath>/configuration/cpl/interface/description</Xpath>
      <Decommission>>false</Decommission>
      <SvcSpecificValue>>false</SvcSpecificValue>
      <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
  </ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">

```

```

    <MTU>1577</MTU>
    <VCID>760</VCID>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="327680"/>
    <ServiceDefinition>
      <ServiceDefinitionID key="262144"/>
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
  <Action>SaveAndDeployNow</Action>
  <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
</CustomAction>
</Data>

```

Output

Sample XML Output

```

  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
<Status>
  <Identity>
    <Type>ServiceOrder</Type>
    <Value>459190</Value>
  </Identity>
  <Job>
    <ID>196671</ID>
    <Status>INPROGRESS</Status>
  </Job>
  <Code>200</Code>
  <Message>The Service Order Modified Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
</Status>
</Data>

```

Get Job Details By Job ID for a E-Line Service Order

This request is used to obtain the details of a specific job, based on its unique identifier.

| | |
|----------------------|--|
| URI | /api/space/nsas/elan-ptp/service-management/service-orders/jobId |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-orders+json;version=2 |
| Produces | Retrieves the details of a particular job. |
| Mandatory Parameters | jobID |

Output

Sample JSONOutput

```
{
  "Data": {
    "JobDetailsType": {
      "jobDetailType": [
        {
          "nodeName": "960R1_EN_Alok_re",
          "statusMessage": "Endpoint cannot be provisioned since validation failed for other devices.",
          "jobStatus": "INVALID",
          "serviceName": "Test2Devices"
        },
      ]
    }
  }
}
```

Create an E-Line LDP Service Order to Create an LSP

This request is used to create an E-Line LDP service order for creating an LSP.

| | |
|-----|---|
| URL | /api/space/nsas/eline-ptp/service-management/service-orders |
|-----|---|

| | |
|---------------|--|
| HTTP Method | POST |
| Sample URL | https://192.0.2.10:8443/api/space/nsas/eline-ptp/service-management/service-orders |
| Accept Header | application/vnd.net.juniper.space.service-management.service-order-status+xml;version=3 |
| Content Type | application/vnd.net.juniper.space.service-management.service-order+xml;version=3;charset=UTF-8 |

Input

Sample XML Input

```

"<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>ELine_CreateLSP</Name>
        <CustomerName>Juniper</CustomerName>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>

      <DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
      <DeviceInfo>
        <NA>
          <DeviceName>SG2re</DeviceName>
          <DeviceID>2</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-0/0/6</InterfaceName>
        <InterfaceID>27</InterfaceID>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
          <EndPointCategory>PTP</EndPointCategory>
          <UnitId>123</UnitId>

```

```

        <VlanId>123</VlanId>
        <MTU>1522</MTU>
        <Bandwidth unit="Mbps">10</Bandwidth>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>

<DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
    <DeviceInfo>
        <NA>
            <DeviceName>SG4re</DeviceName>
            <DeviceID>3</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/0/7</InterfaceName>
        <InterfaceID>52</InterfaceID>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
            <UnitId>1</UnitId>
            <VlanId>1</VlanId>
            <MTU>1522</MTU>
            <Bandwidth unit="Mbps">10</Bandwidth>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<LspServiceDefinition>
    <ServiceDefinitionID key="163841" />
</LspServiceDefinition>
<LSPPattern key="2" />
<ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
    <MTUFactor>10</MTUFactor>
    <RouteTarget AutoPick="true" />
    <RouteDistinguisher AutoPick="true" />
</ServiceOrderParameter>
<Reference>
    <Customer key="1" />

```

```

        <ServiceDefinition>
            <ServiceDefinitionID key="98304" />
        </ServiceDefinition>
        <Service key="undefined" />
    </Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndValidate</Action>
</CustomAction>
</Data>
"

```

Output

Sample XML Output

```

"<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
        <Identity>
            <Type>ServiceOrder</Type>
            <Value>131073</Value>
        </Identity>
        <Job>
            <ID>917529</ID>
            <Status>INPROGRESS</Status>
        </Job>
        <Code>200</Code>
        <Message>The Service Order Modified Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
    </Status>
</Data>
"

```

Get an E-Line LDP Service Order to Associate an LSP

This request is used to retrieve an E-Line LDP service order to associate it with an LSP.

| | |
|--------------|--|
| URL | /api/space/nsas/eline-ntp/service-management/service-orders/<orderID> |
| HTTP Method | GET |
| Sample URL | https://192.0.2.10:8443/api/space/nsas/eline-ntp/service-management/service-orders/131073 |
| Accept | application/vnd.net.juniper.space.service-management.service-order+xml;version=2; |
| Content Type | application/vnd.net.juniper.space.service-management.service-order+xml;version=2; charset=UTF-8; |

Input

Not Applicable

Output

Sample XML Output

```

    "<?xml version="1.0" encoding="UTF-8"?>
    <Data xmlns="services.schema.networkapi.jmp.juniper.net">
      <ServiceResource>
        <ServiceOrder key="131073"
uri="/api/space/nsas/eline-ntp/service-management/service-orders/131073"
href="/api/space/nsas/eline-ntp/service-management/service-orders/131073">

          <Common>
            <Name>ELine_CreateLSP</Name>
            <Identity>131073</Identity>
            <State>Validated</State>
            <ScheduledState>Validated</ScheduledState>
            <CreatedDate>2018-06-21T00:33:12.000+05:30</CreatedDate>
            <LastUpdatedDate>2018-06-21T00:33:12.000+05:30</LastUpdatedDate>

            <CreatedBy>super</CreatedBy>
            <InstanceType>l2vpn</InstanceType>
          </Common>
          <ServiceType>Point-to-Point Pseudowire</ServiceType>
        </ServiceOrder>
      </ServiceResource>
    </Data>
  </pre>
```

```

        <JobIdsList>917529</JobIdsList>
        <LSPPattern
href="" /api/space/nsas/lsp-pattern/service-management/service-patterns/2""
uri="" /api/space/nsas/lsp-pattern/service-management/service-patterns/2""
key="" 2"">
            <PatternName>Full Mesh Default Pattern</PatternName>
            <PatternID>2</PatternID>
        </LSPPattern>
        <Signaling>BGP</Signaling>
        <Action>Provisioning</Action>
        <endpointcount>0</endpointcount>
        <ServiceEndPointGroup>
            <DeviceInfo>
                <NA key="" 2"" uri="" /api/space/nsas/device-roles/pe-devices/2""
href="" /api/space/nsas/device-roles/pe-devices/2"">
                    <DeviceName>SG2re</DeviceName>
                    <DeviceID>2</DeviceID>
                </NA>
            </DeviceInfo>
            <ServiceEndPoint>
                <InterfaceName>ge-0/0/6</InterfaceName>
                <ServiceEndpointConfiguration
xmlns:xsi="" http://www.w3.org/2001/XMLSchema-instance""
xsi:type="" PTElineBGPEndPointConfigParameterOrderType"">
                    <EndPointCategory>PTP</EndPointCategory>
                    <TrafficType>QINQ Transport all traffic</TrafficType>

<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
                    <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
                    <UNIDescription>N/A</UNIDescription>
                    <OuterTPID>None</OuterTPID>
                    <UnitId>123</UnitId>
                    <VlanId>123</VlanId>
                    <MTU>1522</MTU>
                    <Bandwidth unit="" Mbps"">10</Bandwidth>
                </ServiceEndpointConfiguration>
                <ServiceTemplates />
                <OppType>ADD</OppType>
            </ServiceEndPoint>
        </ServiceEndPointGroup>
        <ServiceEndPointGroup>
            <DeviceInfo>

```

```

        <NA key="3" uri="/api/space/nsas/device-roles/pe-devices/3"
href="/api/space/nsas/device-roles/pe-devices/3">
            <DeviceName>SG4re</DeviceName>
            <DeviceID>3</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/0/7</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
            <TrafficType>QINQ Transport all traffic</TrafficType>

<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
            <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
            <UNIDescription>N/A</UNIDescription>
            <OuterTPID>None</OuterTPID>
            <UnitId>1</UnitId>
            <VlanId>1</VlanId>
            <MTU>1522</MTU>
            <Bandwidth unit="Mbps">10</Bandwidth>
        </ServiceEndpointConfiguration>
        <ServiceTemplates />
        <OppType>ADD</OppType>
    </ServiceEndPoint>
</ServiceEndPointGroup>
    <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
        <RouteTarget>100:13</RouteTarget>
        <RouteDistinguisher>100:16</RouteDistinguisher>
        <VlanNormalization>Swap</VlanNormalization>
        <MTUFactor>10</MTUFactor>
    </ServiceOrderParameter>
    <Reference>
        <Customer uri="/api/space/nsas/customer-management/customers/1"
href="/api/space/nsas/customer-management/customers/1" key="1">
            <CustomerName>Juniper</CustomerName>
        </Customer>
    </ServiceDefinition>
    <ServiceDefinitionID

```

```

uri="/api/space/nsas/eline-ptp/service-management/service-definitions/98304"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/98304"
key="98304">

<ServiceDefinitionName>ELine-BGP-QinQ-AllVLAN</ServiceDefinitionName>
  </ServiceDefinitionID>
</ServiceDefinition>
<Service
uri="/api/space/nsas/eline-ptp/service-management/services/196608"
href="/api/space/nsas/eline-ptp/service-management/services/196608"
key="196608" />
  </Reference>
  <LspServiceDefinition>
    <ServiceDefinitionID
uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/163841"

href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/163841"
key="163841">
      <ServiceDefinitionName>ns_test1</ServiceDefinitionName>
    </ServiceDefinitionID>
  </LspServiceDefinition>
  <LspId>131076</LspId>
</ServiceOrder>
</ServiceResource>
</Data>
"

```

E-Line LDP Services Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director E-Line LDP Services Management RESTful Web Services.

Get All E-Line LDP Services

This request is used to retrieve all the configured Layer 2 Ethernet Private Line (EPL, also called E-Line) LDP services.

URI

api/space/nsas/eline-ptp/service-management/services

| | |
|-------------|---|
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml |
| Produces | Collects all the configured E-Line LDP services. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="2">
    <Service href="/api/space/nsas/eline-ptp/service-management/services/262378"
      uri="/api/space/nsas/eline-ptp/service-management/services/262378"
      key="262378">
      <Common>
        <Name>Eline_QinQ_AVlan_001</Name>
        <Identity>262378</Identity>
        <State>Deployed</State>
        <Comments>Eline_QinQ_AVlan_001</Comments>
        <CreatedDate>2012-06-28T16:32:56.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-06-28T16:32:56.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>LDP</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
      </AuditFlag>
      <Reference>
        <ServiceOrder key="262371"
href="/api/space/nsas/eline-ptp/service-management/service-orders/262371"
uri="/api/space/nsas/eline-ptp/service-management/service-orders/262371" />
        <ServiceDefinition>
          <ServiceDefinitionID key="262144"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/262144"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/262144"
/>
          </ServiceDefinition>
          <Customer key="327680"
href="/api/space/nsas/customer-management/customers/327680"
uri="/api/space/nsas/customer-management/customers/327680" />
        </Reference>
      </Service>
    </Service>
  </ServiceResource>
</Data>
```

```

    <Service href="/api/space/nsas/eline-ntp/service-management/services/262396"
    uri="/api/space/nsas/eline-ntp/service-management/services/262396"
    key="262396">
      <Common>
        <Name>ATM_001</Name>
        <Identity>262396</Identity>
        <State>Deployed</State>
        <Comments>ATM_001</Comments>
        <CreatedDate>2012-06-28T16:35:52.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-06-28T16:35:52.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>LDP</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
      </AuditFlag>
      <Reference>
        <ServiceOrder key="262389"
        href="/api/space/nsas/eline-ntp/service-management/service-orders/262389"
        uri="/api/space/nsas/eline-ntp/service-management/service-orders/262389" />
        <ServiceDefinition>
          <ServiceDefinitionID key="262307"
          href="/api/space/nsas/eline-ntp/service-management/service-definitions/262307"
          uri="/api/space/nsas/eline-ntp/service-management/service-definitions/262307"
          />
        </ServiceDefinition>
        <Customer key="327680"
        href="/api/space/nsas/customer-management/customers/327680"
        uri="/api/space/nsas/customer-management/customers/327680" />
      </Reference>
    </Service>
  </ServiceResource>
</Data>

```

Get All E-Line Services By Customer ID or Name

This request is used to retrieve all the configured Layer 2 Ethernet Private Line (EPL, also called E-Line) services based on customer name or customer ID.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ntp/service-management/ services?customerId=360448 api/space/nsas/eline-ntp/service-management/ services?customerName=Customer_005 |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. services+xml;version=2 |
| Produces | Collects all the configured E-Line LDP services based on the customer name or ID. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="3">
    <Service href="/api/space/nsas/eline-ntp/service-management/services/262378"
      uri="/api/space/nsas/eline-ntp/service-management/services/262378"
      key="262378">
      <Common>
        <Name>Eline_TDM_001</Name>
        <Identity>262378</Identity>
        <State>Deployed</State>
        <Comments>Eline_TDM_001</Comments>
        <CreatedDate>2012-08-09T19:21:25.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-08-09T19:21:25.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>LDP</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
      </AuditFlag>
      <Reference>
        <ServiceOrder key="262371"
          href="/api/space/nsas/eline-ntp/service-management/service-orders/262371"
```

```

uri="/api/space/nsas/eline-ptp/service-management/service-orders/262371" />
<ServiceDefinition>
<ServiceDefinitionID key="262279"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/262279"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/262279"
/>
</ServiceDefinition>
<Customer key="360448"
href="/api/space/nsas/customer-management/customers/360448"
uri="/api/space/nsas/customermanagement/
customers/360448" />
</Reference>
</Service>
<Service href="/api/space/nsas/eline-ptp/service-management/services/262423"
uri="/api/space/nsas/eline-ptp/service-management/services/262423"
key="262423">
<Common>
<Name>Eline_SO_004</Name>
<Identity>262423</Identity>
<State>Deployed</State>
<Comments>Eline_SO_004</Comments>
<CreatedDate>2012-08-09T19:47:09.000+05:30</CreatedDate>
<LastUpdatedDate>2012-08-09T19:47:09.000+05:30</LastUpdatedDate>
</Common>
<ServiceType>LDP</ServiceType>
<AuditFlag>
<FunctionalAudit>Pending</FunctionalAudit>
</AuditFlag>
<Reference>
<ServiceOrder key="262416"
href="/api/space/nsas/eline-ptp/service-management/service-orders/262416"
uri="/api/space/nsas/eline-ptp/service-management/service-orders/262416" />
<ServiceDefinition>
<ServiceDefinitionID key="262144"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/262144"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/262144"
/>
</ServiceDefinition>
<Customer key="360448"
href="/api/space/nsas/customer-management/customers/360448"
uri="/api/space/nsas/customermanagement/
customers/360448" />

```

```

</Reference>
</Service>
<Service href="/api/space/nsas/eline-ntp/service-management/services/262441"
uri="/api/space/nsas/eline-ntp/service-management/services/262441"
key="262441">
  <Common>
    <Name>ATM_001</Name>
    <Identity>262441</Identity>
    <State>Deployed</State>
    <Comments>ATM_001</Comments>
    <CreatedDate>2012-08-09T20:00:15.000+05:30</CreatedDate>
    <LastUpdatedDate>2012-08-09T20:00:15.000+05:30</LastUpdatedDate>
  </Common>
  <ServiceType>LDP</ServiceType>
  <AuditFlag>
    <FunctionalAudit>Pending</FunctionalAudit>
  </AuditFlag>
  <Reference>
    <ServiceOrder key="262434"
href="/api/space/nsas/eline-ntp/service-management/service-orders/262434"
uri="/api/space/nsas/eline-ntp/service-management/service-orders/262434" />
    <ServiceDefinition>
      <ServiceDefinitionID key="262307"
href="/api/space/nsas/eline-ntp/service-management/service-definitions/262307"
uri="/api/space/nsas/eline-ntp/service-management/service-definitions/262307"
/>
    </ServiceDefinition>
    <Customer key="360448"
href="/api/space/nsas/customer-management/customers/360448"
uri="/api/space/nsas/customermanagement/
customers/360448" />
  </Reference>
</Service>
</ServiceResource>
</Data>

```

Get All E-Line Services with Pagination, Search, and Filter

This request is used to retrieve all the configured Layer 2 Ethernet Private Line (EPL, also called E-Line) services with pagination, and to filter the results based on the search criteria

| | |
|-------------|--|
| URI | api/space/nsas/eline-ntp/service-management/ services?start=2&limit=3&sortorder=asc&sortedby=Name&filteredby=Name&Eline api/space/nsas/eline-ntp/service-management/ services?start=2&limit=3 api/space/nsas/eline-ntp/service-management/ services?paging=(start eq 2, limit eq 3) |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. services+xml;version=2 |
| Produces | Collects all the configured E-Line LDP services with pagination applied, and with a filtered result-set that matches the search criteria |

NOTE: For service orders, you can sort with “sortedby=CreateDate” and “sortedby=State”.

For Start and Limit attributes, you can provide integer values based on your requirement to sort and filter the API output. Sortorder can be “asc” and “desc”. The SortedBy attribute differs based on the APIs. For service orders, the SortedBy option can be “CreateDate”, “State”. For services, the SortedBy option can be “Name”, “LastModifiedDate”. The FilteredBy attribute differs based on the APIs. For service orders, the FilteredBy option can be “Name” and “State”. For services, the FilteredBy option can be “Name”.

If you enter “paging=(starteq 2, limit eq 3)”, which is not a single integer value, the display is according to index of records. In this case, it shows from the first indexed record to the third indexed record. If you enter “start=2&limit=3”, it starts from the second record and displays the next three records in all.

You can specify multiple key:value pairs with the FilteredBy attribute. For example, to get service orders, you can use Get ServiceOrders with Name and State as “filteredby=Name::L3VPN@@State::Invalid”. Similarly, to get service orders, you can use with Name OR state “filteredby=Name::L3VPN!! State::Invalid”.

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="5">
    <Service href="/api/space/nsas/eline-ntp/service-management/services/1179679"
      uri="/api/space/nsas/eline-ntp/service-management/services/1179679"
      key="1179679">
      <Common>
        <Name>Eline</Name>
        <Identity>1179679</Identity>
        <State>Deployed</State>
        <Comments>Eline</Comments>
        <CreateDate>2012-07-02T15:34:00.000+05:30</CreateDate>
        <LastUpdatedDate>2012-07-02T15:34:00.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>LDP</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
      </AuditFlag>
      <Reference>
        <ServiceOrder key="1179672"
          href="/api/space/nsas/eline-ntp/service-management/service-orders/1179672"
          uri="/api/space/nsas/eline-ntp/service-management/service-orders/1179672" />
        <ServiceDefinition>
          <ServiceDefinitionID key="1179648"
            href="/api/space/nsas/eline-ntp/service-management/service-definitions/1179648"
            uri="/api/space/nsas/eline-ntp/service-management/service-definitions/1179648"
            />
        </ServiceDefinition>
        <Customer key="327680"
          href="/api/space/nsas/customer-management/customers/327680"
          uri="/api/space/nsas/customer-management/customers/327680" />
      </Reference>
    </Service>
  </ServiceResource>
</Data>
```

Get All E-Line Services with Pagination

This request is used to retrieve all the configured Layer 2 Ethernet Private Line (EPL, also called E-Line) services with pagination.

| | |
|-------------|---|
| URI | <p>api/space/nsas/eline-ntp/service-management/services?start=2&limit=3</p> <p>api/space/nsas/eline-ntp/service-management/services?paging=(start eq 2, limit eq 3)</p> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml;version=2 |
| Produces | Collects all the configured E-Line LDP services with pagination applied |

NOTE: For service orders, you can sort with “sortedby=CreatedDate” and “sortedby=State”.

For Start and Limit attributes, you can provide integer values based on your requirement to sort and filter the API output. Sortorder can be “asc” and “desc”. The SortedBy attribute differs based on the APIs. For service orders, the SortedBy option can be “CtreatedDate”, “State”. For services, the SortedBy option can be “Name”, “LastModifiedDate”. The FilteredBy attribute differs based on the APIs. For service orders, the FilteredBy option can be “Name” and “State”. For services, the FilteredBy option can be “Name”.

If you enter “paging=(starteq 2, limit eq 3)”, which is not a single integer value, the display is according to index of records. In this case, it shows from the first indexed record to the third indexed record. If you enter “start=2&limit=3”, it starts from the second record and displays the next three records in all.

You can specify multiple key:value pairs with the FilteredBy attribute. For example, to get service orders, you can use Get ServiceOrders with Name and State as “filteredby=Name::L3VPN@@State::Invalid”. Similarly, to get service orders, you can use with Name OR state “filteredby=Name::L3VPN!! State::Invalid”.

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="5">
    <Service href="/api/space/nsas/eline-ptp/service-management/services/1179679"
      uri="/api/space/nsas/eline-ptp/service-management/services/1179679"
      key="1179679">
      <Common>
        <Name>Eline</Name>
        <Identity>1179679</Identity>
        <State>Deployed</State>
        <Comments>Eline</Comments>
        <CreatedDate>2012-07-02T15:34:00.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-07-02T15:34:00.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>LDP</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
      </AuditFlag>
      <Reference>
        <ServiceOrder key="1179672"
          href="/api/space/nsas/eline-ptp/service-management/service-orders/1179672"
          uri="/api/space/nsas/eline-ptp/service-management/service-orders/1179672" />
        <ServiceDefinition>
          <ServiceDefinitionID key="1179648"
            href="/api/space/nsas/eline-ptp/service-management/service-definitions/1179648"
            uri="/api/space/nsas/eline-ptp/service-management/service-definitions/1179648"
            />
        </ServiceDefinition>
        <Customer key="327680"
          href="/api/space/nsas/customer-management/customers/327680"
          uri="/api/space/nsas/customer-management/customers/327680" />
      </Reference>
    </Service>
  </ServiceResource>
</Data>

```

Get an E-Line LDP TDM Service with MC-APS By Service ID

This request is used to retrieve the details of a particular E-Line LDP TDM service with MC-APS based on the service ID.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ptp/service-management/services/<serviceld> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml |
| Produces | Collects the details of a specific E-Line LDP TDM service with MC-APS. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service key="753735"
uri="/api/space/nsas/eline-ptp/service-management/services/753735"
href="/api/space/nsas/eline-ptp/service-management/services/753735">
      <Common>
        <Name>P2P_TDM_Service </Name>
        <Identity>753735</Identity>
        <State>Deployed</State>
        <Comments>eswrewter</Comments>
        <CreatedDate>2014-12-24T13:16:59.000+05:30</CreatedDate>
        <LastUpdatedDate>2014-12-24T13:16:59.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>LDP</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
        <SLAStatus>None</SLAStatus>
      </AuditFlag>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="558373" uri="/api/space/nsas/device-roles/pe-devices/558373"
href="/api/space/nsas/device-roles/pe-devices/558373">
```

```

        <DeviceName>junos-space3</DeviceName>
        <DeviceID>558373</DeviceID>
        <CMPDeviceID>131370</CMPDeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>t1-0/0/1.0</InterfaceName>
    <InterfaceIndex>622</InterfaceIndex>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterServiceType">
        <EndPointCategory>PTP</EndPointCategory>
        <TrafficType>Transport using port</TrafficType>
        <PhysicalEncapsulation>satop</PhysicalEncapsulation>
        <UNIDescription>chbfhghfghf</UNIDescription>
        <JitterBuffer>5</JitterBuffer>
        <IdlePattern>255</IdlePattern>
        <ExcessPacketLossRate>20</ExcessPacketLossRate>
        <PayloadSize>192</PayloadSize>
    </ServiceEndpointConfiguration>
    <ServiceTemplates/>
</ServiceEndPoint>
<ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
    <PEDevice_LoopBackIP>30.1.2.9</PEDevice_LoopBackIP>
    <PEDevice_NeighborIP>30.1.2.14</PEDevice_NeighborIP>
</ServiceEndPointGroupParameter>
<BackUpSettings>
    <Enable>true</Enable>
    <DeviceInfo>
        <NA key="558373" uri="/api/space/nsas/device-roles/pe-devices/558373"
href="/api/space/nsas/device-roles/pe-devices/558373">
            <DeviceName>junos-space3</DeviceName>
            <DeviceID>558373</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>t1-0/0/0.0</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterServiceType">

```

```

        <EndPointCategory>PTP</EndPointCategory>
        <MTU>0</MTU>
        <Bandwidth unit="Mbps">0</Bandwidth>
        <RevertTime>5</RevertTime>
        <SwitchOverDelay>0</SwitchOverDelay>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</BackUpSettings>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA key="558345" uri="/api/space/nsas/device-roles/pe-devices/558345"
href="/api/space/nsas/device-roles/pe-devices/558345">
            <DeviceName>fortius-f2100-b</DeviceName>
            <DeviceID>558345</DeviceID>
            <CMPDeviceID>131338</CMPDeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>t1-0/0/7.0</InterfaceName>
        <InterfaceIndex>512</InterfaceIndex>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterServiceType">
            <EndPointCategory>PTP</EndPointCategory>
            <TrafficType>Transport using port</TrafficType>
            <PhysicalEncapsulation>satop</PhysicalEncapsulation>
            <UNIDescription>ghfgh</UNIDescription>
            <JitterBuffer>5</JitterBuffer>
            <IdlePattern>255</IdlePattern>
            <ExcessPacketLossRate>20</ExcessPacketLossRate>
            <PayloadSize>192</PayloadSize>
        </ServiceEndpointConfiguration>
        <ServiceTemplates/>
    </ServiceEndPoint>
    <ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
        <PEDevice_LoopBackIP>30.1.2.14</PEDevice_LoopBackIP>
        <PEDevice_NeighborIP>30.1.2.9</PEDevice_NeighborIP>
    </ServiceEndPointGroupParameter>
    <BackUpSettings>

```

```

    <Enable>true</Enable>
    <DeviceInfo>
      <NA key="558373" uri="/api/space/nsas/device-roles/pe-devices/558373"
href="/api/space/nsas/device-roles/pe-devices/558373">
        <DeviceName>junos-space3</DeviceName>
        <DeviceID>558373</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>t1-0/0/0.0</InterfaceName>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterServiceType">
        <EndPointCategory>PTP</EndPointCategory>
        <MTU>0</MTU>
        <Bandwidth unit="Mbps">0</Bandwidth>
        <RevertTime>5</RevertTime>
        <SwitchOverDelay>0</SwitchOverDelay>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </BackUpSettings>
</ServiceEndPointGroup>
  <ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMConfigParameterServiceType">
    <MTU>1522</MTU>
    <VCID>2147467285</VCID>
    <EnableMCAPS>true</EnableMCAPS>
  </ServiceParameters>
  <Reference>
    <ServiceOrder
uri="/api/space/nsas/eline-ptp/service-management/service-orders/753723"
href="/api/space/nsas/eline-ptp/service-management/service-orders/753723"
key="753723"/>
      <ServiceDefinition>
        <ServiceDefinitionID
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/393544"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/393544"
key="393544"/>
      </ServiceDefinition>
      <Customer uri="/api/space/nsas/customer-management/customers/558401"
href="/api/space/nsas/customer-management/customers/558401" key="558401"/>
    </Reference>
  </ServiceOrder>

```

```
</Service>
</ServiceResource>
</Data>
```

Modify an E-Line LDP ATM Service with MC-APS

This request is used to modify a previously configured E-Line LDP ATM service with multichassis automatic protection switching (MC-APS) specified.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/services/{service-Id} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.modify-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml;version=2 |
| Produces | Modifies an E-Line LDP service with TDM interfaces and multi-segment pseudowires. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>ATM_LDP_MCAPS_ModifyService_API_02</Name>
        <Comments>rtyrty</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
```

```

    <DeviceInfo>
      <NA key="558223" uri="/api/space/nsas/device-roles/pe-devices/558223"
href="/api/space/nsas/device-roles/pe-devices/558223">
        <DeviceName>fortius-f2100-a</DeviceName>
        <DeviceID>558223</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>at-0/0/10</InterfaceName>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterOrderType">
        <UNIDescription>erterter</UNIDescription>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
    <BackUpSettings>
      <Enable>true</Enable>
    <DeviceInfo>
      <NA key="558152" uri="/api/space/nsas/device-roles/pe-devices/558152"
href="/api/space/nsas/device-roles/pe-devices/558152">
        <DeviceName>fortius-f2100-b</DeviceName>
        <DeviceID>558152</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>at-0/0/8</InterfaceName>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterOrderType">
        </ServiceEndpointConfiguration>
        <Description>erterter</Description>
      </ServiceEndPoint>
    </BackUpSettings>
  </ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="558170" uri="/api/space/nsas/device-roles/pe-devices/558170"
href="/api/space/nsas/device-roles/pe-devices/558170">
      <DeviceName>junos-spacel</DeviceName>
      <DeviceID>558170</DeviceID>
    </NA>
  </DeviceInfo>

```

```

    <ServiceEndPoint>
      <InterfaceName>at-0/0/16</InterfaceName>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterOrderType">
        <UNIDescription>7657</UNIDescription>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
    <BackUpSettings>
      <Enable>true</Enable>
      <DeviceInfo>
        <NA key="558189" uri="/api/space/nsas/device-roles/pe-devices/558189"
href="/api/space/nsas/device-roles/pe-devices/558189">
          <DeviceName>junos-space3</DeviceName>
          <DeviceID>558189</DeviceID>
        </NA>
      </DeviceInfo>
    </ServiceEndPoint>
    <InterfaceName>at-0/0/16</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterOrderType">
      </ServiceEndpointConfiguration>
      <Description>7657</Description>
    </ServiceEndPoint>
  </BackUpSettings>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMConfigParameterOrderType">
  <VlanNormalization>Swap</VlanNormalization>
  <EnableMCAPS>>false</EnableMCAPS>
</ServiceOrderParameter>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>2064425</Value>
    </Identity>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>2064589</Value>
    </Identity>
    <Job>
      <ID>524544</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Modified Successfully and Validation is in Progress.
    Please check the status using the JOB ID.</Message>
  </Status>
</Data>
```

Get an E-Line LDP ATM Service with MC-APS By Service ID

This request is used to retrieve the details of a particular E-Line LDP ATM service with MC-APS based on the service ID.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ptp/service-management/services/<serviceId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml |
| Produces | Collects the details of a specific E-Line LDP ATM service with MC-APS. |

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service key="2064425"
uri="/api/space/nsas/eline-ptp/service-management/services/2064425"
href="/api/space/nsas/eline-ptp/service-management/services/2064425">
      <Common>
        <Name>ATM_LDP_MCAPS_SD</Name>
        <Identity>2064425</Identity>
        <State>Deployed</State>
        <Comments>rtyrty</Comments>
        <CreatedDate>2014-12-12T15:17:43.000+05:30</CreatedDate>
        <LastUpdatedDate>2014-12-12T15:17:43.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>LDP</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
        <SLAStatus>None</SLAStatus>
      </AuditFlag>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="558223" uri="/api/space/nsas/device-roles/pe-devices/558223"
href="/api/space/nsas/device-roles/pe-devices/558223">
            <DeviceName>fortius-f2100-a</DeviceName>
            <DeviceID>558223</DeviceID>
            <CMPDeviceID>131216</CMPDeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>at-0/0/10.1021</InterfaceName>
          <InterfaceIndex>630</InterfaceIndex>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterServiceType">
            <EndPointCategory>PTP</EndPointCategory>
            <PhysicalEncapsulation>atm-ccc-cell-relay</PhysicalEncapsulation>
            <LogicalEncapsulation>N/A</LogicalEncapsulation>
            <UNIDescription>erterter</UNIDescription>
            <VPI>30</VPI>
            <VCI>34</VCI>
            <CellBundleSize>1</CellBundleSize>
          </ServiceEndpointConfiguration>

```

```

        <ServiceTemplates/>
    </ServiceEndPoint>
    <ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
        <PEDevice_LoopBackIP>30.1.2.13</PEDevice_LoopBackIP>
        <PEDevice_NeighborIP>30.1.2.7</PEDevice_NeighborIP>
    </ServiceEndPointGroupParameter>
    <BackUpSettings>
        <Enable>true</Enable>
        <DeviceInfo>
            <NA key="558152" uri="/api/space/nsas/device-roles/pe-devices/558152"
href="/api/space/nsas/device-roles/pe-devices/558152">
                <DeviceName>fortius-f2100-b</DeviceName>
                <DeviceID>558152</DeviceID>
            </NA>
        </DeviceInfo>
    </ServiceEndPoint>
    <InterfaceName>at-0/0/8.1021</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterServiceType">
        <EndPointCategory>PTP</EndPointCategory>
        <MTU>0</MTU>
        <Bandwidth unit="Mbps">0</Bandwidth>
        <RevertTime>5</RevertTime>
        <SwitchOverDelay>0</SwitchOverDelay>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</BackUpSettings>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA key="558170" uri="/api/space/nsas/device-roles/pe-devices/558170"
href="/api/space/nsas/device-roles/pe-devices/558170">
            <DeviceName>junos-spacel</DeviceName>
            <DeviceID>558170</DeviceID>
            <CMPDeviceID>131228</CMPDeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>at-0/0/16.1021</InterfaceName>

```

```

    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterServiceType">
    <EndPointCategory>PTP</EndPointCategory>
    <PhysicalEncapsulation>atm-ccc-cell-relay</PhysicalEncapsulation>
    <LogicalEncapsulation>N/A</LogicalEncapsulation>
    <UNIDescription>7657</UNIDescription>
    <VPI>30</VPI>
    <VCI>34</VCI>
    <CellBundleSize>1</CellBundleSize>
</ServiceEndpointConfiguration>
<ServiceTemplates/>
</ServiceEndPoint>
<ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndPointGroupParameterServiceType">
    <PEDevice_LoopBackIP>30.1.2.7</PEDevice_LoopBackIP>
    <PEDevice_NeighborIP>30.1.2.13</PEDevice_NeighborIP>
</ServiceEndPointGroupParameter>
<BackUpSettings>
    <Enable>true</Enable>
    <DeviceInfo>
        <NA key="558189" uri="/api/space/nsas/device-roles/pe-devices/558189"
href="/api/space/nsas/device-roles/pe-devices/558189">
            <DeviceName>junos-space3</DeviceName>
            <DeviceID>558189</DeviceID>
        </NA>
    </DeviceInfo>
</ServiceEndPoint>
    <InterfaceName>at-0/0/16.1021</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterServiceType">
        <EndPointCategory>PTP</EndPointCategory>
        <MTU>0</MTU>
        <Bandwidth unit="Mbps">0</Bandwidth>
        <RevertTime>5</RevertTime>
        <SwitchOverDelay>0</SwitchOverDelay>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</BackUpSettings>
</ServiceEndPointGroup>

```

```
<ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMConfigParameterServiceType">
  <MTU>1522</MTU>
  <VCID>2147467350</VCID>
  <VlanNormalization>Swap</VlanNormalization>
  <EnableMCAPS>true</EnableMCAPS>
</ServiceParameters>
<Reference>
  <ServiceOrder
uri="/api/space/nsas/eline-ptp/service-management/service-orders/2064408"
href="/api/space/nsas/eline-ptp/service-management/service-orders/2064408"
key="2064408"/>
    <ServiceDefinition>
      <ServiceDefinitionID
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/2064384"

href="/api/space/nsas/eline-ptp/service-management/service-definitions/2064384"
key="2064384"/>
    </ServiceDefinition>
    <Customer uri="/api/space/nsas/customer-management/customers/558251"
href="/api/space/nsas/customer-management/customers/558251" key="558251"/>
  </Reference>
</Service>
</ServiceResource>
</Data>
```

Get E-Line LDP Service Details for Multi-Segment Pseudowires By Service ID

This request is used to retrieve the details of a particular Layer 2 Ethernet Private Line (EPL, also called E-Line) LDP service with a multi-segment pseudowire based on the service ID.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ptp/service-management/ services/<service-Id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. services+xml;version=2 |

Produces

Collects the details of a specific E-Line LDP service with a multi-segment pseudowire.

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service key="393574"
uri="/api/space/nsas/eline-ptp/service-management/services/393574"
href="/api/space/nsas/eline-ptp/service-management/services/393574">
      <Common>
        <Name>P2P_LDP_Multiseg_SO</Name>
        <Identity>393574</Identity>
        <State>Deployed</State>
        <Comments>dsfdsf</Comments>
        <CreatedDate>2014-10-15T12:04:55.000+05:30</CreatedDate>
        <LastUpdatedDate>2014-10-15T12:04:55.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>LDP</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
        <SLAStatus>None</SLAStatus>
      </AuditFlag>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="524351" uri="/api/space/nsas/device-roles/pe-devices/524351"
href="/api/space/nsas/device-roles/pe-devices/524351">
            <DeviceName>embassy</DeviceName>
            <DeviceID>524351</DeviceID>
            <CMPDeviceID>131141</CMPDeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>xe-0/0/1.0</InterfaceName>
          <InterfaceIndex>513</InterfaceIndex>
        </ServiceEndPointConfiguration>
      </ServiceEndPointGroup>
    </ServiceResource>
  </Data>
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="PTPElineLDPEndPointConfigParameterServiceType">
    <EndPointCategory>PTP</EndPointCategory>
  </xsi:type>
</Data>
```

```

    <TrafficType>Transport using port</TrafficType>
    <PhysicalEncapsulation>ethernet-ccc</PhysicalEncapsulation>
    <LogicalEncapsulation>N/A</LogicalEncapsulation>
    <UNIDescription>safsd fsdf</UNIDescription>
    <VlanId>0</VlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Mbps">10</Bandwidth>
  </ServiceEndpointConfiguration>
  <ServiceTemplates/>
</ServiceEndPoint>
<ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndPointGroupParameterServiceType">
  <PEDevice_LoopBackIP>50.1.2.4</PEDevice_LoopBackIP>
  <PEDevice_NeighborIP>30.1.2.9</PEDevice_NeighborIP>
</ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="525406" uri="/api/space/nsas/device-roles/pe-devices/525406"
href="/api/space/nsas/device-roles/pe-devices/525406">
      <DeviceName>junos-space3</DeviceName>
      <DeviceID>525406</DeviceID>
      <CMPDeviceID>131145</CMPDeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>iw0.10</InterfaceName>
  <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterServiceType">
    <EndPointCategory>PTP</EndPointCategory>
    <TrafficType>Transport using port</TrafficType>
    <PhysicalEncapsulation>ethernet-ccc</PhysicalEncapsulation>
    <LogicalEncapsulation>N/A</LogicalEncapsulation>
    <StitchingUnit>10</StitchingUnit>
    <UNIDescription>sdfdsf</UNIDescription>
    <VlanId>0</VlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Mbps">10</Bandwidth>
    <StitchedPWSegment>
    <TPEDevice>junos-mx240-space</TPEDevice>

```

```

    <PeerUnitName>12</PeerUnitName>
    <Interface>ge-0/2/6</Interface>
    <VlanId>0</VlanId>
    <VCID>2147467278</VCID>
  </StitchedPWSegment>
</ServiceEndpointConfiguration>
<ServiceTemplates/>
</ServiceEndPoint>
<ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndPointGroupParameterServiceType">
  <PEDevice_LoopBackIP>30.1.2.9</PEDevice_LoopBackIP>
  <PEDevice_NeighborIP>50.1.2.4</PEDevice_NeighborIP>
</ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
  <ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterServiceType">
    <MTU>1522</MTU>
    <VCID>2147467278</VCID>
    <VlanNormalization>Normalization not required</VlanNormalization>
    <MTUFactor>10</MTUFactor>
  </ServiceParameters>
  <Reference>
    <ServiceOrder
uri="/api/space/nsas/eline-ptp/service-management/service-orders/393565"
href="/api/space/nsas/eline-ptp/service-management/service-orders/393565"
key="393565"/>
      <ServiceDefinition>
        <ServiceDefinitionID
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/393544"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/393544"
key="393544"/>
          </ServiceDefinition>
          <Customer uri="/api/space/nsas/customer-management/customers/525426"
href="/api/space/nsas/customer-management/customers/525426" key="525426"/>
        </Reference>
      </Service>
    </ServiceResource>
  </Data>

```

Get E-Line LDP Service Details for Static Pseudowires By Service ID

This request is used to retrieve the details of a particular Layer 2 Ethernet Private Line (EPL, also called E-Line) LDP service with a static pseudowire based on the service ID.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ntp/service-management/services/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml;version=2 |
| Produces | Collects the details of a specific E-Line LDP service with a static pseudowire. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
      <Service key="393578"
uri="/api/space/nsas/eline-ntp/service-management/services/393578"
href="/api/space/nsas/eline-ntp/service-management/services/393578">
        <Common>
          <Name>P2P_LDP_E_SPW_SO</Name>
          <Identity>393578</Identity>
          <State>Deployed</State>
          <Comments>fdgdfgdf</Comments>
          <CreatedDate>2014-09-18T11:57:05.000+05:30</CreatedDate>
          <LastUpdatedDate>2014-09-18T15:29:22.000+05:30</LastUpdatedDate>
        </Common>
        <ServiceType>LDP</ServiceType>
        <AuditFlag>
          <FunctionalAudit>Pending</FunctionalAudit>
          <FaultStatus>None</FaultStatus>
          <SLAStatus>None</SLAStatus>
        </AuditFlag>
        <ServiceEndPointGroup>
          <DeviceInfo>
```

```

    <NA key="524440" uri="/api/space/nsas/device-roles/pe-devices/524440"
href="/api/space/nsas/device-roles/pe-devices/524440">
    <DeviceName>embassy</DeviceName>
    <DeviceID>524440</DeviceID>
    <CMPDeviceID>131133</CMPDeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-1/0/7.512</InterfaceName>
    <InterfaceIndex>526</InterfaceIndex>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterServiceType">
      <EndPointCategory>PTP</EndPointCategory>
      <TrafficType>QINQ Transport single vlan</TrafficType>
      <PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
      <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
      <UNIDescription>hgfh</UNIDescription>
      <OuterTPID>None</OuterTPID>
      <InnerTPID>None</InnerTPID>
      <UnitId>512</UnitId>
      <VlanId>512</VlanId>
      <CustomerVlanId>1</CustomerVlanId>
      <MTU>1522</MTU>
      <Bandwidth unit="Mbps">0</Bandwidth>
      <OutgoingLabel>1000016</OutgoingLabel>
      <IncomingLabel>1000016</IncomingLabel>
    </ServiceEndpointConfiguration>
    <ServiceTemplates/>
  </ServiceEndPoint>
  <ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndPointGroupParameterServiceType">
    <PEDevice_LoopBackIP>50.1.2.4</PEDevice_LoopBackIP>
    <PEDevice_NeighborIP>30.1.2.1</PEDevice_NeighborIP>
  </ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="524296" uri="/api/space/nsas/device-roles/pe-devices/524296"
href="/api/space/nsas/device-roles/pe-devices/524296">
    <DeviceName>junos-mx240-space</DeviceName>

```

```

    <DeviceID>524296</DeviceID>
    <CMPDeviceID>131117</CMPDeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>em0.512</InterfaceName>
  <InterfaceIndex>17</InterfaceIndex>
  <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterServiceType">
    <EndPointCategory>PTP</EndPointCategory>
    <TrafficType>QINQ Transport single vlan</TrafficType>
    <PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
    <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
    <UNIDescription>rtyrtutyu</UNIDescription>
    <OuterTPID>None</OuterTPID>
    <InnerTPID>None</InnerTPID>
    <UnitId>512</UnitId>
    <VlanId>512</VlanId>
    <CustomerVlanId>1</CustomerVlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Mbps">0</Bandwidth>
    <OutgoingLabel>1000016</OutgoingLabel>
    <IncomingLabel>1000016</IncomingLabel>
  </ServiceEndpointConfiguration>
  <ServiceTemplates/>
</ServiceEndPoint>
  <ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
    <PEDevice_LoopBackIP>30.1.2.1</PEDevice_LoopBackIP>
    <PEDevice_NeighborIP>50.1.2.4</PEDevice_NeighborIP>
  </ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
  <ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterServiceType">
    <MTU>1522</MTU>
    <VCID>2147467265</VCID>
    <VlanNormalization>Normalize to QinQ tags</VlanNormalization>
    <OuterVlanTagToStack>1</OuterVlanTagToStack>
    <InnerVlanTagToStack>1</InnerVlanTagToStack>
  </ServiceParameters>

```

```
<Reference>
  <ServiceOrder
uri="/api/space/nsas/eline-ntp/service-management/service-orders/393569"
href="/api/space/nsas/eline-ntp/service-management/service-orders/393569"
key="393569"/>
  <ServiceDefinition>
  <ServiceDefinitionID
uri="/api/space/nsas/eline-ntp/service-management/service-definitions/393544"
href="/api/space/nsas/eline-ntp/service-management/service-definitions/393544"
key="393544"/>
  </ServiceDefinition>
  <Customer uri="/api/space/nsas/customer-management/customers/525406"
href="/api/space/nsas/customer-management/customers/525406" key="525406"/>
  </Reference>
</Service>
</ServiceResource>
</Data>
```

Get E-Line LDP Service Details with MC-LAG Interfaces By Service ID

This request is used to retrieve the details of a particular Layer 2 Ethernet Private Line (EPL, also called E-Line) LDP service with multichassis link aggregation (MC-LAG) interfaces based on the service ID.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ntp/service-management/ services/<service-Id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. services+xml;version=2 |
| Produces | Collects the details of a specific E-Line LDP service with MC-LAG interfaces. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service key="1540158"
      uri="/api/space/nsas/eline-ptp/service-management/services/1540158"
      href="/api/space/nsas/eline-ptp/service-management/services/1540158">
      <Common>
        <Name>testMCLag_SO_MDFSO_2014-10-1318-55-35.878</Name>
        <Identity>1540158</Identity>
        <State>Deployed</State>
        <CreatedDate>2014-10-14T19:39:16.000+05:30</CreatedDate>
        <LastUpdatedDate>2014-10-14T19:39:16.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>LDP</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
        <SLAStatus>None</SLAStatus>
      </AuditFlag>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="1573073" uri="/api/space/nsas/device-roles/pe-devices/1573073"
            href="/api/space/nsas/device-roles/pe-devices/1573073">
            <DeviceName>embassy</DeviceName>
            <DeviceID>1573073</DeviceID>
            <CMPDeviceID>131226</CMPDeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/0/5.1</InterfaceName>
          <InterfaceIndex>523</InterfaceIndex>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="PTPElineLDPEndPointConfigParameterServiceType">
            <EndPointCategory>PTP</EndPointCategory>
            <TrafficType>DOT1Q Transport single vlan</TrafficType>
            <PhysicalEncapsulation>extended-vlan-ccc</PhysicalEncapsulation>
            <LogicalEncapsulation>extended-vlan-ccc</LogicalEncapsulation>
            <UNIDescription>N/A</UNIDescription>
            <OuterTPID>None</OuterTPID>
            <UnitId>1</UnitId>

```

```

    <VlanId>1</VlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Mbps">0</Bandwidth>
  </ServiceEndpointConfiguration>
  <ServiceTemplates />
</ServiceEndPoint>
<ServiceEndPointGroupParameter
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="PTPServiceEndPointGroupParameterServiceType">
  <PEDevice_LoopBackIP>50.1.1.2.4</PEDevice_LoopBackIP>
  <PEDevice_NeighborIP>30.1.2.1</PEDevice_NeighborIP>
</ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="1572979" uri="/api/space/nsas/device-roles/pe-devices/1572979"

    href="/api/space/nsas/device-roles/pe-devices/1572979">
    <DeviceName>junos-mx240-space</DeviceName>
    <DeviceID>1572979</DeviceID>
    <CMPDeviceID>131185</CMPDeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-0/3/2.1</InterfaceName>
  <InterfaceIndex>705</InterfaceIndex>
  <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="PTPElineLDPEndPointConfigParameterServiceType">
    <EndPointCategory>PTP</EndPointCategory>
    <TrafficType>DOT1Q Transport single vlan</TrafficType>
    <PhysicalEncapsulation>extended-vlan-ccc</PhysicalEncapsulation>
    <LogicalEncapsulation>extended-vlan-ccc</LogicalEncapsulation>
    <UNIDescription>N/A</UNIDescription>
    <OuterTPID>None</OuterTPID>
    <UnitId>1</UnitId>
    <VlanId>1</VlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Mbps">0</Bandwidth>
  </ServiceEndpointConfiguration>
  <ServiceTemplates />
</ServiceEndPoint>

```

```

    <ServiceEndPointGroupParameter
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
      <PEDevice_LoopBackIP>30.1.2.1</PEDevice_LoopBackIP>
      <PEDevice_NeighborIP>50.1.2.4</PEDevice_NeighborIP>
    </ServiceEndPointGroupParameter>
  </ServiceEndPointGroup>
  <ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterServiceType">
    <MTU>1522</MTU>
    <VCID>2147467265</VCID>
    <VlanNormalization>Swap</VlanNormalization>
    <MTUFactor>10</MTUFactor>
    <EnableMCLAG>true</EnableMCLAG>
  </ServiceParameters>
  <Reference>
    <ServiceOrder
      uri="/api/space/nsas/eline-ntp/service-management/service-orders/1540140"

      href="/api/space/nsas/eline-ntp/service-management/service-orders/1540140"

      key="1540140" />
    </ServiceOrder>
  </Reference>
  <ServiceDefinition>
    <ServiceDefinitionID

uri="/api/space/nsas/eline-ntp/service-management/service-definitions/1540096"

href="/api/space/nsas/eline-ntp/service-management/service-definitions/1540096"

      key="1540096" />
    </ServiceDefinitionID>
  </ServiceDefinition>
  <Customer uri="/api/space/nsas/customer-management/customers/1573103"
href="/api/space/nsas/customer-management/customers/1573103" key="1573103"
/>
  </Customer>
</Reference>
</Service>
</ServiceResource>
</Data>

```

Get E-Line LDP Service Details with Pseudowire Redundancy By Service ID

This request is used to retrieve the details of a particular E-Line LDP service with pseudowire redundancy based on the service ID.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ntp/service-management/services/<service-Id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml;version=2 |
| Produces | Collects the details of a specific E-Line LDP service with pseudowire redundancy by service ID. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service
      href="/api/space/nsas/eline-ntp/service-management/services/9895949"
      uri="/api/space/nsas/eline-ntp/service-management/services/9895949"
      key="9895949">
      <Common>
        <Name>REDUN_P2P_LDP_SO</Name>
        <Identity>9895949</Identity>
        <State>Deployed</State>
        <CreatedDate>2013-01-18T12:38:37.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-01-18T12:38:37.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>LDP</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
      </AuditFlag>
      <ServiceEndPointGroup>
        <DeviceInfo>
```

```

<NA href="/api/space/nsas/device-roles/pe-devices/9863222"
uri="/api/space/nsas/device-roles/pe-devices/9863222"
key="9863222">
<DeviceName>exora</DeviceName>
<DeviceID>9863222</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge-0/1/3.1350</InterfaceName>
<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterServiceType">
<EndPointCategory>PTP</EndPointCategory>
<TrafficType>QINQ Transport all traffic</TrafficType>
<PhysicalEncapsulation>flexible-ethernet-services
</PhysicalEncapsulation>
<LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
<UNIDescription>N/A</UNIDescription>
<OuterTPID>None</OuterTPID>
<VlanId>1350</VlanId>
<MTU>1522</MTU>
<Bandwidth unit="Mbps">10</Bandwidth>
</ServiceEndpointConfiguration>
<ServiceTemplates />
</ServiceEndPoint>
<ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
<PEDevice_LoopBackIP>50.1.2.3</PEDevice_LoopBackIP>
<PEDevice_NeighborIP>10.10.10.10</PEDevice_NeighborIP>
</ServiceEndPointGroupParameter>
<BackUpSettings>
<Enable>true</Enable>
<DeviceInfo>
<NA href="/api/space/nsas/device-roles/pe-devices/9863258"
uri="/api/space/nsas/device-roles/pe-devices/9863258"
key="9863258">
<DeviceName>embassy</DeviceName>
<DeviceID>9863258</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>

```

```

<InterfaceName>ge-1/0/4</InterfaceName>
<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterServiceType">
<EndPointCategory>PTP</EndPointCategory>
<MTU>1522</MTU>
<Bandwidth unit="Mbps">10</Bandwidth>
<RevertTime>5</RevertTime>
<SwitchOverDelay>0</SwitchOverDelay>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</BackUpSettings>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DeviceInfo>
<NA href="/api/space/nsas/device-roles/pe-devices/9863247"
uri="/api/space/nsas/device-roles/pe-devices/9863247"
key="9863247">
<DeviceName>jaipur</DeviceName>
<DeviceID>9863247</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge-0/1/2.1350</InterfaceName>
<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterServiceType">
<EndPointCategory>PTP</EndPointCategory>
<TrafficType>QINQ Transport all traffic</TrafficType>
<PhysicalEncapsulation>flexible-ethernet-services
</PhysicalEncapsulation>
<LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
<UNIDescription>N/A</UNIDescription>
<OuterTPID>None</OuterTPID>
<VlanId>1350</VlanId>
<MTU>1522</MTU>
<Bandwidth unit="Mbps">10</Bandwidth>
</ServiceEndpointConfiguration>
<ServiceTemplates />
</ServiceEndPoint>
<ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

```

```

xsi:type="PTPServiceEndpointGroupParameterServiceType">
  <PEDevice_LoopBackIP>10.10.10.10</PEDevice_LoopBackIP>
  <PEDevice_NeighborIP>50.1.2.3</PEDevice_NeighborIP>
</ServiceEndPointGroupParameter>
<BackUpSettings>
  <Enable>true</Enable>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/9863258"
      uri="/api/space/nsas/device-roles/pe-devices/9863258"
      key="9863258">
      <DeviceName>embassy</DeviceName>
      <DeviceID>9863258</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-1/0/4</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="PTPElineLDPEndPointConfigParameterServiceType">
      <EndPointCategory>PTP</EndPointCategory>
      <MTU>1522</MTU>
      <Bandwidth unit="Mbps">10</Bandwidth>
      <RevertTime>5</RevertTime>
      <SwitchOverDelay>0</SwitchOverDelay>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</BackUpSettings>
</ServiceEndPointGroup>
<ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="PTPConfigParameterServiceType">
  <MTU>1522</MTU>
  <VCID>1220</VCID>
</ServiceParameters>
<Reference>
  <ServiceOrder key="9895936"
    href="/api/space/nsas/eline-ptp/service-management/serviceorders/
9895936"
    uri="/api/space/nsas/eline-ptp/service-management/serviceorders/
9895936" />
  <ServiceDefinition>
    <ServiceDefinitionID key="9371780"
      href="/api/space/nsas/eline-ptp/service-management/servicedefinitions/

```

```
9371780"
uri="/api/space/nsas/eline-ptp/service-management/servicedefinitions/
9371780" />
</ServiceDefinition>
<Customer key="819263"
href="/api/space/nsas/customer-management/customers/819263"
uri="/api/space/nsas/customer-management/customers/819263" />
</Reference>
</Service>
</ServiceResource>
</Data>
```

Get E-Line LDP Service Details with Burst Size Calculation By Service ID

This request is used to retrieve the details of a particular Layer 2 Ethernet Private Line (EPL, also called E-Line) LDP service with burst size calculation based on the service ID.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ptp/service-management/ services/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. services+xml;version=2 |
| Produces | Collects the details of a specific E-Line LDP service with burst size calculation. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service key="917541"
uri="/api/space/nsas/eline-ptp/service-management/services/917541"
```

```

href="/api/space/nsas/eline-ptp/service-management/services/917541">
  <Common>
    <Name>P2P_BGP_BurstSizeCal_SO</Name>
    <Identity>917541</Identity>
    <State>Deployed</State>
    <Comments>werwerew</Comments>
    <CreatedDate>2014-09-26T19:01:00.000+05:30</CreatedDate>
    <LastUpdatedDate>2014-09-26T19:01:00.000+05:30</LastUpdatedDate>
  </Common>
  <ServiceType>BGP</ServiceType>
  <AuditFlag>
    <FunctionalAudit>Pending</FunctionalAudit>
    <FaultStatus>None</FaultStatus>
    <SLAStatus>None</SLAStatus>
  </AuditFlag>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA key="558232" uri="/api/space/nsas/device-roles/pe-devices/558232"
href="/api/space/nsas/device-roles/pe-devices/558232">
        <DeviceName>embassy</DeviceName>
        <DeviceID>558232</DeviceID>
        <CMPDeviceID>131158</CMPDeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-1/1/3.1</InterfaceName>
      <InterfaceIndex>534</InterfaceIndex>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterServiceType">
        <EndPointCategory>PTP</EndPointCategory>
        <TrafficType>QINQ Transport single vlan</TrafficType>
        <PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
        <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
        <UNIDescription>retret</UNIDescription>
        <OuterTPID>None</OuterTPID>
        <InnerTPID>None</InnerTPID>
        <UnitId>1</UnitId>
        <VlanId>512</VlanId>
        <CustomerVlanId>2</CustomerVlanId>
        <MTU>1522</MTU>
        <Bandwidth unit="Mbps">10</Bandwidth>

```

```

        </ServiceEndpointConfiguration>
        <ServiceTemplates/>
    </ServiceEndPoint>
    <ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
        <PEDevice_LoopBackIP>50.1.2.4</PEDevice_LoopBackIP>
        <PEDevice_NeighborIP>30.1.2.1</PEDevice_NeighborIP>
    </ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA key="557067" uri="/api/space/nsas/device-roles/pe-devices/557067"
href="/api/space/nsas/device-roles/pe-devices/557067">
            <DeviceName>junos-mx240-space</DeviceName>
            <DeviceID>557067</DeviceID>
            <CMPDeviceID>131116</CMPDeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>lt-0/0/10.512</InterfaceName>
        <InterfaceIndex>556</InterfaceIndex>
    </ServiceEndPointConfiguration>
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPELineBGPEndPointConfigParameterServiceType">
        <EndPointCategory>PTP</EndPointCategory>
        <TrafficType>QINQ Transport single vlan</TrafficType>
        <PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
        <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
        <UNIDescription>erterte</UNIDescription>
        <OuterTPID>None</OuterTPID>
        <InnerTPID>None</InnerTPID>
        <UnitId>512</UnitId>
        <VlanId>512</VlanId>
        <CustomerVlanId>2</CustomerVlanId>
        <MTU>1522</MTU>
        <Bandwidth unit="Mbps">10</Bandwidth>
    </ServiceEndPointConfiguration>
    <ServiceTemplates/>
</ServiceEndPoint>
    <ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

```

```

xsi:type="PTPServiceEndpointGroupParameterServiceType">
  <PEDevice_LoopBackIP>30.1.2.1</PEDevice_LoopBackIP>
  <PEDevice_NeighborIP>50.1.2.4</PEDevice_NeighborIP>
</ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
  <ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterServiceType">
  <RouteTarget>100:5</RouteTarget>
  <RouteDistinguisher>100:15</RouteDistinguisher>
  <VlanNormalization>Normalize to QinQ tags</VlanNormalization>
  <OuterVlanTagToStack>1</OuterVlanTagToStack>
  <InnerVlanTagToStack>1</InnerVlanTagToStack>
  <MTUFactor>35</MTUFactor>
</ServiceParameters>
  <Reference>
  <ServiceOrder
uri="/api/space/nsas/eline-ntp/service-management/service-orders/917528"
href="/api/space/nsas/eline-ntp/service-management/service-orders/917528"
key="917528"/>
    <ServiceDefinition>
    <ServiceDefinitionID
uri="/api/space/nsas/eline-ntp/service-management/service-definitions/917504"
href="/api/space/nsas/eline-ntp/service-management/service-definitions/917504"
key="917504"/>
    </ServiceDefinition>
    <Customer uri="/api/space/nsas/customer-management/customers/558229"
href="/api/space/nsas/customer-management/customers/558229" key="558229"/>
  </Reference>
</Service>
</ServiceResource>
</Data>

```

Get E-Line Service Details with Normalization Support By Service ID

This request is used to retrieve the details of a particular Layer 2 Ethernet Private Line (EPL, also called E-Line) service configured with normalization of VLANs and logical interface unit-handling, based on the service ID.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ntp/service-management/services/<service-Id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml;version=2 |
| Produces | Collects the details of a specific E-Line service configured with normalization of VLANs and logical unit of interfaces. |

Output (VLAN Normalization: Normalize to Q-in-Q tags)

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service href="/api/space/nsas/eline-ntp/service-management/services/2261005"
      uri="/api/space/nsas/eline-ntp/servicemanagement/
services/2261005" key="2261005">
      <Common>
        <Name>BGP_PTP</Name>
        <Identity>2261005</Identity>
        <State>Deployed</State>
        <Comments>
        </Comments>
        <CreateDate>2012-12-17T01:32:09.000+05:30</CreateDate>
        <LastUpdatedDate>2012-12-17T01:32:09.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>BGP</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
      </AuditFlag>
      <ServiceEndPointGroup>
```

```

<DeviceInfo>
<NA href="/api/space/nsas/device-roles/pe-devices/721065"
uri="/api/space/nsas/device-roles/pe-devices/721065" key="721065">
<DeviceName>exora</DeviceName>
<DeviceID>721065</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge-0/0/1.656</InterfaceName>
<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterServiceType">
<EndPointCategory>PTP</EndPointCategory>
<TrafficType>QINQ Transport all traffic</TrafficType>
<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
<LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
<UNIDescription>N/A</UNIDescription>
<UnitId>13</UnitId>
<VlanId>656</VlanId>
<MTU>1522</MTU>
<Bandwidth unit="Mbps">10</Bandwidth>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
<ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
<PEDevice_LoopBackIP>50.1.2.3</PEDevice_LoopBackIP>
<PEDevice_NeighborIP>50.1.2.4</PEDevice_NeighborIP>
</ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DeviceInfo>
<NA href="/api/space/nsas/device-roles/pe-devices/721075"
uri="/api/space/nsas/device-roles/pe-devices/721075" key="721075">
<DeviceName>embassy</DeviceName>
<DeviceID>721075</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>xe-0/0/2.99</InterfaceName>
<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

```

```

xsi:type="PTPElineBGPEndPointConfigParameterServiceType">
  <EndPointCategory>PTP</EndPointCategory>
  <TrafficType>QINQ Transport all traffic</TrafficType>
  <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
  <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
  <UNIDescription>N/A</UNIDescription>
  <UnitId>13</UnitId>
  <VlanId>99</VlanId>
  <MTU>1522</MTU>
  <Bandwidth unit="Mbps">10</Bandwidth>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
<ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
  <PEDevice_LoopBackIP>50.1.2.4</PEDevice_LoopBackIP>
  <PEDevice_NeighborIP>50.1.2.3</PEDevice_NeighborIP>
</ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
<ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterServiceType">
  <VlanNormalization>Normalize to QinQ tags</VlanNormalization>
  <OuterVlanTagToStack>12</OuterVlanTagToStack>
  <InnerVlanTagToStack>13</InnerVlanTagToStack>
</ServiceParameters>
<Reference>
  <ServiceOrder key="2260992"
href="/api/space/nsas/eline-ptp/service-management/service-orders/2260992"
uri="/api/space/nsas/elineptp/
service-management/service-orders/2260992"/>
  <ServiceDefinition>
    <ServiceDefinitionID key="360448"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/360448"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/360448"/>
  </ServiceDefinition>
  <Customer key="720896"
href="/api/space/nsas/customer-management/customers/720896"
uri="/api/space/nsas/customermanagement/
customers/720896"/>
  </Reference>
</Service>
</ServiceResource>

```

```
</Data>
```

Output (VLAN Normalization: Normalize to dot1Q tags)

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service href="/api/space/nsas/eline-ptp/service-management/services/2261005"
      uri="/api/space/nsas/eline-ptp/servicemanagement/
services/2261005" key="2261005">
      <Common>
        <Name>BGP_PTP</Name>
        <Identity>2261005</Identity>
        <State>Deployed</State>
        <Comments>
        </Comments>
        <CreateDate>2012-12-17T01:32:09.000+05:30</CreateDate>
        <LastUpdatedDate>2012-12-17T01:32:09.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>BGP</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
      </AuditFlag>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/device-roles/pe-devices/721065"
            uri="/api/space/nsas/device-roles/pe-devices/721065" key="721065">
            <DeviceName>exora</DeviceName>
            <DeviceID>721065</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/1.656</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
```

```

xsi:type="PTPElineBGPEndPointConfigParameterServiceType">
  <EndPointCategory>PTP</EndPointCategory>
  <TrafficType>QINQ Transport all traffic</TrafficType>
  <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
  <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
  <UNIDescription>N/A</UNIDescription>
  <UnitId>456</UnitId>
  <VlanId>656</VlanId>
  <MTU>1522</MTU>
  <Bandwidth unit="Mbps">10</Bandwidth>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
<ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
  <PEDevice_LoopBackIP>50.1.2.3</PEDevice_LoopBackIP>
  <PEDevice_NeighborIP>50.1.2.4</PEDevice_NeighborIP>
</ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/721075"
uri="/api/space/nsas/device-roles/pe-devices/721075" key="721075">
      <DeviceName>embassy</DeviceName>
      <DeviceID>721075</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>xe-0/0/2.99</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterServiceType">
      <EndPointCategory>PTP</EndPointCategory>
      <TrafficType>QINQ Transport all traffic</TrafficType>
      <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
      <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
      <UNIDescription>N/A</UNIDescription>
      <UnitId>456</UnitId>
      <VlanId>99</VlanId>
      <MTU>1522</MTU>
      <Bandwidth unit="Mbps">10</Bandwidth>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>

```

```

</ServiceEndPoint>
<ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
  <PEDevice_LoopBackIP>50.1.2.4</PEDevice_LoopBackIP>
  <PEDevice_NeighborIP>50.1.2.3</PEDevice_NeighborIP>
</ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
<ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterServiceType">
  <VlanNormalization>Normalize to Dot1q tag</VlanNormalization>
  <VlanTagToStack>1</VlanTagToStack>
</ServiceParameters>
<Reference>
  <ServiceOrder key="2260992"
href="/api/space/nsas/eline-ptp/service-management/service-orders/2260992"
uri="/api/space/nsas/elineptp/
service-management/service-orders/2260992"/>
  <ServiceDefinition>
    <ServiceDefinitionID key="360448"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/360448"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/360448"/>
  </ServiceDefinition>
  <Customer key="720896"
href="/api/space/nsas/customer-management/customers/720896"
uri="/api/space/nsas/customermanagement/
customers/720896"/>
  </Reference>
</Service>
</ServiceResource>
</Data>

```

Get E-Line LDP TDM Service Details with CESoPSN Support By Service ID

This request is used to retrieve the details of a particular EPL or E-Line LDP service configured with time division multiplexed (TDM) Circuit Emulation Service over Packet-Switched Network (CESoPSN), based on the service ID.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ntp/service-management/services/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml;version=2 |
| Produces | Collects the details of a specific E-Line LDP service with TDM CESoPSN configured. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service
href="/api/space/nsas/eline-ntp/service-management/services/393589"
uri="/api/space/nsas/eline-ntp/service-management/services/393589"
key="393589">
      <Common>
        <Name>CESoPSN_SO_Test_Via_API</Name>
        <Identity>393589</Identity>
        <State>Deployed</State>
        <CreatedDate>2014-03-25T11:31:33.000+05:30</CreatedDate>
        <LastUpdatedDate>2014-03-25T11:31:33.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>LDP</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
        <SLAStatus>None</SLAStatus>
      </AuditFlag>
      <ServiceEndPointGroup>
```

```

    <DeviceInfo>
      <NA href="/api/space/nsas/device-roles/pe-devices/590135"
uri="/api/space/nsas/device-roles/pe-devices/590135" key="590135">
        <DeviceName>junos-space2</DeviceName>
        <DeviceID>590135</DeviceID>
        <CMPDeviceID>131150</CMPDeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ds-0/0/3:3.0</InterfaceName>
      <InterfaceIndex>768</InterfaceIndex>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterServiceType">
        <EndPointCategory>PTP</EndPointCategory>
        <TrafficType>Transport using port</TrafficType>
        <PhysicalEncapsulation>cesopsn</PhysicalEncapsulation>
        <UNIDescription>dgfgfdg</UNIDescription>
        <JitterBuffer>5</JitterBuffer>
        <IdlePattern>255</IdlePattern>
        <ExcessPacketLossRate>20</ExcessPacketLossRate>
      </ServiceEndpointConfiguration>
    <ServiceTemplates/>
  </ServiceEndPoint>
  <ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
    <PEDevice_LoopBackIP>30.1.2.8</PEDevice_LoopBackIP>
  </ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/590135"
uri="/api/space/nsas/device-roles/pe-devices/590135" key="590135">
      <DeviceName>junos-space2</DeviceName>
      <DeviceID>590135</DeviceID>
      <CMPDeviceID>131150</CMPDeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ds-0/0/7:3.0</InterfaceName>
    <InterfaceIndex>803</InterfaceIndex>

```

```

    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterServiceType">
    <EndPointCategory>PTP</EndPointCategory>
    <TrafficType>Transport using port</TrafficType>
    <PhysicalEncapsulation>cesopsn</PhysicalEncapsulation>
    <UNIDescription>fghhghf</UNIDescription>
    <JitterBuffer>5</JitterBuffer>
    <IdlePattern>255</IdlePattern>
    <ExcessPacketLossRate>20</ExcessPacketLossRate>
    </ServiceEndpointConfiguration>
    <ServiceTemplates/>
    </ServiceEndPoint>
    <ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndPointGroupParameterServiceType">
    <PEDevice_LoopBackIP>30.1.2.8</PEDevice_LoopBackIP>
    </ServiceEndPointGroupParameter>
    </ServiceEndPointGroup>
    <ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMConfigParameterServiceType"/>
    <Reference>
    <ServiceOrder key="393581"
href="/api/space/nsas/eline-ptp/service-management/service-orders/393581"
uri="/api/space/nsas/eline-ptp/service-management/service-orders/393581"/>
    <ServiceDefinition>
    <ServiceDefinitionID key="393544"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/393544"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/393544"/>

    </ServiceDefinition>
    <Customer key="589824"
href="/api/space/nsas/customer-management/customers/589824"
uri="/api/space/nsas/customer-management/customers/589824"/>
    </Reference>
    </Service>
    </ServiceResource>
    </Data>

```

Get E-Line LDP TDM Service Details with Multi-Segment Pseudowire By Service ID

This request is used to retrieve the details of a particular E-Line LDP service configured that contains TDM interfaces with multi-segment pseudowires for E-Line LDP TDM, based on the service ID.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ntp/service-management/services/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml;version=2 |
| Produces | Collects the details of a specific E-Line LDP service with TDM interfaces and a multi-segment pseudowire. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
      <Service key="3604602"
uri="/api/space/nsas/eline-ntp/service-management/services/3604602"
href="/api/space/nsas/eline-ntp/service-management/services/3604602">
        <Common>
          <Name>TDM_SO</Name>
          <Identity>3604602</Identity>
          <State>Deployed</State>
          <Comments>dgfdgdfgfd</Comments>
          <CreatedDate>2014-10-21T10:41:19.000+05:30</CreatedDate>
          <LastUpdatedDate>2014-10-21T10:41:19.000+05:30</LastUpdatedDate>
        </Common>
        <ServiceType>LDP</ServiceType>
        <AuditFlag>
          <FunctionalAudit>Pending</FunctionalAudit>
          <FaultStatus>None</FaultStatus>
          <SLAStatus>None</SLAStatus>
        </AuditFlag>
        <ServiceEndPointGroup>
          <DeviceInfo>
```

```

    <NA key="525348" uri="/api/space/nsas/device-roles/pe-devices/525348"
href="/api/space/nsas/device-roles/pe-devices/525348">
    <DeviceName>junos-space5</DeviceName>
    <DeviceID>525348</DeviceID>
    <CMPDeviceID>131125</CMPDeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>t1-0/0/1.0</InterfaceName>
    <InterfaceIndex>591</InterfaceIndex>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterServiceType">
      <EndPointCategory>PTP</EndPointCategory>
      <TrafficType>Transport using port</TrafficType>
      <PhysicalEncapsulation>satop</PhysicalEncapsulation>
      <UNIDescription>N/A</UNIDescription>
      <JitterBuffer>5</JitterBuffer>
      <IdlePattern>255</IdlePattern>
      <ExcessPacketLossRate>20</ExcessPacketLossRate>
      <PayloadSize>192</PayloadSize>
    </ServiceEndpointConfiguration>
    <ServiceTemplates/>
  </ServiceEndPoint>
  <ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
    <PEDevice_LoopBackIP>2.3.3.3</PEDevice_LoopBackIP>
    <PEDevice_NeighborIP>30.1.2.9</PEDevice_NeighborIP>
  </ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="525406" uri="/api/space/nsas/device-roles/pe-devices/525406"
href="/api/space/nsas/device-roles/pe-devices/525406">
    <DeviceName>junos-space3</DeviceName>
    <DeviceID>525406</DeviceID>
    <CMPDeviceID>131145</CMPDeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>iw0.23</InterfaceName>

```

```

    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterServiceType">
    <EndPointCategory>PTP</EndPointCategory>
    <TrafficType>Transport using port</TrafficType>
    <PhysicalEncapsulation>satop</PhysicalEncapsulation>
    <StitchingUnit>23</StitchingUnit>
    <UNIDescription>N/A</UNIDescription>
    <JitterBuffer>5</JitterBuffer>
    <IdlePattern>255</IdlePattern>
    <ExcessPacketLossRate>20</ExcessPacketLossRate>
    <PayloadSize>192</PayloadSize>
    <StitchedPWSegment>
        <TPEDevice>junos-space5</TPEDevice>
        <PeerUnitName>46</PeerUnitName>
        <Interface>t1-0/0/3</Interface>
        <VlanId>0</VlanId>
        <VCID>2147467288</VCID>
    </StitchedPWSegment>
</ServiceEndpointConfiguration>
<ServiceTemplates/>
</ServiceEndPoint>
<ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
    <PEDevice_LoopBackIP>30.1.2.9</PEDevice_LoopBackIP>
    <PEDevice_NeighborIP>2.3.3.3</PEDevice_NeighborIP>
</ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA key="525406" uri="/api/space/nsas/device-roles/pe-devices/525406"
href="/api/space/nsas/device-roles/pe-devices/525406">
            <DeviceName>junos-space3</DeviceName>
            <DeviceID>525406</DeviceID>
            <CMPDeviceID>131145</CMPDeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
    <PEDevice_LoopBackIP>30.1.2.9</PEDevice_LoopBackIP>

```

```
<PEDevice_NeighborIP>2.3.3.3</PEDevice_NeighborIP>
</ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
<ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMConfigParameterServiceType">
  <MTU>1522</MTU>
  <VCID>2147467288</VCID>
  <VlanNormalization>Swap</VlanNormalization>
</ServiceParameters>
<Reference>
  <ServiceOrder
uri="/api/space/nsas/eline-ptp/service-management/service-orders/3604584"
href="/api/space/nsas/eline-ptp/service-management/service-orders/3604584"
key="3604584"/>
    <ServiceDefinition>
      <ServiceDefinitionID
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/3407971"

href="/api/space/nsas/eline-ptp/service-management/service-definitions/3407971"
key="3407971"/>
    </ServiceDefinition>
    <Customer uri="/api/space/nsas/customer-management/customers/525426"
href="/api/space/nsas/customer-management/customers/525426" key="525426"/>
    </Reference>
  </Service>
</ServiceResource>
</Data>
```

Get E-Line LDP ATM Service Details with Multi-Segment Pseudowire By Service ID

This request is used to retrieve the details of a particular E-Line LDP service configured that contains ATM interfaces with multi-segment pseudowires for E-Line LDP ATM, based on the service ID.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ptp/service-management/services/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml;version=2 |

Produces

Collects the details of a specific E-Line LDP service with ATM interfaces and a multi-segment pseudowire.

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service key="3604613"
uri="/api/space/nsas/eline-ptp/service-management/services/3604613"
href="/api/space/nsas/eline-ptp/service-management/services/3604613">
      <Common>
        <Name>ATM_SO</Name>
        <Identity>3604613</Identity>
        <State>Deployed</State>
        <Comments>dgfgd</Comments>
        <CreatedDate>2014-10-21T10:41:32.000+05:30</CreatedDate>
        <LastUpdatedDate>2014-10-21T10:41:32.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>LDP</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
        <SLAStatus>None</SLAStatus>
      </AuditFlag>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="525348" uri="/api/space/nsas/device-roles/pe-devices/525348"
href="/api/space/nsas/device-roles/pe-devices/525348">
            <DeviceName>junos-space5</DeviceName>
            <DeviceID>525348</DeviceID>
            <CMPDeviceID>131125</CMPDeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>at-0/0/7.1531</InterfaceName>
          <InterfaceIndex>616</InterfaceIndex>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </Service>
  </ServiceResource>
</Data>
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterServiceType">
```

```

    <EndPointCategory>PTP</EndPointCategory>
    <PhysicalEncapsulation>atm-ccc-cell-relay</PhysicalEncapsulation>
    <LogicalEncapsulation>N/A</LogicalEncapsulation>
    <UNIDescription>dfgfgfdgfd</UNIDescription>
    <VPI>34</VPI>
    <VCI>45</VCI>
    <CellBundleSize>1</CellBundleSize>
  </ServiceEndpointConfiguration>
  <ServiceTemplates/>
</ServiceEndPoint>
<ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
  <PEDevice_LoopBackIP>2.3.3.3</PEDevice_LoopBackIP>
  <PEDevice_NeighborIP>30.1.2.9</PEDevice_NeighborIP>
</ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="525406" uri="/api/space/nsas/device-roles/pe-devices/525406"
href="/api/space/nsas/device-roles/pe-devices/525406">
      <DeviceName>junos-space3</DeviceName>
      <DeviceID>525406</DeviceID>
      <CMPDeviceID>131145</CMPDeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>iw0.56</InterfaceName>
  <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterServiceType">
    <EndPointCategory>PTP</EndPointCategory>
    <PhysicalEncapsulation>atm-ccc-cell-relay</PhysicalEncapsulation>
    <LogicalEncapsulation>N/A</LogicalEncapsulation>
    <StitchingUnit>56</StitchingUnit>
    <UNIDescription>dsfdsgfg</UNIDescription>
    <VPI>34</VPI>
    <VCI>45</VCI>
    <CellBundleSize>1</CellBundleSize>
    <StitchedPWSegment>
      <TPEDevice>fortius-f4000-a</TPEDevice>
      <PeerUnitName>67</PeerUnitName>
    </StitchedPWSegment>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>

```

```

    <Interface>at-1/1/2:1</Interface>
    <VlanId>0</VlanId>
    <VCID>2147467290</VCID>
  </StitchedPWSegment>
</ServiceEndpointConfiguration>
<ServiceTemplates/>
</ServiceEndPoint>
  <ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndPointGroupParameterServiceType">
    <PEDevice_LoopBackIP>30.1.2.9</PEDevice_LoopBackIP>
    <PEDevice_NeighborIP>2.3.3.3</PEDevice_NeighborIP>
  </ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
  <ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMConfigParameterServiceType">
    <MTU>1522</MTU>
    <VCID>2147467290</VCID>
    <VlanNormalization>Swap</VlanNormalization>
  </ServiceParameters>
  <Reference>
    <ServiceOrder
uri="/api/space/nsas/eline-ptp/service-management/service-orders/3604593"
href="/api/space/nsas/eline-ptp/service-management/service-orders/3604593"
key="3604593"/>
      <ServiceDefinition>
        <ServiceDefinitionID
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/3407991"

href="/api/space/nsas/eline-ptp/service-management/service-definitions/3407991"
key="3407991"/>
          </ServiceDefinition>
          <Customer uri="/api/space/nsas/customer-management/customers/525426"
href="/api/space/nsas/customer-management/customers/525426" key="525426"/>
        </Reference>
      </Service>
    </ServiceResource>
  </Data>

```

Stitch an E-Line LDP Service with Multi-Segment Pseudowire

This request is used to stitch an E-Line LDP service with multi-segment pseudowires.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ntp/service-management/services/<service-Id> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.stitching-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml;version=2 |
| Produces | Stitches an E-Line LDP service with multi-segment pseudowires. |

Input

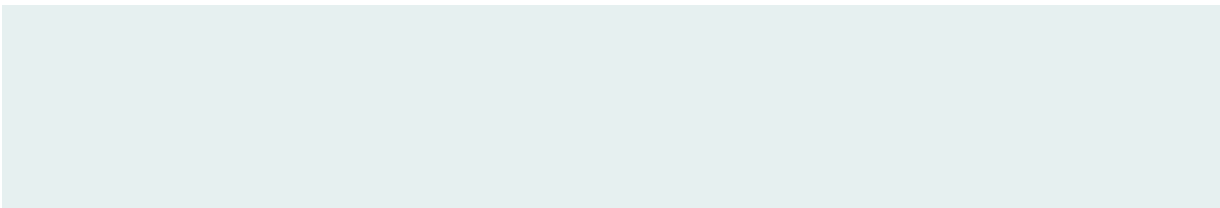
Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>P2P_PortToport_Stitch_API</Name>
        <Comments>werwer</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junos-space3</DeviceName>
            <DeviceID>525406</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>iw0</InterfaceName>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>
</Data>
```

```

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
    <PEDevLoopBackIP>30.1.2.9</PEDevLoopBackIP>
    <StitchingUnit>17</StitchingUnit>
    <PeerStitchingUnit>38</PeerStitchingUnit>
    <UNIDescription>dgfdg</UNIDescription>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
    <ServiceEndPointGroup>
<DeviceInfo>
    <NA>
        <DeviceName>junos-mx80-1-space</DeviceName>
        <DeviceID>524381</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge-1/1/6</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
    <PEDevLoopBackIP>50.1.2.4</PEDevLoopBackIP>
    <UNIDescription>sdfdfg</UNIDescription>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
    <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
    <VlanNormalization>Normalization not
required</VlanNormalization>
</ServiceOrderParameter>
    <Reference>
        <Customer key="525426"/>
    <ServiceDefinition>
    <ServiceDefinitionID key="393544"/>
    </ServiceDefinition>
    <Service key="393574"/>
    </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```



Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>3407938</Value>
    </Identity>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>3932249</Value>
    </Identity>
    <Job>
      <ID>1081452</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Stitched Successfully and Validation is in Progress.
Please check the status using the JOB ID.</Message>
  </Status>
</Data>
```

Stitch an E-Line LDP TDM Service with Multi-Segment Pseudowire

This request is used to stitch an E-Line LDP TDM service with multi-segment pseudowires.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/ services/<service-Id> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.stitching-service+xml;version=2;charset=UTF-8 |

| | |
|----------|---|
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml;version=2 |
| Produces | Stitches an E-Line LDP TDM service with multi-segment pseudowires. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>TDM_Stitching_API</Name>
        <Comments>fdgfdgdfgd</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="525406" uri="/api/space/nsas/device-roles/pe-devices/525406"
href="/api/space/nsas/device-roles/pe-devices/525406">
            <DeviceName>junos-space3</DeviceName>
            <DeviceID>525406</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>iw0</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
            <TrafficType>Transport using port</TrafficType>
            <PhysicalEncapsulation>SATOP</PhysicalEncapsulation>
            <StitchingUnit>157</StitchingUnit>
            <PeerStitchingUnit>169</PeerStitchingUnit>
            <UNIDescription>N/A</UNIDescription>
            <JitterBuffer>5</JitterBuffer>
            <IdlePattern>255</IdlePattern>
            <ExcessPacketLossRate>20</ExcessPacketLossRate>
```

```

    <PayloadSize>192</PayloadSize>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="525348" uri="/api/space/nsas/device-roles/pe-devices/525348"
href="/api/space/nsas/device-roles/pe-devices/525348">
      <DeviceName>junos-space5</DeviceName>
      <DeviceID>525348</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>t1-0/0/0</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
      <EndPointCategory>PTP</EndPointCategory>
      <TrafficType>Transport using port</TrafficType>
      <PhysicalEncapsulation>SATOP</PhysicalEncapsulation>
      <UNIDescription>sdtgfdgfhfd</UNIDescription>
      <JitterBuffer>5</JitterBuffer>
      <IdlePattern>255</IdlePattern>
      <ExcessPacketLossRate>20</ExcessPacketLossRate>
      <PayloadSize>192</PayloadSize>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
  <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMConfigParameterOrderType">
    <VlanNormalization>Swap</VlanNormalization>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="525426"/>
    <ServiceDefinition>
      <ServiceDefinitionID key="3407971"/>
    </ServiceDefinition>
    <Service key="3604633"/>
  </Reference>
</ServiceOrder>
</ServiceResource>

```

```
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
      <Identity>
        <Type>Service</Type>
        <Value>3604602</Value>
      </Identity>
      <Identity>
        <Type>ServiceOrder</Type>
        <Value>3932271</Value>
      </Identity>
      <Job>
        <ID>1081461</ID>
        <Status>INPROGRESS</Status>
      </Job>
      <Code>200</Code>
      <Message>The Service Stitched Successfully and Validation is in Progress.
Please check the status using the JOB ID.</Message>
    </Status>
  </Data>
```

Stitch an E-Line LDP ATM Service with Multi-Segment Pseudowire

This request is used to stitch an E-Line LDP ATM service with multi-segment pseudowires.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ptp/service-management/ services/<service-Id> |
| HTTP Method | POST |

| | |
|--------------|--|
| Content-Type | application/vnd.net.juniper.space.service-management.stitching-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml;version=2 |
| Produces | Stitches an E-Line LDP ATM service with multi-segment pseudowires. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>ATM_Stitching_API</Name>
        <Comments>dfg</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="525406" uri="/api/space/nsas/device-roles/pe-devices/525406"
href="/api/space/nsas/device-roles/pe-devices/525406">
            <DeviceName>junos-space3</DeviceName>
            <DeviceID>525406</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>iw0</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
            <PhysicalEncapsulation>atm-ccc-cell-relay</PhysicalEncapsulation>
            <StitchingUnit>196</StitchingUnit>
          <PeerStitchingUnit>199</PeerStitchingUnit>
          <UNIDescription>dsfdsgfg</UNIDescription>
          <CellBundleSize>1</CellBundleSize>
        </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>
</Data>
```

```

    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="525378" uri="/api/space/nsas/device-roles/pe-devices/525378"
href="/api/space/nsas/device-roles/pe-devices/525378">
      <DeviceName>fortius-f4000-a</DeviceName>
      <DeviceID>525378</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>at-1/1/3:1</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterOrderType">
      <EndPointCategory>PTP</EndPointCategory>
      <PhysicalEncapsulation>atm-ccc-cell-relay</PhysicalEncapsulation>
      <UNIDescription>erteter</UNIDescription>
      <CellBundleSize>1</CellBundleSize>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMConfigParameterOrderType">
  <VlanNormalization>Swap</VlanNormalization>
</ServiceOrderParameter>
<Reference>
  <Customer key="525426" />
  <ServiceDefinition>
    <ServiceDefinitionID key="3407991" />
  </ServiceDefinition>
  <Service key="3604655" />
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>3604613</Value>
    </Identity>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>3932280</Value>
    </Identity>
    <Job>
      <ID>1081467</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Stitched Successfully and Validation is in Progress.
Please check the status using the JOB ID.</Message>
  </Status>
</Data>
```

Modify an E-Line LDP Service with Pseudowire Redundancy

This request is used to modify an E-Line LDP service with pseudowire redundancy. You cannot edit MC-LAG interface settings when you modify a service.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/services/{service-Id} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.modify-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml;version=2 |
| Produces | Modifies an E-Line LDP service with pseudowire redundancy. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>REDUN_P2P_LDP_SO_Modify</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>exora</DeviceName>
            <DeviceID>9863222</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/1/3</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
            <MTU>1522</MTU>
            <Bandwidth unit="Mbps">10</Bandwidth>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
        <BackUpSettings>
          <Enable>true</Enable>
        </BackUpSettings>
        <DeviceInfo>
          <NA>
            <DeviceName>embassy</DeviceName>
            <DeviceID>9863258</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/0/4</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
            <MTU>1522</MTU>
```

```

<Bandwidth unit="Mbps">10</Bandwidth>
<RevertTime>55</RevertTime>
<SwitchOverDelay>99</SwitchOverDelay>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</BackUpSettings>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DeviceInfo>
<NA>
<DeviceName>jaipur</DeviceName>
<DeviceID>9863247</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge-0/1/2</InterfaceName>
<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
<MTU>1522</MTU>
<Bandwidth unit="Mbps">10</Bandwidth>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
<MTU>1522</MTU>
<VCID>1229</VCID>
</ServiceOrderParameter>
<Reference>
<Customer key="819263"
href="/api/space/nsas/customer-management/customers/819263"
uri="/api/space/nsas/customermanagement/
customers/819263" />
<ServiceDefinition>
<ServiceDefinitionID key="9371780"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/9371780"
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/9371780"
/>
</ServiceDefinition>
<Service key="9895949"
href="/api/space/nsas/eline-ptp/service-management/services/9895949"

```

```
uri="/api/space/nsas/eline-ptp/service-management/services/9895949" />
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>9895949</Value>
    </Identity>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>10846226</Value>
    </Identity>
    <Job>
      <ID>3604500</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Modified Successfully and Validation is in
    Progress. Please check the status using the JOB ID.</Message>
  </Status>
</Data>
```

Modify an E-Line LDP TDM Service with CESoPSN Support for E-Line

This request is used to modify an E-Line LDP TDM service configured with CESoPSN for E-Line.

| | |
|-----|---|
| URI | api/space/nsas/eline-ptp/service-management/services/ |
|-----|---|

| | |
|--------------|---|
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.modify-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml;version=2 |
| Produces | Modifies an E-Line LDP TDM service with CESoPSN for E-Line. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>CESoPSN_SO_Modify_Test_Via_API</Name>
      </Common>
      <ServiceType>LDP</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
        <SLAStatus>None</SLAStatus>
      </AuditFlag>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/device-roles/pe-devices/590135"
uri="/api/space/nsas/device-roles/pe-devices/590135" key="590135">
            <DeviceName>junos-space2</DeviceName>
            <DeviceID>590135</DeviceID>
            <CMPDeviceID>131150</CMPDeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ds-0/0/3:3.0</InterfaceName>
          <InterfaceIndex>768</InterfaceIndex>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
```

```

        <JitterBuffer>5</JitterBuffer>
        <IdlePattern>255</IdlePattern>
        <ExcessPacketLossRate>20</ExcessPacketLossRate>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
    <ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
        <PEDevice_LoopBackIP>30.1.2.8</PEDevice_LoopBackIP>
    </ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
    <ServiceEndPointGroup>
        <DeviceInfo>
            <NA href="/api/space/nsas/device-roles/pe-devices/590135"
uri="/api/space/nsas/device-roles/pe-devices/590135" key="590135">
                <DeviceName>junos-space2</DeviceName>
                <DeviceID>590135</DeviceID>
                <CMPDeviceID>131150</CMPDeviceID>
            </NA>
        </DeviceInfo>
        <ServiceEndPoint>
            <InterfaceName>ds-0/0/7:3.0</InterfaceName>
            <InterfaceIndex>803</InterfaceIndex>
            <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
                <JitterBuffer>5</JitterBuffer>
                <IdlePattern>255</IdlePattern>
                <ExcessPacketLossRate>20</ExcessPacketLossRate>
            </ServiceEndpointConfiguration>
        </ServiceEndPoint>
        <ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
            <PEDevice_LoopBackIP>30.1.2.8</PEDevice_LoopBackIP>
        </ServiceEndPointGroupParameter>
    </ServiceEndPointGroup>
    <ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMConfigParameterOrderType"/>
    </ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>393589</Value>
    </Identity>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>393599</Value>
    </Identity>
    <Job>
      <ID>131119</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Modified Successfully and Validation is in Progress.
Please check the status using the JOB ID.</Message>
  </Status>
</Data>
```

Modify an E-Line LDP Service

This request is used to modify an E-Line LDP service. You cannot modify MC-LAG settings while you modify a service.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/services/{service-Id} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.modify-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml;version=2 |
| Produces | Modifies an E-Line LDP service. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>P2PSERVICE_modified</Name>
        <Comments>New Schema</Comments>
      </Common>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <NA>
          <DeviceName>embassy</DeviceName>
          <DeviceID>2392175</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-1/2/8</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
          <Bandwidth unit="Mbps">70</Bandwidth>
        </ServiceEndpointConfiguration>
      </ServiceEndPoint>
    </ServiceEndPointGroup>
  </ServiceOrder>
</ServiceResource>
</Data>
```

```

        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA>
        <DeviceName>exora</DeviceName>
        <DeviceID>2392220</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-1/2/8</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
            <Bandwidth unit="Mbps">90</Bandwidth>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
    </ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceCustomActionType">
    <Action>SaveAndDeployNow</Action>
</CustomAction>
</Data>

```

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
        <Identity>
            <Type>Service</Type>
            <Value>3964937</Value>
        </Identity>
        <Identity>
            <Type>ServiceOrder</Type>

```

```
<Value>3964948</Value>
</Identity>
<Job>
  <ID>1474600</ID>
  <Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>The Service Modified Successfully and Validation is in Progress.
Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Modify an E-Line LDP Service with Static Pseudowire

This request is used to modify an E-Line LDP service with static pseudowires.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/services/{service-Id} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.modify-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml;version=2 |
| Produces | Modifies an E-Line LDP service with static pseudowires. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>P2P_LDP_E_SPW_Modify_Service_08</Name>
        <Comments>fdgdfgdf</Comments>
```

```

    </Common>
    <ServiceType>Point-to-Point Pseudowire</ServiceType>
    <Signaling>LDP</Signaling>
    <Action>Provisioning</Action>
    <ServiceEndPointGroup>
    <DeviceInfo>
    <NA key="524440" uri="/api/space/nsas/device-roles/pe-devices/524440"
href="/api/space/nsas/device-roles/pe-devices/524440">
        <DeviceName>embassy</DeviceName>
        <DeviceID>524440</DeviceID>
    </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-1/0/7</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
            <UNIDescription>hgfh</UNIDescription>
            <CustomerVlanId>1</CustomerVlanId>
            <OutgoingLabel>1000016</OutgoingLabel>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DeviceInfo>
    <NA key="524296" uri="/api/space/nsas/device-roles/pe-devices/524296"
href="/api/space/nsas/device-roles/pe-devices/524296">
        <DeviceName>junos-mx240-space</DeviceName>
        <DeviceID>524296</DeviceID>
    </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>em0</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
            <UNIDescription>rtyrtutyu</UNIDescription>
            <CustomerVlanId>1</CustomerVlanId>
            <OutgoingLabel>1000016</OutgoingLabel>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>

```

```

        <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
    <VlanNormalization>Normalize to QinQ tags</VlanNormalization>
    </ServiceOrderParameter>
    </ServiceOrder>
    </ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceCustomActionType">
    <Action>SaveAndDeployNow</Action>
</CustomAction>
    </Data>

```

Output

Sample XML Output

```

    <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
    <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
    <Identity>
    <Type>Service</Type>
    <Value>393578</Value>
    </Identity>
    <Identity>
    <Type>ServiceOrder</Type>
    <Value>852094</Value>
    </Identity>
    <Job>
    <ID>294935</ID>
    <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Order Modified Successfully and Deployment is in
Progress. Please check the status using the JOB ID.</Message>
    </Status>

```

```
</Data>
```

Modify an E-Line LDP Service

This request is used to modify an E-Line LDP service.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/services/{service-Id} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.modify-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml;version=2 |
| Produces | Modifies an E-Line LDP service. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>BGP_QinQ_API</Name>
      </Common>

      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="786568" uri="/api/space/nsas/device-roles/pe-devices/786568"
            href="/api/space/nsas/device-roles/pe-devices/786568">
            <DeviceName>junos-mx80-1-space</DeviceName>
            <DeviceID>786568</DeviceID>
```

```

        <CMPDeviceID>622660</CMPDeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge-1/1/0</InterfaceName>
    <InterfaceIndex>522</InterfaceIndex>
    <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
        <UNIDescription>A</UNIDescription>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA key="786568" uri="/api/space/nsas/device-roles/pe-devices/786568"
            href="/api/space/nsas/device-roles/pe-devices/786568">
        <DeviceName>junos-mx80-1-space</DeviceName>
        <DeviceID>786568</DeviceID>
        <CMPDeviceID>622660</CMPDeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-1/3/0</InterfaceName>
        <InterfaceIndex>542</InterfaceIndex>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
            <UNIDescription>B</UNIDescription>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>950332</Value>
    </Identity>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>1245196</Value>
    </Identity>
    <Job>
      <ID>458781</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Modified Successfully and Validation is in
      Progress. Please check the status using the JOB ID.</Message>
    </Status>
  </Data>
```

Modify an E-Line LDP TDM Service with MC-APS

This request is used to modify a previously configured E-Line LDP TDM service with multichassis automatic protection switching (MC-APS) specified.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ntp/service-management/ services/{service-Id} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.modify-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml;version=2 |
| Produces | Modifies an E-Line LDP service with ATM interfaces and multi-segment pseudowires. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>P2P_LDP_TDM_ModifyService_API</Name>
        <Comments>dfsdf</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="558264" uri="/api/space/nsas/device-roles/pe-devices/558264"
href="/api/space/nsas/device-roles/pe-devices/558264">
            <DeviceName>junos-space3</DeviceName>
            <DeviceID>558264</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>t1-0/0/1</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
            <UNIDescription>dfgdgfd</UNIDescription>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
        <BackUpSettings>
          <Enable>true</Enable>
          <DeviceInfo>
            <NA key="558264" uri="/api/space/nsas/device-roles/pe-devices/558264"
href="/api/space/nsas/device-roles/pe-devices/558264">
              <DeviceName>junos-space3</DeviceName>
              <DeviceID>558264</DeviceID>
            </NA>
          </DeviceInfo>
          <ServiceEndPoint>
            <InterfaceName>t1-0/0/0</InterfaceName>
            <ServiceEndpointConfiguration
```

```

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
  </ServiceEndPointConfiguration>
  <Description>dfgdgfd</Description>
  </ServiceEndPoint>
  </BackUpSettings>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="558202" uri="/api/space/nsas/device-roles/pe-devices/558202"
href="/api/space/nsas/device-roles/pe-devices/558202">
      <DeviceName>fortius-f2100-b</DeviceName>
      <DeviceID>558202</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>t1-0/0/7</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
      <EndPointCategory>PTP</EndPointCategory>
      <UNIDescription>adsafds</UNIDescription>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
  <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMConfigParameterOrderType">
    <EnableMCAPS>true</EnableMCAPS>
  </ServiceOrderParameter>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>

```

```
<Identity>
  <Type>Service</Type>
  <Value>2064425</Value>
</Identity>
<Identity>
  <Type>ServiceOrder</Type>
  <Value>2064589</Value>
</Identity>
<Job>
  <ID>524544</ID>
  <Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>The Service Modified Successfully and Validation is in Progress.
Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Clone an E-Line LDP Service with Static Pseudowire for E-Line

This request is used to clone an E-Line LDP service with static pseudowires for E-Line.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/ services/clone/<serviceld> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.clone-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml;version=2 |
| Produces | Clones an E-Line LDP service with static pseudowires for E-Line. |

NOTE: To clone services, for elements in <ServiceEndPoint>, the following list of elements is not allowed in <ServiceEndPoint>

- TrafficType
- PhysicalEncapsulation
- LogicalEncapsulation
- CellBundleSize
- OutGoingLabel
- JitterBuffer
- IdlePattern
- PayloadSize
- ExcessivePacketLossRate

If you enter any of the preceding elements for <ServiceEndPoint>, an appropriate error message is displayed.

Also, ServiceDefinition must not be provided in the <Reference> tag; this value is ignored because it must be the same as the service you are cloning.

Similarly, you cannot specify a different customer while cloning a service because the same <Reference> tag that is used for creating a service is used in cloning a service. As a result, the same customer during service creation is used and a you cannot provide different customer in the clone request.

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource>
<ServiceOrder>
<Common>
  <Name>P2P_LDP_E_SPW_Clone_Service_API</Name>
  <Comments>fdgdfgdf</Comments>
</Common>
<ServiceType>Point-to-Point Pseudowire</ServiceType>
<Signaling>LDP</Signaling>
```

```

    <Action>Provisioning</Action>
    <ServiceEndPointGroup>
    <DeviceInfo>
    <NA key="524440" uri="/api/space/nsas/device-roles/pe-devices/524440"
href="/api/space/nsas/device-roles/pe-devices/524440">
        <DeviceName>embassy</DeviceName>
        <DeviceID>524440</DeviceID>
    </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-1/0/7</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
            <UNIDescription>hgfh</UNIDescription>
            <VlanId>540</VlanId>
            <CustomerVlanId>1</CustomerVlanId>
            <OutgoingLabel>1000020</OutgoingLabel>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DeviceInfo>
    <NA key="524296" uri="/api/space/nsas/device-roles/pe-devices/524296"
href="/api/space/nsas/device-roles/pe-devices/524296">
        <DeviceName>junos-mx240-space</DeviceName>
        <DeviceID>524296</DeviceID>
    </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>em0</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
            <UNIDescription>rtyrtuty</UNIDescription>
            <VlanId>540</VlanId>
            <CustomerVlanId>1</CustomerVlanId>
            <OutgoingLabel>1000020</OutgoingLabel>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter

```

```

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
  <VCID>235613</VCID>
  <VlanNormalization>Normalize to QinQ tags</VlanNormalization>
    <OuterVlanTagToStack>1</OuterVlanTagToStack>
    <InnerVlanTagToStack>1</InnerVlanTagToStack>
  </ServiceOrderParameter>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceCustomActionType">
  <Action>SaveAndDeployNow</Action>
</CustomAction>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>852111</Value>
    </Identity>
    <Code>200</Code>
    <Message>The Service Order was created Successfully and Deployment is in
Progress. Please check the status using the JOB ID. :</Message>
  </Status>
  <Status>
    <Job>
      <ID>294943</ID>
      <Status>INPROGRESS</Status>
    </Job>
  </Status>
</Data>

```

Clone an E-Line Service

This request is used to clone an E-Line service.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/ services/clone/<serviceId> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.clone-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml;version=2 |
| Produces | Clones an E-Line service. |

NOTE: To clone services, for elements in <ServiceEndPoint>, the following list of elements is not allowed in <ServiceEndPoint>

- TrafficType
- PhysicalEncapsulation
- LogicalEncapsulation
- CellBundleSize
- OutGoingLabel
- JitterBuffer
- IdlePattern
- PayloadSize
- ExcessivePacketLossRate

If you enter any of the preceding elements for <ServiceEndPoint>, an appropriate error message is displayed.

Also, ServiceDefinition must not be provided in the <Reference> tag; this value is ignored because it must be the same as the service you are cloning.

Similarly, you cannot specify a different customer while cloning a service because the same <Reference> tag that is used for creating a service is used in cloning a service. As a result, the same customer during service creation is used and a you cannot provide different customer in the clone request.

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>Eline_Test_505_Clone_1</Name>
        <Comments>P2P service order</Comments>
      </Common>
    <ServiceEndPointGroup>
```



```
</CustomAction>
</Data>
```

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>3964937</Value>
    </Identity>
    <Job>
      <ID>1474600</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Created Successfully.</Message>
  </Status>
</Data>
```

Force-Deploy an E-Line Service

This request is used to forcibly deploy a previously created E-Line service.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/services/{serviceId} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.modify-service+xml |

| | |
|----------|---|
| Consumes | <p>application/vnd.net.juniper.space.service-management.service-status+xml</p> <p>The options must be specified in the Action Element inside OperationSpecificData. The various options are as follows:</p> <ul style="list-style-type: none">• DeployNow• DeployLater |
| Produces | Forcibly deploys a previously created E-Line service. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
xmlns:xsi=?http://www.w3.org/2001/XMLSchema-instance">
<CustomAction xsi:type="ServiceCustomActionType">
<Action>DeployLater</Action>
<ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
</CustomAction>
</Data>
```

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<Status>
<Identity>
<Type>Service</Type>
<Value>3964937</Value>
</Identity>
<Identity>
<Type>ServiceOrder</Type>
<Value>3964948</Value>
</Identity>
<Job>
<ID>1474600</ID>
<Status>INPROGRESS</Status>
```

```
</Job>
<Code>200</Code>
<Message>Service Force Deploy was Successfully triggered.
Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Force-Deploy an E-Line LDP Service

This request is used to forcibly deploy a previously created E-Line LDP service.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/ services/{serviceId} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. modify-service+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml The options must be specified in the Action Element inside OperationSpecificData. The various options are as follows: <ul style="list-style-type: none">• DeployNow• DeployLater |
| Produces | Forcibly deploys a previously created E-Line LDP service. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
xmlns:xsi=?http://www.w3.org/2001/XMLSchema-instance">
<CustomAction xsi:type="ServiceCustomActionType">
<Action>DeployLater</Action>
```

```
<ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
</CustomAction>
</Data>
```

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>3964937</Value>
    </Identity>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>3964948</Value>
    </Identity>
    <Job>
      <ID>1474600</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service Force Deploy was Successfully triggered.
Please check the status using the JOB ID.</Message>
  </Status>
</Data>
```

Decommission an E-Line Service Immediately

This request is used to decommission a previously created E-Line service immediately.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ptp/service-management/ services/{serviceId} |
| HTTP Method | DELETE |

| | |
|--------------|--|
| Content-Type | application/vnd.net.juniper.space.service-management.service+xml |
| Produces | Decommissions a previously created E-Line service immediately. |

Input

Sample XML Input

No payload is supported or required

Output

Sample XML Output

```
<RESTOperation xmlns="services.schema.networkapi.jmp.juniper.net">
  <Response>
    <Job>
      <ID>1540110</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Identity>
      <Type>Service</Type>
      <Value>2850823</Value>
    </Identity>
    <Data>
      <OperationSpecificData>
        <ResponseMessage>
          <HTTPResponseCode>200</HTTPResponseCode>
          <ResponseMessage>Service Decommission was Successfully triggered.
Please check the status using the JOB ID.</ResponseMessage>
        </ResponseMessage>
      </OperationSpecificData>
    </Data>
  </Response>
</RESTOperation>
```

```
</Response>
</RESTOperation>
```

Decommission an E-Line LDP Service Immediately

This request is used to decommission a previously created E-Line LDP service immediately.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/services/{serviceId} |
| HTTP Method | DELETE |
| Content-Type | application/vnd.net.juniper.space.service-management.service+xml |
| Produces | Decommissions a previously created E-Line LDP service immediately. |

Input

Sample XML Input

No payload is supported or required

Output

Sample XML Output

```
<RESTOperation xmlns="services.schema.networkapi.jmp.juniper.net">
  <Response>
    <Job>
      <ID>1540110</ID>
      <Status>INPROGRESS</Status>
    </Job>
```

```
<Identity>
  <Type>Service</Type>
  <Value>2850823</Value>
</Identity>
<Data>
  <OperationSpecificData>
    <ResponseMessage>
      <HTTPResponseCode>200</HTTPResponseCode>
      <ResponseMessage>Service Decommission was Successfully triggered.Please
check the status using the JOB ID.</ResponseMessage>
    </ResponseMessage>
  </OperationSpecificData>
</Data>
</Response>
</RESTOperation>
```

Decommission an E-Line Service Later

This request is used to decommission a previously created E-Line service at a defined later time.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/ services/{serviceld} |
| HTTP Method | DELETE |
| Content-Type | application/vnd.net.juniper.space.service-management. service+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml |
| Produces | Decommissions a previously created E-Line service at a scheduled later time. |

Input

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Identity>
    <Type>Service</Type>
    <Value>1540110</Value>
  </Identity>
  <CustomAction xsi:type="ServiceCustomActionType">
    <Action>DecommissionLater</Action>
    <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
  </CustomAction>
</Data>

```

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1179679</Value>
    </Identity>
    <Job>
      <ID>1998906</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service Decommission was Successfully triggered. Please check
the status using the JOB ID.</Message>
  </Status>
</Data>

```

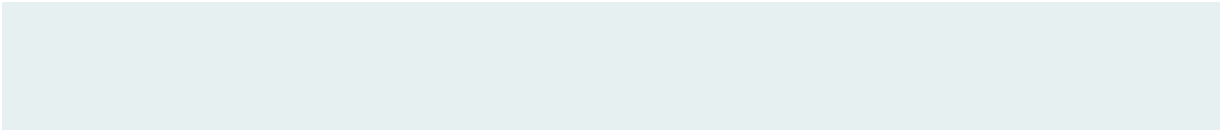
Delete an E-Line LDP Service

This request is used to delete a previously configured E-Line LDP service.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ptp/service-management/services/<serviceOrder-id> |
| HTTP Method | DELETE |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml |
| Produces | Deletes an E-Line LDP service. |

Output

Sample XML Output



View the Pending Configuration of an E-Line Service

This request is used to view the details of a E-Line service that are pending to be applied to a device.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ptp/service-management/services/view-pendingorderconfiguration/<serviceOrder-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.pendingorder-config+xml |
| Produces | Displays the configuration details of a service pending to be applied to a device. |

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <PendingOrderConfiguration>
    <PendingOrderConfigDeviceEnd>
      <DeviceName>exora</DeviceName>
      <Configuration><configuration><interfaces><interface><name>ge-
0/1/1</name><flexible-vlan-tagging/><mtu>1522</mtu><encapsulation>flexible-ethernetservices&
lt;/encapsulation><unit><name>24</name><encapsulation>vlan-ccc</encapsulation><vlan-idrange&
gt;24-34</vlan-idrange&
gt;</unit></interface></interfaces><protocols><l2circuit><neighbor><name>50.1.2.1</name
><interface><name>ge-0/1/1.24</name><virtual-circuit-id>2147467281</virtual-circuit-id><no-controlword/&
gt;<mtu>1522</mtu><revert-time>5</revert-time><backupneighbor&
gt;<name>30.1.2.7</name><virtual-circuit-id>2147467281</virtual-circuit-id><standby/></backupneighbor&
gt;</interface></neighbor></l2circuit></protocols></configuration>
</Configuration>
</PendingOrderConfigDeviceEnd>
    <PendingOrderConfigDeviceEnd>
      <DeviceName>junos-spacel</DeviceName>
      <Configuration><configuration><interfaces><interface><name>ge-
0/1/5</name><flexible-vlan-tagging/><mtu>1522</mtu><encapsulation>flexible-ethernetservices&
lt;/encapsulation><unit><name>24</name><encapsulation>vlan-ccc</encapsulation><vlan-idrange&
gt;24-34</vlan-idrange&
gt;</unit></interface></interfaces><protocols><l2circuit><neighbor><name>50.1.2.3</name
><interface><name>ge-0/1/5.24</name><virtual-circuit-id>2147467281</virtual-circuit-id><no-controlword/&
gt;<mtu>1522</mtu></interface></neighbor></l2circuit></protocols></configuration>
</Configuration>
</PendingOrderConfigDeviceEnd>
    <PendingOrderConfigDeviceEnd>
      <DeviceName>kochin</DeviceName>
      <Configuration><configuration><interfaces><interface><name>ge-
0/0/4</name><flexible-vlan-tagging/><mtu>1522</mtu><encapsulation>flexible-ethernetservices&
lt;/encapsulation><unit><name>24</name><encapsulation>vlan-ccc</encapsulation><vlan-idrange&
gt;24-34</vlan-idrange&
gt;</unit></interface></interfaces><protocols><l2circuit><neighbor><name>50.1.2.3</name
><interface><name>ge-0/0/4.24</name><virtual-circuit-id>2147467281</virtual-circuit-id><no-controlword/&
gt;<mtu>1522</mtu></interface></neighbor></l2circuit></protocols></configuration>
</Configuration>
</PendingOrderConfigDeviceEnd>
  </PendingOrderConfiguration>
</Data>

```

Clone an E-Line LDP Service

This request is used to clone an E-Line LDP service.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/services/clone/<serviceId> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.clone-service+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml |
| Produces | Clones an E-Line LDP service. |

NOTE: To clone services, for elements in <ServiceEndPoint>, the following list of elements is not allowed in <ServiceEndPoint>

- TrafficType
- PhysicalEncapsulation
- LogicalEncapsulation
- CellBundleSize
- OutGoingLabel
- JitterBuffer
- IdlePattern
- PayloadSize
- ExcessivePacketLossRate

If you enter any of the preceding elements for <ServiceEndPoint>, an appropriate error message is displayed.

Also, ServiceDefinition must not be provided in the <Reference> tag; this value is ignored because it must be the same as the service you are cloning.

Similarly, you cannot specify a different customer while cloning a service because the same <Reference> tag that is used for creating a service is used in cloning a service. As a result, the same customer during service creation is used and a you cannot provide different customer in the clone request.

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>Eline_Test_505_Clone_1</Name>
        <Comments>P2P service order</Comments>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
```

```

    <NA>
    <DeviceName>embassy</DeviceName>
    <DeviceID>360554</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-1/0/1</InterfaceName>
  <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
    <VlanId>238</VlanId>
    <Bandwidth unit="Mbps">20</Bandwidth>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA>
    <DeviceName>exora</DeviceName>
    <DeviceID>360498</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/2</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
      <VlanId>238</VlanId>
      <Bandwidth unit="Mbps">20</Bandwidth>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="PTPConfigParameterOrderType">
    <VCID>238</VCID>
  </ServiceOrderParameter>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="ServiceCustomActionType">
  <Action>Save</Action>

```

```
</CustomAction>
</Data>
```

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>3964937</Value>
    </Identity>
    <Job>
      <ID>1474600</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Created Successfully.</Message>
  </Status>
</Data>
```

Clone an E-Line LDP Service (Version 2)

This request is used to clone an E-Line LDP service.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/services/clone/<serviceld> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.clone-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml;version=2 |

Produces

Clones an E-Line LDP service in version 2 format.

NOTE: To clone services, for elements in <ServiceEndPoint>, the following list of elements is not allowed in <ServiceEndPoint>

- TrafficType
- PhysicalEncapsulation
- LogicalEncapsulation
- CellBundleSize
- OutGoingLabel
- JitterBuffer
- IdlePattern
- PayloadSize
- ExcessivePacketLossRate

If you enter any of the preceding elements for <ServiceEndPoint>, an appropriate error message is displayed.

Also, ServiceDefinition must not be provided in the <Reference> tag; this value is ignored because it must be the same as the service you are cloning.

Similarly, you cannot specify a different customer while cloning a service because the same <Reference> tag that is used for creating a service is used in cloning a service. As a result, the same customer during service creation is used and a you cannot provide different customer in the clone request.

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>TestClone_MDFSO_APIClone</Name>
      </Common>
    </ServiceOrder>
  </ServiceResource>
</Data>
```

```

<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="786539" uri="/api/space/nsas/device-roles/pe-devices/786539"
      href="/api/space/nsas/device-roles/pe-devices/786539">
      <DeviceName>embassy</DeviceName>
      <DeviceID>786539</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-1/0/7</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
      <UnitId>150</UnitId>
      <VlanId>160</VlanId>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="786568" uri="/api/space/nsas/device-roles/pe-devices/786568"
      href="/api/space/nsas/device-roles/pe-devices/786568">
      <DeviceName>junos-mx80-1-space</DeviceName>
      <DeviceID>786568</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-1/3/6</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
      <UnitId>170</UnitId>
      <VlanId>180</VlanId>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="PTPConfigParameterOrderType">
  <VCID>21471</VCID>
</ServiceOrderParameter>
</ServiceOrder>

```

```
</ServiceResource>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>458992</Value>
    </Identity>
    <Code>200</Code>
    <Message>Service Order Created Successfully. : </Message>
  </Status>
</Data>
```

Get an E-Line Service to Associate an LSP

This request is used to retrieve an E-Line service for associating an LSP with the service.

| | |
|--------------|---|
| URL | /api/space/nsas/eline-ptp/service-management/services/<orderID> |
| HTTP Method | GET |
| Sample URL | https://192.0.2.10:8443/api/space/nsas/eline-ptp/service-management/services/196608 |
| Accept | application/vnd.net.juniper.space.service-management.service+xml;version=2 |
| Content Type | application/vnd.net.juniper.space.service-management.service+xml;version=2 |

Request

Not Applicable

Response

```

<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service key="196608"
uri="/api/space/nsas/eline-ptp/service-management/services/196608"
href="/api/space/nsas/eline-ptp/service-management/services/196608">
      <Common>
        <Name>ELine_CreateLSP</Name>
        <Identity>196608</Identity>
        <State>Deployed</State>
        <CreatedDate>2018-06-21T00:49:48.000+05:30</CreatedDate>
        <LastUpdatedDate>2018-06-21T00:49:48.000+05:30</LastUpdatedDate>
        <InstanceType>l2vpn</InstanceType>
      </Common>
      <ServiceType>BGP</ServiceType>
      <Signalling>BGP</Signalling>
      <LSPPattern
href="/api/space/nsas/lsp-pattern/service-management/service-patterns/2"
uri="/api/space/nsas/lsp-pattern/service-management/service-patterns/2" key="2">
        <PatternName>Full Mesh Default Pattern</PatternName>
        <PatternID>2</PatternID>
      </LSPPattern>
      <LspServiceDefinition>
        <ServiceDefinitionID
uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/163841"
href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/163841"
key="163841">
          <ServiceDefinitionName>ns_test1</ServiceDefinitionName>
          </ServiceDefinitionID>
        </LspServiceDefinition>
        <LspId>131075</LspId>
        <AuditFlag>
          <FunctionalAudit>Pending</FunctionalAudit>
          <ConfigurationAudit>Pending</ConfigurationAudit>
          <FaultStatus>None</FaultStatus>
          <SLAStatus>None</SLAStatus>
          <OverallStatus>N/A</OverallStatus>
        </AuditFlag>
        <endpointcount>0</endpointcount>
        <ServiceEndPointGroup>
          <DeviceInfo>
            <NA key="2" uri="/api/space/nsas/device-roles/pe-devices/2"
href="/api/space/nsas/device-roles/pe-devices/2">

```

```

        <DeviceName>SG2re</DeviceName>
        <DeviceID>2</DeviceID>
        <CMPDeviceID>2</CMPDeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge-0/0/6.123</InterfaceName>
    <InterfaceIndex>524</InterfaceIndex>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterServiceType">
        <EndPointCategory>PTP</EndPointCategory>
        <TrafficType>QINQ Transport all traffic</TrafficType>

<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
        <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
        <UNIDescription>N/A</UNIDescription>
        <OuterTPID>None</OuterTPID>
        <UnitId>123</UnitId>
        <VlanId>123</VlanId>
        <MTU>1522</MTU>
        <Bandwidth unit="Mbps">10</Bandwidth>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
    <ServiceEndpointID>0</ServiceEndpointID>
</ServiceEndPoint>
<ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndPointGroupParameterServiceType">
    <PEDevice_LoopBackIP>128.220.11.209</PEDevice_LoopBackIP>
    <PEDevice_NeighborIP>128.220.11.202</PEDevice_NeighborIP>
</ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA key="3" uri="/api/space/nsas/device-roles/pe-devices/3"
href="/api/space/nsas/device-roles/pe-devices/3">
            <DeviceName>SG4re</DeviceName>
            <DeviceID>3</DeviceID>
            <CMPDeviceID>1</CMPDeviceID>
        </NA>
    </DeviceInfo>
</ServiceEndPoint>
    <InterfaceName>ge-0/0/7.1</InterfaceName>

```

```

        <InterfaceIndex>525</InterfaceIndex>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterServiceType">
            <EndPointCategory>PTP</EndPointCategory>
            <TrafficType>QINQ Transport all traffic</TrafficType>

<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
            <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
            <UNIDescription>N/A</UNIDescription>
            <OuterTPID>None</OuterTPID>
            <UnitId>1</UnitId>
            <VlanId>1</VlanId>
            <MTU>1522</MTU>
            <Bandwidth unit="Mbps">10</Bandwidth>
        </ServiceEndpointConfiguration>
        <ServiceTemplates />
        <ServiceEndpointID>0</ServiceEndpointID>
    </ServiceEndPoint>
    <ServiceEndPointGroupParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndPointGroupParameterServiceType">
        <PEDevice_LoopBackIP>128.220.11.202</PEDevice_LoopBackIP>
        <PEDevice_NeighborIP>128.220.11.209</PEDevice_NeighborIP>
    </ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
    <ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterServiceType">
        <RouteTarget>100:13</RouteTarget>
        <RouteDistinguisher>100:16</RouteDistinguisher>
        <VlanNormalization>Swap</VlanNormalization>
        <MTUFactor>10</MTUFactor>
    </ServiceParameters>
    <Reference>
        <ServiceOrder
uri="/api/space/nsas/eline-ntp/service-management/service-orders/131073"
href="/api/space/nsas/eline-ntp/service-management/service-orders/131073" key="131073"
/>

        <ServiceDefinition>
            <ServiceDefinitionID
uri="/api/space/nsas/eline-ntp/service-management/service-definitions/98304"
href="/api/space/nsas/eline-ntp/service-management/service-definitions/98304"
key="98304">

```

```
<ServiceDefinitionName>ELine-BGP-QinQ-AllVLAN</ServiceDefinitionName>
  </ServiceDefinitionID>
</ServiceDefinition>
  <Customer uri="/api/space/nsas/customer-management/customers/1"
href="/api/space/nsas/customer-management/customers/1" key="1">
    <CustomerName>Juniper</CustomerName>
  </Customer>
</Reference>
</Service>
</ServiceResource>
</Data>
```

Functional Audit, Configuration Audit, and Fault Status Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director Functional and Configuration Audits Management RESTful Web Services.

Run a Configuration Audit of an E-Line LDP Service

This request is run a configuration audit of an E-Line LDP service.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/services/<service-id> |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.service+xml The options for AuditNow and AuditLater can be provided in the Action element within the ?OperationSpecificData?. |
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml |
| Produces | Performs a configuration audit of an E-Line LDP service. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ConfigAuditCustomActionType">
    <Action>AuditNow</Action>
    <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
  </CustomAction>
</Data>
```

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>262378</Value>
    </Identity>
    <Job>
      <ID>1998913</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Configurational Audit was Successfully triggered.Please
check the status using the JOB ID.</Message>
  </Status>
</Data>
```

Run a Functional Audit of an E-Line LDP Service

This request is run a configuration audit of an E-Line LDP service.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ptp/service-management/ services/<service-id> |
| HTTP Method | POST |

| | |
|--------------|---|
| Content Type | application/vnd.net.juniper.space.service-management.service+xml The options for AuditNow and AuditLater can be provided in the Action element within the ?OperationSpecificData?. |
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml |
| Produces | Performs a functional audit of an E-Line LDP service. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="FunctionalAuditCustomActionType">
    <Action>AuditNow</Action>
  </CustomAction>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>754022</Value>
    </Identity>
    <Job>
      <ID>231082</ID>
      <Status>INPROGRESS</Status>
      <AssociatedJob>
        <ID>231083</ID>
        <Status>INPROGRESS</Status>
      </AssociatedJob>
    </Job>
  </Status>
</Data>
```

```
<Code>200</Code>
<Message>The Monitoring Audit was successfully triggered. Please
check the status using the JOB ID.</Message>
</AssociatedJob>
</Job>
<Code>200</Code>
<Message>The Functional Audit was successfully triggered. Please check
the status using the JOB ID.</Message>
</Status>
</Data>
```

View the Configuration Audit Results of an E-Line LDP Service (Version 1)

This request is display the configuration audit results of an E-Line LDP service.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ntp/service-management/services/ view-configuration-audit/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service- management.config-audit+xml |
| Produces | Displays the configuration audit results of an E-Line LDP service. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<AuditResults>
<ConfigurationAuditResult>
<ConfigDeviceEnd>
<DeviceName>embassy</DeviceName>
<DeviceStatus>Up</DeviceStatus>
<Details>Successfully Config Audited
```

```
</Details>
</ConfigDeviceEnd>
<ConfigDeviceEnd>
  <DeviceName>exora</DeviceName>
  <DeviceStatus>Up</DeviceStatus>
  <Details>Successfully Config Audited
</Details>
</ConfigDeviceEnd>
</ConfigurationAuditResult>
</AuditResults>
</Data>
```

View the Configuration Audit Results of an E-Line LDP Service (Version 2)

This request is display the configuration audit results of an E-Line LDP service in version 2 format.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ptp/service-management/services/ view-configuration-audit/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service- management.config-audit+xml;version=2 |
| Produces | Displays the configuration audit results of an E-Line LDP service in version 2 format. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <AuditResults>
    <ConfigurationAuditResult>
      <ConfigurationAuditStatus>Down</ConfigurationAuditStatus>
      <ConfigurationAuditTimestamp>2016-02-05
17:32:03.0</ConfigurationAuditTimestamp>
```

```
<ConfigDeviceEnd>
<DeviceName>embassy</DeviceName>
<DeviceStatus>Up</DeviceStatus>
<Details>Successfully Config Audited
</Details>
</ConfigDeviceEnd>
<ConfigDeviceEnd>
<DeviceName>exora</DeviceName>
<DeviceStatus>Up</DeviceStatus>
<Details>Successfully Config Audited
</Details>
</ConfigDeviceEnd>
</ConfigurationAuditResult>
</AuditResults>
</Data>
```

View the Functional Audit Results of an E-Line LDP Service

This request is display the functional audit results of an E-Line LDP service.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ptp/service-management/ services/view-functional-audit/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. functional-audit+xml |
| Produces | Displays the functional audit results of an E-Line LDP service. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<AuditResults>
<FunctionalAuditResult>
```

```

<Common>
<Name>Eline_QinQ_AVlan_001</Name>
<Identity>262378</Identity>
<State>Deployed</State>
</Common>
<ServiceType>ELINEMartini</ServiceType>
<ServiceDefinitionName>ELine-QinQ-AllVLAN</ServiceDefinitionName>
<OperationState>Down</OperationState>
<DeviceEnd>
<DeviceName>ge-1/0/1 embassy</DeviceName>
<Topology>P2P</Topology>
<OperationState>Down</OperationState>
<RemoteEnd>
<ControlPlaneParams>
<Command>get-l2ckt-connection-information</Command>
<RemoteEndpoint>ge-0/1/1 exora</RemoteEndpoint>
<CommandStatus>no outgoing label </CommandStatus>
</ControlPlaneParams>
<DataPlaneParams>
<Command>request-ping-l2circuit-virtual-circuit</Command>
<Result>Status: probably configuration missing on device
</Result>
</DataPlaneParams>
<ServiceStatistics>
<Command>show interfaces ge-1/0/1.784 statistics</Command>
<RemoteLoopbackIP>50.1.2.4</RemoteLoopbackIP>
<VCID>1456783</VCID>
<InputPackets>0</InputPackets>
<OutputPackets>0</OutputPackets>
</ServiceStatistics>
</RemoteEnd>
</DeviceEnd>
<DeviceEnd>
<DeviceName>ge-0/1/1 exora</DeviceName>
<Topology>P2P</Topology>
<OperationState>Down</OperationState>
<RemoteEnd>
<ControlPlaneParams>
<Command>get-l2ckt-connection-information</Command>
<RemoteEndpoint>ge-1/0/1 embassy</RemoteEndpoint>
<CommandStatus>no outgoing label </CommandStatus>
</ControlPlaneParams>

```

```
<DataPlaneParams>
<Command>request-ping-l2circuit-virtual-circuit</Command>
<Result>Status: probably configuration missing on device
</Result>
</DataPlaneParams>
<ServiceStatistics>
<Command>show interfaces ge-0/1/1.784 statistics</Command>
<RemoteLoopbackIP>50.1.2.3</RemoteLoopbackIP>
<VCID>1456783</VCID>
<InputPackets>0</InputPackets>
<OutputPackets>0</OutputPackets>
</ServiceStatistics>
</RemoteEnd>
</DeviceEnd>
</FunctionalAuditResult>
</AuditResults>
</Data>
```

View the Service Configuration Change Results of an E-Line LDP Service

This request is display the service configuration changes of an E-Line LDP service.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ptp/service-management/services/ view-serviceconfiguration-change/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. config-change+xml |
| Produces | Displays the service configuration change results of an E-Line LDP service. |

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<AuditResults>
<ServiceConfigurationChangeResult>
<ServiceConfigDeviceEnd>
<DeviceName>embassy</DeviceName>
<Configuration><configuration><firewall><policer><name>policer_in_ge-
1/0/1_784</name><if-exceeding><bandwidth-limit>10000000</bandwidth-limit><burst-sizelimit&
gt;15220</burst-size-limit></ifexceeding&
gt;<then><discard/></then></policer><family><ccc><filter><name>filter_in_ge-
1/0/1_784</name><interface-specific/><term><name>1</name><then><policer>policer_in_ge-
1/0/1_784</policer><accept/></then></term></filter></ccc></family></firewall><interfaces&
gt;<interface><name>ge-1/0/1</name><flexible-vlantagging/&
gt;<mtu>1522</mtu><encapsulation>flexible-ethernet&
lt;/encapsulation><unit><name>784</name><description>No
description available for selected UNI
interface.</description><encapsulation>vlanccc&
lt;/encapsulation><family><ccc><filter><input>filter_in_ge-
1/0/1_784</input></filter></ccc></family><vlan-tags><outer>784</outer></vlantags&
gt;</unit></interface></interfaces><protocols><l2circuit><neighbor><name>50.1.2.3</name&
gt;<interface><name>ge-1/0/1.784</name><virtual-circuit-id>1456783</virtual-circuit-id><no-controlword/&
gt;<mtu>1522</mtu></interface></neighbor></l2circuit></protocols></configuration></Config
uration>
</ServiceConfigDeviceEnd>
<ServiceConfigDeviceEnd>
<DeviceName>exora</DeviceName>
<Configuration><configuration><firewall><policer><name>policer_in_ge-
0/1/1_784</name><if-exceeding><bandwidth-limit>10000000</bandwidth-limit><burst-sizelimit&
gt;15220</burst-size-limit></ifexceeding&
gt;<then><discard/></then></policer><family><ccc><filter><name>filter_in_ge-
0/1/1_784</name><interface-specific/><term><name>1</name><then><policer>policer_in_ge-
0/1/1_784</policer><accept/></then></term></filter></ccc></family></firewall><interfaces&
gt;<interface><name>ge-0/1/1</name><flexible-vlantagging/&
gt;<mtu>1522</mtu><encapsulation>flexible-ethernet&
lt;/encapsulation><unit><name>784</name><description>No
description available for selected UNI
interface.</description><encapsulation>vlanccc&
lt;/encapsulation><family><ccc><filter><input>filter_in_ge-
0/1/1_784</input></filter></ccc></family><vlan-tags><outer>784</outer></vlanAPI
tags></unit></interface></interfaces><protocols><l2circuit><neighbor><name>50.1.2.4</name&
gt;<interface><name>ge-0/1/1.784</name><virtual-circuit-id>1456783</virtual-circuit-id><no-controlword/&
gt;<mtu>1522</mtu></interface></neighbor></l2circuit></protocols><policyoptions/&
gt;</configuration></Configuration>

```

```
</ServiceConfigDeviceEnd>
</ServiceConfigurationChangeResult>
</AuditResults>
</Data>
```

View the Monitoring and Troubleshooting Results of an E-Line LDP Service

This request is display the results of troubleshooting and monitoring operations of an E-Line LDP service.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ntp/service-management/services/view-troubleshoot-results/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.troubleshoot-results+xml |
| Produces | Displays the troubleshooting results of an E-Line LDP service. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<AuditResults>
<TroubleshootResult>
<DeviceEnd>
<DeviceName>embassy</DeviceName>
<CommandResult>
<Protocol>
<UNI>
<CommandDetails>
<Command>show l2circuit connections interface ge-1/0/1.760</Command>
<Results>
<Row>
```

```

<Parameter>
<Name>Connection-site</Name>
<Value>ge-1/0/1.760(vc 760)</Value>
</Parameter>
<Parameter>
<Name>Status</Name>
<Value>OL</Value>
</Parameter>
<Parameter>
<Name>Type</Name>
<Value>rmt</Value>
</Parameter>
</Row>
</Results>
</CommandDetails>
<CommandDetails>
<Command>show interfaces ge-1/0/1.760 terse</Command>
<Results>
<Row>
<Parameter>
<Name>Link</Name>
<Value>
up
</Value>
</Parameter>
<Parameter>
<Name>Admin</Name>
<Value>
up
</Value>
</Parameter>
</Row>
</Results>
</CommandDetails>
</UNI>
<MPLS>
<CommandDetails>
<Command>show ldp database session 50.1.2.3</Command>
<Results>
<Row>
<Parameter>
<Name>State</Name>

```

```

<Value></Value>
</Parameter>
<Parameter>
<Name>Neighbor Address</Name>
<Value></Value>
</Parameter>
<Parameter>
<Name>Connection State</Name>
<Value></Value>
</Parameter>
</Row>
</Results>
</CommandDetails>
<CommandDetails>
<Command>show ldp neighbor 50.1.2.3</Command>
<Results>
<Row>
<Parameter>
<Name>Interface</Name>
<Value>lo0.0</Value>
</Parameter>
<Parameter>
<Name>Label</Name>
<Value>0.0.0.0:0</Value>
</Parameter>
<Parameter>
<Name>Neighbor Address</Name>
<Value>50.1.2.3</Value>
</Parameter>
</Row>
</Results>
</CommandDetails>
<CommandDetails>
<Command>show route table inet.3 protocol ldp terse</Command>
<Results>
<Row>
<Parameter>
<Name>Protocol Name</Name>
<Value>LDP</Value>
</Parameter>
<Parameter>
<Name>Next Hop</Name>

```

```

<Value>40.1.3.1</Value>
</Parameter>
<Parameter>
<Name>Destination</Name>
<Value>50.1.2.1/32</Value>
</Parameter>
</Row>
<Row>
<Parameter>
<Name>Protocol Name</Name>
<Value>LDP</Value>
</Parameter>
<Parameter>
<Name>Next Hop</Name>
<Value>40.1.3.1</Value>
</Parameter>
<Parameter>
<Name>Destination</Name>
<Value>50.1.2.2/32</Value>
</Parameter>
</Row>
<Row>
<Parameter>
<Name>Protocol Name</Name>
<Value>LDP</Value>
</Parameter>
<Parameter>
<Name>Next Hop</Name>
<Value>40.1.3.1</Value>
</Parameter>
<Parameter>
<Name>Destination</Name>
<Value>50.1.2.3/32</Value>
</Parameter>
</Row>
</Results>
</CommandDetails>
</MPLS>
</Protocol>
</CommandResult>
</DeviceEnd>
<DeviceEnd>

```

```

<DeviceName>exora</DeviceName>
<CommandResult>
<Protocol>
<UNI>
<CommandDetails>
<Command>show l2circuit connections interface ge-0/1/2.760</Command>
<Results>
<Row>
<Parameter>
<Name>Connection-site</Name>
<Value>ge-0/1/2.760(vc 760)</Value>
</Parameter>
<Parameter>
<Name>Status</Name>
<Value>OL</Value>
</Parameter>
<Parameter>
<Name>Type</Name>
<Value>rmt</Value>
</Parameter>
</Row>
</Results>
</CommandDetails>
<CommandDetails>
<Command>show interfaces ge-0/1/2.760 terse</Command>
<Results>
<Row>
<Parameter>
<Name>Link</Name>
<Value>
up
</Value>
</Parameter>
<Parameter>
<Name>Admin</Name>
<Value>
up
</Value>
</Parameter>
</Row>
</Results>
</CommandDetails>

```

```

</UNI>
<MPLS>
<CommandDetails>
<Command>show ldp database session 50.1.2.4</Command>
<Results>
<Row>
<Parameter>
<Name>State</Name>
<Value></Value>
</Parameter>
<Parameter>
<Name>Neighbor Address</Name>
<Value></Value>
</Parameter>
<Parameter>
<Name>Connection State</Name>
<Value></Value>
</Parameter>
</Row>
</Results>
</CommandDetails>
<CommandDetails>
<Command>show ldp neighbor 50.1.2.4</Command>
<Results>
<Row>
<Parameter>
<Name>Interface</Name>
<Value></Value>
</Parameter>
<Parameter>
<Name>Label</Name>
<Value></Value>
</Parameter>
<Parameter>
<Name>Neighbor Address</Name>
<Value></Value>
</Parameter>
</Row>
</Results>
</CommandDetails>
<CommandDetails>
<Command>show route table inet.3 protocol ldp terse</Command>

```

```

<Results>
<Row>
<Parameter>
<Name>Protocol Name</Name>
<Value>LDP</Value>
</Parameter>
<Parameter>
<Name>Next Hop</Name>
<Value>40.1.2.1</Value>
</Parameter>
<Parameter>
<Name>Destination</Name>
<Value>50.1.2.1/32</Value>
</Parameter>
</Row>
<Row>
<Parameter>
<Name>Protocol Name</Name>
<Value>LDP</Value>
</Parameter>
<Parameter>
<Name>Next Hop</Name>
<Value>40.1.2.1</Value>
</Parameter>
<Parameter>
<Name>Destination</Name>
<Value>50.1.2.2/32</Value>
</Parameter>
</Row>
<Row>
<Parameter>
<Name>Protocol Name</Name>
<Value>LDP</Value>
</Parameter>
<Parameter>
<Name>Next Hop</Name>
<Value>40.1.2.1</Value>
</Parameter>
<Parameter>
<Name>Destination</Name>
<Value>50.1.2.4/32</Value>
</Parameter>

```

```
</Row>
</Results>
</CommandDetails>
</MPLS>
</Protocol>
</CommandResult>
</DeviceEnd>
</TroubleshootResult>
</AuditResults>
</Data>
```

Run a Configuration Audit of an L3VPN Service

This request is run a configuration audit of an L3VPN service.

| | |
|--------------|---|
| URI | api/space/nsas/l3vpn/service-management/ services/<service-id> |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.service+xml The options for AuditNow and AuditLater can be provided in the Action element within the ?OperationSpecificData?. |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml |
| Produces | Performs a configuration audit of an L3VPN service. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
```

```

    xsi:type="ConfigAuditCustomActionType">
    <Action>AuditNow</Action>
    <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
  </CustomAction>
</Data>

```

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>262378</Value>
    </Identity>
    <Job>
      <ID>1998913</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Configurational Audit was Successfully triggered.Please
      check the status using the JOB ID.</Message>
  </Status>
</Data>

```

View the Configuration Audit Results of an L3VPN Service (Version 1)

This request is display the configuration audit results of an L3VPN service.

| | |
|-------------|--|
| URI | api/space/nsas/l3vpn/service-management/services/ view-configuration-audit/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. config-audit+xml |


```
</ConfigurationAuditResult>
</AuditResults>
</Data>
```

View the Configuration Audit Results of an L3VPN Service (Version 2)

This request is display the configuration audit results of an L3VPN service in version 2 format.

| | |
|-------------|--|
| URI | api/space/nsas/l3vpn/service-management/services/ view-configuration-audit/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. config-audit+xml;version=2 |
| Produces | Displays the configuration audit results of an L3VPN service. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<AuditResults>
  <ConfigurationAuditResult>
    <ConfigurationAuditStatus>Down</ConfigurationAuditStatus>
    <ConfigurationAuditTimestamp>2016-02-05
17:32:03.0</ConfigurationAuditTimestamp>
    <ConfigDeviceEnd>
      <DeviceName>kochin</DeviceName>
      <DeviceStatus>Down</DeviceStatus>
      <Details>Mismatch [
attributePath=/devices/junos_11.4R2.14/configuration/interfaces/interface[name="ge-0/0/4"]/unit[name="6"]

      ] Current null
```

```

Mismatch [

attributePath=/deviceobj/junos_11.4R2.14/configuration/policy-options/policy-statement[name="TESTL3VPN_2_spoke_hsp2sf_pol"]

] Current null
Mismatch [

attributePath=/deviceobj/junos_11.4R2.14/configuration/policy-options/policy-statement[name="TESTL3VPN_2_spoke_hsl_export_pol"]

] Current null

Mismatch [

attributePath=/deviceobj/junos_11.4R2.14/configuration/policy-options/policy-statement[name="TESTL3VPN_2_spoke_hsl_import_pol"]

] Current null
Mismatch [ attributePath=/deviceobj/junos</Details>
</ConfigDeviceEnd>
<ConfigDeviceEnd>
  <DeviceName>jaipur</DeviceName>
  <DeviceStatus>Up</DeviceStatus>
  <Details>Successfully Config Audited
  </Details>
</ConfigDeviceEnd>
</ConfigurationAuditResult>
</AuditResults>
</Data>
```

Run a Functional Audit of an L3VPN Service

This request is run a configuration audit of an L3VPN service.

| | |
|--------------|---|
| URI | api/space/nsas/l3vpn/service-management/ services/<service-id> |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.service+xml The options for AuditNow and AuditLater can be provided in the Action element within the ?OperationSpecificData?. |

| | |
|----------|---|
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml |
| Produces | Performs a functional audit of an L3VPN service. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="FunctionalAuditCustomActionType">
    <Action>AuditNow</Action>
    <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
  </CustomAction>
</Data>
```

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>262378</Value>
    </Identity>
    <Job>
      <ID>1998913</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Functional Audit was Successfully triggered.Please
      check the status using the JOB ID.</Message>
  </Status>
</Data>
```

View the Functional Audit Results of an L3VPN Service

This request is display the functional audit results of an L3VPN service.

| | |
|-------------|---|
| URI | api/space/nsas/l3vpn/service-management/services/view-functional-audit/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.functional-audit+xml |
| Produces | Displays the functional audit results of an L3VPN service. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <AuditResults>
    <FunctionalAuditResult>
      <Common>
        <Name>TESTL3VPN_2</Name>
        <Identity>2162763</Identity>
        <State>Deployed</State>
      </Common>
      <ServiceType>L3VPN</ServiceType>
      <OperationState>Down</OperationState>

      <ServiceDefinitionName>L3VPN-OSPF-Static(Hub-Spoke-1-Interface)</ServiceDefinitionName>

      <NoOfUNIs>2</NoOfUNIs>
      <UpUNIs>0</UpUNIs>
      <DownUNIs>2</DownUNIs>
      <DeviceEnd>
        <DeviceName>ge-0/0/4.6 kochin</DeviceName>
        <Topology>L3VPNSPOKE</Topology>
        <OperationState>Down</OperationState>
        <NoOfRemoteUNIs>1</NoOfRemoteUNIs>
        <UpRemoteUNIs>0</UpRemoteUNIs>
        <DownRemoteUNIs>1</DownRemoteUNIs>
      </DeviceEnd>
    </FunctionalAuditResult>
  </AuditResults>
</Data>
```

```

<ControlPlaneParams>
  <Command>get-route-information</Command>
  <RemoteEndpoint>ge-0/0/3.7 jaipur</RemoteEndpoint>
  <Result>Status: probably configuration missing on device
</Result>
</ControlPlaneParams>
<DataPlaneParams>
  <Command>ping routing-instance remotehost</Command>
  <Result>Status: probably configuration missing on device
</Result>
</DataPlaneParams>
</RemoteEnd>
</DeviceEnd>
<DeviceEnd>
  <DeviceName>ge-0/0/3.7 jaipur</DeviceName>
  <Topology>L3VPNHUB</Topology>
  <OperationState>Down</OperationState>
  <NoOfRemoteUNIs>1</NoOfRemoteUNIs>
  <UpRemoteUNIs>0</UpRemoteUNIs>
  <DownRemoteUNIs>1</DownRemoteUNIs>
  <RemoteEnd>
    <ControlPlaneParams>
      <Command>get-route-information</Command>
      <RemoteEndpoint>ge-0/0/4.6 kochin</RemoteEndpoint>
      <Result>Status: probably configuration missing on device
    </Result>
    </ControlPlaneParams>
    <DataPlaneParams>
      <Command>ping routing-instance remotehost</Command>
      <PacketsTransmitted>5</PacketsTransmitted>
      <PacketsReceived>0</PacketsReceived>
      <PacketsLostPercentage>100</PacketsLostPercentage>
    </DataPlaneParams>
    </RemoteEnd>
  </DeviceEnd>
</FunctionalAuditResult>
</AuditResults>
</Data>

```

View the Service Configuration Change Results of an L3VPN Service

This request is display the service configuration changes of an L3VPN service.

| | |
|-------------|--|
| URI | api/space/nsas/l3vpn/service-management/services/view-serviceconfiguration-change/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.config-change+xml |
| Produces | Displays the service configuration change results of an L3VPN service. |

Output

Sample XML Output

```
<Data
  xmlns="services.schema.networkapi.jmp.juniper.net">
  <AuditResults>
    <ServiceConfigurationChangeResult>
      <ServiceConfigDeviceEnd>
        <DeviceName>embassy</DeviceName>
        <Configuration>
          <configuration>
            <firewall>
              <policer>
                <name>policer_in_ge-1/0/1_784</name>
                <if-exceeding>
                  <bandwidth-limit>10000000</bandwidth-limit>

                  <burst-size-limit>15220</burst-size-limit>

                </if-exceeding>
                <then>
                  <discard/>
                </then>
              </policer>
            <family>
              <ccc>
```

```

        <filter>
            <name>filter_in_ge-1/0/1_784</name>
            <interface-specific/>
            <term>
                <name>1</name>
                <then>

<policer>policer_in_ge-1/0/1_784</policer>
                    <accept/>
                    </then>
                </term>
            </filter>
        </ccc>
    </family>
</firewall>
<interfaces>
    <interface>
        <name>ge-1/0/1</name>
        <flexible-vlan-tagging/>
        <mtu>1522</mtu>

<encapsulation>flexible-ethernet-services</encapsulation>
        <unit>
            <name>784</name>
            <description>No
description available for selected UNI
interface.</description>
            <encapsulation>vlan-ccc</encapsulation>
            <family>
                <ccc>
                    <filter>

<input>filter_in_ge-1/0/1_784</input>
                        </filter>
                    </ccc>
                </family>
            <vlan-tags>
                <outer>784</outer>
            </vlan-tags>
        </unit>
    </interface>
</interfaces>

```

```

        <protocols>
            <l2circuit>
                <neighbor>
                    <name>50.1.2.3</name>
                    <interface>
                        <name>ge-1/0/1.784</name>

<virtual-circuit-id>1456783</virtual-circuit-id>
                    <no-control-word/>
                    <mtu>1522</mtu>
                </interface>
            </neighbor>
        </l2circuit>
    </protocols>
</configuration>
</Configuration>
</ServiceConfigDeviceEnd>
<ServiceConfigDeviceEnd>
    <DeviceName>exora</DeviceName>
    <Configuration>
        <configuration>
            <firewall>
                <policer>
                    <name>policer_in_ge-0/1/1_784</name>
                    <if-exceeding>
                        <bandwidth-limit>10000000</bandwidth-limit>

                        <burst-size-limit>15220</burst-size-limit>

                    </if-exceeding>
                    <then>
                        <discard/>
                    </then>
                </policer>
            <family>
                <ccc>
                    <filter>
                        <name>filter_in_ge-0/1/1_784</name>
                        <interface-specific/>
                        <term>
                            <name>1</name>
                            <then>

```

```

<policer>policer_in_ge-0/1/1_784</policer>
    <accept/>
    </then>
  </term>
</filter>
</ccc>
</family>
</firewall>
<interfaces>
  <interface>
    <name>ge-0/1/1</name>
    <flexible-vlan-tagging/>
    <mtu>1522</mtu>

    <encapsulation>flexible-ethernet-services</encapsulation>
    <unit>
      <name>784</name>
      <description>No
description available for selected UNI
interface.</description>
      <encapsulation>vlan-ccc</encapsulation>
      <family>
        <ccc>
          <filter>

<input>filter_in_ge-0/1/1_784</input>
          </filter>
        </ccc>
      </family>
      <vlan-tags>
        <outer>784</outer>
      </vlan-tags>
    </unit>
  </interface>
</interfaces>
<protocols>
  <l2circuit>
    <neighbor>
      <name>50.1.2.4</name>
      <interface>
        <name>ge-0/1/1.784</name>

```

```
<virtual-circuit-id>1456783</virtual-circuit-id>
                                <no-control-word/>
                                <mtu>1522</mtu>
                                </interface>
                                </neighbor>
                                </l2circuit>
                                </protocols>
                                <policy-options/>
                                </configuration>
                                </Configuration>
                                </ServiceConfigDeviceEnd>
                                </ServiceConfigurationChangeResult>
                                </AuditResults>
                                </Data>
```

Run a Functional Audit of an L3VPN Service with Pseudowire Stitching

This request is run a configuration audit of an L3VPN service with pseudowire stitching.

| | |
|--------------|---|
| URI | api/space/nsas/l3vpn/service-management/services/ <service-id> |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.service+xml The options for AuditNow and AuditLater can be provided in the Action element within the ?OperationSpecificData?. |
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml |
| Produces | Performs a functional audit of an L3VPN service with pseudowire stiching. |

Input

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="FunctionalAuditCustomActionType">
    <Action>AuditNow</Action>

  <IncludeAllExtension>true</IncludeAllExtension>
</CustomAction>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>754022</Value>
    </Identity>
    <Job>
      <ID>231082</ID>
      <Status>INPROGRESS</Status>
      <AssociatedJob>
        <ID>231083</ID>
        <Status>INPROGRESS</Status>
        <Code>200</Code>
        <Message>The Monitoring Audit was Successfully triggered. Please
          check the status using the JOB ID.</Message>
      </AssociatedJob>
    </Job>
    <Code>200</Code>
    <Message>The Functional Audit was Successfully triggered. Please check
      the status using the JOB ID.</Message>
  </Status>

```

```
</Data>
```

View the Functional Audit Results of an L3VPN Service with Pseudowire Stitching

This request is display the functional audit results of an L3VPN service with pseudowire stitching.

| | |
|-------------|---|
| URI | api/space/nsas/l3vpn/service-management/services/ view-functional-audit/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. functional-audit+xml |
| Produces | Displays the functional audit results of an L3VPN service with pseudowire stitching. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <AuditResults>
    <FunctionalAuditResult>
      <Common>
        <Name>nib</Name>
        <Identity>1441837</Identity>
        <State>Deployed</State>
      </Common>
      <ServiceType>L3VPN</ServiceType>
      <OperationState>Up</OperationState>
      <ServiceDefinitionName>L3VPN-BGP-Static</ServiceDefinitionName>
      <NoOfUNIs>2</NoOfUNIs>
      <UpUNIs>2</UpUNIs>
      <DownUNIs>0</DownUNIs>
    </FunctionalAuditResult>
  </AuditResults>
</Data>
```

```

<DeviceEnd>
  <DeviceName>ge-0/0/2.3 exora</DeviceName>
  <Topology>L3VPNFULLMESH</Topology>
  <OperationState>Up</OperationState>
  <NoOfRemoteUNIs>1</NoOfRemoteUNIs>
  <UpRemoteUNIs>1</UpRemoteUNIs>
  <DownRemoteUNIs>0</DownRemoteUNIs>
  <RemoteEnd>
    <ControlPlaneParams>
      <ControlPanelCommand>
        <Command>get-route-information</Command>
        <RemoteEndpoint>ge-0/1/3.1 jaipur</RemoteEndpoint>
        <CommandStatus>operational</CommandStatus>
      </ControlPanelCommand>
    </ControlPlaneParams>
    <DataPlaneParams>
      <Command>ping routing-instance remotehost</Command>
      <PacketsTransmitted>5</PacketsTransmitted>
      <PacketsReceived>5</PacketsReceived>
      <PacketsLostPercentage>0</PacketsLostPercentage>
    </DataPlaneParams>
  </RemoteEnd>
</DeviceEnd>
<DeviceEnd>
  <DeviceName>ge-0/1/3.1 jaipur</DeviceName>
  <Topology>L3VPNFULLMESH</Topology>
  <OperationState>Up</OperationState>
  <NoOfRemoteUNIs>0</NoOfRemoteUNIs>
  <UpRemoteUNIs>0</UpRemoteUNIs>
  <DownRemoteUNIs>0</DownRemoteUNIs>
</DeviceEnd>
<TroubleshootResult

href="/api/space/nsas/l3vpn/service-management/services/view-troubleshoot-results/1441837"

uri="/api/space/nsas/l3vpn/service-management/services/view-troubleshoot-results/1441837"
/>
</FunctionalAuditResult>
<PWStitchFAResult>
  <Common>
    <Name>nnibst</Name>

```

```

    <Identity>1376445</Identity>
    <State>Deployed</State>
  </Common>
  <ServiceType>ELINEMartini</ServiceType>
  <OperationState>Down</OperationState>
  <ServiceDefinitionName>PwS2</ServiceDefinitionName>
  <DeviceEnd>
    <DeviceName>lt-1/2/0 exora</DeviceName>
    <Topology>P2P</Topology>
    <OperationState>Down</OperationState>
    <RemoteEnd>
      <ControlPlaneParams>
        <ControlPanelCommand>
          <Command>get-l2ckt-connection-information</Command>
          <RemoteEndpoint>ge-0/0/9 kochin</RemoteEndpoint>
          <Result>Status: probably configuration missing on device
          </Result>
        </ControlPanelCommand>
      </ControlPlaneParams>
      <DataPlaneParams>
        <Command>request-ping-l2circuit-virtual-circuit</Command>
        <Result>Requested connection is down</Result>
      </DataPlaneParams>
      <ServiceStatistics>
        <Command>show interfaces lt-1/2/0.512 statistics</Command>
        <RemoteLoopbackIP>50.1.2.1</RemoteLoopbackIP>
        <VCID>2147467284</VCID>
      </ServiceStatistics>
    </RemoteEnd>
  </DeviceEnd>
  <DeviceEnd>
    <DeviceName>ge-0/0/9 kochin</DeviceName>
    <Topology>P2P</Topology>
    <OperationState>Down</OperationState>
    <RemoteEnd>
      <ControlPlaneParams>
        <ControlPanelCommand>
          <Command>get-l2ckt-connection-information</Command>
          <RemoteEndpoint>lt-1/2/0 exora</RemoteEndpoint>
          <CommandStatus>operational</CommandStatus>
        </ControlPanelCommand>
      </ControlPlaneParams>
    </RemoteEnd>
  </DeviceEnd>

```

```
<DataPlaneParams>
  <Command>request-ping-l2circuit-virtual-circuit</Command>
  <PacketsTransmitted>5</PacketsTransmitted>
  <PacketsReceived>0</PacketsReceived>
  <PacketsLostPercentage>100</PacketsLostPercentage>
</DataPlaneParams>
<ServiceStatistics>
  <Command>show interfaces ge-0/0/9.513 statistics</Command>
  <RemoteLoopbackIP>50.1.2.3</RemoteLoopbackIP>
  <VCID>2147467284</VCID>
</ServiceStatistics>
</RemoteEnd>
</DeviceEnd>
<TroubleshootResult

href="/api/space/nsas/eline-ptp/service-management/services/view-troubleshoot-results/1376445"

uri="/api/space/nsas/eline-ptp/service-management/services/view-troubleshoot-results/1376445"
/>
  </PWStitchFAResult>
</AuditResults>
</Data>
```

View the Monitoring and Troubleshooting Results of an L3VPN Service with Pseudowire Stitching

This request is display the results of troubleshooting and monitoring operations of an L3VPN service with pseudowire stitching.

| | |
|-------------|---|
| URI | api/space/nsas/l3vpn/service-management/services/ view-troubleshoot-results/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. troubleshoot-results+xml |
| Produces | Displays the troubleshooting results of an L3VPN service with pseudowire stitching. |

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data
  xmlns="services.schema.networkapi.jmp.juniper.net">
  <AuditResults>
    <TroubleshootResult>
      <DeviceEnd>
        <DeviceName>exora</DeviceName>
        <CommandResult>
          <Protocol>
            <UNI>
              <CommandDetails>
                <Command>show interface ge-0/0/2 terse
</Command>

                <Results>
                  <Row>
                    <Parameter>
                      <Name>Interface</Name>
                      <Value>
ge-0/0/2
</Value>

                    </Parameter>
                    <Parameter>
                      <Name>Link</Name>
                      <Value>

up
</Value>

                    </Parameter>
                    <Parameter>
                      <Name>Admin</Name>
                      <Value>

up
</Value>

                    </Parameter>
                  </Row>
                </Results>
              </UNI>
            </Protocol>
          </CommandResult>
        </DeviceEnd>
      </TroubleshootResult>
    </AuditResults>
  </Data>
</xml>
```

```

                                <Value>
ge-0/0/2.1
</Value>
                                </Parameter>
                                <Parameter>
                                    <Name>Link</Name>
                                    <Value>
up
</Value>
                                </Parameter>
                                <Parameter>
                                    <Name>Admin</Name>
                                    <Value>
up
</Value>
                                </Parameter>
</Row>
<Row>
    <Parameter>
        <Name>Interface</Name>
        <Value>
ge-0/0/2.2
</Value>
    </Parameter>
    <Parameter>
        <Name>Link</Name>
        <Value>
up
</Value>
    </Parameter>
    <Parameter>
        <Name>Admin</Name>
        <Value>
up
</Value>
    </Parameter>
</Row>
<Row>
    <Parameter>
        <Name>Interface</Name>
        <Value>
ge-0/0/2.3

```

```

</Value>

up
</Value>

up
</Value>

ge-0/0/2.14
</Value>

up
</Value>

up
</Value>

up
</Value>

ge-0/0/2.345
</Value>

</Parameter>
<Parameter>
  <Name>Link</Name>
  <Value>

</Parameter>
<Parameter>
  <Name>Admin</Name>
  <Value>

</Parameter>
</Row>
<Row>
  <Parameter>
    <Name>Interface</Name>
    <Value>

</Parameter>
<Parameter>
  <Name>Link</Name>
  <Value>

</Parameter>
<Parameter>
  <Name>Admin</Name>
  <Value>

</Parameter>
</Row>
<Row>
  <Parameter>
    <Name>Interface</Name>
    <Value>

</Parameter>

```



```

                                <Value>
ge-0/0/2.1
</Value>
                                </Parameter>
                                <Parameter>
                                    <Name>Input packets</Name>
                                    <Value>
0
</Value>
                                </Parameter>
                                <Parameter>
                                    <Name>Output packets</Name>
                                    <Value>
0
</Value>
                                </Parameter>
</Row>
<Row>
    <Parameter>
        <Name>Interface</Name>
        <Value>
ge-0/0/2.2
</Value>
    </Parameter>
    <Parameter>
        <Name>Input packets</Name>
        <Value>
1
</Value>
    </Parameter>
    <Parameter>
        <Name>Output packets</Name>
        <Value>
1
</Value>
    </Parameter>
</Row>
<Row>
    <Parameter>
        <Name>Interface</Name>
        <Value>
ge-0/0/2.3

```

```

</Value>

760
</Value>

760
</Value>

ge-0/0/2.14
</Value>

0
</Value>

0
</Value>

ge-0/0/2.345
</Value>

</Parameter>
<Parameter>
  <Name>Input packets</Name>
  <Value>

</Parameter>
<Parameter>
  <Name>Output packets</Name>
  <Value>

</Parameter>
</Row>
<Row>
  <Parameter>
    <Name>Interface</Name>
    <Value>

    </Parameter>
    <Parameter>
      <Name>Input packets</Name>
      <Value>

    </Parameter>
    <Parameter>
      <Name>Output packets</Name>
      <Value>

    </Parameter>
  </Row>
  <Row>
    <Parameter>
      <Name>Interface</Name>
      <Value>

    </Parameter>
  </Row>

```

```

                                <Parameter>
                                    <Name>Input packets</Name>
                                    <Value>
0
                                </Value>
                                </Parameter>
                                <Parameter>
                                    <Name>Output packets</Name>
                                    <Value>
0
                                </Value>
                                </Parameter>
                            </Row>
                            <Row>
                                <Parameter>
                                    <Name>Interface</Name>
                                    <Value>
ge-0/0/2.32767
                                </Value>
                                </Parameter>
                                <Parameter>
                                    <Name>Input packets</Name>
                                    <Value>
0
                                </Value>
                                </Parameter>
                                <Parameter>
                                    <Name>Output packets</Name>
                                    <Value>
0
                                </Value>
                                </Parameter>
                            </Row>
                        </Results>
                    </CommandDetails>
                </UNI>
            <MPLS>
                <CommandDetails>
                    <Command>show mpls lsp ingress</Command>
                    <Results>
                        <Row>
                            <Parameter>

```

```

        <Name>LSP Name</Name>
        <Value>exora-to-ACX3</Value>
    </Parameter>
    <Parameter>
        <Name>State</Name>
        <Value>Dn</Value>
    </Parameter>
    <Parameter>
        <Name>To</Name>
        <Value>30.1.2.9</Value>
    </Parameter>
    <Parameter>
        <Name>From</Name>
        <Value>50.1.2.3</Value>
    </Parameter>
</Row>
<Row>
    <Parameter>
        <Name>LSP Name</Name>
        <Value>exora-to-ACX5</Value>
    </Parameter>
    <Parameter>
        <Name>State</Name>
        <Value>Up</Value>
    </Parameter>
    <Parameter>
        <Name>To</Name>
        <Value>30.1.2.11</Value>
    </Parameter>
    <Parameter>
        <Name>From</Name>
        <Value>50.1.2.3</Value>
    </Parameter>
</Row>
<Row>
    <Parameter>
        <Name>LSP Name</Name>
        <Value>exora-to-f1100-a</Value>
    </Parameter>
    <Parameter>
        <Name>State</Name>
        <Value>Up</Value>

```

```

        </Parameter>
        <Parameter>
            <Name>To</Name>
            <Value>30.1.2.12</Value>
        </Parameter>
        <Parameter>
            <Name>From</Name>
            <Value>50.1.2.3</Value>
        </Parameter>
    </Row>
    <Row>
        <Parameter>
            <Name>LSP Name</Name>
            <Value>exora-to-f2100-b</Value>
        </Parameter>
        <Parameter>
            <Name>State</Name>
            <Value>Up</Value>
        </Parameter>
        <Parameter>
            <Name>To</Name>
            <Value>30.1.2.14</Value>
        </Parameter>
        <Parameter>
            <Name>From</Name>
            <Value>50.1.2.3</Value>
        </Parameter>
    </Row>
    <Row>
        <Parameter>
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        </Parameter>
        <Parameter>
            <Name>State</Name>
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        </Parameter>
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        </Parameter>
        <Parameter>

```

```

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    <Parameter>
        <Name>State</Name>
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    </Parameter>
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<Value>Add_New_Path_to_50_1_2_2</Value>
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        </Parameter>
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        </Parameter>
        <Parameter>
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        <Parameter>
            <Name>LSP Name</Name>
            <Value>exora-to-embassy</Value>
        </Parameter>
        <Parameter>
            <Name>State</Name>
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<Results>

```

```

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on device.</Message>

                                </Results>
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            </Parameter>
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```

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  </Parameter>

```



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```

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```

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```

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    <Parameter>
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    <Parameter>
      <Name>Lableout</Name>
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    </Parameter>

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```

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    <Results>
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```

```

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            <Parameter>
                <Name>State</Name>
                <Value>Full</Value>
            </Parameter>
            <Parameter>
                <Name>Address</Name>
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            <Parameter>
                <Name>ID</Name>
                <Value>50.1.2.2</Value>
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            <Parameter>
                <Name>Dead</Name>
                <Value>38</Value>
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                <Name>Priority</Name>

```

```

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<Row>
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        <Name>ID</Name>
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        <Parameter>
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            <Name>Address</Name>
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```

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```

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</DeviceEnd>
<DeviceEnd>
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    <CommandResult>
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            <UNI>
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</Command>

                <Results>
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                            <Value>
ge-0/1/3
</Value>

                        </Parameter>
                        <Parameter>
                            <Name>Link</Name>
                            <Value>
up

```

```

</Value>

up
</Value>

ge-0/1/3.1
</Value>

up
</Value>

up
</Value>

up
</Value>

ge-0/1/3.512
</Value>

up
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</Parameter>
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    <Name>Interface</Name>
    <Value>

</Parameter>
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up
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</Parameter>

```

```

up
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</Parameter>
</Row>
<Row>
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ge-0/1/3.514
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up
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up
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up
</Value>

</Parameter>
<Parameter>
  <Name>Admin</Name>

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up
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statistics</Command>
                                <Results>
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ge-0/1/3.1
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                                </Parameter>
                                <Parameter>
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                                <Value>
757
</Value>
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                                <Name>Output packets</Name>
                                <Value>
757
</Value>
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</Value>

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ge-0/1/3.32767
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                    <Name>State</Name>
                    <Value>Dn</Value>
                </Parameter>
                <Parameter>
                    <Name>To</Name>
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                    <Name>From</Name>
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```

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            <Parameter>
                <Name>State</Name>
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```

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```

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on device.</Message>

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terse</Command>

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on device.</Message>

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terse</Command>

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up
</Value>

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        </Parameter>
        <Parameter>
            <Name>State</Name>
            <Value>Up</Value>
        </Parameter>
        <Parameter>
            <Name>To</Name>
            <Value>50.1.2.1</Value>
        </Parameter>
        <Parameter>
            <Name>From</Name>
            <Value>50.1.2.2</Value>
        </Parameter>
    </Row>
    <Row>
        <Parameter>
            <Name>LSP Name</Name>
            <Value>f1100-a-to-Kochin</Value>

        </Parameter>
        <Parameter>
            <Name>State</Name>
            <Value>Up</Value>
        </Parameter>
        <Parameter>
            <Name>To</Name>
            <Value>50.1.2.1</Value>
        </Parameter>
        <Parameter>
            <Name>From</Name>
            <Value>30.1.2.12</Value>
        </Parameter>
    </Row>
    <Row>
        <Parameter>
            <Name>LSP Name</Name>
            <Value>f2100-b-to-Kochin</Value>

        </Parameter>

```

```

        <Parameter>
            <Name>State</Name>
            <Value>Up</Value>
        </Parameter>
        <Parameter>
            <Name>To</Name>
            <Value>50.1.2.1</Value>
        </Parameter>
        <Parameter>
            <Name>From</Name>
            <Value>30.1.2.14</Value>
        </Parameter>
    </Row>
    <Row>
        <Parameter>
            <Name>LSP Name</Name>
            <Value>exora-to-kochin</Value>
        </Parameter>
        <Parameter>
            <Name>State</Name>
            <Value>Up</Value>
        </Parameter>
        <Parameter>
            <Name>To</Name>
            <Value>50.1.2.1</Value>
        </Parameter>
        <Parameter>
            <Name>From</Name>
            <Value>50.1.2.3</Value>
        </Parameter>
    </Row>
    <Row>
        <Parameter>
            <Name>LSP Name</Name>
            <Value>Path_Protection_to_50_1_2_1</Value>
        </Parameter>
        <Parameter>
            <Name>State</Name>
            <Value>Up</Value>
        </Parameter>
        <Parameter>

```

```

        <Name>To</Name>
        <Value>50.1.2.1</Value>
    </Parameter>
    <Parameter>
        <Name>From</Name>
        <Value>50.1.2.3</Value>
    </Parameter>
</Row>
<Row>
    <Parameter>
        <Name>LSP Name</Name>
        <Value>ACX5-to-Kochin</Value>
    </Parameter>
    <Parameter>
        <Name>State</Name>
        <Value>Up</Value>
    </Parameter>
    <Parameter>
        <Name>To</Name>
        <Value>50.1.2.1</Value>
    </Parameter>
    <Parameter>
        <Name>From</Name>
        <Value>30.1.2.11</Value>
    </Parameter>
</Row>
<Row>
    <Parameter>
        <Name>LSP Name</Name>
        <Value>embassy-to-kochin</Value>

    </Parameter>
    <Parameter>
        <Name>State</Name>
        <Value>Up</Value>
    </Parameter>
    <Parameter>
        <Name>To</Name>
        <Value>50.1.2.1</Value>
    </Parameter>
    <Parameter>
        <Name>From</Name>

```

```

        <Value>50.1.2.4</Value>
      </Parameter>
    </Row>
  </Results>
</CommandDetails>
</MPLS>
</Protocol>
</CommandResult>
</DeviceEnd>
</PWStitchTSResult>
</AuditResults>
</Data>
```

View the Monitoring and Troubleshooting Results of an L3VPN Service

This request is display the results of troubleshooting and monitoring operations of an L3VPN service.

| | |
|-------------|---|
| URI | api/space/nsas/l3vpn/service-management/services/ view-troubleshoot-results/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. troubleshoot-results+xml |
| Produces | Displays the troubleshooting results of an L3VPN service. |

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <AuditResults>
    <TroubleshootResult>
      <DeviceEnd>
        <DeviceName>kochin</DeviceName>
      <CommandResult>
```

```

<Protocol>
  <ROUTE>
    <CommandDetails>
      <Command>show rsvp session ingress</Command>
      <Results>
        <Row>
          <Parameter>
            <Name>LSP Name</Name>
            <Value>to_jaipur</Value>
          </Parameter>
          <Parameter>
            <Name>State</Name>
            <Value>Up</Value>
          </Parameter>
          <Parameter>
            <Name>To</Name>
            <Value>50.1.2.2</Value>
          </Parameter>
          <Parameter>
            <Name>Lablein</Name>
            <Value>-</Value>
          </Parameter>
          <Parameter>
            <Name>Lableout</Name>
            <Value>3</Value>
          </Parameter>
          <Parameter>
            <Name>From</Name>
            <Value>50.1.2.1</Value>
          </Parameter>
        </Row>
      </Results>
    </CommandDetails>
    <CommandDetails>
      <Command>show rsvp session egress</Command>
      <Results>
        <Row>
          <Parameter>
            <Name>LSP Name</Name>
            <Value>to_kochin_ldp</Value>
          </Parameter>
          <Parameter>

```

```

        <Name>State</Name>
        <Value>Up</Value>
    </Parameter>
    <Parameter>
        <Name>To</Name>
        <Value>50.1.2.1</Value>
    </Parameter>
    <Parameter>
        <Name>Lablein</Name>
        <Value>3</Value>
    </Parameter>
    <Parameter>
        <Name>Lableout</Name>
        <Value>-</Value>
    </Parameter>
    <Parameter>
        <Name>From</Name>
        <Value>50.1.2.4</Value>
    </Parameter>
</Row>
</Results>
</CommandDetails>
<CommandDetails>
    <Command>show route table bgp.l3vpn.0</Command>
    <Results>
        <Row>
            <Parameter>
                <Name>LSP Name</Name>
                <Value></Value>
            </Parameter>
            <Parameter>
                <Name>Next Hop</Name>
                <Value></Value>
            </Parameter>
            <Parameter>
                <Name>To</Name>
                <Value></Value>
            </Parameter>
            <Parameter>
                <Name>Destination</Name>
                <Value></Value>
            </Parameter>

```

```

    </Row>
  </Results>
</CommandDetails>
<CommandDetails>
  <Command>show ospf neighbor</Command>
  <Results>
    <Row>
      <Parameter>
        <Name>Interface</Name>
        <Value>ge-0/0/1.0</Value>
      </Parameter>
      <Parameter>
        <Name>State</Name>
        <Value>Full</Value>
      </Parameter>
      <Parameter>
        <Name>Address</Name>
        <Value>40.1.1.2</Value>
      </Parameter>
      <Parameter>
        <Name>ID</Name>
        <Value>50.1.2.2</Value>
      </Parameter>
      <Parameter>
        <Name>Dead</Name>
        <Value>32</Value>
      </Parameter>
      <Parameter>
        <Name>Priority</Name>
        <Value>128</Value>
      </Parameter>
    </Row>
  </Results>
</CommandDetails>
<CommandDetails>
  <Command>show ldp session</Command>
  <Results>
    <Row>
      <Parameter>
        <Name>Hold Time</Name>
        <Value>21</Value>
      </Parameter>

```

```

    <Parameter>
      <Name>State</Name>
      <Value>Operational</Value>
    </Parameter>
    <Parameter>
      <Name>Address</Name>
      <Value>50.1.2.2</Value>
    </Parameter>
    <Parameter>
      <Name>Connection</Name>
      <Value>Open</Value>
    </Parameter>
  </Row>
</Results>
</CommandDetails>
</ROUTE>
<UNI>
  <CommandDetails>
    <Command>show interface ge-0/0/4 terse </Command>
    <Results>
      <Row>
        <Parameter>
          <Name>Interface</Name>
          <Value>
            ge-0/0/4
          </Value>
        </Parameter>
        <Parameter>
          <Name>Link</Name>
          <Value>
            up
          </Value>
        </Parameter>
        <Parameter>
          <Name>Admin</Name>
          <Value>
            up
          </Value>
        </Parameter>
      </Row>
    </Results>
  </CommandDetails>

```

```
<CommandDetails>
  <Command>show interfaces ge-0/0/4 statistics</Command>
  <Results>
    <Row>
      <Parameter>
        <Name>Interface</Name>
        <Value>
          ge-0/0/4.1
        </Value>
      </Parameter>
      <Parameter>
        <Name>Input packets</Name>
        <Value>
          0
        </Value>
      </Parameter>
      <Parameter>
        <Name>Output packets</Name>
        <Value>
          0
        </Value>
      </Parameter>
    </Row>
    <Row>
      <Parameter>
        <Name>Interface</Name>
        <Value>
          ge-0/0/4.2
        </Value>
      </Parameter>
      <Parameter>
        <Name>Input packets</Name>
        <Value>
          0
        </Value>
      </Parameter>
      <Parameter>
        <Name>Output packets</Name>
        <Value>
          0
        </Value>
      </Parameter>
    </Row>
  </Results>
</CommandDetails>
```

```

    </Row>

  </Results>
</CommandDetails>
</UNI>
<MPLS>
  <CommandDetails>
    <Command>show mpls lsp ingress</Command>
    <Results>
      <Row>
        <Parameter>
          <Name>LSP Name</Name>
          <Value>to_jaipur</Value>
        </Parameter>
        <Parameter>
          <Name>State</Name>
          <Value>Up</Value>
        </Parameter>
        <Parameter>
          <Name>To</Name>
          <Value>50.1.2.2</Value>
        </Parameter>
        <Parameter>
          <Name>From</Name>
          <Value>50.1.2.1</Value>
        </Parameter>
      </Row>

    </Results>
  </CommandDetails>
  <CommandDetails>
    <Command>show mpls lsp egress</Command>
    <Results>
      <Row>
        <Parameter>
          <Name>LSP Name</Name>
          <Value>to_kochin_ldp</Value>
        </Parameter>
        <Parameter>
          <Name>State</Name>
          <Value>Up</Value>
        </Parameter>

```

```

        <Parameter>
          <Name>To</Name>
          <Value>50.1.2.1</Value>
        </Parameter>
        <Parameter>
          <Name>From</Name>
          <Value>50.1.2.4</Value>
        </Parameter>
      </Row>

    </Results>
  </CommandDetails>
<CommandDetails>
  <Command>show mpls static-lsp ingress</Command>
  <Results>
    <Row>
      <Parameter>
        <Name>LSP Name</Name>
        <Value></Value>
      </Parameter>
      <Parameter>
        <Name>State</Name>
        <Value></Value>
      </Parameter>
      <Parameter>
        <Name>To</Name>
        <Value></Value>
      </Parameter>
      <Parameter>
        <Name>From</Name>
        <Value></Value>
      </Parameter>
    </Row>
  </Results>
</CommandDetails>
</MPLS>
</Protocol>
</CommandResult>
</DeviceEnd>
<DeviceEnd>
  <DeviceName>jaipur</DeviceName>
</CommandResult>

```

```

<Protocol>
  <ROUTE>
    <CommandDetails>
      <Command>show rsvp session ingress</Command>
      <Results>
        <Row>
          <Parameter>
            <Name>LSP Name</Name>
            <Value>RSVP1_to_50_1_2_1</Value>
          </Parameter>
          <Parameter>
            <Name>State</Name>
            <Value>Up</Value>
          </Parameter>
          <Parameter>
            <Name>To</Name>
            <Value>50.1.2.1</Value>
          </Parameter>
          <Parameter>
            <Name>Lablein</Name>
            <Value>-</Value>
          </Parameter>
          <Parameter>
            <Name>Lableout</Name>
            <Value>3</Value>
          </Parameter>
          <Parameter>
            <Name>From</Name>
            <Value>50.1.2.2</Value>
          </Parameter>
        </Row>
      </Results>
    </CommandDetails>
    <CommandDetails>
      <Command>show rsvp session egress</Command>
      <Results>
        <Row>
          <Parameter>
            <Name>LSP Name</Name>
            <Value>to_jaipur_ldp</Value>
          </Parameter>

```

```

    <Parameter>
      <Name>State</Name>
      <Value>Up</Value>
    </Parameter>
    <Parameter>
      <Name>To</Name>
      <Value>50.1.2.2</Value>
    </Parameter>
    <Parameter>
      <Name>Lablein</Name>
      <Value>3</Value>
    </Parameter>
    <Parameter>
      <Name>Lableout</Name>
      <Value>-</Value>
    </Parameter>
    <Parameter>
      <Name>From</Name>
      <Value>50.1.2.3</Value>
    </Parameter>
  </Row>

</Results>
</CommandDetails>
<CommandDetails>
  <Command>show route table bgp.l3vpn.0</Command>
  <Results>
    <Row>
      <Parameter>
        <Name>LSP Name</Name>
        <Value></Value>
      </Parameter>
      <Parameter>
        <Name>Next Hop</Name>
        <Value></Value>
      </Parameter>
      <Parameter>
        <Name>To</Name>
        <Value></Value>
      </Parameter>
      <Parameter>
        <Name>Destination</Name>

```

```

        <Value></Value>
    </Parameter>
</Row>
</Results>
</CommandDetails>
<CommandDetails>
    <Command>show ospf neighbor</Command>
    <Results>
        <Row>
            <Parameter>
                <Name>Interface</Name>
                <Value>ge-0/0/1.0</Value>
            </Parameter>
            <Parameter>
                <Name>State</Name>
                <Value>Full</Value>
            </Parameter>
            <Parameter>
                <Name>Address</Name>
                <Value>40.1.1.1</Value>
            </Parameter>
            <Parameter>
                <Name>ID</Name>
                <Value>50.1.2.1</Value>
            </Parameter>
            <Parameter>
                <Name>Dead</Name>
                <Value>37</Value>
            </Parameter>
            <Parameter>
                <Name>Priority</Name>
                <Value>128</Value>
            </Parameter>
        </Row>
    </Results>
</CommandDetails>
<CommandDetails>
    <Command>show ldp session</Command>
    <Results>
        <Row>
            <Parameter>
                <Name>Hold Time</Name>

```

```

        <Value>27</Value>
      </Parameter>
    <Parameter>
      <Name>State</Name>
      <Value>Operational</Value>
    </Parameter>
    <Parameter>
      <Name>Address</Name>
      <Value>50.1.2.1</Value>
    </Parameter>
    <Parameter>
      <Name>Connection</Name>
      <Value>Open</Value>
    </Parameter>
  </Row>

</Results>
</CommandDetails>
</ROUTE>
<UNI>
  <CommandDetails>
    <Command>show interface ge-0/0/3 terse </Command>
    <Results>
      <Row>
        <Parameter>
          <Name>Interface</Name>
          <Value>
            ge-0/0/3
          </Value>
        </Parameter>
        <Parameter>
          <Name>Link</Name>
          <Value>
            up
          </Value>
        </Parameter>
        <Parameter>
          <Name>Admin</Name>
          <Value>
            up
          </Value>
        </Parameter>
      </Row>
    </Results>
  </CommandDetails>
</UNI>

```

```

    </Row>

  </Results>
</CommandDetails>
<CommandDetails>
  <Command>show interfaces ge-0/0/3 statistics</Command>
  <Results>
    <Row>
      <Parameter>
        <Name>Interface</Name>
        <Value>
          ge-0/0/3.1
        </Value>
      </Parameter>
      <Parameter>
        <Name>Input packets</Name>
        <Value>
          0
        </Value>
      </Parameter>
      <Parameter>
        <Name>Output packets</Name>
        <Value>
          0
        </Value>
      </Parameter>
    </Row>

  </Results>
</CommandDetails>
</UNI>
<MPLS>
  <CommandDetails>
    <Command>show mpls lsp ingress</Command>
    <Results>
      <Row>
        <Parameter>
          <Name>LSP Name</Name>
          <Value>RSVP1_to_50_1_2_1</Value>
        </Parameter>
        <Parameter>
          <Name>State</Name>

```

```

        <Value>Up</Value>
      </Parameter>
    <Parameter>
      <Name>To</Name>
      <Value>50.1.2.1</Value>
    </Parameter>
    <Parameter>
      <Name>From</Name>
      <Value>50.1.2.2</Value>
    </Parameter>
  </Row>

</Results>
</CommandDetails>
<CommandDetails>
  <Command>show mpls lsp egress</Command>
  <Results>
    <Row>
      <Parameter>
        <Name>LSP Name</Name>
        <Value>to_jaipur_ldp</Value>
      </Parameter>
      <Parameter>
        <Name>State</Name>
        <Value>Up</Value>
      </Parameter>
      <Parameter>
        <Name>To</Name>
        <Value>50.1.2.2</Value>
      </Parameter>
      <Parameter>
        <Name>From</Name>
        <Value>50.1.2.3</Value>
      </Parameter>
    </Row>

  </Results>
</CommandDetails>
<CommandDetails>
  <Command>show mpls static-lsp ingress</Command>
  <Results>
    <Row>

```

```
<Parameter>
  <Name>LSP Name</Name>
  <Value></Value>
</Parameter>
<Parameter>
  <Name>State</Name>
  <Value></Value>
</Parameter>
<Parameter>
  <Name>To</Name>
  <Value></Value>
</Parameter>
<Parameter>
  <Name>From</Name>
  <Value></Value>
</Parameter>
</Row>
</Results>
</CommandDetails>
</MPLS>
</Protocol>
</CommandResult>
</DeviceEnd>
</TroubleshootResult>
</AuditResults>
</Data>
```

Run a Configuration Audit of an MVPN Service

This request is run a configuration audit of an MVPN service.

| | |
|--------------|---|
| URI | api/space/nsas/l3vpn/service-management/ services/<service-id> |
| HTTP Method | POST |
| Content Type | application/vnd.netjuniper.space.service-management.service+xml The options for AuditNow and AuditLater can be provided in the Action element within the ?OperationSpecificData?. |

| | |
|----------|---|
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml |
| Produces | Performs a configuration audit of an MVPN service. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="ConfigAuditCustomActionType">
    <Action>AuditNow</Action>
    <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
  </CustomAction>
</Data>
```

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>262378</Value>
    </Identity>
    <Job>
      <ID>1998913</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Configurational Audit was Successfully triggered.Please
      check the status using the JOB ID.</Message>
  </Status>
</Data>
```

Run a Functional Audit of an MVPN Service

This request is run a configuration audit of an MVPN service.

| | |
|--------------|---|
| URI | api/space/nsas/l3vpn/service-management/ services/<service-id> |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.service+xml The options for AuditNow and AuditLater can be provided in the Action element within the ?OperationSpecificData?. |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml |
| Produces | Performs a functional audit of an MVPN service. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="FunctionalAuditCustomActionType">
    <Action>AuditNow</Action>
    <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
  </CustomAction>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
```

```
<Identity>
  <Type>Service</Type>
  <Value>16351293</Value>
</Identity>
<Job>
  <ID>4883134</ID>
  <Status>INPROGRESS</Status>
  <AssociatedJob>
    <ID>4883135</ID>
    <Status>INPROGRESS</Status>
    <Code>200</Code>
    <Message>The Monitoring Audit was Successfully triggered. Please
      check the status using the JOB ID.</Message>
  </AssociatedJob>
</Job>
<Code>200</Code>
<Message>The Functional Audit was Successfully triggered. Please check
  the status using the JOB ID.</Message>
</Status>
</Data>
```

View the Configuration Audit Results of an MVPN Service (Version 1)

This request is display the configuration audit results of an MVPN service in version 1 format.

| | |
|-------------|--|
| URI | api/space/nsas/l3vpn/service-management/services/ view-configuration-audit/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. config-audit+xml |
| Produces | Displays the configuration audit results of an MVPN service. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<AuditResults>
  <ConfigurationAuditResult>
    <ConfigDeviceEnd>
      <DeviceName>junos-mx80-2-space</DeviceName>
      <DeviceStatus>Up</DeviceStatus>
      <Details>Successfully Config Audited </Details>
    </ConfigDeviceEnd>
    <ConfigDeviceEnd>
      <DeviceName>junos-mx80-2-space</DeviceName>
      <DeviceStatus>Up</DeviceStatus>
      <Details>Successfully Config Audited </Details>
    </ConfigDeviceEnd>
    <ConfigDeviceEnd>
      <DeviceName>junos-mx80-1-space</DeviceName>
      <DeviceStatus>Up</DeviceStatus>
      <Details>Successfully Config Audited </Details>
    </ConfigDeviceEnd>
    <ConfigDeviceEnd>
      <DeviceName>junos-mx80-1-space</DeviceName>
      <DeviceStatus>Up</DeviceStatus>
      <Details>Successfully Config Audited </Details>
    </ConfigDeviceEnd>
  </ConfigurationAuditResult>
</AuditResults>
</Data>
```

View the Configuration Audit Results of an MVPN Service (Version 2)

This request is display the configuration audit results of an MVPN service in version 2 format.

| | |
|-------------|--|
| URI | api/space/nsas/l3vpn/service-management/services/ view-configuration-audit/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. config-audit+xml;version=2 |

Produces

Displays the configuration audit results of an MVPN service.

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<AuditResults>
  <ConfigurationAuditResult>
    <ConfigurationAuditStatus>Down</ConfigurationAuditStatus>
    <ConfigurationAuditTimestamp>2016-02-05
17:32:03.0</ConfigurationAuditTimestamp>
    <ConfigDeviceEnd>
      <DeviceName>junos-mx80-2-space</DeviceName>
      <DeviceStatus>Up</DeviceStatus>
      <Details>Successfully Config Audited </Details>
    </ConfigDeviceEnd>
    <ConfigDeviceEnd>
      <DeviceName>junos-mx80-2-space</DeviceName>
      <DeviceStatus>Up</DeviceStatus>
      <Details>Successfully Config Audited </Details>
    </ConfigDeviceEnd>
    <ConfigDeviceEnd>
      <DeviceName>junos-mx80-1-space</DeviceName>
      <DeviceStatus>Up</DeviceStatus>
      <Details>Successfully Config Audited </Details>
    </ConfigDeviceEnd>
    <ConfigDeviceEnd>
      <DeviceName>junos-mx80-1-space</DeviceName>
      <DeviceStatus>Up</DeviceStatus>
      <Details>Successfully Config Audited </Details>
    </ConfigDeviceEnd>
  </ConfigurationAuditResult>
</AuditResults>
</Data>
```

View the Functional Audit Results of an MVPN Service

This request is display the functional audit results of an MVPN service.

| | |
|-------------|---|
| URI | api/space/nsas/l3vpn/service-management/services/view-functional-audit/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.functional-audit+xml |
| Produces | Displays the functional audit results of an MVPN service. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <AuditResults>
    <FunctionalAuditResult>
      <Common>
        <Name>MVPN1</Name>
        <Identity>16351293</Identity>
        <State>Deployed</State>
      </Common>
      <ServiceType>L3VPN</ServiceType>
      <OperationState>Up</OperationState>
      <ServiceDefinitionName>L3VPN-OSPF-Static</ServiceDefinitionName>
      <NoOfUNIs>4</NoOfUNIs>
      <UpUNIs>4</UpUNIs>
      <DownUNIs>0</DownUNIs>
      <DeviceEnd>
        <DeviceName>lo0.55 junos-mx80-1-space</DeviceName>
        <Topology>L3VPNFULLMESH</Topology>
        <OperationState>Up</OperationState>
        <NoOfRemoteUNIs>2</NoOfRemoteUNIs>
        <UpRemoteUNIs>2</UpRemoteUNIs>
        <DownRemoteUNIs>0</DownRemoteUNIs>
      </DeviceEnd>
      <ControlPlaneParams>
```

```

    <ControlPanelCommand>
      <Command>get-route-information</Command>
      <RemoteEndpoint>ge-1/2/7.2 junos-mx80-2-space</RemoteEndpoint>
      <CommandStatus>operational</CommandStatus>
    </ControlPanelCommand>
  </ControlPlaneParams>
  <DataPlaneParams>
    <Command>ping routing-instance remotehost</Command>
    <PacketsTransmitted>5</PacketsTransmitted>
    <PacketsReceived>5</PacketsReceived>
    <PacketsLostPercentage>0</PacketsLostPercentage>
  </DataPlaneParams>
</RemoteEnd>
<RemoteEnd>
  <ControlPlaneParams>
    <ControlPanelCommand>
      <Command>get-route-information</Command>
      <RemoteEndpoint>lo0.55 junos-mx80-2-space</RemoteEndpoint>
      <CommandStatus>operational</CommandStatus>
    </ControlPanelCommand>
  </ControlPlaneParams>
  <DataPlaneParams>
    <Command>ping routing-instance remotehost</Command>
    <PacketsTransmitted>5</PacketsTransmitted>
    <PacketsReceived>5</PacketsReceived>
    <PacketsLostPercentage>0</PacketsLostPercentage>
  </DataPlaneParams>
</RemoteEnd>
</DeviceEnd>
<DeviceEnd>
  <DeviceName>ge-1/2/7.2 junos-mx80-2-space</DeviceName>
  <Topology>L3VPNFULLMESH</Topology>
  <OperationState>Up</OperationState>
  <NoOfRemoteUNIs>2</NoOfRemoteUNIs>
  <UpRemoteUNIs>2</UpRemoteUNIs>
  <DownRemoteUNIs>0</DownRemoteUNIs>
</RemoteEnd>
  <ControlPlaneParams>
    <ControlPanelCommand>
      <Command>get-route-information</Command>
      <RemoteEndpoint>lo0.55 junos-mx80-1-space</RemoteEndpoint>
      <CommandStatus>operational</CommandStatus>

```

```

    </ControlPanelCommand>
  </ControlPlaneParams>
<DataPlaneParams>
  <Command>ping routing-instance remotehost</Command>
  <PacketsTransmitted>5</PacketsTransmitted>
  <PacketsReceived>5</PacketsReceived>
  <PacketsLostPercentage>0</PacketsLostPercentage>
</DataPlaneParams>
</RemoteEnd>
<RemoteEnd>
  <ControlPlaneParams>
    <ControlPanelCommand>
      <Command>get-route-information</Command>
      <RemoteEndpoint>ge-1/2/5.1 junos-mx80-1-space</RemoteEndpoint>
      <CommandStatus>operational</CommandStatus>
    </ControlPanelCommand>
  </ControlPlaneParams>
<DataPlaneParams>
  <Command>ping routing-instance remotehost</Command>
  <PacketsTransmitted>5</PacketsTransmitted>
  <PacketsReceived>5</PacketsReceived>
  <PacketsLostPercentage>0</PacketsLostPercentage>
</DataPlaneParams>
</RemoteEnd>
</DeviceEnd>
<DeviceEnd>
  <DeviceName>lo0.55 junos-mx80-2-space</DeviceName>
  <Topology>L3VPNFULLMESH</Topology>
  <OperationState>Up</OperationState>
  <NoOfRemoteUNIs>2</NoOfRemoteUNIs>
  <UpRemoteUNIs>2</UpRemoteUNIs>
  <DownRemoteUNIs>0</DownRemoteUNIs>
  <RemoteEnd>
    <ControlPlaneParams>
      <ControlPanelCommand>
        <Command>get-route-information</Command>
        <RemoteEndpoint>lo0.55 junos-mx80-1-space</RemoteEndpoint>
        <CommandStatus>operational</CommandStatus>
      </ControlPanelCommand>
    </ControlPlaneParams>
  <DataPlaneParams>
    <Command>ping routing-instance remotehost</Command>

```

```

    <PacketsTransmitted>5</PacketsTransmitted>
    <PacketsReceived>5</PacketsReceived>
    <PacketsLostPercentage>0</PacketsLostPercentage>
  </DataPlaneParams>
</RemoteEnd>
<RemoteEnd>
  <ControlPlaneParams>
    <ControlPanelCommand>
      <Command>get-route-information</Command>
      <RemoteEndpoint>ge-1/2/5.1 junos-mx80-1-space</RemoteEndpoint>
      <CommandStatus>operational</CommandStatus>
    </ControlPanelCommand>
  </ControlPlaneParams>
  <DataPlaneParams>
    <Command>ping routing-instance remotehost</Command>
    <PacketsTransmitted>5</PacketsTransmitted>
    <PacketsReceived>5</PacketsReceived>
    <PacketsLostPercentage>0</PacketsLostPercentage>
  </DataPlaneParams>
</RemoteEnd>
</DeviceEnd>
<DeviceEnd>
  <DeviceName>ge-1/2/5.1 junos-mx80-1-space</DeviceName>
  <Topology>L3VPNFULLMESH</Topology>
  <OperationState>Up</OperationState>
  <NoOfRemoteUNIs>2</NoOfRemoteUNIs>
  <UpRemoteUNIs>2</UpRemoteUNIs>
  <DownRemoteUNIs>0</DownRemoteUNIs>
  <RemoteEnd>
    <ControlPlaneParams>
      <ControlPanelCommand>
        <Command>get-route-information</Command>
        <RemoteEndpoint>ge-1/2/7.2 junos-mx80-2-space</RemoteEndpoint>
        <CommandStatus>operational</CommandStatus>
      </ControlPanelCommand>
    </ControlPlaneParams>
    <DataPlaneParams>
      <Command>ping routing-instance remotehost</Command>
      <PacketsTransmitted>5</PacketsTransmitted>
      <PacketsReceived>5</PacketsReceived>
      <PacketsLostPercentage>0</PacketsLostPercentage>
    </DataPlaneParams>
  </RemoteEnd>
</DeviceEnd>

```

```
</RemoteEnd>
<RemoteEnd>
  <ControlPlaneParams>
    <ControlPanelCommand>
      <Command>get-route-information</Command>
      <RemoteEndpoint>lo0.55 junos-mx80-2-space</RemoteEndpoint>
      <CommandStatus>operational</CommandStatus>
    </ControlPanelCommand>
  </ControlPlaneParams>
  <DataPlaneParams>
    <Command>ping routing-instance remotehost</Command>
    <PacketsTransmitted>5</PacketsTransmitted>
    <PacketsReceived>5</PacketsReceived>
    <PacketsLostPercentage>0</PacketsLostPercentage>
  </DataPlaneParams>
</RemoteEnd>
</DeviceEnd>
<TroubleshootResult

href="/api/space/nsas/l3vpn/service-management/services/view-troubleshoot-results/16351293"

uri="/api/space/nsas/l3vpn/service-management/services/view-troubleshoot-results/16351293"
/>
  </FunctionalAuditResult>
</AuditResults>
</Data>
```

View the Service Configuration Change Results of an MVPN Service

This request is display the service configuration changes of an MVPN service.

| | |
|-------------|--|
| URI | api/space/nsas/l3vpn/service-management/services/ view-serviceconfiguration-change/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. config-change+xml |

Produces

Displays the service configuration change results of an MVPN service.

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <AuditResults>
    <ServiceConfigurationChangeResult>
      <ServiceConfigDeviceEnd>
        <DeviceName>junos-mx80-2-space</DeviceName>
        <Configuration>set interfaces ge-1/2/7 unit 2 family inet address
          10.0.88.69/30
          set interfaces ge-1/2/7 unit 2 vlan-id 2
          set interfaces ge-1/2/7 flexible-vlan-tagging
          set interfaces lo0 unit 55 family inet address 10.0.99.152/32
          delete interfaces lo0 flexible-vlan-tagging
          set policy-options community MVPN1_fm_fm_comm members
          target:69:1444102153
          set policy-options policy-statement MVPN1_fm_bgp2ospf_pol term a from
            protocol bgp
          set policy-options policy-statement MVPN1_fm_bgp2ospf_pol term a then
            accept
          set policy-options policy-statement MVPN1_fm_bgp2ospf_pol term b then
            reject
          set policy-options policy-statement MVPN1_fm_fm_export_pol term a from
            protocol ospf
          set policy-options policy-statement MVPN1_fm_fm_export_pol term a from
            protocol direct
          set policy-options policy-statement MVPN1_fm_fm_export_pol term a then
            community MVPN1_fm_fm_comm add
          set policy-options policy-statement MVPN1_fm_fm_export_pol term a then
            community MVPN1_fm_fm_comm add
          set policy-options policy-statement MVPN1_fm_fm_export_pol term a then
            accept
          set policy-options policy-statement MVPN1_fm_fm_export_pol term b then
            reject
          set policy-options policy-statement MVPN1_fm_fm_import_pol term a from
            community MVPN1_fm_fm_comm
          set policy-options policy-statement MVPN1_fm_fm_import_pol term a from
```

```

protocol bgp
set policy-options policy-statement MVPN1_fm_fm_import_pol term a from
protocol ospf
set policy-options policy-statement MVPN1_fm_fm_import_pol term a from
protocol direct
set policy-options policy-statement MVPN1_fm_fm_import_pol term a then
accept
set policy-options policy-statement MVPN1_fm_fm_import_pol term b then
reject
set routing-instances MVPN1_fm interface ge-1/2/7.2
set routing-instances MVPN1_fm interface lo0.55
set routing-instances MVPN1_fm vrf-export MVPN1_fm_fm_export_pol
set routing-instances MVPN1_fm vrf-import MVPN1_fm_fm_import_pol
set routing-instances MVPN1_fm instance-type vrf
set routing-instances MVPN1_fm protocols mvpn route-target
export-target target target:69:1444102153
set routing-instances MVPN1_fm protocols mvpn route-target
import-target target target-value target:69:1444102153
set routing-instances MVPN1_fm protocols mvpn receiver-site
set routing-instances MVPN1_fm protocols ospf area 0.0.0.0 interface
ge-1/2/7.2
set routing-instances MVPN1_fm protocols ospf area 0.0.0.0 interface
lo0.55
set routing-instances MVPN1_fm protocols ospf export
MVPN1_fm_bgp2ospf_pol
set routing-instances MVPN1_fm protocols pim interface ge-1/2/7.2 mode
sparse
set routing-instances MVPN1_fm protocols pim interface lo0.55 mode
sparse
set routing-instances MVPN1_fm protocols pim rp local address
10.0.99.152
set routing-instances MVPN1_fm route-distinguisher 69:1556676656
set routing-instances MVPN1_fm vrf-table-label
set routing-options auto-export
</Configuration>
</ServiceConfigDeviceEnd>
<ServiceConfigDeviceEnd>
  <DeviceName>junos-mx80-2-space</DeviceName>
  <Configuration>set interfaces ge-1/2/7 unit 2 family inet address
    10.0.88.69/30
    set interfaces ge-1/2/7 unit 2 vlan-id 2
    set interfaces ge-1/2/7 flexible-vlan-tagging

```

```

set interfaces lo0 unit 55 family inet address 10.0.99.152/32
delete interfaces lo0 flexible-vlan-tagging
set policy-options community MVPN1_fm_fm_comm members
target:69:1444102153
set policy-options policy-statement MVPN1_fm_bgp2ospf_pol term a from
protocol bgp
set policy-options policy-statement MVPN1_fm_bgp2ospf_pol term a then
accept
set policy-options policy-statement MVPN1_fm_bgp2ospf_pol term b then
reject
set policy-options policy-statement MVPN1_fm_fm_export_pol term a from
protocol ospf
set policy-options policy-statement MVPN1_fm_fm_export_pol term a from
protocol direct
set policy-options policy-statement MVPN1_fm_fm_export_pol term a then
community MVPN1_fm_fm_comm add
set policy-options policy-statement MVPN1_fm_fm_export_pol term a then
community MVPN1_fm_fm_comm add
set policy-options policy-statement MVPN1_fm_fm_export_pol term a then
accept
set policy-options policy-statement MVPN1_fm_fm_export_pol term b then
reject
set policy-options policy-statement MVPN1_fm_fm_import_pol term a from
community MVPN1_fm_fm_comm
set policy-options policy-statement MVPN1_fm_fm_import_pol term a from
protocol bgp
set policy-options policy-statement MVPN1_fm_fm_import_pol term a from
protocol ospf
set policy-options policy-statement MVPN1_fm_fm_import_pol term a from
protocol direct
set policy-options policy-statement MVPN1_fm_fm_import_pol term a then
accept
set policy-options policy-statement MVPN1_fm_fm_import_pol term b then
reject
set routing-instances MVPN1_fm interface ge-1/2/7.2
set routing-instances MVPN1_fm interface lo0.55
set routing-instances MVPN1_fm vrf-export MVPN1_fm_fm_export_pol
set routing-instances MVPN1_fm vrf-import MVPN1_fm_fm_import_pol
set routing-instances MVPN1_fm instance-type vrf
set routing-instances MVPN1_fm protocols mvpn route-target
export-target target target:69:1444102153
set routing-instances MVPN1_fm protocols mvpn route-target

```

```

import-target target target-value target:69:1444102153
set routing-instances MVPN1_fm protocols mvpn receiver-site
set routing-instances MVPN1_fm protocols ospf area 0.0.0.0 interface
ge-1/2/7.2
set routing-instances MVPN1_fm protocols ospf area 0.0.0.0 interface
lo0.55
set routing-instances MVPN1_fm protocols ospf export
MVPN1_fm_bgp2ospf_pol
set routing-instances MVPN1_fm protocols pim interface ge-1/2/7.2 mode
sparse
set routing-instances MVPN1_fm protocols pim interface lo0.55 mode
sparse
set routing-instances MVPN1_fm protocols pim rp local address
10.0.99.152
set routing-instances MVPN1_fm route-distinguisher 69:1556676656
set routing-instances MVPN1_fm vrf-table-label
set routing-options auto-export
</Configuration>
</ServiceConfigDeviceEnd>
<ServiceConfigDeviceEnd>
<DeviceName>junos-mx80-1-space</DeviceName>
<Configuration>set interfaces ge-1/2/5 unit 1 family inet address
10.0.77.61/30
set interfaces ge-1/2/5 unit 1 vlan-id 1
set interfaces ge-1/2/5 flexible-vlan-tagging
set interfaces lo0 unit 55 family inet address 10.0.88.44/32
delete interfaces lo0 flexible-vlan-tagging
set policy-options community MVPN1_fm_fm_comm members
target:69:1444102153
set policy-options policy-statement MVPN1_fm_bgp2ospf_pol term a from
protocol bgp
set policy-options policy-statement MVPN1_fm_bgp2ospf_pol term a then
accept
set policy-options policy-statement MVPN1_fm_bgp2ospf_pol term b then
reject
set policy-options policy-statement MVPN1_fm_fm_export_pol term a from
protocol ospf
set policy-options policy-statement MVPN1_fm_fm_export_pol term a from
protocol direct
set policy-options policy-statement MVPN1_fm_fm_export_pol term a then
community MVPN1_fm_fm_comm add
set policy-options policy-statement MVPN1_fm_fm_export_pol term a then

```

```

community MVPN1_fm_fm_comm add
set policy-options policy-statement MVPN1_fm_fm_export_pol term a then
accept
set policy-options policy-statement MVPN1_fm_fm_export_pol term b then
reject
set policy-options policy-statement MVPN1_fm_fm_import_pol term a from
community MVPN1_fm_fm_comm
set policy-options policy-statement MVPN1_fm_fm_import_pol term a from
protocol bgp
set policy-options policy-statement MVPN1_fm_fm_import_pol term a from
protocol ospf
set policy-options policy-statement MVPN1_fm_fm_import_pol term a from
protocol direct
set policy-options policy-statement MVPN1_fm_fm_import_pol term a then
accept
set policy-options policy-statement MVPN1_fm_fm_import_pol term b then
reject
set routing-instances MVPN1_fm interface ge-1/2/5.1
set routing-instances MVPN1_fm interface lo0.55
set routing-instances MVPN1_fm vrf-export MVPN1_fm_fm_export_pol
set routing-instances MVPN1_fm vrf-import MVPN1_fm_fm_import_pol
set routing-instances MVPN1_fm instance-type vrf
set routing-instances MVPN1_fm protocols mvpn route-target
export-target target target:69:1444102153
set routing-instances MVPN1_fm protocols mvpn route-target
import-target target target-value target:69:1444102153
set routing-instances MVPN1_fm protocols mvpn sender-site
set routing-instances MVPN1_fm protocols ospf area 0.0.0.0 interface
ge-1/2/5.1
set routing-instances MVPN1_fm protocols ospf area 0.0.0.0 interface
lo0.55
set routing-instances MVPN1_fm protocols ospf export
MVPN1_fm_bgp2ospf_pol
set routing-instances MVPN1_fm protocols pim interface ge-1/2/5.1 mode
sparse
set routing-instances MVPN1_fm protocols pim interface lo0.55 mode
sparse
set routing-instances MVPN1_fm protocols pim rp local address
10.0.77.61
set routing-instances MVPN1_fm provider-tunnel rsvp-te
label-switched-path-template template-name templ
set routing-instances MVPN1_fm route-distinguisher 69:1556676655

```

```

    set routing-instances MVPN1_fm vrf-table-label
    set routing-options auto-export
  </Configuration>
</ServiceConfigDeviceEnd>
<ServiceConfigDeviceEnd>
  <DeviceName>junos-mx80-1-space</DeviceName>
  <Configuration>set interfaces ge-1/2/5 unit 1 family inet address
    10.0.77.61/30
    set interfaces ge-1/2/5 unit 1 vlan-id 1
    set interfaces ge-1/2/5 flexible-vlan-tagging
    set interfaces lo0 unit 55 family inet address 10.0.88.44/32
    delete interfaces lo0 flexible-vlan-tagging
    set policy-options community MVPN1_fm_fm_comm members
    target:69:1444102153
    set policy-options policy-statement MVPN1_fm_bgp2ospf_pol term a from
    protocol bgp
    set policy-options policy-statement MVPN1_fm_bgp2ospf_pol term a then
    accept
    set policy-options policy-statement MVPN1_fm_bgp2ospf_pol term b then
    reject
    set policy-options policy-statement MVPN1_fm_fm_export_pol term a from
    protocol ospf
    set policy-options policy-statement MVPN1_fm_fm_export_pol term a from
    protocol direct
    set policy-options policy-statement MVPN1_fm_fm_export_pol term a then
    community MVPN1_fm_fm_comm add
    set policy-options policy-statement MVPN1_fm_fm_export_pol term a then
    community MVPN1_fm_fm_comm add
    set policy-options policy-statement MVPN1_fm_fm_export_pol term a then
    accept
    set policy-options policy-statement MVPN1_fm_fm_export_pol term b then
    reject
    set policy-options policy-statement MVPN1_fm_fm_import_pol term a from
    community MVPN1_fm_fm_comm
    set policy-options policy-statement MVPN1_fm_fm_import_pol term a from
    protocol bgp
    set policy-options policy-statement MVPN1_fm_fm_import_pol term a from
    protocol ospf
    set policy-options policy-statement MVPN1_fm_fm_import_pol term a from
    protocol direct
    set policy-options policy-statement MVPN1_fm_fm_import_pol term a then
    accept

```

```

set policy-options policy-statement MVPN1_fm_fm_import_pol term b then
reject
set routing-instances MVPN1_fm interface ge-1/2/5.1
set routing-instances MVPN1_fm interface lo0.55
set routing-instances MVPN1_fm vrf-export MVPN1_fm_fm_export_pol
set routing-instances MVPN1_fm vrf-import MVPN1_fm_fm_import_pol
set routing-instances MVPN1_fm instance-type vrf
set routing-instances MVPN1_fm protocols mvpn route-target
export-target target target:69:1444102153
set routing-instances MVPN1_fm protocols mvpn route-target
import-target target target-value target:69:1444102153
set routing-instances MVPN1_fm protocols mvpn sender-site
set routing-instances MVPN1_fm protocols ospf area 0.0.0.0 interface
ge-1/2/5.1
set routing-instances MVPN1_fm protocols ospf area 0.0.0.0 interface
lo0.55
set routing-instances MVPN1_fm protocols ospf export
MVPN1_fm_bgp2ospf_pol
set routing-instances MVPN1_fm protocols pim interface ge-1/2/5.1 mode
sparse
set routing-instances MVPN1_fm protocols pim interface lo0.55 mode
sparse
set routing-instances MVPN1_fm protocols pim rp local address
10.0.77.61
set routing-instances MVPN1_fm provider-tunnel rsvp-te
label-switched-path-template template-name templ
set routing-instances MVPN1_fm route-distinguisher 69:1556676655
set routing-instances MVPN1_fm vrf-table-label
set routing-options auto-export
</Configuration>
</ServiceConfigDeviceEnd>
</ServiceConfigurationChangeResult>
</AuditResults>
</Data>

```

View the Monitoring and Troubleshooting Results of an MVPN Service

This request is display the results of troubleshooting and monitoring operations of an MVPN service.

| | |
|-------------|---|
| URI | api/space/nsas/l3vpn/service-management/services/view-troubleshoot-results/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.troubleshoot-results+xml |
| Produces | Displays the troubleshooting results of an MVPN service. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <AuditResults>
    <TroubleshootResult>
      <DeviceEnd>
        <DeviceName>junos-mx80-1-space</DeviceName>
        <CommandResult>
          <Protocol>
            <UNI>
              <CommandDetails>
                <Command>show interface lo0 terse </Command>
                <Results>
                  <Row>
                    <Parameter>
                      <Name>Interface</Name>
                      <Value>
                        lo0
          </Value>
                    </Parameter>
                    <Parameter>
                      <Name>Link</Name>
                      <Value>
                        up
          </Value>
```

```

        </Parameter>
        <Parameter>
          <Name>CommandStatus</Name>
          <Value>true</Value>
        </Parameter>
        <Parameter>
          <Name>Admin</Name>
          <Value>
            up
</Value>
        </Parameter>
      </Row>
    <Row>
      <Parameter>
        <Name>Interface</Name>
        <Value>
          1o0.0
</Value>
      </Parameter>
      <Parameter>
        <Name>Link</Name>
        <Value>
          up
</Value>
      </Parameter>
      <Parameter>
        <Name>CommandStatus</Name>
        <Value>true</Value>
      </Parameter>
      <Parameter>
        <Name>Admin</Name>
        <Value>
          up
</Value>
      </Parameter>
    </Row>
  <Row>
    <Parameter>
      <Name>Interface</Name>
      <Value>
        1o0.22
</Value>

```

```

        </Parameter>
        <Parameter>
            <Name>Link</Name>
            <Value>
                up
</Value>
        </Parameter>
        <Parameter>
            <Name>CommandStatus</Name>
            <Value>true</Value>
        </Parameter>
        <Parameter>
            <Name>Admin</Name>
            <Value>
                up
</Value>
        </Parameter>
    </Row>
    <Row>
        <Parameter>
            <Name>Interface</Name>
            <Value>
                lo0.30
</Value>
        </Parameter>
        <Parameter>
            <Name>Link</Name>
            <Value>
                up
</Value>
        </Parameter>
        <Parameter>
            <Name>CommandStatus</Name>
            <Value>true</Value>
        </Parameter>
        <Parameter>
            <Name>Admin</Name>
            <Value>
                up
</Value>
        </Parameter>
    </Row>

```

```

        <Row>
          <Parameter>
            <Name>Interface</Name>
            <Value>
              1o0.44
</Value>
          </Parameter>
          <Parameter>
            <Name>Link</Name>
            <Value>
              up
</Value>
          </Parameter>
          <Parameter>
            <Name>CommandStatus</Name>
            <Value>true</Value>
          </Parameter>
          <Parameter>
            <Name>Admin</Name>
            <Value>
              up
</Value>
          </Parameter>
        </Row>
        <Row>
          <Parameter>
            <Name>Interface</Name>
            <Value>
              1o0.55
</Value>
          </Parameter>
          <Parameter>
            <Name>Link</Name>
            <Value>
              up
</Value>
          </Parameter>
          <Parameter>
            <Name>CommandStatus</Name>
            <Value>true</Value>
          </Parameter>
          <Parameter>

```

```

        <Name>Admin</Name>
        <Value>
            up
    </Value>
    </Parameter>
</Row>
<Row>
    <Parameter>
        <Name>Interface</Name>
        <Value>
            lo0.101
    </Value>
    </Parameter>
    <Parameter>
        <Name>Link</Name>
        <Value>
            up
    </Value>
    </Parameter>
    <Parameter>
        <Name>CommandStatus</Name>
        <Value>true</Value>
    </Parameter>
    <Parameter>
        <Name>Admin</Name>
        <Value>
            up
    </Value>
    </Parameter>
</Row>
<Row>
    <Parameter>
        <Name>Interface</Name>
        <Value>
            lo0.120
    </Value>
    </Parameter>
    <Parameter>
        <Name>Link</Name>
        <Value>
            up
    </Value>

```

```

        </Parameter>
        <Parameter>
            <Name>CommandStatus</Name>
            <Value>true</Value>
        </Parameter>
        <Parameter>
            <Name>Admin</Name>
            <Value>
                up
</Value>
        </Parameter>
    </Row>
    <Row>
        <Parameter>
            <Name>Interface</Name>
            <Value>
                1o0.16384
</Value>
        </Parameter>
        <Parameter>
            <Name>Link</Name>
            <Value>
                up
</Value>
        </Parameter>
        <Parameter>
            <Name>CommandStatus</Name>
            <Value>true</Value>
        </Parameter>
        <Parameter>
            <Name>Admin</Name>
            <Value>
                up
</Value>
        </Parameter>
    </Row>
    <Row>
        <Parameter>
            <Name>Interface</Name>
            <Value>
                1o0.16385
</Value>

```

```

        </Parameter>
        <Parameter>
          <Name>Link</Name>
          <Value>
            up
          </Value>
        </Parameter>
        <Parameter>
          <Name>CommandStatus</Name>
          <Value>true</Value>
        </Parameter>
        <Parameter>
          <Name>Admin</Name>
          <Value>
            up
          </Value>
        </Parameter>
      </Row>
    </Results>
  </CommandDetails>
</UNI>
</Protocol>
</CommandResult>
</DeviceEnd>
</TroubleshootResult>
</AuditResults>
</Data>

```

Run a Configuration Audit of an E-LAN Service

This request is run a configuration audit of an E-LAN service.

| | |
|-------------|--|
| URI | api/space/nsas/vpls/service-management/ services/<service-id> |
| HTTP Method | POST |

| | |
|--------------|---|
| Content Type | application/vnd.net.juniper.space.service-management.service+xml The options for AuditNow and AuditLater can be provided in the Action element within the ?OperationSpecificData?. |
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml |
| Produces | Performs a configuration audit of an E-LAN service. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="ConfigAuditCustomActionType">
    <Action>AuditNow</Action>
    <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
  </CustomAction>
</Data>
```

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>262378</Value>
    </Identity>
    <Job>
      <ID>1998913</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Configurational Audit was Successfully triggered.Please
```

```

        check the status using the JOB ID.</Message>
    </Status>
</Data>

```

Run a Functional Audit of an E-LAN Service

This request is run a configuration audit of an E-LAN service.

| | |
|--------------|--|
| URI | api/space/nsas/vpls/service-management/ services/<service-id> |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management. service+xml The options for AuditNow and AuditLater can be provided in the Action element within the ?OperationSpecificData?. |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml |
| Produces | Performs a functional audit of an E-LAN service. |

Input

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="FunctionalAuditCustomActionType">
    <Action>AuditNow</Action>
    <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
  </CustomAction>
</Data>

```

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>262378</Value>
    </Identity>
    <Job>
      <ID>1998913</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Functional Audit was Successfully triggered.Please
      check the status using the JOB ID.</Message>
    </Status>
  </Data>
```

View the Configuration Audit Results of an E-LAN Service (Version 1)

This request is display the configuration audit results of an E-LAN service in version 1 format.

| | |
|-------------|---|
| URI | api/space/nsas/vpls/service-management/services/ view-configuration-audit/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. config-audit+xml |
| Produces | Displays the configuration audit results of an E-LAN service. |

Output

Sample XML Output

```

<AuditResults>
  <ConfigurationAuditResult>
    <ConfigDeviceEnd>
      <DeviceName>kochin</DeviceName>
      <DeviceStatus>Down</DeviceStatus>
      <Details>Mismatch [
        attributePath=/deviceobj/junos_11.4R2.14/configuration/interfaces/
interface[name="ge-0/0/4"]/unit[name="6"]
        ] Current null
        Mismatch [
          attributePath=/deviceobj/junos_11.4R2.14/configuration/policy-options/
policy-statement[name="TESTL3VPN_2_spoke_bgp2ospf_pol"]
          ] Current null
          Mismatch [
            attributePath=/deviceobj/junos_11.4R2.14/configuration/policy-options/
policy-statement[name="TESTL3VPN_2_spoke_hsl_export_pol"]
            ] Current null

            Mismatch [
              attributePath=/deviceobj/junos_11.4R2.14/configuration/policy-options/
policy-statement[name="TESTL3VPN_2_spoke_hsl_import_pol"]
              ] Current null
              Mismatch [ attributePath=/deviceobj/junos</Details>
            </ConfigDeviceEnd>
          <ConfigDeviceEnd>
            <DeviceName>jaipur</DeviceName>
            <DeviceStatus>Up</DeviceStatus>
            <Details>Successfully Config Audited
            </Details>
          </ConfigDeviceEnd>
        </ConfigurationAuditResult>
      </AuditResults>
    </Data>

```

View the Configuration Audit Results of an E-LAN Service (Version 2)

This request is display the configuration audit results of an E-LAN service in version 2 format.

URI

api/space/nsas/vpls/service-management/services/
view-configuration-audit/<service-id>

| | |
|-------------|---|
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.config-audit+xml;version=2 |
| Produces | Displays the configuration audit results of an E-LAN service. |

Output

Sample XML Output

```
<AuditResults>
  <ConfigurationAuditResult>
    <ConfigurationAuditStatus>Down</ConfigurationAuditStatus>
    <ConfigurationAuditTimestamp>2016-02-05
17:32:03.0</ConfigurationAuditTimestamp>
    <ConfigDeviceEnd>
      <DeviceName>kochin</DeviceName>
      <DeviceStatus>Down</DeviceStatus>
      <Details>Mismatch [
        attributePath=/deviceobj/junos_11.4R2.14/configuration/interfaces/
interface[name="ge-0/0/4"]/unit[name="6"]
        ] Current null
        Mismatch [
          attributePath=/deviceobj/junos_11.4R2.14/configuration/policy-options/
policy-statement[name="TESTL3VPN_2_spoke_bgp2ospf_pol"]
          ] Current null
          Mismatch [
            attributePath=/deviceobj/junos_11.4R2.14/configuration/policy-options/
policy-statement[name="TESTL3VPN_2_spoke_hsl_export_pol"]
            ] Current null

            Mismatch [
              attributePath=/deviceobj/junos_11.4R2.14/configuration/policy-options/
policy-statement[name="TESTL3VPN_2_spoke_hsl_import_pol"]
              ] Current null
              Mismatch [ attributePath=/deviceobj/junos</Details>
</ConfigDeviceEnd>
<ConfigDeviceEnd>
  <DeviceName>jaipur</DeviceName>
  <DeviceStatus>Up</DeviceStatus>
```

```
<Details>Successfully Config Audited
</Details>
</ConfigDeviceEnd>
</ConfigurationAuditResult>
</AuditResults>
</Data>
```

View the Functional Audit Results of an E-LAN Service

This request is display the functional audit results of an E-LAN service.

| | |
|-------------|--|
| URI | api/space/nsas/vpls/service-management/services/ view-functional-audit/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. functional-audit+xml |
| Produces | Displays the functional audit results of an E-LAN service. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<AuditResults>
<FunctionalAuditResult>
<Common>
<Name>TESTVPLS_1</Name>
<Identity>2162763</Identity>
<State>Deployed</State>
</Common>
<ServiceType>VPLS</ServiceType>
<OperationState>Down</OperationState>
<ServiceDefinitionName> ELAN_BGP_QINQ_ALLVLAN </ServiceDefinitionName>
<NoOfUNIs>2</NoOfUNIs>
```

```

<UpUNIs>0</UpUNIs>
<DownUNIs>2</DownUNIs>
<DeviceEnd>
  <DeviceName>ge-0/0/4.6 kochin</DeviceName>
  <Topology> ELAN_VPLS </Topology>
  <OperationState>Down</OperationState>
  <NoOfRemoteUNIs>1</NoOfRemoteUNIs>
  <UpRemoteUNIs>0</UpRemoteUNIs>
  <DownRemoteUNIs>1</DownRemoteUNIs>
  <RemoteEnd>
    <ControlPlaneParams>
      <Command>get-route-information</Command>
      <RemoteEndpoint>ge-0/0/3.7 jaipur</RemoteEndpoint>
      <Result>Status: probably configuration missing on device
    </Result>
    </ControlPlaneParams>
    <DataPlaneParams>
      <Command>ping routing-instance remotehost</Command>
      <Result>Status: probably configuration missing on device
    </Result>
    </DataPlaneParams>
  </RemoteEnd>
</DeviceEnd>
<DeviceEnd>
  <DeviceName>ge-0/0/3.7 jaipur</DeviceName>
  <Topology> ELAN_VPLS </Topology>
  <OperationState>Down</OperationState>
  <NoOfRemoteUNIs>1</NoOfRemoteUNIs>
  <UpRemoteUNIs>0</UpRemoteUNIs>
  <DownRemoteUNIs>1</DownRemoteUNIs>
  <RemoteEnd>
    <ControlPlaneParams>
      <Command>get-route-information</Command>
      <RemoteEndpoint>ge-0/0/4.6 kochin</RemoteEndpoint>
      <Result>Status: probably configuration missing on device
    </Result>
    </ControlPlaneParams>
    <DataPlaneParams>
      <Command>ping routing-instance remotehost</Command>
      <PacketsTransmitted>5</PacketsTransmitted>
      <PacketsReceived>0</PacketsReceived>
      <PacketsLostPercentage>100</PacketsLostPercentage>
    </DataPlaneParams>
  </RemoteEnd>
</DeviceEnd>

```

```
        </DataPlaneParams>
      </RemoteEnd>
    </DeviceEnd>
  </FunctionalAuditResult>
</AuditResults>
</Data>
```

View the Service Configuration Change Results of an E-LAN Service

This request is display the service configuration changes of an E-LAN service.

| | |
|-------------|---|
| URI | api/space/nsas/vpls/service-management/services/ view-serviceconfiguration-change/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. config-change+xml |
| Produces | Displays the service configuration change results of an E-LAN service. |

Output

Sample XML Output

```
<Data
  xmlns="services.schema.networkapi.jmp.juniper.net">
  <AuditResults>
    <ServiceConfigurationChangeResult>
      <ServiceConfigDeviceEnd>
        <DeviceName>embassy</DeviceName>
        <Configuration>
          <configuration>
            <firewall>
              <policer>
                <name>policer_in_ge-1/0/1_784</name>
```

```

        <if-exceeding>
        <bandwidth-limit>10000000</bandwidth-limit>

        <burst-size-limit>15220</burst-size-limit>

        </if-exceeding>
        <then>
            <discard/>
        </then>
    </policer>
    <family>
        <ccc>
            <filter>
                <name>filter_in_ge-1/0/1_784</name>
                <interface-specific/>
                <term>
                    <name>1</name>
                    <then>
                        <accept/>
                    </then>
                </term>
            </filter>
        </ccc>
    </family>
</firewall>
<interfaces>
    <interface>
        <name>ge-1/0/1</name>
        <flexible-vlan-tagging/>
        <mtu>1522</mtu>

        <encapsulation>flexible-ethernet-services</encapsulation>
        <unit>
            <name>784</name>
            <description>No
description available for selected UNI
interface.</description>
            <encapsulation>vlan-ccc</encapsulation>
        </family>
    </interface>
    <ccc>

```

```

                                <filter>

<input>filter_in_ge-1/0/1_784</input>

                                </filter>
                                </ccc>
                                </family>
                                <vlan-tags>
                                    <outer>784</outer>
                                </vlan-tags>
                                </unit>
                            </interface>
                        </interfaces>
                        <protocols>
                            <l2circuit>
                                <neighbor>
                                    <name>50.1.2.3</name>
                                    <interface>
                                        <name>ge-1/0/1.784</name>

<virtual-circuit-id>1456783</virtual-circuit-id>
                                    <no-control-word/>
                                    <mtu>1522</mtu>
                                </interface>
                            </neighbor>
                        </l2circuit>
                    </protocols>
                </configuration>
            </Configuration>
        </ServiceConfigDeviceEnd>
    <ServiceConfigDeviceEnd>
        <DeviceName>exora</DeviceName>
        <Configuration>
            <configuration>
                <firewall>
                    <policer>
                        <name>policer_in_ge-0/1/1_784</name>
                        <if-exceeding>
                            <bandwidth-limit>10000000</bandwidth-limit>

                            <burst-size-limit>15220</burst-size-limit>

                        </if-exceeding>
                    </policer>
                </firewall>
            </configuration>
        </Configuration>
    </ServiceConfigDeviceEnd>
</DeviceName>
</Configuration>
</ServiceConfigDeviceEnd>
</ServiceConfigDeviceEnd>

```

```

        <then>
            <discard/>
        </then>
    </policer>
</family>
<ccc>
    <filter>
        <name>filter_in_ge-0/1/1_784</name>
        <interface-specific/>
        <term>
            <name>1</name>
            <then>

<policer>policer_in_ge-0/1/1_784</policer>
                <accept/>
            </then>
        </term>
    </filter>
</ccc>
</family>
</firewall>
<interfaces>
    <interface>
        <name>ge-0/1/1</name>
        <flexible-vlan-tagging/>
        <mtu>1522</mtu>

<encapsulation>flexible-ethernet-services</encapsulation>
        <unit>
            <name>784</name>
            <description>No
description available for selected UNI
interface.</description>
            <encapsulation>vlan-ccc</encapsulation>
        </family>
        <ccc>
            <filter>

<input>filter_in_ge-0/1/1_784</input>
                </filter>
            </ccc>
        </family>

```

```

        <vlan-tags>
            <outer>784</outer>
        </vlan-tags>
    </unit>
</interface>
</interfaces>
<protocols>
    <l2circuit>
        <neighbor>
            <name>50.1.2.4</name>
            <interface>
                <name>ge-0/1/1.784</name>
            </interface>
        </neighbor>
    </l2circuit>
</protocols>
<policy-options/>
</configuration>
</Configuration>
</ServiceConfigDeviceEnd>
</ServiceConfigurationChangeResult>
</AuditResults>
</Data>
```

View the Monitoring and Troubleshooting Results of an E-LAN Service

This request is display the results of troubleshooting and monitoring operations of an E-LAN service.

| | |
|-------------|--|
| URI | api/space/nsas/vpls/service-management/services/ view-troubleshoot-results/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. troubleshoot-results+xml |

Produces

Displays the troubleshooting results of an E-LAN service.

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<AuditResults>
<TroubleshootResult>
  <DeviceEnd>
  <DeviceName>kochin</DeviceName>
  <CommandResult>
    <Protocol>
    <ROUTE>
      <CommandDetails>
        <Command>show rsvp session ingress</Command>
      <Results>
        <Row>
          <Parameter>
            <Name>LSP Name</Name>
            <Value>to_jaipur</Value>
          </Parameter>
          <Parameter>
            <Name>State</Name>
            <Value>Up</Value>
          </Parameter>
          <Parameter>
            <Name>To</Name>
            <Value>50.1.2.2</Value>
          </Parameter>
          <Parameter>
            <Name>Lablein</Name>
            <Value>-</Value>
          </Parameter>
          <Parameter>
            <Name>Lableout</Name>
            <Value>3</Value>
          </Parameter>
          <Parameter>
            <Name>From</Name>
            <Value>50.1.2.1</Value>
          </Parameter>
        </Row>
      </Results>
    </Protocol>
  </CommandResult>
</TroubleshootResult>
</AuditResults>
</Data>
```

```

    </Row>
  </Results>
</CommandDetails>
<CommandDetails>
  <Command>show rsvp session egress</Command>
  <Results>
    <Row>
      <Parameter>
        <Name>LSP Name</Name>
        <Value>to_kochin_ldp</Value>
      </Parameter>
      <Parameter>
        <Name>State</Name>
        <Value>Up</Value>
      </Parameter>
      <Parameter>
        <Name>To</Name>
        <Value>50.1.2.1</Value>
      </Parameter>
      <Parameter>
        <Name>Lablein</Name>
        <Value>3</Value>
      </Parameter>
      <Parameter>
        <Name>Lableout</Name>
        <Value>-</Value>
      </Parameter>
      <Parameter>
        <Name>From</Name>
        <Value>50.1.2.4</Value>
      </Parameter>
    </Row>
  </Results>
</CommandDetails>
<CommandDetails>
  <Command>show route table bgp.l3vpn.0</Command>
  <Results>
    <Row>
      <Parameter>
        <Name>LSP Name</Name>
        <Value></Value>
      </Parameter>

```

```

    <Parameter>
      <Name>Next Hop</Name>
      <Value></Value>
    </Parameter>
    <Parameter>
      <Name>To</Name>
      <Value></Value>
    </Parameter>
    <Parameter>
      <Name>Destination</Name>
      <Value></Value>
    </Parameter>
  </Row>
</Results>
</CommandDetails>
<CommandDetails>
  <Command>show ospf neighbor</Command>
  <Results>
    <Row>
      <Parameter>
        <Name>Interface</Name>
        <Value>ge-0/0/1.0</Value>
      </Parameter>
      <Parameter>
        <Name>State</Name>
        <Value>Full</Value>
      </Parameter>
      <Parameter>
        <Name>Address</Name>
        <Value>40.1.1.2</Value>
      </Parameter>
      <Parameter>
        <Name>ID</Name>
        <Value>50.1.2.2</Value>
      </Parameter>
      <Parameter>
        <Name>Dead</Name>
        <Value>32</Value>
      </Parameter>
      <Parameter>
        <Name>Priority</Name>
        <Value>128</Value>

```

```

        </Parameter>
    </Row>
</Results>
</CommandDetails>
<CommandDetails>
    <Command>show ldp session</Command>
    <Results>
        <Row>
            <Parameter>
                <Name>Hold Time</Name>
                <Value>21</Value>
            </Parameter>
            <Parameter>
                <Name>State</Name>
                <Value>Operational</Value>
            </Parameter>
            <Parameter>
                <Name>Address</Name>
                <Value>50.1.1.2</Value>
            </Parameter>
            <Parameter>
                <Name>Connection</Name>
                <Value>Open</Value>
            </Parameter>
        </Row>
    </Results>
</CommandDetails>
</ROUTE>
<UNI>
    <CommandDetails>
        <Command>show interface ge-0/0/4 terse </Command>
        <Results>
            <Row>
                <Parameter>
                    <Name>Interface</Name>
                    <Value>
                        ge-0/0/4
                    </Value>
                </Parameter>
                <Parameter>
                    <Name>Link</Name>
                    <Value>

```

```

        up
      </Value>
    </Parameter>
  <Parameter>
    <Name>Admin</Name>
    <Value>
      up
    </Value>
  </Parameter>
</Row>
</Results>
</CommandDetails>
<CommandDetails>
  <Command>show interfaces ge-0/0/4 statistics</Command>
  <Results>
    <Row>
      <Parameter>
        <Name>Interface</Name>
        <Value>
          ge-0/0/4.1
        </Value>
      </Parameter>
      <Parameter>
        <Name>Input packets</Name>
        <Value>
          0
        </Value>
      </Parameter>
      <Parameter>
        <Name>Output packets</Name>
        <Value>
          0
        </Value>
      </Parameter>
    </Row>
    <Row>
      <Parameter>
        <Name>Interface</Name>
        <Value>
          ge-0/0/4.2
        </Value>
      </Parameter>

```

```

    <Parameter>
      <Name>Input packets</Name>
      <Value>
        0
      </Value>
    </Parameter>
    <Parameter>
      <Name>Output packets</Name>
      <Value>
        0
      </Value>
    </Parameter>
  </Row>

</Results>
</CommandDetails>
</UNI>
<MPLS>
  <CommandDetails>
    <Command>show mpls lsp ingress</Command>
    <Results>
      <Row>
        <Parameter>
          <Name>LSP Name</Name>
          <Value>to_jaipur</Value>
        </Parameter>
        <Parameter>
          <Name>State</Name>
          <Value>Up</Value>
        </Parameter>
        <Parameter>
          <Name>To</Name>
          <Value>50.1.2.2</Value>
        </Parameter>
        <Parameter>
          <Name>From</Name>
          <Value>50.1.2.1</Value>
        </Parameter>
      </Row>

    </Results>
  </CommandDetails>

```

```

<CommandDetails>
  <Command>show mpls lsp egress</Command>
  <Results>
    <Row>
      <Parameter>
        <Name>LSP Name</Name>
        <Value>to_kochin_ldp</Value>
      </Parameter>
      <Parameter>
        <Name>State</Name>
        <Value>Up</Value>
      </Parameter>
      <Parameter>
        <Name>To</Name>
        <Value>50.1.2.1</Value>
      </Parameter>
      <Parameter>
        <Name>From</Name>
        <Value>50.1.2.4</Value>
      </Parameter>
    </Row>

  </Results>
</CommandDetails>
<CommandDetails>
  <Command>show mpls static-lsp ingress</Command>
  <Results>
    <Row>
      <Parameter>
        <Name>LSP Name</Name>
        <Value></Value>
      </Parameter>
      <Parameter>
        <Name>State</Name>
        <Value></Value>
      </Parameter>
      <Parameter>
        <Name>To</Name>
        <Value></Value>
      </Parameter>
      <Parameter>
        <Name>From</Name>

```

```

        <Value></Value>
      </Parameter>
    </Row>
  </Results>
</CommandDetails>
</MPLS>
</Protocol>
</CommandResult>
</DeviceEnd>
<DeviceEnd>
  <DeviceName>jaipur</DeviceName>
  <CommandResult>
    <Protocol>
      <ROUTE>
        <CommandDetails>
          <Command>show rsvp session ingress</Command>
          <Results>
            <Row>
              <Parameter>
                <Name>LSP Name</Name>
                <Value>RSVP1_to_50_1_2_1</Value>
              </Parameter>
              <Parameter>
                <Name>State</Name>
                <Value>Up</Value>
              </Parameter>
              <Parameter>
                <Name>To</Name>
                <Value>50.1.2.1</Value>
              </Parameter>
              <Parameter>
                <Name>Lablein</Name>
                <Value>-</Value>
              </Parameter>
              <Parameter>
                <Name>Lableout</Name>
                <Value>3</Value>
              </Parameter>
              <Parameter>
                <Name>From</Name>
                <Value>50.1.2.2</Value>
              </Parameter>
            </Row>
          </Results>
        </CommandDetails>
      </Protocol>
    </CommandResult>
  </DeviceEnd>
</DeviceEnd>

```

```

</Row>

</Results>
</CommandDetails>
<CommandDetails>
<Command>show rsvp session egress</Command>
<Results>
<Row>
  <Parameter>
    <Name>LSP Name</Name>
    <Value>to_jaipur_ldp</Value>
  </Parameter>
  <Parameter>
    <Name>State</Name>
    <Value>Up</Value>
  </Parameter>
  <Parameter>
    <Name>To</Name>
    <Value>50.1.2.2</Value>
  </Parameter>
  <Parameter>
    <Name>Lablein</Name>
    <Value>3</Value>
  </Parameter>
  <Parameter>
    <Name>Lableout</Name>
    <Value>-</Value>
  </Parameter>
  <Parameter>
    <Name>From</Name>
    <Value>50.1.2.3</Value>
  </Parameter>
</Row>

</Results>
</CommandDetails>
<CommandDetails>
<Command>show route table bgp.13vpn.0</Command>
<Results>
<Row>
  <Parameter>
    <Name>LSP Name</Name>

```

```

        <Value></Value>
    </Parameter>
    <Parameter>
        <Name>Next Hop</Name>
        <Value></Value>
    </Parameter>
    <Parameter>
        <Name>To</Name>
        <Value></Value>
    </Parameter>
    <Parameter>
        <Name>Destination</Name>
        <Value></Value>
    </Parameter>
</Row>
</Results>
</CommandDetails>
<CommandDetails>
    <Command>show ospf neighbor</Command>
    <Results>
        <Row>
            <Parameter>
                <Name>Interface</Name>
                <Value>ge-0/0/1.0</Value>
            </Parameter>
            <Parameter>
                <Name>State</Name>
                <Value>Full</Value>
            </Parameter>
            <Parameter>
                <Name>Address</Name>
                <Value>40.1.1.1</Value>
            </Parameter>
            <Parameter>
                <Name>ID</Name>
                <Value>50.1.2.1</Value>
            </Parameter>
            <Parameter>
                <Name>Dead</Name>
                <Value>37</Value>
            </Parameter>
            <Parameter>

```

```

        <Name>Priority</Name>
        <Value>128</Value>
    </Parameter>
</Row>
</Results>
</CommandDetails>
<CommandDetails>
    <Command>show ldp session</Command>
    <Results>
        <Row>
            <Parameter>
                <Name>Hold Time</Name>
                <Value>27</Value>
            </Parameter>
            <Parameter>
                <Name>State</Name>
                <Value>Operational</Value>
            </Parameter>
            <Parameter>
                <Name>Address</Name>
                <Value>50.1.2.1</Value>
            </Parameter>
            <Parameter>
                <Name>Connection</Name>
                <Value>Open</Value>
            </Parameter>
        </Row>

    </Results>
</CommandDetails>
</ROUTE>
<UNI>
    <CommandDetails>
        <Command>show interface ge-0/0/3 terse </Command>
        <Results>
            <Row>
                <Parameter>
                    <Name>Interface</Name>
                    <Value>
                        ge-0/0/3
                    </Value>
                </Parameter>

```

```

    <Parameter>
      <Name>Link</Name>
      <Value>
        up
      </Value>
    </Parameter>
    <Parameter>
      <Name>Admin</Name>
      <Value>
        up
      </Value>
    </Parameter>
  </Row>

</Results>
</CommandDetails>
<CommandDetails>
  <Command>show interfaces ge-0/0/3 statistics</Command>
  <Results>
    <Row>
      <Parameter>
        <Name>Interface</Name>
        <Value>
          ge-0/0/3.1
        </Value>
      </Parameter>
      <Parameter>
        <Name>Input packets</Name>
        <Value>
          0
        </Value>
      </Parameter>
      <Parameter>
        <Name>Output packets</Name>
        <Value>
          0
        </Value>
      </Parameter>
    </Row>

  </Results>
</CommandDetails>

```

```

</UNI>
<MPLS>
  <CommandDetails>
    <Command>show mpls lsp ingress</Command>
    <Results>
      <Row>
        <Parameter>
          <Name>LSP Name</Name>
          <Value>RSVP1_to_50_1_2_1</Value>
        </Parameter>
        <Parameter>
          <Name>State</Name>
          <Value>Up</Value>
        </Parameter>
        <Parameter>
          <Name>To</Name>
          <Value>50.1.2.1</Value>
        </Parameter>
        <Parameter>
          <Name>From</Name>
          <Value>50.1.2.2</Value>
        </Parameter>
      </Row>

    </Results>
  </CommandDetails>
  <CommandDetails>
    <Command>show mpls lsp egress</Command>
    <Results>
      <Row>
        <Parameter>
          <Name>LSP Name</Name>
          <Value>to_jaipur_ldp</Value>
        </Parameter>
        <Parameter>
          <Name>State</Name>
          <Value>Up</Value>
        </Parameter>
        <Parameter>
          <Name>To</Name>
          <Value>50.1.2.2</Value>
        </Parameter>
      </Row>
    </Results>
  </CommandDetails>

```

```

        <Parameter>
          <Name>From</Name>
          <Value>50.1.2.3</Value>
        </Parameter>
      </Row>

    </Results>
  </CommandDetails>
  <CommandDetails>
    <Command>show mpls static-lsp ingress</Command>
    <Results>
      <Row>
        <Parameter>
          <Name>LSP Name</Name>
          <Value></Value>
        </Parameter>
        <Parameter>
          <Name>State</Name>
          <Value></Value>
        </Parameter>
        <Parameter>
          <Name>To</Name>
          <Value></Value>
        </Parameter>
        <Parameter>
          <Name>From</Name>
          <Value></Value>
        </Parameter>
      </Row>
    </Results>
  </CommandDetails>
</MPLS>
</Protocol>
</CommandResult>
</DeviceEnd>
</TroubleshootResult>
</AuditResults>
</Data>

```

Get All E-LAN Services By Fault Status

This request is used to retrieve all the configured E-LAN services based on the specified fault status.

| | |
|-------------|--|
| URI | api/space/nsas/elan-vpls/service-management/services?faultStatus=Down You can also obtain services with FaultStatus Up/None by specifying faultStatus info as : (faultStatus=Up/None) in the URI. |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml |
| Produces | Collects all the configured E-LAN services based on the specified fault status. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="1">
    <Service
href="/api/space/nsas/elan-vpls/service-management/services/1081439"
uri="/api/space/nsas/elan-vpls/service-management/services/1081439"
key="1081439">
      <Common>
        <Name>ELAN_VPLS</Name>
        <Identity>1081439</Identity>
        <State>Deployed</State>
        <Comments> </Comments>
        <CreatedDate>2012-12-14T02:13:19.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-12-14T02:13:19.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>VPLS</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>Down</FaultStatus>
      </AuditFlag>
      <ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
```

```
xsi:type="VPLSConfigParameterServiceType"/>
  <Reference>
    <ServiceOrder key="1081426"
href="/api/space/nsas/elan-vpls/service-management/service-orders/1081426"
uri="/api/space/nsas/elan-vpls/service-management/service-orders/1081426"/>

    <ServiceDefinition>
      <ServiceDefinitionID key="262225"
href="/api/space/nsas/elan-vpls/service-management/service-definitions/262225"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/262225"/>

    </ServiceDefinition>
    <Customer key="720896"
href="/api/space/nsas/customer-management/customers/720896"
uri="/api/space/nsas/customer-management/customers/720896"/>
  </Reference>
</Service>
</ServiceResource>
</Data>
```

Get All E-Line Services By Fault Status

This request is used to retrieve all the configured E-Line services based on the specified fault status.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ptp/ service-management/services?faultStatus=Down You can also obtain services with FaultStatus Up/None by specifying faultStatus info as : (faultStatus=Up/None) in the URI. |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml |
| Produces | Collects all the configured E-LAN BGP services based on the specified fault status. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="1">
    <Service
href="/api/space/nsas/eline-ntp/service-management/services/1048583"
uri="/api/space/nsas/eline-ntp/service-management/services/1048583"
key="1048583">
      <Common>
        <Name>PTP</Name>
        <Identity>1048583</Identity>
        <State>Deployed</State>
        <Comments>PTP</Comments>
        <CreatedDate>2012-12-14T02:01:18.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-12-14T02:01:18.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>LDP</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>Down</FaultStatus>
      </AuditFlag>
      <Reference>
        <ServiceOrder key="1048576"
href="/api/space/nsas/eline-ntp/service-management/service-orders/1048576"
uri="/api/space/nsas/eline-ntp/service-management/service-orders/1048576"/>
          <ServiceDefinition>
            <ServiceDefinitionID key="294912"
href="/api/space/nsas/eline-ntp/service-management/service-definitions/294912"
uri="/api/space/nsas/eline-ntp/service-management/service-definitions/294912"/>
              </ServiceDefinition>
            <Customer key="720896"
href="/api/space/nsas/customer-management/customers/720896"
uri="/api/space/nsas/customer-management/customers/720896"/>
              </Reference>
            </Service>
          </ServiceResource>
        </Data>

```

Get All L3VPN Services By Fault Status

This request is used to retrieve all the configured L3VPN services based on the specified fault status.

| | |
|-------------|--|
| URI | api/space/nsas/l3vpn/service-management/services?faultStatus=Down You can also obtain services with FaultStatus Up/None by specifying faultStatus info as : (faultStatus=Up/None) in the URI. |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml |
| Produces | Collects all the configured L3VPN services based on the specified fault status. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="1">
    <Service href="/api/space/nsas/l3vpn/service-management/services/819207"
uri="/api/space/nsas/l3vpn/service-management/services/819207" key="819207">

      <Common>
        <Name>L3vpnTest</Name>
        <Identity>819207</Identity>
        <State>Deployed</State>
        <Comments>L3vpnTest</Comments>
        <CreatedDate>2012-12-14T01:36:50.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-12-14T01:36:50.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>L3VPN</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>Down</FaultStatus>
      </AuditFlag>
      <Reference>
```

```

    <ServiceOrder key="819200"
href="/api/space/nsas/l3vpn/service-management/service-orders/819200"
uri="/api/space/nsas/l3vpn/service-management/service-orders/819200"/>
    <ServiceDefinition>
    <ServiceDefinitionID key="327680"
href="/api/space/nsas/l3vpn/service-management/service-definitions/327680"
uri="/api/space/nsas/l3vpn/service-management/service-definitions/327680"/>
    </ServiceDefinition>
    <Customer key="720896"
href="/api/space/nsas/customer-management/customers/720896"
uri="/api/space/nsas/customer-management/customers/720896"/>
    </Reference>
    </Service>
</ServiceResource>
</Data>

```

Bulk E-Line Service Orders and Services Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director Bulk E-Line Service Orders and Services Management RESTful Web Services.

Create a Bulk E-Line Service Order with ATM and TDM Interfaces

This request is used to perform a bulk creation of E-Line service orders with ATM and TDM interfaces.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/service-orders/ |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml |
| Produces | Performs a bulk creation of E-Line service orders with ATM and TDM interfaces. |

Input

NOTE: The following example contains the request for creating a Eline_QINQ_AiVLAN, ATM and TDM service orders in one single Bulk request.

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>Eline_TDM_008</Name>
        <Comments>TDM service order</Comments>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junos-m10-1-space</DeviceName>
            <DeviceID>360508</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>t1-0/2/2</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="PTPTDMEndPointConfigParameterOrderType">
            <JitterBuffer>5</JitterBuffer>
            <IdlePattern>255</IdlePattern>
            <ExcessPacketLossRate>20</ExcessPacketLossRate>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceEndPointGroup>
    <DeviceInfo>
      <NA>
        <DeviceName>junos-m10-2-space</DeviceName>
        <DeviceID>360532</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
```

```

    <InterfaceName>t1-0/2/2</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
      <JitterBuffer>5</JitterBuffer>
      <IdlePattern>255</IdlePattern>
      <ExcessPacketLossRate>20</ExcessPacketLossRate>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="PTPTDMConfigParameterOrderType">
    <MTU>1523</MTU>
    <AutoPickVCID>true</AutoPickVCID>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="1015808" />
    <ServiceDefinition>
      <ServiceDefinitionID key="262279" />
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
<ServiceOrder>
  <Common>
    <Name>Eline_TDM_009</Name>
    <Comments>TDM service order</Comments>
  </Common>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA>
        <DeviceName>junos-m10-1-space</DeviceName>
        <DeviceID>360508</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>t1-0/2/2</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
        <JitterBuffer>5</JitterBuffer>
        <IdlePattern>255</IdlePattern>

```

```

        <ExcessPacketLossRate>20</ExcessPacketLossRate>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA>
            <DeviceName>junos-m10-2-space</DeviceName>
            <DeviceID>360532</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>t1-0/2/2</InterfaceName>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
            <JitterBuffer>5</JitterBuffer>
            <IdlePattern>255</IdlePattern>
            <ExcessPacketLossRate>20</ExcessPacketLossRate>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

    xsi:type="PTPTDMConfigParameterOrderType">
        <MTU>1523</MTU>
        <AutoPickVCID>true</AutoPickVCID>
    </ServiceOrderParameter>
    <Reference>
        <Customer key="1015809"/>
        <ServiceDefinition>
            <ServiceDefinitionID key="262279"/>
        </ServiceDefinition>
    </Reference>
</ServiceOrder>
<ServiceOrder>
    <Common>
        <Name>Eline_Test_007</Name>
        <Comments>P2P service order</Comments>
    </Common>
    <ServiceEndPointGroup>
        <DeviceInfo>

```

```

    <NA>
    <DeviceName>embassy</DeviceName>
    <DeviceID>360554</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-1/0/1</InterfaceName>
  <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
    <EndPointCategory>PTP</EndPointCategory>
    <VlanId>436</VlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Mbps">10</Bandwidth>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA>
    <DeviceName>exora</DeviceName>
    <DeviceID>360498</DeviceID>
  </NA>
</DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/2</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
      <EndPointCategory>PTP</EndPointCategory>
      <VlanId>436</VlanId>
      <MTU>1522</MTU>
      <Bandwidth unit="Mbps">10</Bandwidth>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="PTPConfigParameterOrderType">
    <MTU>1577</MTU>
    <VCID>436</VCID>
  </ServiceOrderParameter>

```

```

<Reference>
  <Customer key="1015808"/>
  <ServiceDefinition>
    <ServiceDefinitionID key="262144"/>
  </ServiceDefinition>
</Reference>
</ServiceOrder>
<ServiceOrder>
  <Common>
    <Name>Eline_Test_008</Name>
    <Comments>P2P service order</Comments>
  </Common>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA>
        <DeviceName>embassy</DeviceName>
        <DeviceID>360554</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-1/0/1</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDP endPointConfigParameterOrderType">
        <EndPointCategory>PTP</EndPointCategory>
        <VlanId>437</VlanId>
        <MTU>1522</MTU>
        <Bandwidth unit="Mbps">10</Bandwidth>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA>
        <DeviceName>exora</DeviceName>
        <DeviceID>360498</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-0/1/2</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

```

```

xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
    <EndPointCategory>PTP</EndPointCategory>
    <VlanId>437</VlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Mbps">10</Bandwidth>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

    xsi:type="PTPConfigParameterOrderType">
    <MTU>1577</MTU>
    <VCID>437</VCID>
</ServiceOrderParameter>
<Reference>
    <Customer key="1015808"/>
    <ServiceDefinition>
        <ServiceDefinitionID key="262144"/>
    </ServiceDefinition>
</Reference>
</ServiceOrder>
<ServiceOrder>
    <Common>
        <Name>Eline_ATM_008</Name>
        <Comments>ATM service order</Comments>
    </Common>
    <ServiceEndPointGroup>
        <DeviceInfo>
            <NA>
                <DeviceName>junos-m10-1-space</DeviceName>
                <DeviceID>360508</DeviceID>
            </NA>
        </DeviceInfo>
        <ServiceEndPoint>
            <InterfaceName>at-1/1/0</InterfaceName>
            <ServiceEndpointConfiguration
                xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterOrderType">
                <CellBundleSize>10</CellBundleSize>
            </ServiceEndpointConfiguration>
        </ServiceEndPoint>
    </ServiceEndPointGroup>

```

```

<ServiceEndPointGroup>
  <DeviceInfo>
    <NA>
      <DeviceName>junos-m10-2-space</DeviceName>
      <DeviceID>360532</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>at-1/1/0</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterOrderType">
      <CellBundleSize>10</CellBundleSize>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="PTPATMConfigParameterOrderType">
    <MTU>1523</MTU>
    <AutoPickVCID>true</AutoPickVCID>
    <VPI>107</VPI>
    <VCI>107</VCI>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="1015809"/>
    <ServiceDefinition>
      <ServiceDefinitionID key="262307"/>
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
  <Action>SaveAndDeployNow</Action>

  <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
</CustomAction>
</Data>

```

Output

Sample XML Output

```

<Data>
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>3571763</Value>
    </Identity>
    <Code>200</Code>
    <Message>
      Service Order Created Successfully and Deployment is in Progress. Please
      check the status using the JOB ID.
    </Message>
  </Status>
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>3571770</Value>
    </Identity>
    <Code>200</Code>
    <Message>
      Service Order Created Successfully and Deployment is in Progress. Please
      check the status using the JOB ID.
    </Message>
  </Status>
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>3571777</Value>
    </Identity>
    <Code>200</Code>
    <Message>
      Service Order Created Successfully and Deployment is in Progress. Please
      check the status using the JOB ID.
    </Message>
  </Status>
  <Status>
    <Job>
      <ID>1179845</ID>
      <Status>INPROGRESS</Status>
    </Job>
  </Status>

```

```
</Data>
```

Create a Bulk E-Line LDP Service Order

This request is used to perform a bulk creation of E-Line LDP service orders.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/service-orders/ |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml |
| Produces | Performs a bulk creation of E-Line LDP service orders. |

Input

NOTE: The following example contains the request for creating a Eline_QINQ_AiIVLAN, ATM and TDM service orders in one single Bulk request.

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>Eline_TDM_008</Name>
        <Comments>TDM service order</Comments>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junos-m10-1-space</DeviceName>
```

```

        <DeviceID>360508</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>t1-0/2/2</InterfaceName>
    <ServiceEndPointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
        <JitterBuffer>5</JitterBuffer>
        <IdlePattern>255</IdlePattern>
        <ExcessPacketLossRate>20</ExcessPacketLossRate>
    </ServiceEndPointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA>
            <DeviceName>junos-m10-2-space</DeviceName>
            <DeviceID>360532</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>t1-0/2/2</InterfaceName>
        <ServiceEndPointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
            <JitterBuffer>5</JitterBuffer>
            <IdlePattern>255</IdlePattern>
            <ExcessPacketLossRate>20</ExcessPacketLossRate>
        </ServiceEndPointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

    xsi:type="PTPTDMConfigParameterOrderType">
        <MTU>1523</MTU>

        <AutoPickVCID>true</AutoPickVCID>
    </ServiceOrderParameter>
<Reference>
    <Customer key="1015808"/>
    <ServiceDefinition>
        <ServiceDefinitionID key="262279"/>

```

```

    </ServiceDefinition>
  </Reference>
</ServiceOrder>
<ServiceOrder>
  <Common>
    <Name>Eline_TDM_009</Name>
    <Comments>TDM service order</Comments>
  </Common>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA>
        <DeviceName>junos-m10-1-space</DeviceName>
        <DeviceID>360508</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>t1-0/2/2</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
        <JitterBuffer>5</JitterBuffer>
        <IdlePattern>255</IdlePattern>
        <ExcessPacketLossRate>20</ExcessPacketLossRate>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA>
        <DeviceName>junos-m10-2-space</DeviceName>
        <DeviceID>360532</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>t1-0/2/2</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
        <JitterBuffer>5</JitterBuffer>
        <IdlePattern>255</IdlePattern>
        <ExcessPacketLossRate>20</ExcessPacketLossRate>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>

```

```

    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

    xsi:type="PTPTDMConfigParameterOrderType">
        <MTU>1523</MTU>
        <AutoPickVCID>true</AutoPickVCID>
    </ServiceOrderParameter>
    <Reference>
        <Customer key="1015809" />
        <ServiceDefinition>
            <ServiceDefinitionID key="262279" />
        </ServiceDefinition>
    </Reference>
</ServiceOrder>
<ServiceOrder>
    <Common>
        <Name>Eline_Test_007</Name>
        <Comments>P2P service order</Comments>
    </Common>
    <ServiceEndPointGroup>
        <DeviceInfo>
            <NA>
                <DeviceName>embassy</DeviceName>
                <DeviceID>360554</DeviceID>
            </NA>
        </DeviceInfo>
        <ServiceEndPoint>
            <InterfaceName>ge-1/0/1</InterfaceName>
            <ServiceEndpointConfiguration
                xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
                <EndPointCategory>PTP</EndPointCategory>
                <VlanId>436</VlanId>
                <MTU>1522</MTU>
                <Bandwidth unit="Mbps">10</Bandwidth>
            </ServiceEndpointConfiguration>
        </ServiceEndPoint>
    </ServiceEndPointGroup>
</ServiceEndPointGroup>
    <DeviceInfo>
        <NA>

```

```

        <DeviceName>exora</DeviceName>
        <DeviceID>360498</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge-0/1/2</InterfaceName>
    <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
        <EndPointCategory>PTP</EndPointCategory>
        <VlanId>436</VlanId>
        <MTU>1522</MTU>
        <Bandwidth unit="Mbps">10</Bandwidth>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

    xsi:type="PTPConfigParameterOrderType">
        <MTU>1577</MTU>
        <VCID>436</VCID>
    </ServiceOrderParameter>
    <Reference>
        <Customer key="1015808" />
        <ServiceDefinition>
            <ServiceDefinitionID key="262144" />
        </ServiceDefinition>
    </Reference>
</ServiceOrder>
<ServiceOrder>
    <Common>
        <Name>Eline_Test_008</Name>
        <Comments>P2P service order</Comments>
    </Common>
</ServiceEndPointGroup>
<DeviceInfo>
    <NA>
        <DeviceName>embassy</DeviceName>
        <DeviceID>360554</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>

```

```

    <InterfaceName>ge-1/0/1</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
      <EndPointCategory>PTP</EndPointCategory>
      <VlanId>437</VlanId>
      <MTU>1522</MTU>
      <Bandwidth unit="Mbps">10</Bandwidth>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA>
      <DeviceName>exora</DeviceName>
      <DeviceID>360498</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/2</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
      <EndPointCategory>PTP</EndPointCategory>
      <VlanId>437</VlanId>
      <MTU>1522</MTU>
      <Bandwidth unit="Mbps">10</Bandwidth>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="PTPConfigParameterOrderType">
    <MTU>1577</MTU>
    <VCID>437</VCID>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="1015808"/>
    <ServiceDefinition>
      <ServiceDefinitionID key="262144"/>
    </ServiceDefinition>
  </Reference>

```

```

</ServiceOrder>
<ServiceOrder>
  <Common>
    <Name>Eline_ATM_008</Name>
    <Comments>ATM service order</Comments>
  </Common>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA>
        <DeviceName>junos-m10-1-space</DeviceName>
        <DeviceID>360508</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>at-1/1/0</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterOrderType">
        <CellBundleSize>10</CellBundleSize>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA>
        <DeviceName>junos-m10-2-space</DeviceName>
        <DeviceID>360532</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>at-1/1/0</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterOrderType">
        <CellBundleSize>10</CellBundleSize>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="PTPATMConfigParameterOrderType">
    <MTU>1523</MTU>

```

```

    <AutoPickVCID>true</AutoPickVCID>
    <VPI>107</VPI>
    <VCI>107</VCI>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="1015809" />
    <ServiceDefinition>
      <ServiceDefinitionID key="262307" />
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndDeployNow</Action>

<ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
</CustomAction>
</Data>

```

Output

Sample XML Output

```

<Data>
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>3571763</Value>
    </Identity>
    <Code>200</Code>
    <Message>
      Service Order Created Successfully and Deployment is in Progress. Please
      check the status using the JOB ID.
    </Message>
  </Status>
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>

```

```

    <Value>3571770</Value>
  </Identity>
  <Code>200</Code>
  <Message>
    Service Order Created Successfully and Deployment is in Progress. Please
    check the status using the JOB ID.
  </Message>
</Status>
<Status>
  <Identity>
    <Type>ServiceOrder</Type>
    <Value>3571777</Value>
  </Identity>
  <Code>200</Code>
  <Message>
    Service Order Created Successfully and Deployment is in Progress. Please
    check the status using the JOB ID.
  </Message>
</Status>
<Status>
  <Job>
    <ID>1179845</ID>
    <Status>INPROGRESS</Status>
  </Job>
</Status>
</Data>
```

Create a Bulk E-Line BGP Service Order

This request is used to perform a bulk creation of E-Line BGP service orders.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/service-orders/ |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml |

Produces

Performs a bulk creation of E-Line BGP service orders.

Input

NOTE: The following example contains the request for creating a Eline_QINQ_AiVLAN, ATM and TDM service orders in one single Bulk request.

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>Eline_TDM_008</Name>
        <Comments>TDM service order</Comments>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junos-m10-1-space</DeviceName>
            <DeviceID>360508</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>t1-0/2/2</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="PTPTDMEndPointConfigParameterOrderType">
            <JitterBuffer>5</JitterBuffer>
            <IdlePattern>255</IdlePattern>
            <ExcessPacketLossRate>20</ExcessPacketLossRate>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>Eline_QINQ_AiVLAN_009</Name>
        <Comments>QINQ service order</Comments>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junos-m10-2-space</DeviceName>
            <DeviceID>360532</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>t1-0/2/2</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="PTPTDMEndPointConfigParameterOrderType">
            <JitterBuffer>5</JitterBuffer>
            <IdlePattern>255</IdlePattern>
            <ExcessPacketLossRate>20</ExcessPacketLossRate>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>

```

```

    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>t1-0/2/2</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
        <JitterBuffer>5</JitterBuffer>
        <IdlePattern>255</IdlePattern>
        <ExcessPacketLossRate>20</ExcessPacketLossRate>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

    xsi:type="PTPTDMConfigParameterOrderType">
    <MTU>1523</MTU>
    <AutoPickVCID>true</AutoPickVCID>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="1015808"/>
    <ServiceDefinition>
      <ServiceDefinitionID key="262279"/>
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
<ServiceOrder>
  <Common>
    <Name>Eline_TDM_009</Name>
    <Comments>TDM service order</Comments>
  </Common>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA>
        <DeviceName>junos-m10-1-space</DeviceName>
        <DeviceID>360508</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>t1-0/2/2</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">

```

```

        <JitterBuffer>5</JitterBuffer>
        <IdlePattern>255</IdlePattern>
        <ExcessPacketLossRate>20</ExcessPacketLossRate>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA>
            <DeviceName>junos-m10-2-space</DeviceName>
            <DeviceID>360532</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>t1-0/2/2</InterfaceName>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPTDMEndPointConfigParameterOrderType">
            <JitterBuffer>5</JitterBuffer>
            <IdlePattern>255</IdlePattern>
            <ExcessPacketLossRate>20</ExcessPacketLossRate>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

    xsi:type="PTPTDMConfigParameterOrderType">
        <MTU>1523</MTU>
        <AutoPickVCID>true</AutoPickVCID>
    </ServiceOrderParameter>
    <Reference>
        <Customer key="1015809"/>
        <ServiceDefinition>
            <ServiceDefinitionID key="262279"/>
        </ServiceDefinition>
    </Reference>
</ServiceOrder>
<ServiceOrder>
    <Common>
        <Name>Eline_Test_007</Name>
        <Comments>P2P service order</Comments>
    </Common>

```

```

<ServiceEndPointGroup>
  <DeviceInfo>
    <NA>
      <DeviceName>embassy</DeviceName>
      <DeviceID>360554</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-1/0/1</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
      <EndPointCategory>PTP</EndPointCategory>
      <VlanId>436</VlanId>
      <MTU>1522</MTU>
      <Bandwidth unit="Mbps">10</Bandwidth>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA>
      <DeviceName>exora</DeviceName>
      <DeviceID>360498</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/2</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
      <EndPointCategory>PTP</EndPointCategory>
      <VlanId>436</VlanId>
      <MTU>1522</MTU>
      <Bandwidth unit="Mbps">10</Bandwidth>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="PTPConfigParameterOrderType">
    <MTU>1577</MTU>

```

```

    <VCID>436</VCID>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="1015808"/>
    <ServiceDefinition>
      <ServiceDefinitionID key="262144"/>
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
<ServiceOrder>
  <Common>
    <Name>Eline_Test_008</Name>
    <Comments>P2P service order</Comments>
  </Common>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA>
        <DeviceName>embassy</DeviceName>
        <DeviceID>360554</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-1/0/1</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
        <EndPointCategory>PTP</EndPointCategory>
        <VlanId>437</VlanId>
        <MTU>1522</MTU>
        <Bandwidth unit="Mbps">10</Bandwidth>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA>
        <DeviceName>exora</DeviceName>
        <DeviceID>360498</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-0/1/2</InterfaceName>

```

```

    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
      <EndPointCategory>PTP</EndPointCategory>
      <VlanId>437</VlanId>
      <MTU>1522</MTU>
      <Bandwidth unit="Mbps">10</Bandwidth>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="PTPConfigParameterOrderType">
    <MTU>1577</MTU>
    <VCID>437</VCID>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="1015808" />
    <ServiceDefinition>
      <ServiceDefinitionID key="262144" />
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
<ServiceOrder>
  <Common>
    <Name>Eline_ATM_008</Name>
    <Comments>ATM service order</Comments>
  </Common>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA>
        <DeviceName>junos-m10-1-space</DeviceName>
        <DeviceID>360508</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>at-1/1/0</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterOrderType">
        <CellBundleSize>10</CellBundleSize>
      </ServiceEndpointConfiguration>

```

```

    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA>
        <DeviceName>junos-m10-2-space</DeviceName>
        <DeviceID>360532</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>at-1/1/0</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPATMEndPointConfigParameterOrderType">
        <CellBundleSize>10</CellBundleSize>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

    xsi:type="PTPATMConfigParameterOrderType">
    <MTU>1523</MTU>
    <AutoPickVCID>true</AutoPickVCID>
    <VPI>107</VPI>
    <VCI>107</VCI>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="1015809"/>
    <ServiceDefinition>
      <ServiceDefinitionID key="262307"/>
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
  <Action>SaveAndDeployNow</Action>

<ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
</CustomAction>
</Data>

```

Output

Sample XML Output

```

<Data>
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>3571763</Value>
    </Identity>
    <Code>200</Code>
    <Message>
      Service Order Created Successfully and Deployment is in Progress. Please
      check the status using the JOB ID.
    </Message>
  </Status>
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>3571770</Value>
    </Identity>
    <Code>200</Code>
    <Message>
      Service Order Created Successfully and Deployment is in Progress. Please
      check the status using the JOB ID.
    </Message>
  </Status>
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>3571777</Value>
    </Identity>
    <Code>200</Code>
    <Message>
      Service Order Created Successfully and Deployment is in Progress. Please
      check the status using the JOB ID.
    </Message>
  </Status>
  <Status>
    <Job>
      <ID>1179845</ID>
      <Status>INPROGRESS</Status>
    </Job>
  </Status>

```

```
    </Status>
  </Data>
```

Create a Bulk E-Line Service Order

This request is used to perform a bulk creation of E-Line service orders.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/service-orders/ |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.service-order+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml;version=2 |
| Produces | Performs a bulk creation of E-Line service orders. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>BGP_Bulk_SO_Via_Test01</Name>
        <Comments>tyut</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>BGP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="557096" uri="/api/space/nsas/device-roles/pe-devices/557096"
href="/api/space/nsas/device-roles/pe-devices/557096">
```

```

    <DeviceName>embassy</DeviceName>
    <DeviceID>557096</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-1/1/9</InterfaceName>
  <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPonfigParameterOrderType">
    <EndPointCategory>PTP</EndPointCategory>
    <UNIDescription>tyut</UNIDescription>
    <UnitId>16</UnitId>
    <VlanId>2</VlanId>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="557096" uri="/api/space/nsas/device-roles/pe-devices/557096"
href="/api/space/nsas/device-roles/pe-devices/557096">
      <DeviceName>embassy</DeviceName>
      <DeviceID>557096</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-1/0/9</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPonfigParameterOrderType">
      <EndPointCategory>PTP</EndPointCategory>
      <UNIDescription>tyutyu</UNIDescription>
      <UnitId>16</UnitId>
      <VlanId>3</VlanId>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
  <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
    <VlanNormalization>Normalization not required</VlanNormalization>
    <MTUFactor>15</MTUFactor>
  </ServiceOrderParameter>

```

```

    <Reference>
      <Customer uri="/api/space/nsas/customer-management/customers/851968"
href="/api/space/nsas/customer-management/customers/851968" key="851968"/>
      <ServiceDefinition>
        <ServiceDefinitionID
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/589824"

href="/api/space/nsas/eline-ptp/service-management/service-definitions/589824"
key="589824"/>
      </ServiceDefinition>
    </Reference>
  </ServiceOrder>
<ServiceOrder>
  <Common>
    <Name>BGP_Bulk_SO_Via_Test02</Name>
    <Comments>tyut</Comments>
  </Common>
  <ServiceType>Point-to-Point Pseudowire</ServiceType>
  <Signaling>BGP</Signaling>
  <Action>Provisioning</Action>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA key="557096" uri="/api/space/nsas/device-roles/pe-devices/557096"
href="/api/space/nsas/device-roles/pe-devices/557096">
        <DeviceName>embassy</DeviceName>
        <DeviceID>557096</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-1/1/9</InterfaceName>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
        <EndPointCategory>PTP</EndPointCategory>
        <UNIDescription>tyut</UNIDescription>
        <UnitId>16</UnitId>
        <VlanId>2</VlanId>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>

```

```

    <NA key="557096" uri="/api/space/nsas/device-roles/pe-devices/557096"
href="/api/space/nsas/device-roles/pe-devices/557096">
    <DeviceName>embassy</DeviceName>
    <DeviceID>557096</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-1/0/9</InterfaceName>
  <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
    <EndPointCategory>PTP</EndPointCategory>
    <UNIDescription>tyutyu</UNIDescription>
    <UnitId>16</UnitId>
    <VlanId>3</VlanId>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
  <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
    <VlanNormalization>Normalization not required</VlanNormalization>
    <MTUFactor>15</MTUFactor>
  </ServiceOrderParameter>
  <Reference>
    <Customer uri="/api/space/nsas/customer-management/customers/851968"
href="/api/space/nsas/customer-management/customers/851968" key="851968"/>
    <ServiceDefinition>
      <ServiceDefinitionID
uri="/api/space/nsas/eline-ptp/service-management/service-definitions/589824"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/589824"
key="589824"/>
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

    <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
    <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
    <Identity>
    <Type>ServiceOrder</Type>
    <Value>753722</Value>
    </Identity>
    <Code>200</Code>
    <Message>Service Order Created Successfully and Deployment is in Progress.
Please check the status using the JOB ID.</Message>
    </Status>
    <Status>
    <Identity>
    <Type>ServiceOrder</Type>
    <Value>753729</Value>
    </Identity>
    <Code>200</Code>
    <Message>Service Order Created Successfully and Deployment is in Progress.
Please check the status using the JOB ID.</Message>
    </Status>
    <Status>
    <Job>
    <ID>294953</ID>
    <Status>INPROGRESS</Status>
    </Job>
    </Status>
    </Data>

```

Bulk Force-Deploy of an E-Line Service

This request is used to forcibly deploy a previously created E-Line service in a bulk operation.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ntp/service-management/services/ |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.services+xml |

| | |
|----------|--|
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml |
| Produces | Forcibly deploy a previously created E-Line service in a bulk operation. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Identity>
    <Type>Service</Type>
    <Value>1085688</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085713</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085724</Value>
  </Identity>
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceCustomActionType">
    <Action>DeployLater</Action>
    <ScheduledDateTime>2012-10-16T11:50:18.000</ScheduledDateTime>
  </CustomAction>
</Data>
```

Output

Sample XML Output

```
<Data>
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1085688</Value>
```

```

</Identity>
<Job>
  <ID>202513</ID>
  <Status>SCHEDULED</Status>
</Job>
<Code>200</Code>
<Message>
  Service Force Deploy was Successfully triggered. Please check the status
  using the JOB ID.
</Message>
</Status>
<Status>
  <Identity>
    <Type>Service</Type>
    <Value>1085713</Value>
  </Identity>
  <Job>
    <ID>202514</ID>
    <Status>SCHEDULED</Status>
  </Job>
  <Code>200</Code>
  <Message>
    Service Force Deploy was Successfully triggered. Please check the status
    using the JOB ID.
  </Message>
</Status>
<Status>
  <Identity>
    <Type>Service</Type>
    <Value>1085724</Value>
  </Identity>
  <Job>
    <ID>202515</ID>
    <Status>SCHEDULED</Status>
  </Job>
  <Code>200</Code>
  <Message>
    Service Force Deploy was Successfully triggered. Please check the status
    using the JOB ID.
  </Message>
</Status>

```

```
</Data>
```

Bulk Decommissioning of an E-LINE Service

This request is used to decommission a previously created E-Line service in a bulk operation.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ntp/service-management/services/ |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.services+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml |
| Produces | Decommission previously created E-Line services in a bulk operation. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Identity>
    <Type>Service</Type>
    <Value>1085688</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085713</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085724</Value>
  </Identity>
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceCustomActionType">
```

```

    <Action>DecommissionLater</Action>
    <ScheduledDateTime>2012-10-16T12:15:18.000</ScheduledDateTime>
  </CustomAction>
</Data>

```

Output

Sample XML Output

```

<Data>
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1085688</Value>
    </Identity>
    <Job>
      <ID>202655</ID>
      <Status>SCHEDULED</Status>
    </Job>
    <Code>200</Code>
    <Message>
      Service Decommission was Successfully triggered. Please check the status
      using the JOB ID.
    </Message>
  </Status>
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1085713</Value>
    </Identity>
    <Job>
      <ID>202656</ID>
      <Status>SCHEDULED</Status>
    </Job>
    <Code>200</Code>
    <Message>
      Service Decommission was Successfully triggered. Please check the status
      using the JOB ID.
    </Message>

```

```
</Status>
<Status>
  <Identity>
    <Type>Service</Type>
    <Value>1085724</Value>
  </Identity>
  <Job>
    <ID>202657</ID>
    <Status>SCHEDULED</Status>
  </Job>
  <Code>200</Code>
  <Message>
    Service Decommission was Successfully triggered. Please check the status
    using the JOB ID.
  </Message>
</Status>
</Data>
```

Bulk Deploy, Validation, and Partial-Deletion of an E-Line BGP Service Order

This request is used to deploy, validate, or partially delete a previously created E-Line BGP service order in a bulk process.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/services-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.netjuniperspace.service-management.service-order+xml |

| | |
|----------|--|
| Consumes | <p>application/vnd.net.juniper.space.service-management.service-order-status+xml</p> <p>The options must be specified in the Action Element inside OperationSpecificData. The various options are as follows:</p> <ul style="list-style-type: none"> • DeployNow (Deploy an already created SO) • DeployLater (Deploy Later an already created SO) • ValidateNow (Validate now an already created SO) • ValidateLater (Validate later an already created SO) • PartialDeleteNow (Delete the partially created configuration now) • PartialDeleteLater (Delete the partially created configuration Later) |
| Produces | Deploys, validates or, partially-deletes a previously created E-Line BGP service order in a bulk operation. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Identity>
    <Type>ServiceOrder</Type>
    <Value>1085688</Value>
  </Identity>
  <Identity>
    <Type>ServiceOrder</Type>
    <Value>1085713</Value>
  </Identity>
  <Identity>
    <Type>ServiceOrder</Type>
    <Value>1085724</Value>
  </Identity>
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
    <Action>DeployLater</Action>
    <ScheduledDateTime>2012-10-16T11:50:18.000</ScheduledDateTime>
  </CustomAction>
</Data>
```

Output

Sample XML Output

```

<Data>
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>3571763</Value>
    </Identity>
    <Code>200</Code>
    <Message>
      Service Order Created Successfully and Deployment is in Progress. Please
      check the status using the JOB ID.
    </Message>
  </Status>
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>3571770</Value>
    </Identity>
    <Code>200</Code>
    <Message>
      Service Order Created Successfully and Deployment is in Progress. Please
      check the status using the JOB ID.
    </Message>
  </Status>
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>3571777</Value>
    </Identity>
    <Code>200</Code>
    <Message>
      Service Order Created Successfully and Deployment is in Progress. Please
      check the status using the JOB ID.
    </Message>
  </Status>
  <Status>
    <Job>
      <ID>1179845</ID>
      <Status>INPROGRESS</Status>
    </Job>
  </Status>

```

```
</Status>
</Data>
```

Bulk Deletion of an E-Line BGP Service Order

This request is used to perform a bulk deletion of a previously configured E-Line LDP service order.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ptp/service-management/ service-orders/<serviceOrder-id> |
| HTTP Method | DELETE |
| Consumes | application/vnd.netjuniper.space.service-management.service-order+xml |
| Produces | Bulk deletion of an E-Line BGP service order. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">

  <Identity>
    <Type>ServiceOrder</Type>
    <Value>1085976</Value>
  </Identity>
  <Identity>
    <Type>ServiceOrder</Type>
    <Value>1085921</Value>
  </Identity>
  <Identity>
    <Type>ServiceOrder</Type>
    <Value>1085914</Value>
  </Identity>
</Data>
```

Output

Sample XML Output

```
<Data>
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>1085976</Value>
    </Identity>
    <Code>200</Code>
    <Message>Service order Deleted Successfully.</Message>
  </Status>
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>1085921</Value>
    </Identity>
    <Code>200</Code>
    <Message>Service order Deleted Successfully.</Message>
  </Status>
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>1085914</Value>
    </Identity>
    <Code>200</Code>
    <Message>Service order Deleted Successfully.</Message>
  </Status>
</Data>
```

Bulk Modification of a Saved E-Line Services

This request is used to modify a saved E-Line service in a bulk operation.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/services |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.modify-services+xml |

| | |
|----------|---|
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml |
| Produces | Performs a bulk edit of an E-Line service. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Identity>1085688</Identity>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junos-mx80-1-space</DeviceName>
            <DeviceID>1179752</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/3/6</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
            <CustomerVlanIdStart>500</CustomerVlanIdStart>
            <CustomerVlanIdEnd>505</CustomerVlanIdEnd>
            <MTU>1522</MTU>
            <Bandwidth unit="Mbps">10</Bandwidth>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junos-mx80-2-space</DeviceName>
            <DeviceID>1194778</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
```

```

    <InterfaceName>ge-1/3/6</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
      <CustomerVlanIdStart>500</CustomerVlanIdStart>
      <CustomerVlanIdEnd>505</CustomerVlanIdEnd>
      <MTU>1522</MTU>
      <Bandwidth unit="Mbps">10</Bandwidth>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="PTPConfigParameterOrderType">
    <MTU>1522</MTU>
  </ServiceOrderParameter>
</ServiceOrder>
<ServiceOrder>
  <Common>
    <Identity>1085713</Identity>
  </Common>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA>
        <DeviceName>junos-mx80-1-space</DeviceName>
        <DeviceID>1179752</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-1/3/6</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
        <CustomerVlanIdStart>505</CustomerVlanIdStart>
        <CustomerVlanIdEnd>510</CustomerVlanIdEnd>
        <MTU>1522</MTU>
        <Bandwidth unit="Mbps">10</Bandwidth>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
</ServiceEndPointGroup>
  <DeviceInfo>

```

```

    <NA>
      <DeviceName>junos-mx80-2-space</DeviceName>
      <DeviceID>1194778</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-1/3/6</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
      <CustomerVlanIdStart>505</CustomerVlanIdStart>
      <CustomerVlanIdEnd>510</CustomerVlanIdEnd>
      <MTU>1522</MTU>
      <Bandwidth unit="Mbps">10</Bandwidth>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="PTPConfigParameterOrderType">
    <MTU>1522</MTU>
  </ServiceOrderParameter>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="ServiceCustomActionType">
  <Action>SaveAndDeployNow</Action>
</CustomAction>
</Data>

```

Output

Sample XML Output

```

<Data>
  <Identity>
    <Type>Service</Type>
    <Value>1085688</Value>
  </Identity>

```

```

<Identity>
  <Type>ServiceOrder</Type>
  <Value>1085735</Value>
</Identity>
<Code>200</Code>
<Message>
  The Service Order Modified Successfully and Deployment is in Progress.
  Please check the status using the JOB ID.
</Message>
</Status>
<Status>
  <Identity>
    <Type>Service</Type>
    <Value>1085713</Value>
  </Identity>
  <Identity>
    <Type>ServiceOrder</Type>
    <Value>1085742</Value>
  </Identity>
  <Code>200</Code>
  <Message>
    The Service Order Modified Successfully and Deployment is in Progress.
    Please check the status using the JOB ID.
  </Message>
</Status>
<Status>
  <Job>
    <ID>202324</ID>
    <Status>INPROGRESS</Status>
  </Job>
</Status>
</Data>

```

Run a Bulk Configuration Audit of E-Line Services

This request is run a bulk configuration audit of E-Line LDP services.

URI

api/space/nsas/eline-ntp/service-management/services/

| | |
|--------------|---|
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.service+xml The options for AuditNow and AuditLater can be provided in the Action element within the ?OperationSpecificData?. |
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml |
| Produces | Performs a bulk configuration audit of E-Line services. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Identity>
    <Type>Service</Type>
    <Value>1085688</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085713</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085724</Value>
  </Identity>
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ConfigAuditCustomActionType">
    <Action>AuditLater</Action>
    <ScheduledDateTime>2012-10-16T11:58:18.000</ScheduledDateTime>
  </CustomAction>
</Data>
```

Output

Sample XML Output

```

<Data>
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1085688</Value>
    </Identity>
    <Job>
      <ID>202576</ID>
      <Status>SCHEDULED</Status>
    </Job>
    <Code>200</Code>
    <Message>
      The Configurational Audit was Successfully triggered.Please check the
      status using the JOB ID.
    </Message>
  </Status>
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1085713</Value>
    </Identity>
    <Job>
      <ID>202577</ID>
      <Status>SCHEDULED</Status>
    </Job>
    <Code>200</Code>
    <Message>
      The Configurational Audit was Successfully triggered.Please check the
      status using the JOB ID.
    </Message>
  </Status>
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1085724</Value>
    </Identity>
    <Job>
      <ID>202578</ID>
      <Status>SCHEDULED</Status>
    </Job>
    <Code>200</Code>
    <Message>

```

```

    The Configurational Audit was Successfully triggered.Please check the
    status using the JOB ID.
  </Message>
</Status>
</Data>
```

Run a Bulk Functional Audit of E-Line Services

This request is run a bulk configuration audit of several E-Line services.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ntp/service-management/services |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.service+xml The options for AuditNow and AuditLater can be provided in the Action element within the ?OperationSpecificData?. |
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml |
| Produces | Performs a bulk functional audit of E-Line LDP services. |

Input

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Identity>
    <Type>Service</Type>
    <Value>1085688</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085713</Value>
  </Identity>
```

```

<Identity>
  <Type>Service</Type>
  <Value>1085724</Value>
</Identity>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="FunctionalAuditCustomActionType">
  <Action>AuditLater</Action>
  <ScheduledDateTime>2012-10-16T12:03:18.000</ScheduledDateTime>
</CustomAction>
</Data>

```

Output

Sample XML Output

```

<Data>
<Status>
<Identity>
<Type>Service</Type>
<Value>1085688</Value>
</Identity>
<Job>
<ID>202604</ID>
<Status>SCHEDULED</Status>
<AssociatedJob>
<ID>202605</ID>
<Status>SCHEDULED</Status>
<Code>200</Code>
<Message>
The Monitoring Audit was Successfully triggered. Please check the status
using the JOB ID.
</Message>
</AssociatedJob>
</Job>
<Code>200</Code>
<Message>
The Functional Audit was Successfully triggered. Please check the status
using the JOB ID.
</Message>

```

```

</Status>
<Status>
<Identity>
<Type>Service</Type>
<Value>1085713</Value>
</Identity>
<Job>
<ID>202606</ID>
<Status>SCHEDULED</Status>
<AssociatedJob>
<ID>202607</ID>
<Status>SCHEDULED</Status>
<Code>200</Code>
<Message>
The Monitoring Audit was Successfully triggered. Please check the status
using the JOB ID.
</Message>
</AssociatedJob>
</Job>
<Code>200</Code>
<Message>
The Functional Audit was Successfully triggered. Please check the status
using the JOB ID.
</Message>
</Status>
<Status>
<Identity>
<Type>Service</Type>
<Value>1085724</Value>
</Identity>
<Job>
<ID>202609</ID>
<Status>SCHEDULED</Status>
<AssociatedJob>
<ID>202612</ID>
<Status>SCHEDULED</Status>
<Code>200</Code>
<Message>
The Monitoring Audit was Successfully triggered. Please check the status
using the JOB ID.
</Message>
</AssociatedJob>

```

```

</Job>
<Code>200</Code>
<Message>
The Functional Audit was Successfully triggered. Please check the status
using the JOB ID.
</Message>
</Status>
</Data>

```

Service Templates Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director Service Templates Management RESTful Web Services for E-line, IP, and E-LAN services.

Get All Service Templates with Dynamic Attribute Values

This request is used to retrieve all the configured service templates with dynamic attribute values.

| | |
|-------------|--|
| URI | <p>For E-Line:</p> <pre>/api/space/nsas/eline-ptp/service-management/ service-templates/{ST-ID}?deviceName={deviceName}</pre> <p>For E-LAN:</p> <pre>/api/space/nsas/elan-vpls/service-management/ service-templates/{ST-ID}?deviceName={deviceName}</pre> <p>For IP: /api/space/nsas/l3vpn/service-management/ service-templates/{ST-ID}?deviceName={deviceName} </p> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-template+xml;version=2; |
| Produces | Collects all the configured service templates with dynamic attribute values. |

Output

Sample XML Output

```

        <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
        <ServiceTemplate
href="/api/space/nsas/l3vpn/service-management/service-templates/1015808"
uri="/api/space/nsas/l3vpn/service-management/service-templates/1015808"
key="1015808">
    <Common>
        <Name>Flexi_Temp_1</Name>
        <Identity>1015808</Identity>
        <State>Published</State>
        <CreatedDate>2015-02-16T10:16:13.694+05:30</CreatedDate>
        <LastUpdatedDate>2015-02-16T10:16:13.694+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
    </Common>
    <ConfigParams>
        <Name>Outer</Name>
        <Value>None</Value>
        <Decommission>>false</Decommission>
        <SvcSpecificValue>>false</SvcSpecificValue>
        <ConfigPageName>cp1</ConfigPageName>
        <SetofValues>
            <Value>0</Value>
            <Value>20</Value>
            <Value>888</Value>
            <Value>500</Value>
            <Value>600</Value>
            <Value>0</Value>
        </SetofValues>
    </ConfigParams>
    <ConfigParams>
        <Name>Inner</Name>
        <Value>None</Value>
        <Decommission>>false</Decommission>
        <SvcSpecificValue>>false</SvcSpecificValue>
        <ConfigPageName>cp1</ConfigPageName>
        <SetofValues/>
    </ConfigParams>
    </ServiceTemplate>
</ServiceResource>
</Data>

```

Get All Service Templates with XPath Tags

This request is used to retrieve all the configured service templates with XPath attributes.

| | |
|-------------|---|
| URI | <p>For E-Line: /api/space/nsas/eline-ntp/service-management/ service-templates/{ST-ID}</p> <p>For E-LAN: /api/space/nsas/elan-vpls/service-management/ service-templates/{ST-ID}</p> <p>For IP: /api/space/nsas/l3vpn/service-management/ service-templates/{ST-ID}</p> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-template+xml;version=2; |
| Produces | Collects all the configured service templates with XPath attributes. |

Output

Sample XML Output

```
<Data>
  <ServiceResource>
    <ServiceTemplate
href="/api/space/nsas/eline-ntp/service-management/service-templates/6357015"
uri="/api/space/nsas/eline-ntp/service-management/service-templates/6357015"
key="6357015">
      <Common>
        <Name>Temp_desc</Name>
        <Identity>6357015</Identity>
        <State>Published</State>
        <CreatedDate>2015-11-20T10:16:46.464+05:30</CreatedDate>
        <LastUpdatedDate>2015-11-20T10:16:46.464+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ConfigParams>
        <Name>Description</Name>
```

```
<DataType>String</DataType>
<Description>Text description of interface</Description>
<OperatorVisibility>Editable</OperatorVisibility>
<Value>DemoDescription</Value>
<SetofValues/>
<Xpath>/configuration/cpl/interface/description</Xpath>
<Decommission>>false</Decommission>
<SvcSpecificValue>>false</SvcSpecificValue>
<ConfigPageName>cpl</ConfigPageName>
<Validation>
  <MinOccurrence>0</MinOccurrence>
  <MaxOccurrence>2147483647</MaxOccurrence>
</Validation>
</ConfigParams>
</ServiceTemplate>
</ServiceResource>
</Data>
```

Get All E-Line Service Templates

This request is used to retrieve all the configured Layer 2 Ethernet Private Line (EPL, also called E-Line) service templates.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ptp/service-management/service-templates |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-templates+xml application/vnd.net.juniper.space.service-management.service-templates+json |
| Produces | Collects all the configured E-Line service templates. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceTemplate
      key="/api/space/nsas/eline-ntp/service-management/service-templates/32826"

      uri="/api/space/nsas/eline-ntp/service-management/service-templates/32826"

      href="/api/space/nsas/eline-ntp/service-management/service-templates/32826">

      <Common>
        <Name>TEMP001</Name>
        <Identity>32826</Identity>
        <State>Published</State>
        <Comments></Comments>
        <CreatedDate>2012-12-06T11:26:09.964+05:30</CreatedDate>
        <LastUpdatedDate>2012-12-06T11:26:09.964+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
    </ServiceTemplate>
    <ServiceTemplate
      key="/api/space/nsas/eline-ntp/service-management/service-templates/2457649"

      uri="/api/space/nsas/eline-ntp/service-management/service-templates/2457649"

      href="/api/space/nsas/eline-ntp/service-management/service-templates/2457649">

      <Common>
        <Name>TEMP003</Name>
        <Identity>2457649</Identity>
        <State>Published</State>
        <Comments></Comments>
        <CreatedDate>2012-12-12T14:48:06.855+05:30</CreatedDate>
        <LastUpdatedDate>2012-12-12T14:48:06.855+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
    </ServiceTemplate>
    <ServiceTemplate
      key="/api/space/nsas/eline-ntp/service-management/service-templates/32826"

      uri="/api/space/nsas/eline-ntp/service-management/service-templates/32826"

```

```

href="/api/space/nsas/eline-ntp/service-management/service-templates/32826">

<Common>
  <Name>TEMP001</Name>
  <Identity>32826</Identity>
  <State>Published</State>
  <Comments></Comments>
  <CreateDate>2012-12-06T11:26:09.964+05:30</CreateDate>
  <LastUpdatedDate>2012-12-06T11:26:09.964+05:30</LastUpdatedDate>
  <CreatedBy>super</CreatedBy>
</Common>
</ServiceTemplate>
<ServiceTemplate
key="/api/space/nsas/eline-ntp/service-management/service-templates/2457649"

uri="/api/space/nsas/eline-ntp/service-management/service-templates/2457649"

href="/api/space/nsas/eline-ntp/service-management/service-templates/2457649">

<Common>
  <Name>TEMP003</Name>
  <Identity>2457649</Identity>
  <State>Published</State>
  <Comments></Comments>
  <CreateDate>2012-12-12T14:48:06.855+05:30</CreateDate>
  <LastUpdatedDate>2012-12-12T14:48:06.855+05:30</LastUpdatedDate>
  <CreatedBy>super</CreatedBy>
</Common>
</ServiceTemplate>
</ServiceResource>
</Data>

```

Get an E-Line Service Template by Template ID

This request is used to retrieve a specific Layer 2 Ethernet Private Line (EPL, also called E-Line) service template, based on the template ID.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ntp/service-management/ service-templates/<templateId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-templates+xml application/vnd.net.juniper.space.service-management. service-templates+json |
| Produces | Retrieves the details of a specific configured E-Line service template. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceTemplate
      key="/api/space/nsas/eline-ntp/service-management/service-templates/2457649"

      uri="/api/space/nsas/eline-ntp/service-management/service-templates/2457649"

      href="/api/space/nsas/eline-ntp/service-management/service-templates/2457649">

      <Common>
        <Name>TEMP003</Name>
        <Identity>2457649</Identity>
        <State>Published</State>
        <Comments></Comments>
        <CreatedDate>2012-12-12T14:48:06.855+05:30</CreatedDate>
        <LastUpdatedDate>2012-12-12T14:48:06.855+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
```

```
<ConfigParams>
  <Name>Description</Name>
  <Value>TESTING 2ND DESC</Value>
  <Decommission>false</Decommission>
  <SvcSpecificValue>false</SvcSpecificValue>
  <ConfigPageName>cp1</ConfigPageName>
</ConfigParams>
</ServiceTemplate>
</ServiceResource>
</Data>
```

Get an E-Line Service Template by Service Definition ID

This request is used to retrieve a specific Layer 2 Ethernet Private Line (EPL, also called E-Line) service template, based on the service definition ID.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ptp/service-management/service-definitions/295160/serviceTemplates |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-templates+xml application/vnd.net.juniper.space.service-management.service-templates+json |
| Produces | Retrieves the details of a specific configured E-Line service template based on a service definition ID. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
```

```

<ServiceTemplate
  key="/api/space/nsas/eline-ptp/service-management/service-templates/32826"

  uri="/api/space/nsas/eline-ptp/service-management/service-templates/32826"

  href="/api/space/nsas/eline-ptp/service-management/service-templates/32826">

  <Common>
    <Name>TEMP001</Name>
    <Identity>32826</Identity>
    <State>Published</State>
    <Comments></Comments>
    <CreatedDate>2012-12-06T11:26:09.964+05:30</CreatedDate>
    <LastUpdatedDate>2012-12-06T11:26:09.964+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <ConfigParams>
    <Name>Description</Name>
    <Value>Testing description</Value>
    <Decommission>false</Decommission>
    <SvcSpecificValue>false</SvcSpecificValue>
    <ConfigPageName>cpl</ConfigPageName>
  </ConfigParams>
</ServiceTemplate>
<ServiceTemplate
  key="/api/space/nsas/eline-ptp/service-management/service-templates/2457649"

  uri="/api/space/nsas/eline-ptp/service-management/service-templates/2457649"

  href="/api/space/nsas/eline-ptp/service-management/service-templates/2457649">

  <Common>
    <Name>TEMP003</Name>
    <Identity>2457649</Identity>
    <State>Published</State>
    <Comments></Comments>
    <CreatedDate>2012-12-12T14:48:06.855+05:30</CreatedDate>
    <LastUpdatedDate>2012-12-12T14:48:06.855+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <ConfigParams>

```

```
<Name>Description</Name>
<Value>TESTING 2ND DESC</Value>
<Decommission>>false</Decommission>
<SvcSpecificValue>>false</SvcSpecificValue>
<ConfigPageName>cpl</ConfigPageName>
</ConfigParams>
</ServiceTemplate>
</ServiceResource>
</Data>
```

Get an E-Line Service Order Associated with a Service Template by Service Order ID

This request is used to retrieve a specific Layer 2 Ethernet Private Line (EPL, also called E-Line) service order that is attached to a service template, based on the service order ID.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ptp/service-management/service-orders/<ServiceOrderID> api/space/nsas/elan-vpls/service-management/service-orders/<ServiceOrderID> api/space/nsas/l3vpn/service-management/service-orders/<ServiceOrderID> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Retrieves the details of a specific configured E-Line service order that contains a service template based on a service order ID. |

Output (E-Line LDP)

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceTemplate
      key="/api/space/nsas/eline-ptp/service-management/service-templates/32826"

      uri="/api/space/nsas/eline-ptp/service-management/service-templates/32826"

      href="/api/space/nsas/eline-ptp/service-management/service-templates/32826">

      <Common>
        <Name>TEMP001</Name>
        <Identity>32826</Identity>
        <State>Published</State>
        <Comments></Comments>
        <CreatedDate>2012-12-06T11:26:09.964+05:30</CreatedDate>
        <LastUpdatedDate>2012-12-06T11:26:09.964+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ConfigParams>
        <Name>Description</Name>
        <Value>Testing description</Value>
        <Decommission>>false</Decommission>
        <SvcSpecificValue>>false</SvcSpecificValue>
        <ConfigPageName>cp1</ConfigPageName>
      </ConfigParams>
    </ServiceTemplate>
    <ServiceTemplate
      key="/api/space/nsas/eline-ptp/service-management/service-templates/2457649"

      uri="/api/space/nsas/eline-ptp/service-management/service-templates/2457649"

      href="/api/space/nsas/eline-ptp/service-management/service-templates/2457649">

      <Common>
        <Name>TEMP003</Name>
        <Identity>2457649</Identity>
        <State>Published</State>
        <Comments></Comments>
        <CreatedDate>2012-12-12T14:48:06.855+05:30</CreatedDate>
        <LastUpdatedDate>2012-12-12T14:48:06.855+05:30</LastUpdatedDate>

```

```

    <CreatedBy>super</CreatedBy>
  </Common>
  <ConfigParams>
    <Name>Description</Name>
    <Value>TESTING 2ND DESC</Value>
    <Decommission>>false</Decommission>
    <SvcSpecificValue>>false</SvcSpecificValue>
    <ConfigPageName>cpl</ConfigPageName>
  </ConfigParams>
</ServiceTemplate>
</ServiceResource>
</Data>

```

Output (E-Line BGP)

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/eline-ptp/service-management/service-orders/10158096"

      uri="/api/space/nsas/eline-ptp/service-management/service-orders/10158096"

      key="10158096">
        <Common>
          <Name>P2P_BGP_SO_TEMP</Name>
          <Identity>10158096</Identity>
          <State>Invalid</State>
          <CreatedDate>2013-01-10T12:52:31.000+05:30</CreatedDate>
          <LastUpdatedDate>2013-01-10T12:52:31.000+05:30</LastUpdatedDate>
          <CreatedBy>super</CreatedBy>
        </Common>
        <ServiceType>Point-to-Point Pseudowire</ServiceType>
        <Signaling>BGP</Signaling>
        <Action>Provisioning</Action>
        <ServiceEndPointGroup>

```

```

    <DeviceInfo>
      <NA href="/api/space/nsas/device-roles/pe-devices/10256467"
uri="/api/space/nsas/device-roles/pe-devices/10256467"
      key="10256467">
        <DeviceName>vjx-junos-mx240-space</DeviceName>
        <DeviceID>10256467</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-0/0/7</InterfaceName>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
        <EndPointCategory>PTP</EndPointCategory>
        <TrafficType>QINQ Transport single vlan</TrafficType>
        <PhysicalEncapsulation>flexible-ethernet-services
        </PhysicalEncapsulation>
        <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
        <UNIDescription>N/A</UNIDescription>
        <OuterTPID>None</OuterTPID>
        <InnerTPID>None</InnerTPID>
        <VlanId>2200</VlanId>
        <CustomerVlanId>2440</CustomerVlanId>
        <Bandwidth unit="Kbps">0</Bandwidth>
      </ServiceEndpointConfiguration>
    <ServiceTemplates>
      <ServiceTemplate key="9797632"

uri="/api/space/nsas/eline-ptp/service-management/service-templates/9797632"

href="/api/space/nsas/eline-ptp/service-management/service-templates/9797632">

      <ID>9797632</ID>
      <ConfigParams>
        <Name>Description</Name>
        <Value>Template Description</Value>
        <ConfigPageName>cpl</ConfigPageName>
      </ConfigParams>
    </ServiceTemplate>
  </ServiceTemplates>
</ServiceEndPoint>

```

```

</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/10256459"
uri="/api/space/nsas/device-roles/pe-devices/10256459"
    key="10256459">
      <DeviceName>vjx-junos-mx80-1-space</DeviceName>
      <DeviceID>10256459</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/0/5</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
      <EndPointCategory>PTP</EndPointCategory>
      <TrafficType>QINQ Transport single vlan</TrafficType>
      <PhysicalEncapsulation>flexible-ethernet-services
      </PhysicalEncapsulation>
      <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
      <UNIDescription>N/A</UNIDescription>
      <OuterTPID>None</OuterTPID>
      <InnerTPID>None</InnerTPID>
      <VlanId>2200</VlanId>
      <CustomerVlanId>2440</CustomerVlanId>
      <Bandwidth unit="Kbps">0</Bandwidth>
    </ServiceEndpointConfiguration>
    <ServiceTemplates>
      <ServiceTemplate key="9797632"

uri="/api/space/nsas/eline-ptp/service-management/service-templates/9797632"

href="/api/space/nsas/eline-ptp/service-management/service-templates/9797632">

      <ID>9797632</ID>
      <ConfigParams>
        <Name>Description</Name>
        <Value>Template Description</Value>
        <ConfigPageName>cpl</ConfigPageName>
      </ConfigParams>
    </ServiceTemplate>

```

```

        </ServiceTemplates>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

    xsi:type="PTPConfigParameterOrderType">
    <RouteTarget>36000:1</RouteTarget>
    <RouteDistinguisher>36000:1</RouteDistinguisher>
</ServiceOrderParameter>
<Reference>
    <Customer key="884834"
        href="/api/space/nsas/customer-management/customers/884834"
uri="/api/space/nsas/customer-management/customers/884834" />
    <ServiceDefinition>
        <ServiceDefinitionID key="10158080"

href="/api/space/nsas/eline-ptp/service-management/service-definitions/10158080"

uri="/api/space/nsas/eline-ptp/service-management/service-definitions/10158080"
    />
    </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>
VPLS

```

Output (E-LAN LDP)

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
        <ServiceOrder
            href="/api/space/nsas/elan-vpls/service-management/service-orders/10289179"

            uri="/api/space/nsas/elan-vpls/service-management/service-orders/10289179"

```

```

key="10289179">
<Common>
  <Name>VPLS_LDP_TEMP_SO</Name>
  <Identity>10289179</Identity>
  <State>Invalid</State>
  <CreatedDate>2013-01-10T13:08:43.000+05:30</CreatedDate>
  <LastUpdatedDate>2013-01-10T13:08:42.000+05:30</LastUpdatedDate>
  <CreatedBy>super</CreatedBy>
</Common>
<ServiceType>Multipoint-to-Multipoint Ethernet (VPLS)</ServiceType>
<Signaling>LDP</Signaling>
<Action>Provisioning</Action>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/10256459"
uri="/api/space/nsas/device-roles/pe-devices/10256459"
    key="10256459">
      <DeviceName>vjx-junos-mx80-1-space</DeviceName>
      <DeviceID>10256459</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/0/6</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSLDPEndPointConfigParameterOrderType">
      <PhysicalEncapsulation>flexible-ethernet-services
      </PhysicalEncapsulation>
      <UNIDescription>N/A</UNIDescription>
      <VlanId>1600</VlanId>
      <MTU>1522</MTU>
      <CustomerVlanId>2100</CustomerVlanId>
      <MACLearning>true</MACLearning>
      <InterfaceMACLimit>1024</InterfaceMACLimit>
      <MACStatistics>false</MACStatistics>
      <MACTableSize>5120</MACTableSize>
      <OuterTPID>None</OuterTPID>
      <InnerTPID>None</InnerTPID>
    </ServiceEndpointConfiguration>
  <ServiceTemplates>
    <ServiceTemplate key="9797632"

```

```
uri="/api/space/nsas/elan-vpls/service-management/service-templates/9797632"
```

```
href="/api/space/nsas/elan-vpls/service-management/service-templates/9797632">
```

```

    <ID>9797632</ID>
    <ConfigParams>
      <Name>Description</Name>
      <Value>Template Description</Value>
      <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
  </ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/10256467"
uri="/api/space/nsas/device-roles/pe-devices/10256467"
    key="10256467">
      <DeviceName>vjx-junos-mx240-space</DeviceName>
      <DeviceID>10256467</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/0/7</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSLDPEndPointConfigParameterOrderType">
      <PhysicalEncapsulation>flexible-ethernet-services
    </PhysicalEncapsulation>
      <UNIDescription>N/A</UNIDescription>
      <VlanId>1600</VlanId>
      <MTU>1522</MTU>
      <CustomerVlanId>2100</CustomerVlanId>
      <MACLearning>true</MACLearning>
      <InterfaceMACLimit>1024</InterfaceMACLimit>
      <MACStatistics>false</MACStatistics>
      <MACTableSize>5120</MACTableSize>
      <OuterTPID>None</OuterTPID>
      <InnerTPID>None</InnerTPID>

```

```

        </ServiceEndpointConfiguration>
        <ServiceTemplates>
            <ServiceTemplate key="9797632"

uri="/api/space/nsas/elan-vpls/service-management/service-templates/9797632"

href="/api/space/nsas/elan-vpls/service-management/service-templates/9797632">

            <ID>9797632</ID>
            <ConfigParams>
                <Name>Description</Name>
                <Value>Template Description</Value>
                <ConfigPageName>cpl</ConfigPageName>
            </ConfigParams>
        </ServiceTemplate>
    </ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:type="VPLSConfigParameterOrderType">
    <TrafficType>Transport single vlan</TrafficType>
    <VLANNormalization>Normalize All</VLANNormalization>
    <VPLSId>2147467291</VPLSId>
    <AutoDiscovery>false</AutoDiscovery>
</ServiceOrderParameter>
<Reference>
    <Customer key="884834"
        href="/api/space/nsas/customer-management/customers/884834"
uri="/api/space/nsas/customer-management/customers/884834" />
        <ServiceDefinition>
            <ServiceDefinitionID key="10289152"

href="/api/space/nsas/elan-vpls/service-management/service-definitions/10289152"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/10289152"
/>
            </ServiceDefinition>
        </Reference>
    </ServiceOrder>

```

```

    </ServiceResource>
  </Data>

```

Output (E-LAN BGP)

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/elan-vpls/service-management/service-orders/4882459"

      uri="/api/space/nsas/elan-vpls/service-management/service-orders/4882459"

      key="4882459">
        <Common>
          <Name>VPLS_SO_ST</Name>
          <Identity>4882459</Identity>
          <State>Invalid</State>
          <Comments></Comments>
          <CreatedDate>2012-12-19T18:11:35.000+05:30</CreatedDate>
          <LastUpdatedDate>2012-12-19T18:11:32.000+05:30</LastUpdatedDate>
          <CreatedBy>super</CreatedBy>
        </Common>
        <ServiceType>Multipoint-to-Multipoint Ethernet (VPLS)</ServiceType>
        <Signaling>BGP</Signaling>
        <Action>Provisioning</Action>
        <ServiceEndPointGroup>
          <DeviceInfo>
            <NA href="/api/space/nsas/device-roles/pe-devices/4423781"
uri="/api/space/nsas/device-roles/pe-devices/4423781"
            key="4423781">
              <DeviceName>embassy</DeviceName>
              <DeviceID>4423781</DeviceID>
            </NA>
          </DeviceInfo>
          <ServiceEndPoint>
            <InterfaceName>ge-1/0/3</InterfaceName>

```

```

    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="VPLSBGPEndPointConfigParameterOrderType">
        <PhysicalEncapsulation>flexible-ethernet-services
        </PhysicalEncapsulation>
        <UNIDescription>N/A</UNIDescription>
        <MTU>1522</MTU>
        <CustomerVlanIdStart>2000</CustomerVlanIdStart>
        <CustomerVlanIdEnd>3000</CustomerVlanIdEnd>
        <MACLearning>true</MACLearning>
        <InterfaceMACLimit>1024</InterfaceMACLimit>
        <MACStatistics>false</MACStatistics>
        <MACTableSize>5120</MACTableSize>
      </ServiceEndpointConfiguration>
    <ServiceTemplates>
      <ServiceTemplate key="32826"

uri="/api/space/nsas/elan-vpls/service-management/service-templates/32826"

href="/api/space/nsas/elan-vpls/service-management/service-templates/32826">

      <ID>32826</ID>
      <ConfigParams>
        <Name>Description</Name>
        <Value>Testing description</Value>
        <Decommission>false</Decommission>
        <SvcSpecificValue>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
      </ConfigParams>
    </ServiceTemplate>
    <ServiceTemplate key="2457649"

uri="/api/space/nsas/elan-vpls/service-management/service-templates/2457649"

href="/api/space/nsas/elan-vpls/service-management/service-templates/2457649">

      <ID>2457649</ID>
      <ConfigParams>
        <Name>Description</Name>
        <Value>TESTING 2ND DESC</Value>
        <Decommission>false</Decommission>

```

```

        <SvcSpecificValue>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
</ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA href="/api/space/nsas/device-roles/pe-devices/4423740"
uri="/api/space/nsas/device-roles/pe-devices/4423740"
        key="4423740">
            <DeviceName>kochin</DeviceName>
            <DeviceID>4423740</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/0/7</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">
            <PhysicalEncapsulation>flexible-ethernet-services
            </PhysicalEncapsulation>
            <UNIDescription>N/A</UNIDescription>
            <MTU>1522</MTU>
            <CustomerVlanIdStart>2000</CustomerVlanIdStart>
            <CustomerVlanIdEnd>3000</CustomerVlanIdEnd>
            <MACLearning>true</MACLearning>
            <InterfaceMACLimit>1024</InterfaceMACLimit>
            <MACStatistics>false</MACStatistics>
            <MACTableSize>5120</MACTableSize>
        </ServiceEndpointConfiguration>
    </ServiceTemplates>
    <ServiceTemplate key="32826"

uri="/api/space/nsas/elan-vpls/service-management/service-templates/32826"

href="/api/space/nsas/elan-vpls/service-management/service-templates/32826">

        <ID>32826</ID>
        <ConfigParams>
            <Name>Description</Name>

```

```

        <Value>Testing description</Value>
        <Decommission>>false</Decommission>
        <SvcSpecificValue>>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
</ServiceTemplate>
<ServiceTemplate key="2457649"

uri="/api/space/nsas/elan-vpls/service-management/service-templates/2457649"

href="/api/space/nsas/elan-vpls/service-management/service-templates/2457649">

    <ID>2457649</ID>
    <ConfigParams>
        <Name>Description</Name>
        <Value>TESTING 2ND DESC</Value>
        <Decommission>>false</Decommission>
        <SvcSpecificValue>>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
</ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:type="VPLSConfigParameterOrderType">
    <TrafficType>Transport vlan range</TrafficType>
    <RouteTarget>100:6</RouteTarget>
    <VLANNormalization>Normalize All</VLANNormalization>
</ServiceOrderParameter>
<Reference>
    <Customer key="426088"
        href="/api/space/nsas/customer-management/customers/426088"
uri="/api/space/nsas/customer-management/customers/426088" />
    <ServiceDefinition>
        <ServiceDefinitionID key="4882432"
            href="/api/space/nsas/service-management/service-definitions/4882432"
            uri="/api/space/nsas/service-management/service-definitions/4882432"
/>
    </ServiceDefinition>

```

```

    </Reference>
  </ServiceOrder>
</ServiceResource>
</Data>

```

Output (IP)

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/l3vpn/service-management/service-orders/4915219"
      uri="/api/space/nsas/l3vpn/service-management/service-orders/4915219"
      key="4915219">
      <Common>
        <Name>L3VPN_SO_ST001</Name>
        <Identity>4915219</Identity>
        <State>Invalid</State>
        <Comments></Comments>
        <CreatedDate>2012-12-19T18:16:28.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-12-19T18:16:28.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>l3vpn</ServiceType>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/device-roles/pe-devices/4423740"
            uri="/api/space/nsas/device-roles/pe-devices/4423740"
            key="4423740">
            <DeviceName>kochin</DeviceName>
            <DeviceID>4423740</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/5</InterfaceName>
          <ServiceEndpointConfiguration

```

```

    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
    <RoutingProtocol>OSPF</RoutingProtocol>
    <EthernetOption>Vlan</EthernetOption>
    <VlanId>1</VlanId>
    <UnitID>0</UnitID>
    <InterfaceIP>10.0.99.1</InterfaceIP>
    <OSPFAreaId>0.0.0.0</OSPFAreaId>
    <OSPFVersion>Ver 2</OSPFVersion>
</ServiceEndpointConfiguration>
<ServiceTemplates>
    <ServiceTemplate key="32826"
uri="/api/space/nsas/l3vpn/service-management/service-templates/32826"

href="/api/space/nsas/l3vpn/service-management/service-templates/32826">

        <ID>32826</ID>
        <ConfigParams>
            <Name>Description</Name>
            <Value>Testing description</Value>
            <Decommission>>false</Decommission>
            <SvcSpecificValue>>false</SvcSpecificValue>
            <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
    </ServiceTemplate>
    <ServiceTemplate key="2457649"
uri="/api/space/nsas/l3vpn/service-management/service-templates/2457649"

href="/api/space/nsas/l3vpn/service-management/service-templates/2457649">
        <ID>2457649</ID>
        <ConfigParams>
            <Name>Description</Name>
            <Value>TESTING 2ND DESC</Value>
            <Decommission>>false</Decommission>
            <SvcSpecificValue>>false</SvcSpecificValue>
            <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
    </ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>

```

```

<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/4423781"
uri="/api/space/nsas/device-roles/pe-devices/4423781"
    key="4423781">
      <DeviceName>embassy</DeviceName>
      <DeviceID>4423781</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-1/0/6</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
      <RoutingProtocol>OSPF</RoutingProtocol>
      <EthernetOption>Vlan</EthernetOption>
      <VlanId>1</VlanId>
      <UnitID>0</UnitID>
      <InterfaceIP>10.0.88.1</InterfaceIP>
      <OSPFAreaId>0.0.0.0</OSPFAreaId>
      <OSPFVersion>Ver 2</OSPFVersion>
    </ServiceEndpointConfiguration>
    <ServiceTemplates>
      <ServiceTemplate key="32826"
uri="/api/space/nsas/l3vpn/service-management/service-templates/32826"

      href="/api/space/nsas/l3vpn/service-management/service-templates/32826">

      <ID>32826</ID>
      <ConfigParams>
        <Name>Description</Name>
        <Value>Testing description</Value>
        <Decommission>false</Decommission>
        <SvcSpecificValue>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
      </ConfigParams>
    </ServiceTemplate>
    <ServiceTemplate key="2457649"
uri="/api/space/nsas/l3vpn/service-management/service-templates/2457649"

      href="/api/space/nsas/l3vpn/service-management/service-templates/2457649">

```

```

        <ID>2457649</ID>
        <ConfigParams>
            <Name>Description</Name>
            <Value>TESTING 2ND DESC</Value>
            <Decommission>>false</Decommission>
            <SvcSpecificValue>>false</SvcSpecificValue>
            <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
    </ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

    xsi:type="L3VPNConfigParameterOrderType">
        <RouteTarget>100:7</RouteTarget>
        <RouteDistinguisher>100:24</RouteDistinguisher>
        <VRFTabelLabel>Enabled</VRFTabelLabel>
        <OSPFDomainID>22.44.33.22</OSPFDomainID>
    </ServiceOrderParameter>
    <Reference>
        <Customer key="426088"
            href="/api/space/nsas/customer-management/customers/426088"
uri="/api/space/nsas/customer-management/customers/426088" />
        <ServiceDefinition>
            <ServiceDefinitionID key="4915200"

href="/api/space/nsas/l3vpn/service-management/service-definitions/4915200"

uri="/api/space/nsas/l3vpn/service-management/service-definitions/4915200"
/>
        </ServiceDefinition>
    </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Get an E-Line Service Definition Associated with a Service Template by Service Definition ID

This request is used to retrieve a specific Layer 2 Ethernet Private Line (EPL, also called E-Line) service definition that is attached to a service template, based on the service definition ID.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ntp/service-management/service-definitions/<ServiceDefinitionID> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition+xml application/vnd.net.juniper.space.service-management.service-definition+json |
| Produces | Retrieves the details of a specific configured E-Line service definition that contains a service template based on a service definition ID. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition

href="/api/space/nsas/eline-ntp/service-management/service-definitions/295160"

uri="/api/space/nsas/eline-ntp/service-management/service-definitions/295160"

    key="295160">
      <Common>
        <Name>P2P001</Name>
        <Identity>295160</Identity>
        <State>Published</State>
        <CreatedDate>2012-12-06T11:57:22.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-12-06T11:57:22.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
```

```

<ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
<InterfaceType>Ethernet</InterfaceType>
<EnableL3Access>false</EnableL3Access>
<ServiceTemplates>
  <ServiceTemplate
    key="/api/space/nsas/eline-ptp/service-management/service-templates/32826"

    uri="/api/space/nsas/eline-ptp/service-management/service-templates/32826"

href="/api/space/nsas/eline-ptp/service-management/service-templates/32826">

    <ID>32826</ID>
    <Name>TEMP001</Name>
  </ServiceTemplate>
</ServiceTemplates>
<ServiceElementConfigurationDefinition
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterDefType">
  <VCID default="1" selection="Auto pick" editable="false" min="1"
    max="4294967296" />
  <MTU default="1522" editable="false" min="1522" max="9192" />
</ServiceElementConfigurationDefinition>
<ServiceEndPointConfigurationDefinition
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType">
  <EthernetOption>qinq</EthernetOption>
  <VlanIdSelection selection="Auto pick" editable="false" />
  <TrafficType>Transport all traffic</TrafficType>
  <VlanIdAuto default="0" min="0" max="0" />
  <VlanIdManual default="0" min="0" max="0" />
  <PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
  <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
  <MTU default="1522" editable="false" min="1522" max="9192" />
  <EnableRateLimiting>Enabled</EnableRateLimiting>
  <DefaultBandwidth default="1" editable="false" min="1"
    max="100" unit="Mbps">10</DefaultBandwidth>
  <MinBandwidth min="64" max="100000" unit="Kbps">0
</MinBandwidth>
  <MaxBandwidth min="1" max="100000" unit="Mbps">0
</MaxBandwidth>
  <Increment default="64" min="64" max="100000" unit="Kbps">0

```

```
</Increment>
<OuterTagProtocolId editable="false" />
<InnerTagProtocolId editable="false" />
</ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>
```

Create a Service Definition Associated with a Service Template

This request is used to create a service definition configured with a service template.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/service-definitions/ api/space/nsas/elan-vpls/service-management/service-definitions/ api/space/nsas/l3vpn/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-definition+xml;version=2;charset=UTF-8 |
| Consumes | <p>application/vnd.net.juniper.space.service-management.service-definition-status+xml;version=2</p> <p>The following values are not correct and they are predefined as false.</p> <p><Decommission>>false</Decommission></p> <p><SvcSpecificValue>>false</SvcSpecificValue></p> <p>The Xpath parameter is used in the following format:</p> <p><ConfigPageName>cp1</ConfigPageName></p> <p>Here, cp1 represents the configuration page in template. If more than one config page is present, all the values, such as cp1, cp2, and so on, are fetched correspondingly.</p> |
| Produces | Creates a service definition configured with a service template |

Input (E-Line)

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>P2P_DEF_TEMP_001</Name>
      </Common>
      <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
      <InterfaceType>Ethernet</InterfaceType>
      <EnableL3Access>false</EnableL3Access>
      <ServiceTemplates>
        <ServiceTemplate>
          <ID>2654218</ID>
        </ServiceTemplate>
      </ServiceTemplates>
      <ServiceElementConfigurationDefinition
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="PTPServiceEndpointGroupParameterDefType">
        <VCID default="1" selection="Auto pick" editable="false" min="1"
          max="4294967296" />
        <MTU default="1522" editable="true" min="1522" max="9192" />
      </ServiceElementConfigurationDefinition>
      <ServiceEndPointConfigurationDefinition
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="PTPEndPointParameterDefType">
        <EthernetOption>qinq</EthernetOption>
        <VlanIdSelection selection="Auto pick" editable="false" />
        <TrafficType>Transport all traffic</TrafficType>
        <VlanIdAuto default="0" min="0" max="0" />
        <VlanIdManual default="0" min="0" max="0" />
        <PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
        <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
        <MTU default="1522" editable="true" min="1522" max="9192" />
        <EnableRateLimiting>Enabled</EnableRateLimiting>
        <DefaultBandwidth default="1" editable="true" min="1"
          max="100" unit="Mbps">10</DefaultBandwidth>
        <MinBandwidth min="64" max="100000" unit="Kbps">1000
        </MinBandwidth>
        <MaxBandwidth min="1" max="100000" unit="Mbps">100
```

```

    </MaxBandwidth>
    <Increment default="64" min="64" max="100000" unit="Kbps">1000
  </Increment>
</ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Input (E-Line TDM)

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>StaticTDMpseudowire001</Name>
      </Common>
      <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
      <InterfaceType>TDM</InterfaceType>
      <StaticpseudoWire>true</StaticpseudoWire>
      <ServiceTemplates>
        <ServiceTemplate>
          <ID>2654218</ID>
        </ServiceTemplate>
      </ServiceTemplates>
      <ServiceElementConfigurationDefinition
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="PTPTDMServiceEndpointGroupParameterDefType">
        <VCID default="1" selection="Auto pick" editable="true" min="1"
          max="4294967296" />
        <MTU default="1522" editable="true" min="1522" max="1900" />
        <OutGoingLabel selection="Select manually"/>
      </ServiceElementConfigurationDefinition>
      <ServiceEndPointConfigurationDefinition
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="PTPTDMEndPointParameterDefType">
        <PhysicalEncapsulation>satop</PhysicalEncapsulation>

```

```

    <JitterBuffer editable="true">5</JitterBuffer>
    <IdlePattern editable="true" min="0" max="255">255
  </IdlePattern>
    <ExcessPacketLossRate editable="true" min="0"
      max="100">20</ExcessPacketLossRate>
    <PayloadSize editable="true">192</PayloadSize>
  </ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Input (Full-Mesh IP)

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>L3VPN-BGP-Static_001</Name>
      </Common>
      <ServiceType>L3VPN</ServiceType>
      <InterfaceType>L3 VPN (Full Mesh)</InterfaceType>
      <ServiceTemplates>
        <ServiceTemplate>
          <ID>2654218</ID>
        </ServiceTemplate>
      </ServiceTemplates>
      <ServiceElementConfigurationDefinition
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="L3VPNServiceEndpointGroupParameterDefType">
        <RouteTarget selection="Auto pick" editable="false" />
        <RouteDistinguisher selection="Auto pick"
          editable="false" />
        <VRFTabelLabel editable="false">true</VRFTabelLabel>
        <ExportDirectRoutes>true</ExportDirectRoutes>
        <RoutingProtocol>BGP/Static Route</RoutingProtocol>
        <PEInterfaceIP selection="Auto pick" editable="true" />

```

```

    <IPPoolType editable="false">Global</IPPoolType>
    <AddressBlockSize editable="true">30</AddressBlockSize>
</ServiceElementConfigurationDefinition>
<ServiceEndPointConfigurationDefinition
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="L3VPNEndPointParameterDefType">
  <VlanIdSelection selection="Auto pick" editable="true" />
  <VlanIdAuto min="0" max="0" />
  <VlanIdManual min="0" max="0" />
</ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Input (Hub-and-Spoke IP)

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>L3VPNOSPFStaticHubSpoke001</Name>
      </Common>
      <ServiceType>L3VPN</ServiceType>
      <InterfaceType>L3 VPN (Hub-Spoke 1 Interface)</InterfaceType>
      <ServiceTemplates>
        <ServiceTemplate>
          <ID>2654218</ID>
        </ServiceTemplate>
      </ServiceTemplates>
      <ServiceElementConfigurationDefinition
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="L3VPNServiceEndpointGroupParameterDefType">
        <RouteTarget selection="Auto pick" editable="false" />
        <RouteDistinguisher selection="Auto pick"
          editable="false" />
        <VRFTabelLabel editable="false">true</VRFTabelLabel>
      </ServiceElementConfigurationDefinition>
    </ServiceDefinition>
  </ServiceResource>
</Data>

```

```
<ExportDirectRoutes>true</ExportDirectRoutes>
<RoutingProtocol>OSPF/Static Route</RoutingProtocol>
<PEInterfaceIP selection="Auto pick" editable="true" />
<IPPoolType editable="false">Global</IPPoolType>
<AddressBlockSize editable="true">30</AddressBlockSize>
</ServiceElementConfigurationDefinition>
<ServiceEndPointConfigurationDefinition
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="L3VPNEndPointParameterDefType">
  <VlanIdSelection selection="Auto pick" editable="true" />
  <VlanIdAuto min="0" max="0" />
  <VlanIdManual min="0" max="0" />
</ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>
```

Create a Service Order Associated with a Service Template

This request is used to create a service order configured with a service template.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/ service-orders/ api/space/nsas/l3vpn/service-management/ service-orders/ api/space/nsas/elan-vpls/service-management/ service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.service-order+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-order+xml;version=2 |
| Produces | Creates a service order configured with a service template |

Input (E-Line LDP)

Sample XML Input

```
<? xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>Test003</Name>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>kochin</DeviceName>
            <DeviceID>4423740</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/6</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="PTPElineLDP endPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
            <UNIDescription>N/A</UNIDescription>
          </ServiceEndpointConfiguration>
          <ServiceTemplates>
            <ServiceTemplate>
              <Name>TEMP001</Name>
              <ID>32826</ID>
              <ConfigParams>
                <Name>Description</Name>
                <Value>Testing description AA</Value>
                <ConfigPageName>cpl</ConfigPageName>
              </ConfigParams>
            </ServiceTemplate>
            <ServiceTemplate>
              <Name>TEMP003</Name>
              <ID>2457649</ID>
              <ConfigParams>
                <Name>Description</Name>
                <Value>TESTING 2ND DESC AA</Value>
                <ConfigPageName>cpl</ConfigPageName>
              </ConfigParams>
            </ServiceTemplate>
          </ServiceTemplates>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>
</Data>
```

```

        </ServiceTemplate>
    </ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA>
            <DeviceName>embassy</DeviceName>
            <DeviceID>4423781</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-1/1/6</InterfaceName>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDP endPointConfigParameterOrderType">
            <EndPointCategory>PTP</EndPointCategory>
            <UNIDescription>N/A</UNIDescription>
        </ServiceEndpointConfiguration>
    <ServiceTemplates>
        <ServiceTemplate>
            <Name>TEMP001</Name>
            <ID>32826</ID>
            <ConfigParams>
                <Name>Description</Name>
                <Value>Testing description BB</Value>
                <ConfigPageName>cpl</ConfigPageName>
            </ConfigParams>
        </ServiceTemplate>
        <ServiceTemplate>
            <Name>TEMP003</Name>
            <ID>2457649</ID>
            <ConfigParams>
                <Name>Description</Name>
                <Value>TESTING 2ND DESC CC 555</Value>
                <ConfigPageName>cpl</ConfigPageName>
            </ConfigParams>
        </ServiceTemplate>
    </ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

```

```

        xsi:type="PTPConfigParameterOrderType">
    </ServiceOrderParameter>
    <Reference>
        <Customer key="426088"
            href="/api/space/nsas/customer-management/customers/426088"
            uri="/api/space/nsas/customer-management/customers/426088" />
        <ServiceDefinition>
            <ServiceDefinitionID key="2490368"
                href="/api/space/nsas/service-management/service-definitions/2490368"
                uri="/api/space/nsas/service-management/service-definitions/2490368"
            />
        </ServiceDefinition>
    </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Input (E-Line BGP)

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
        <ServiceOrder>
            <Common>
                <Name>P2P_BGP_SO_TEMP_001</Name>
            </Common>
            <ServiceEndPointGroup>
                <DeviceInfo>
                    <NA>
                        <DeviceName>vjx-junos-mx240-space</DeviceName>
                        <DeviceID>10256467</DeviceID>
                    </NA>
                </DeviceInfo>
                <ServiceEndPoint>
                    <InterfaceName>ge-0/0/7</InterfaceName>
                    <ServiceEndpointConfiguration

```

```

        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
    <VlanId>2200</VlanId>
    <CustomerVlanId>2440</CustomerVlanId>
</ServiceEndpointConfiguration>
<ServiceTemplates>
    <ServiceTemplate>
        <ID>9797632</ID>
        <ConfigParams>
            <Name>Description</Name>
            <Value>Template Description-A</Value>
            <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
    </ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA>
            <DeviceName>vjx-junos-mx80-1-space</DeviceName>
            <DeviceID>10256459</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/0/5</InterfaceName>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineBGPEndPointConfigParameterOrderType">
            <VlanId>2200</VlanId>
            <CustomerVlanId>2440</CustomerVlanId>
</ServiceEndpointConfiguration>
<ServiceTemplates>
    <ServiceTemplate>
        <ID>9797632</ID>
        <ConfigParams>
            <Name>Description</Name>
            <Value>Template Description-Z</Value>
            <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
    </ServiceTemplate>
</ServiceTemplates>

```

```

        </ServiceEndPoint>
    </ServiceEndPointGroup>
    <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

        xsi:type="PTPConfigParameterOrderType">
    </ServiceOrderParameter>
    <Reference>
        <Customer key="884834"/>
        <ServiceDefinition>
            <ServiceDefinitionID key="10158080"/>
        </ServiceDefinition>
    </Reference>
    </ServiceOrder>
</ServiceResource>
</Data>

```

Output (E-Line BGP)

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
    <Data xmlns="services.schema.networkapi.jmp.juniper.net">
        <Status>
            <Identity>
                <Type>ServiceOrder</Type>
                <Value>1376427</Value>
            </Identity>
            <Job>
                <ID>426219</ID>
                <Status>INPROGRESS</Status>
            </Job>
            <Code>200</Code>
            <Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
        </Status>
    </Data>

```

Input (E-LAN Full-Mesh BGP)

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>VPLS_ST_M2M_001</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>embassy</DeviceName>
            <DeviceID>4423781</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/0/6</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="VPLSBGPEndPointConfigParameterOrderType">
            <CustomerVlanIdStart>1000</CustomerVlanIdStart>
            <CustomerVlanIdEnd>2000</CustomerVlanIdEnd>
          </ServiceEndpointConfiguration>
          <ServiceTemplates>
            <ServiceTemplate>
              <ID>32826</ID>
              <ConfigParams>
                <Name>Description</Name>
                <Value>Testing description AA</Value>
                <Decommission>>false</Decommission>
                <SvcSpecificValue>>false</SvcSpecificValue>
                <ConfigPageName>cpl</ConfigPageName>
              </ConfigParams>
            </ServiceTemplate>
            <ServiceTemplate>
              <ID>2457649</ID>
              <ConfigParams>
                <Name>Description</Name>
                <Value>TESTING 2ND DESC AAA</Value>
                <Decommission>>false</Decommission>
                <SvcSpecificValue>>false</SvcSpecificValue>
                <ConfigPageName>cpl</ConfigPageName>
              </ConfigParams>
            </ServiceTemplate>
          </ServiceTemplates>
        </ServiceEndPoint>
      </ServiceOrder>
    </ServiceResource>
  </Data>
</ServiceResource>
```

```

        </ConfigParams>
    </ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA>
            <DeviceName>kochin</DeviceName>
            <DeviceID>4423740</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/0/5</InterfaceName>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">
            <CustomerVlanIdStart>1000</CustomerVlanIdStart>
            <CustomerVlanIdEnd>2000</CustomerVlanIdEnd>
        </ServiceEndpointConfiguration>
    </ServiceTemplates>
    <ServiceTemplate>
        <ID>32826</ID>
        <ConfigParams>
            <Name>Description</Name>
            <Value>Testing description ZZ</Value>
            <Decommission>>false</Decommission>
            <SvcSpecificValue>>false</SvcSpecificValue>
            <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
    </ServiceTemplate>
    <ServiceTemplate>
        <ID>2457649</ID>
        <ConfigParams>
            <Name>Description</Name>
            <Value>TESTING 2ND DESC ZZZ</Value>
            <Decommission>>false</Decommission>
            <SvcSpecificValue>>false</SvcSpecificValue>
            <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
    </ServiceTemplate>
</ServiceTemplates>

```

```

    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <Reference>
    <Customer key="426088" />
    <ServiceDefinition>
      <ServiceDefinitionID key="4882432" />
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="ServiceOrderCustomActionType">
  <Action>SaveAndDeployNow</Action>
</CustomAction>
</Data>

```

Input (E-LAN Hub-and-Spoke BGP)

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>VPLS_ST_HS_001</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>embassy</DeviceName>
            <DeviceID>4423781</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/0/6</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="VPLSHSBGPEndPointConfigParameterOrderType">

```

```

<Hub>false</Hub>

</ServiceEndpointConfiguration>
<ServiceTemplates>
  <ServiceTemplate>
    <ID>32826</ID>
    <ConfigParams>
      <Name>Description</Name>
      <Value>Testing description AA</Value>
      <Decommission>false</Decommission>
      <SvcSpecificValue>false</SvcSpecificValue>
      <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
  </ServiceTemplate>
  <ServiceTemplate>
    <ID>2457649</ID>
    <ConfigParams>
      <Name>Description</Name>
      <Value>TESTING 2ND DESC AAA</Value>
      <Decommission>false</Decommission>
      <SvcSpecificValue>false</SvcSpecificValue>
      <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
  </ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA>
      <DeviceName>kochin</DeviceName>
      <DeviceID>4423740</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/0/5</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="VPLSHSBGPEndPointConfigParameterOrderType">
      <Hub>true</Hub>

    </ServiceEndpointConfiguration>
  </ServiceTemplates>
  <ServiceTemplate>

```

```

        <ID>32826</ID>
        <ConfigParams>
            <Name>Description</Name>
            <Value>Testing description ZZ</Value>
            <Decommission>>false</Decommission>
            <SvcSpecificValue>>false</SvcSpecificValue>
            <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
    </ServiceTemplate>
    <ServiceTemplate>
        <ID>2457649</ID>
        <ConfigParams>
            <Name>Description</Name>
            <Value>TESTING 2ND Endpoint Z</Value>
            <Decommission>>false</Decommission>
            <SvcSpecificValue>>false</SvcSpecificValue>
            <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
    </ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<Reference>
    <Customer key="426088" />
    <ServiceDefinition>
        <ServiceDefinitionID key="5210192" />
    </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndDeployNow</Action>
</CustomAction>
</Data>

```

Input (E-LAN LDP)

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>VPLS_LDP_TEMP_SO_001</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>vjx-junos-mx80-1-space</DeviceName>
            <DeviceID>10256459</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/6</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="VPLSLDPEndPointConfigParameterOrderType">
            <VlanId>1602</VlanId>
            <MTU>1522</MTU>
            <CustomerVlanId>2102</CustomerVlanId>
          </ServiceEndpointConfiguration>
          <ServiceTemplates>
            <ServiceTemplate>
              <ID>9797632</ID>
              <ConfigParams>
                <Name>Description</Name>
                <Value>Template Description-A</Value>
                <ConfigPageName>cpl</ConfigPageName>
              </ConfigParams>
            </ServiceTemplate>
          </ServiceTemplates>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>vjx-junos-mx240-space</DeviceName>
            <DeviceID>10256467</DeviceID>
          </NA>
        </DeviceInfo>

```

```

    <ServiceEndPoint>
      <InterfaceName>ge-0/0/7</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSLDPEndPointConfigParameterOrderType">
        <VlanId>1602</VlanId>
        <MTU>1522</MTU>
        <CustomerVlanId>2102</CustomerVlanId>
      </ServiceEndpointConfiguration>
      <ServiceTemplates>
        <ServiceTemplate>
          <ID>9797632</ID>
          <ConfigParams>
            <Name>Description</Name>
            <Value>Template Description-Z</Value>
            <ConfigPageName>cpl</ConfigPageName>
          </ConfigParams>
        </ServiceTemplate>
      </ServiceTemplates>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="VPLSConfigParameterOrderType">
</ServiceOrderParameter>
<Reference>
  <Customer key="884834"/>
  <ServiceDefinition>
    <ServiceDefinitionID key="10289152"/>
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Input (Full-Mesh IP OSPF)

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3VPN_SO_ST001</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>kochin</DeviceName>
            <DeviceID>4423740</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/5</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="L3VPNFMOspfEndPointConfigParameterOrderType">
            <EthernetOption>VLAN</EthernetOption>
            <IPAddressPool>10.0.88.0/24</IPAddressPool>
            <OSPFAreaId>0.0.0.0</OSPFAreaId>
            <OSPFVersion>Ver 2</OSPFVersion>
          </ServiceEndpointConfiguration>
          <ServiceTemplates>
            <ServiceTemplate>
              <ID>32826</ID>
              <ConfigParams>
                <Name>Description</Name>
                <Value>Testing description AA</Value>
                <Decommission>>false</Decommission>
                <SvcSpecificValue>>false</SvcSpecificValue>
                <ConfigPageName>cpl</ConfigPageName>
              </ConfigParams>
            </ServiceTemplate>
            <ServiceTemplate>
              <ID>2457649</ID>
              <ConfigParams>
                <Name>Description</Name>
                <Value>TESTING 2ND DESC AA</Value>
                <Decommission>>false</Decommission>
                <SvcSpecificValue>>false</SvcSpecificValue>
              </ConfigParams>
            </ServiceTemplate>
          </ServiceTemplates>
        </ServiceEndPoint>
      </ServiceOrder>
    </ServiceResource>
  </Data>

```

```

        <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
</ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA>
            <DeviceName>embassy</DeviceName>
            <DeviceID>4423781</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-1/0/6</InterfaceName>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
            <EthernetOption>VLAN</EthernetOption>
            <IPAddressPool>10.0.99.0/24</IPAddressPool>
            <OSPFAreaId>0.0.0.0</OSPFAreaId>
            <OSPFVersion>Ver 2</OSPFVersion>
        </ServiceEndpointConfiguration>
    </ServiceTemplates>
    <ServiceTemplate>
        <ID>32826</ID>
        <ConfigParams>
            <Name>Description</Name>
            <Value>Testing description ZZ</Value>
            <Decommission>>false</Decommission>
            <SvcSpecificValue>>false</SvcSpecificValue>
            <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
    </ServiceTemplate>
    <ServiceTemplate>
        <ID>2457649</ID>
        <ConfigParams>
            <Name>Description</Name>
            <Value>TESTING 2ND DESC ZZ</Value>
            <Decommission>>false</Decommission>
            <SvcSpecificValue>>false</SvcSpecificValue>
            <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
    </ServiceTemplate>
</ServiceEndPointGroup>
</ServiceTemplates>
</ServiceTemplates>

```

```

        </ConfigParams>
    </ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<Reference>
    <Customer key="426088" />
    <ServiceDefinition>
        <ServiceDefinitionID key="4915200" />
    </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Input (Full-Mesh IP BGP)

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
        <ServiceOrder>
            <Common>
                <Name>L3VPNFMBGPService</Name>
                <Comments></Comments>
            </Common>
            <ServiceEndPointGroup>
                <DeviceInfo>
                    <NA>
                        <DeviceName>kochin</DeviceName>
                        <DeviceID>4423740</DeviceID>
                    </NA>
                </DeviceInfo>
                <ServiceEndPoint>
                    <InterfaceName>ge-0/0/5</InterfaceName>
                    <ServiceEndpointConfiguration
                        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
                        xsi:type="L3VPNFMBGP endPointConfigParameterOrderType">

```

```

    <EthernetOption>VLAN</EthernetOption>
    <Hub>true</Hub>
    <IPAddressPool>10.0.77.0/24</IPAddressPool>
    <PeerAS>23</PeerAS>
  </ServiceEndpointConfiguration>
  <ServiceTemplates>
    <ServiceTemplate>
      <ID>32826</ID>
      <ConfigParams>
        <Name>Description</Name>
        <Value>Testing description AA</Value>
        <Decommission>>false</Decommission>
        <SvcSpecificValue>>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
      </ConfigParams>
    </ServiceTemplate>
    <ServiceTemplate>
      <ID>2457649</ID>
      <ConfigParams>
        <Name>Description</Name>
        <Value>TESTING 2ND DESC AAA</Value>
        <Decommission>>false</Decommission>
        <SvcSpecificValue>>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
      </ConfigParams>
    </ServiceTemplate>
  </ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA>
      <DeviceName>embassy</DeviceName>
      <DeviceID>4423781</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-1/0/6</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="L3VPNFMGBPEndPointConfigParameterOrderType">
      <EthernetOption>VLAN</EthernetOption>

```

```

    <Hub>false</Hub>
    <IPAddressPool>10.0.88.0/24</IPAddressPool>
    <PeerAS>24</PeerAS>
  </ServiceEndpointConfiguration>
  <ServiceTemplates>
    <ServiceTemplate>
      <ID>32826</ID>
      <ConfigParams>
        <Name>Description</Name>
        <Value>Testing description ZZ</Value>
        <Decommission>false</Decommission>
        <SvcSpecificValue>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
      </ConfigParams>
    </ServiceTemplate>
    <ServiceTemplate>
      <ID>2457649</ID>
      <ConfigParams>
        <Name>Description</Name>
        <Value>TESTING 2ND DESC ZZZ</Value>
        <Decommission>false</Decommission>
        <SvcSpecificValue>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
      </ConfigParams>
    </ServiceTemplate>
  </ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<Reference>
  <Customer key="426088" />
  <ServiceDefinition>
    <ServiceDefinitionID key="5111981"/>
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="ServiceOrderCustomActionType">
  <Action>SaveAndDeployNow</Action>
</CustomAction>
</Data>

```

Input (Hub-and-Spoke IP OSPF)

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3VPNHSOSPFSERVICE</Name>
        <Comments></Comments>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>kochin</DeviceName>
            <DeviceID>4423740</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/5</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="L3VPNHSOSPFSERVICEEndpointConfigParameterOrderType">
            <EthernetOption>VLAN</EthernetOption>
            <Hub>true</Hub>
            <IPAddressPool>10.0.77.0/24</IPAddressPool>
            <OSPFAreaId>0.0.0.0</OSPFAreaId>
            <OSPFVersion>Ver 2</OSPFVersion>
          </ServiceEndpointConfiguration>
          <ServiceTemplates>
            <ServiceTemplate>
              <ID>32826</ID>
              <ConfigParams>
                <Name>Description</Name>
                <Value>Testing description AA</Value>
                <Decommission>>false</Decommission>
                <SvcSpecificValue>>false</SvcSpecificValue>
                <ConfigPageName>cpl</ConfigPageName>
              </ConfigParams>
            </ServiceTemplate>
            <ServiceTemplate>
              <ID>2457649</ID>
```

```

    <ConfigParams>
      <Name>Description</Name>
      <Value>TESTING 2ND DESC AAA</Value>
      <Decommission>>false</Decommission>
      <SvcSpecificValue>>false</SvcSpecificValue>
      <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
  </ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA>
      <DeviceName>embassy</DeviceName>
      <DeviceID>4423781</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-1/0/6</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="L3VPNHSOSPFEndPointConfigParameterOrderType">
      <EthernetOption>VLAN</EthernetOption>
      <Hub>>false</Hub>
      <IPAddressPool>10.0.88.0/24</IPAddressPool>
      <OSPFAreaId>1.1.1.1</OSPFAreaId>
      <OSPFVersion>Ver 3</OSPFVersion>
    </ServiceEndpointConfiguration>
  </ServiceTemplates>
  <ServiceTemplate>
    <ID>32826</ID>
    <ConfigParams>
      <Name>Description</Name>
      <Value>Testing description ZZ</Value>
      <Decommission>>false</Decommission>
      <SvcSpecificValue>>false</SvcSpecificValue>
      <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
  </ServiceTemplate>
  <ServiceTemplate>
    <ID>2457649</ID>

```

```

        <ConfigParams>
          <Name>Description</Name>
          <Value>TESTING 2ND DESC ZZZ</Value>
          <Decommission>>false</Decommission>
          <SvcSpecificValue>>false</SvcSpecificValue>
          <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
      </ServiceTemplate>
    </ServiceTemplates>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<Reference>
  <Customer key="426088" />
  <ServiceDefinition>
    <ServiceDefinitionID key="5111889" />
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="ServiceOrderCustomActionType">
  <Action>SaveAndDeployNow</Action>
</CustomAction>
</Data>

```

Input (Hub-and-Spoke IP BGP)

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3VPNHSBGPSERVICE</Name>
        <Comments></Comments>
      </Common>
    <ServiceEndPointGroup>
      <DeviceInfo>

```

```

    <NA>
    <DeviceName>kochin</DeviceName>
    <DeviceID>4423740</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-0/0/5</InterfaceName>
  <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="L3VPNHSBGPEndPointConfigParameterOrderType">
    <EthernetOption>VLAN</EthernetOption>
    <Hub>true</Hub>
    <IPAddressPool>10.0.77.0/24</IPAddressPool>
    <PeerAS>23</PeerAS>
  </ServiceEndpointConfiguration>
  <ServiceTemplates>
    <ServiceTemplate>
      <ID>32826</ID>
      <ConfigParams>
        <Name>Description</Name>
        <Value>Testing description AA</Value>
        <Decommission>>false</Decommission>
        <SvcSpecificValue>>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
      </ConfigParams>
    </ServiceTemplate>
    <ServiceTemplate>
      <ID>2457649</ID>
      <ConfigParams>
        <Name>Description</Name>
        <Value>TESTING 2ND DESC AAA</Value>
        <Decommission>>false</Decommission>
        <SvcSpecificValue>>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
      </ConfigParams>
    </ServiceTemplate>
  </ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA>

```

```

    <DeviceName>embassy</DeviceName>
    <DeviceID>4423781</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-1/0/6</InterfaceName>
  <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="L3VPNHSBGPEndPointConfigParameterOrderType">
    <EthernetOption>VLAN</EthernetOption>
    <Hub>false</Hub>
    <IPAddressPool>10.0.88.0/24</IPAddressPool>
    <PeerAS>24</PeerAS>
  </ServiceEndpointConfiguration>
</ServiceTemplates>
<ServiceTemplate>
  <ID>32826</ID>
  <ConfigParams>
    <Name>Description</Name>
    <Value>Testing description ZZ</Value>
    <Decommission>false</Decommission>
    <SvcSpecificValue>false</SvcSpecificValue>
    <ConfigPageName>cpl</ConfigPageName>
  </ConfigParams>
</ServiceTemplate>
<ServiceTemplate>
  <ID>2457649</ID>
  <ConfigParams>
    <Name>Description</Name>
    <Value>TESTING 2ND DESC ZZZ</Value>
    <Decommission>false</Decommission>
    <SvcSpecificValue>false</SvcSpecificValue>
    <ConfigPageName>cpl</ConfigPageName>
  </ConfigParams>
</ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<Reference>
  <Customer key="426088" />
  <ServiceDefinition>
    <ServiceDefinitionID key="5111962"/>

```

```

    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="ServiceOrderCustomActionType">
  <Action>SaveAndDeployNow</Action>
</CustomAction>
</Data>

```

Get an E-Line Service Associated with a Service Template By Service ID

This request is used to retrieve the details of a particular E-Line service that is configured with a service template, based on the service identifier.

| | |
|-------------|---|
| URI | api/space/nsas/eline-ptp/service-management/services/<serviceId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml |
| Produces | Collects the details of a specific E-Line service that contains a service template. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service
      href="/api/space/nsas/eline-ptp/service-management/services/5603722"
      uri="/api/space/nsas/eline-ptp/service-management/services/5603722"
      key="5603722">
    <Common>

```

```

    <Name>P2P001</Name>
    <Identity>5603722</Identity>
    <State>Deployed</State>
    <Comments></Comments>
    <CreateDate>2012-12-21T14:34:17.000+05:30</CreateDate>
    <LastUpdatedDate>2012-12-21T14:34:17.000+05:30</LastUpdatedDate>
  </Common>
  <ServiceType>LDP</ServiceType>
  <AuditFlag>
    <FunctionalAudit>Pending</FunctionalAudit>
    <FaultStatus>None</FaultStatus>
  </AuditFlag>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA href="/api/space/nsas/device-roles/pe-devices/5537806"
uri="/api/space/nsas/device-roles/pe-devices/5537806"
      key="5537806">
        <DeviceName>exora</DeviceName>
        <DeviceID>5537806</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-0/1/1.1500</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterServiceType">
        <EndPointCategory>PTP</EndPointCategory>
        <TrafficType>QINQ Transport all traffic</TrafficType>
        <PhysicalEncapsulation>extended-vlan-ccc</PhysicalEncapsulation>
        <LogicalEncapsulation>extended-vlan-ccc</LogicalEncapsulation>
        <UNIDescription>N/A</UNIDescription>
        <VlanId>1500</VlanId>
        <MTU>1522</MTU>
        <Bandwidth unit="Mbps">0</Bandwidth>
      </ServiceEndpointConfiguration>
    <ServiceTemplates>
      <ServiceTemplate key="32826"

uri="/api/space/nsas/eline-ptp/service-management/service-templates/32826"

href="/api/space/nsas/eline-ptp/service-management/service-templates/32826">

```

```

<ID>32826</ID>
<ConfigParams>
  <Name>Description</Name>
  <Value>Testing description AA</Value>
  <Decommission>>false</Decommission>
  <SvcSpecificValue>>false</SvcSpecificValue>
  <ConfigPageName>cpl</ConfigPageName>
</ConfigParams>
</ServiceTemplate>
<ServiceTemplate key="2457649"

```

uri="/api/space/nsas/eline-ntp/service-management/service-templates/2457649"

href="/api/space/nsas/eline-ntp/service-management/service-templates/2457649">

```

  <ID>2457649</ID>
  <ConfigParams>
    <Name>Description</Name>
    <Value>TESTING 2ND DESC AAA</Value>
    <Decommission>>false</Decommission>
    <SvcSpecificValue>>false</SvcSpecificValue>
    <ConfigPageName>cpl</ConfigPageName>
  </ConfigParams>
</ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
<ServiceEndPointGroupParameter
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
  <PEDevice_LoopBackIP>50.1.2.3</PEDevice_LoopBackIP>
  <PEDevice_NeighborIP>50.1.2.2</PEDevice_NeighborIP>
</ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/5537816"
uri="/api/space/nsas/device-roles/pe-devices/5537816"
    key="5537816">
      <DeviceName>jaipur</DeviceName>
      <DeviceID>5537816</DeviceID>
    </NA>

```

```

    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-0/1/1.1500</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="PTPElineLDPEndPointConfigParameterServiceType">
        <EndPointCategory>PTP</EndPointCategory>
        <TrafficType>QINQ Transport all traffic</TrafficType>
        <PhysicalEncapsulation>extended-vlan-ccc</PhysicalEncapsulation>
        <LogicalEncapsulation>extended-vlan-ccc</LogicalEncapsulation>
        <UNIDescription>N/A</UNIDescription>
        <VlanId>1500</VlanId>
        <MTU>1522</MTU>
        <Bandwidth unit="Mbps">0</Bandwidth>
      </ServiceEndpointConfiguration>
    </ServiceTemplates>
    <ServiceTemplate key="32826"

uri="/api/space/nsas/eline-ptp/service-management/service-templates/32826"

href="/api/space/nsas/eline-ptp/service-management/service-templates/32826">

      <ID>32826</ID>
      <ConfigParams>
        <Name>Description</Name>
        <Value>Testing description ZZ</Value>
        <Decommission>false</Decommission>
        <SvcSpecificValue>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
      </ConfigParams>
    </ServiceTemplate>
    <ServiceTemplate key="2457649"

uri="/api/space/nsas/eline-ptp/service-management/service-templates/2457649"

href="/api/space/nsas/eline-ptp/service-management/service-templates/2457649">

      <ID>2457649</ID>
      <ConfigParams>
        <Name>Description</Name>
        <Value>TESTING 2ND DESC ZZZ</Value>

```

```

        <Decommission>false</Decommission>
        <SvcSpecificValue>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
</ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
<ServiceEndPointGroupParameter
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
    <PEDevice_LoopBackIP>50.1.2.2</PEDevice_LoopBackIP>
    <PEDevice_NeighborIP>50.1.2.3</PEDevice_NeighborIP>
</ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
<ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="PTPConfigParameterServiceType">
    <MTU>1522</MTU>
    <VCID>122</VCID>
</ServiceParameters>
<Reference>
    <ServiceOrder key="5603701"
        href="/api/space/nsas/eline-ntp/service-management/service-orders/5603701"

        uri="/api/space/nsas/eline-ntp/service-management/service-orders/5603701"
    />
    <ServiceDefinition>
        <ServiceDefinitionID key="5603687"

        href="/api/space/nsas/eline-ntp/service-management/service-definitions/5603687"

        uri="/api/space/nsas/eline-ntp/service-management/service-definitions/5603687"
    />
    </ServiceDefinition>
    <Customer key="426088"
        href="/api/space/nsas/customer-management/customers/426088"
    uri="/api/space/nsas/customer-management/customers/426088" />
    </Reference>
</Service>
</ServiceResource>
</Data>

```

Modify an E-Line Service Associated with a Service Template

This request is used to modify an E-Line service that contains a service template.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/services/{service-Id} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.modify-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml;version=2 |
| Produces | Modifies an E-Line service that contains a service template. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>P2P001_MODIFY</Name>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>exora</DeviceName>
          </NA>
        </DeviceInfo>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>
</Data>
```

```

        <DeviceID>5537806</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge-0/1/1</InterfaceName>
    <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
        <MTU>1527</MTU>
    </ServiceEndpointConfiguration>
    <ServiceTemplates>
        <ServiceTemplate>
            <ID>32826</ID>
            <ConfigParams>
                <Name>Description</Name>
                <Value>Testing description Modify</Value>
                <Decommission>>false</Decommission>
                <SvcSpecificValue>>false</SvcSpecificValue>
                <ConfigPageName>cpl</ConfigPageName>
            </ConfigParams>
        </ServiceTemplate>
        <ServiceTemplate>
            <ID>2457649</ID>
            <ConfigParams>
                <Name>Description</Name>
                <Value>TESTING 2ND DESC Modify</Value>
                <Decommission>>false</Decommission>
                <SvcSpecificValue>>false</SvcSpecificValue>
                <ConfigPageName>cpl</ConfigPageName>
            </ConfigParams>
        </ServiceTemplate>
    </ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA>
            <DeviceName>jaipur</DeviceName>
            <DeviceID>5537816</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>

```

```

    <InterfaceName>ge-0/1/1</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
      <MTU>1526</MTU>
    </ServiceEndpointConfiguration>
    <ServiceTemplates>
      <ServiceTemplate>
        <ID>32826</ID>
        <ConfigParams>
          <Name>Description</Name>
          <Value>Testing description Modify1</Value>
          <Decommission>>false</Decommission>
          <SvcSpecificValue>>false</SvcSpecificValue>
          <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
      </ServiceTemplate>
      <ServiceTemplate>
        <ID>2457649</ID>
        <ConfigParams>
          <Name>Description</Name>
          <Value>TESTING 2ND DESC Modify2</Value>
          <Decommission>>false</Decommission>
          <SvcSpecificValue>>false</SvcSpecificValue>
          <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
      </ServiceTemplate>
    </ServiceTemplates>
  </ServiceEndPoint>
</ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
</Data>

```

Performance Monitoring Statistics Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director Performance Monitoring Statistics Management RESTful Web Services.

Start Collection of PM Statistics

This request is used to start the collection of performance monitoring statistics.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/services/{service-id}/performanceMonitoring/twoway-delay/operation api/space/nsas/eline-ptp/service-management/services/{service-id}/performanceMonitoring/oneway-delay/operation api/space/nsas/eline-ptp/service-management/services/{service-id}/performanceMonitoring/loss/operation api/space/nsas/elan-vpls/service-management/services/{service-id}/performanceMonitoring/twoway-delay/operation api/space/nsas/elan-vpls/service-management/services/{service-id}/performanceMonitoring/oneway-delay/operation api/space/nsas/elan-vpls/service-management/services/{service-id}/performanceMonitoring/loss/operation |
| HTTP Method | POST |
| Content Type | application/xml |
| Consumes | application/xml |
| Produces | Starts the collection of performance monitoring statistics. |

Input

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource >
    <PerformanceMonitoring>
      <Operation>start</Operation>
    <AEnd>
      <DeviceName>penelope</DeviceName>
      <DeviceID>589940</DeviceID>
    </AEnd>
  <ZEnd>
    <DeviceName>froh</DeviceName>
  
```

```
<DeviceID>1114174</DeviceID>
</ZEnd>
<IntervalDuration>10</IntervalDuration>
<MeasurementAttribute>
  <Count>10</Count>
  <Wait>1</Wait>
  <Dot1p>2</Dot1p>
</MeasurementAttribute>
  </PerformanceMonitoring>
  </ServiceResource>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Code>200</Code>
    <Message>Operation Successful</Message>
  </Status>
</Data>
```

Stop Collection of PM Statistics

This request is used to stop the collection of performance monitoring statistics.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/services/{service-id}/performanceMonitoring/twoway-delay/operation api/space/nsas/eline-ptp/service-management/services/{service-id}/performanceMonitoring/oneway-delay/operation api/space/nsas/eline-ptp/service-management/services/{service-id}/performanceMonitoring/loss/operation api/space/nsas/elan-vpls/service-management/services/{service-id}/performanceMonitoring/twoway-delay/operation api/space/nsas/elan-vpls/service-management/services/{service-id}/performanceMonitoring/oneway-delay/operation api/space/nsas/elan-vpls/service-management/services/{service-id}/performanceMonitoring/loss/operation |
| HTTP Method | POST |
| Content Type | application/xml |
| Consumes | application/xml |
| Produces | Stops the collection of performance monitoring statistics. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource >
    <PerformanceMonitoring>
      <Operation>stop</Operation>
    </PerformanceMonitoring>
  </ServiceResource>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Code>200</Code>
    <Message>Operation Successful</Message>
  </Status>
</Data>
```

Get PM Statistics

This request is used to retrieve the performance monitoring statistics.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/services/{service-id}/performanceMonitoring/twoway-delay/stats api/space/nsas/eline-ptp/service-management/services/{service-id}/performanceMonitoring/oneway-delay/stats api/space/nsas/eline-ptp/service-management/services/{service-id}/performanceMonitoring/loss/stats api/space/nsas/elan-vpls/service-management/services/{service-id}/performanceMonitoring/twoway-delay/stats api/space/nsas/elan-vpls/service-management/services/{service-id}/performanceMonitoring/oneway-delay/stats api/space/nsas/elan-vpls/service-management/services/{service-id}/performanceMonitoring/loss/stats |
| HTTP Method | POST |
| Content Type | application/xml |
| Consumes | application/xml |
| Produces | Retrieves the performance monitoring statistics. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <PerformanceMonitoring>
      <AEnd>
        <DeviceID>1114174</DeviceID>
      </AEnd>
      <ZEnd>
        <DeviceID>3203939</DeviceID>
      </ZEnd>
      <TwoWayDelayStatsCollection>
        <DelayStats>
          <TimeStamp>1356638570414</TimeStamp>
        </DelayStats>
        <Unit>microsecond</Unit>
        <Min>158</Min>
        <Max>201</Max>
        <Average>180</Average>
        <Variation>13</Variation>
      </DelayStats>
      <DelayStats>
        <TimeStamp>1356638582812</TimeStamp>
      </DelayStats>
      <Unit>microsecond</Unit>
      <Min>176</Min>
      <Max>215</Max>
      <Average>192</Average>
      <Variation>10</Variation>
    </DelayStats>
    <DelayStats>
      <TimeStamp>1356638595231</TimeStamp>
    </DelayStats>
    <Unit>microsecond</Unit>
    <Min>171</Min>
    <Max>221</Max>
    <Average>195</Average>
    <Variation>15</Variation>
  </DelayStats>
  <DelayStats>
    <TimeStamp>1356658454661</TimeStamp>
  </DelayStats>
  <Unit>microsecond</Unit>
  <Min>0</Min>
  <Max>0</Max>
  <Average>0</Average>
```

```
        <Variation>0</Variation>
      </DelayStats>
    </TwoWayDelayStatsCollection>
  </PerformanceMonitoring>
</ServiceResource>
<Status>
  <Code>200</Code>
  <Message>Operation Successful</Message>
</Status>
</Data>
```

Get PM Status

This request is used to retrieve the performance monitoring status.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/services/{service-id}/performanceMonitoring/twoway-delay/status api/space/nsas/eline-ptp/service-management/services/{service-id}/performanceMonitoring/oneway-delay/status api/space/nsas/eline-ptp/service-management/services/{service-id}/performanceMonitoring/loss/status api/space/nsas/elan-vpls/service-management/services/{service-id}/performanceMonitoring/twoway-delay/status api/space/nsas/elan-vpls/service-management/services/{service-id}/performanceMonitoring/oneway-delay/status api/space/nsas/elan-vpls/service-management/services/{service-id}/performanceMonitoring/loss/status |
| HTTP Method | POST |
| Content Type | application/xml |
| Consumes | application/xml |
| Produces | Retrieves the performance monitoring status details. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Code>200</Code>
    <Message>Two Way Delay On</Message>
  </Status>
</Data>
```

Get Service Path

This request is used to retrieve the service path information.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/ services/ {service-id}/servicepath?deviceA=819572&deviceZ=819961 api/space/nsas/elan-vpls/service-management/ services/ {service-id}/ servicepath?deviceA=819572&deviceZ=819961 |
| HTTP Method | GET |
| Content Type | application/xml |
| Consumes | application/xml |
| Produces | Retrieves the service path. |

Output (LDP LSP)

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
```

```

<ServicePath>
  <To>10.1.1.13</To>
  <Via>ge-1/0/1.0</Via>
  <MPLSLLabel>Push 300016, Push 300000(top)</MPLSLLabel>
  <Selected>true</Selected>
  <LSPPath>
    <LSPNode>
      <Depth>1</Depth>
      <Parent>(null)</Parent>
      <Address>10.1.1.13</Address>
      <LabelValue>300000</LabelValue>
      <Status>Success</Status>
      <Device>
        <DeviceName>wotan</DeviceName>
        <DeviceID>721023</DeviceID>
      </Device>
    </LSPNode>
    <LSPNode>
      <Depth>2</Depth>
      <Parent>10.1.1.13</Parent>
      <Address>10.1.1.9</Address>
      <LabelValue>3</LabelValue>
      <Interface>ge-1/0/1.0</Interface>
      <Status>Egress</Status>
      <Device>
        <DeviceName>acx2k</DeviceName>
        <DeviceID>721043</DeviceID>
      </Device>
    </LSPNode>
  </LSPPath>
</ServicePath>
</ServiceResource>
<Status>
<Code>200</Code>
<Message>Operation Successful</Message>
</Status>
</Data>

```

Output (RSVP LSP)

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
      <ServicePath>
        <To>10.1.1.13</To>
        <Via>ge-1/0/1.0</Via>
        <MPLSLLabel>Push 300016, Push 300000(top)</MPLSLLabel>
        <Selected>true</Selected>
        <LSPPath>
          <RSVPLSPName>penelope-acx2k</RSVPLSPName>
            <LSPNode>
              <Depth>1</Depth>
              <Parent>(null)</Parent>
              <Address>10.1.1.13</Address>
              <LabelValue>300000</LabelValue>
              <Status>Success</Status>
              <Device>
                <DeviceName>wotan</DeviceName>
                <DeviceID>721023</DeviceID>
              </Device>
            </LSPNode>
            <LSPNode>
              <Depth>2</Depth>
              <Parent>10.1.1.13</Parent>
              <Address>10.1.1.9</Address>
              <LabelValue>3</LabelValue>
              <Interface>ge-1/0/1.0</Interface>
              <Status>Egress</Status>
              <Device>
                <DeviceName>acx2k</DeviceName>
                <DeviceID>721043</DeviceID>
              </Device>
            </LSPNode>
          </LSPPath>
        </ServicePath>
      </ServiceResource>
      <Status>
        <Code>200</Code>
        <Message>Operation Successful</Message>
      </Status>
    </Data>

```

Get Services Filtered Using Fault Status for E-Line Services

This request is used to discover the roles of devices.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ntp/service-management/ services?faultStatus=Down You can also obtain a list of services with FaultStatus as Up or None by specifying faultStatus=Up(None) in the URI |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. services+xml |
| Produces | Retrieves the E-Line services for which the fault status is down. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="1">
    <Service
href="/api/space/nsas/eline-ntp/service-management/services/1048583"
uri="/api/space/nsas/eline-ntp/service-management/services/1048583"
key="1048583">
      <Common>
        <Name>PTP</Name>
        <Identity>1048583</Identity>
        <State>Deployed</State>
        <Comments>PTP</Comments>
        <CreatedDate>2012-12-14T02:01:18.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-12-14T02:01:18.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>LDP</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>Down</FaultStatus>
      </AuditFlag>
    </Service>
  </ServiceResource>
</Data>
```

```
<Reference>
  <ServiceOrder key="1048576"
href="/api/space/nsas/eline-ptp/service-management/service-orders/1048576"
uri="/api/space/nsas/eline-ptp/service-management/service-orders/1048576"/>
  <ServiceDefinition>
    <ServiceDefinitionID key="294912"
href="/api/space/nsas/eline-ptp/service-management/service-definitions/294912"

uri="/api/space/nsas/eline-ptp/service-management/service-definitions/294912"/>

  </ServiceDefinition>
  <Customer key="720896"
href="/api/space/nsas/customer-management/customers/720896"
uri="/api/space/nsas/customer-management/customers/720896"/>
  </Reference>
</Service>
</ServiceResource>
</Data>
```

Get Services Filtered Using Fault Status for IP Services

This request is used to retrieve the IP services for which the fault status is down.

| | |
|-------------|--|
| URI | api/space/nsas/l3vpn/service-management/ services?faultStatus=Down You can also obtain a list of services with FaultStatus as Up or None by specifying faultStatus=Up/None) in the URI |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml |
| Produces | Retrieves the IP services for which the fault status is down. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="1">
    <Service href="/api/space/nsas/l3vpn/service-management/services/819207"
uri="/api/space/nsas/l3vpn/service-management/services/819207" key="819207">

      <Common>
        <Name>L3vpnTest</Name>
        <Identity>819207</Identity>
        <State>Deployed</State>
        <Comments>L3vpnTest</Comments>
        <CreatedDate>2012-12-14T01:36:50.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-12-14T01:36:50.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>L3VPN</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>Down</FaultStatus>
      </AuditFlag>
      <Reference>
        <ServiceOrder key="819200"
href="/api/space/nsas/l3vpn/service-management/service-orders/819200"
uri="/api/space/nsas/l3vpn/service-management/service-orders/819200"/>
          <ServiceDefinition>
            <ServiceDefinitionID key="327680"
href="/api/space/nsas/l3vpn/service-management/service-definitions/327680"
uri="/api/space/nsas/l3vpn/service-management/service-definitions/327680"/>
              </ServiceDefinition>
              <Customer key="720896"
href="/api/space/nsas/customer-management/customers/720896"
uri="/api/space/nsas/customer-management/customers/720896"/>
                </Reference>
              </Service>
            </ServiceResource>
          </Data>

```

Get Services Filtered Using Fault Status for E-LAN Services

This request is used to retrieve the E-LAN services for which the fault status is down.

| | |
|-------------|---|
| URI | api/space/nsas/vpls/service-management/services ?faultStatus=Down You can also obtain a list of services with FaultStatus as Up or None by specifying faultStatus=Up/None) in the URI |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management-services+xml |
| Produces | Retrieves the E-LAN services for which the fault status is down. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="1">
    <Service
href="/api/space/nsas/elan-vpls/service-management/services/1081439"
uri="/api/space/nsas/elan-vpls/service-management/services/1081439"
key="1081439">
      <Common>
        <Name>ELAN_VPLS</Name>
        <Identity>1081439</Identity>
        <State>Deployed</State>
        <Comments> </Comments>
        <CreatedDate>2012-12-14T02:13:19.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-12-14T02:13:19.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>VPLS</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>Down</FaultStatus>
      </AuditFlag>
      <ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
```

```

    xsi:type="VPLSConfigParameterServiceType"/>
    <Reference>
      <ServiceOrder key="1081426"
href="/api/space/nsas/elan-vpls/service-management/service-orders/1081426"
uri="/api/space/nsas/elan-vpls/service-management/service-orders/1081426"/>
      <ServiceDefinition>
        <ServiceDefinitionID key="262225"
href="/api/space/nsas/elan-vpls/service-management/service-definitions/262225"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/262225"/>

      </ServiceDefinition>
      <Customer key="720896"
href="/api/space/nsas/customer-management/customers/720896"
uri="/api/space/nsas/customer-management/customers/720896"/>
    </Reference>
  </Service>
</ServiceResource>
</Data>

```

E-LAN Service Definitions Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director E-LAN Service Definitions Management RESTful Web Services.

Get All E-LAN BGP Service Definitions

This request is used to retrieve all the configured E-LAN BGP service definitions.

| | |
|-------------|--|
| URI | api/space/nsas/elan-vpls/service-management/service-definitions |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-definitions+xml |
| Produces | Collects all the configured E-LAN BGP service definitions. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="5">
    <ServiceDefinition

href="/api/space/nsas/elan-vpls/service-management/service-definitions/294912"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/294912"

    key="294912">
      <Common>
        <Name>ELAN-BGP-QinQ-AllVLAN</Name>
        <Identity>294912</Identity>
        <State>Published</State>
        <Comments>Used for multisite LAN connectivity with high BW
          requirements.</Comments>
        <CreatedDate>2012-09-13T13:29:41.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-09-13T13:29:41.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>VPLS(BGP)</ServiceType>
      <InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
    </ServiceDefinition>
    <ServiceDefinition

href="/api/space/nsas/elan-vpls/service-management/service-definitions/294932"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/294932"

    key="294932">
      <Common>
        <Name>ELAN-BGP-Dot1Q-SingleVLAN</Name>
        <Identity>294932</Identity>
        <State>Published</State>
        <Comments>Used to transport single VLAN between multiple sites.
          </Comments>
        <CreatedDate>2012-09-13T13:29:42.000+05:30</CreatedDate>
```

```

    <LastUpdatedDate>2012-09-13T13:29:42.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <ServiceType>VPLS(BGP)</ServiceType>
  <InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
</ServiceDefinition>
<ServiceDefinition

href="/api/space/nsas/elan-vpls/service-management/service-definitions/294952"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/294952"

key="294952">
<Common>
  <Name>ELAN-BGP-PortBased-10-100M</Name>
  <Identity>294952</Identity>
  <State>Published</State>
  <Comments>Used for multisite LAN connectivity with high BW
    requirements using dedicated ports.</Comments>
  <CreatedDate>2012-09-13T13:29:43.000+05:30</CreatedDate>
  <LastUpdatedDate>2012-09-13T13:29:43.000+05:30</LastUpdatedDate>
  <CreatedBy>super</CreatedBy>
</Common>
<ServiceType>VPLS(BGP)</ServiceType>
<InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
</ServiceDefinition>
<ServiceDefinition

href="/api/space/nsas/elan-vpls/service-management/service-definitions/294970"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/294970"

key="294970">
<Common>
  <Name>ELAN-BGP-QinQ-Range-Normalized-VLAN</Name>
  <Identity>294970</Identity>
  <State>Published</State>
  <Comments>Used for multisite LAN connectivity, with VLAN
    normalization.</Comments>
  <CreatedDate>2012-09-13T13:29:43.000+05:30</CreatedDate>

```

```

    <LastUpdatedDate>2012-09-13T13:29:43.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <ServiceType>VPLS(BGP)</ServiceType>
  <InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
</ServiceDefinition>
<ServiceDefinition

href="/api/space/nsas/elan-vpls/service-management/service-definitions/294993"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/294993"

  key="294993">
    <Common>
      <Name>ELAN-BGP-QinQ-AllVLAN-Normalized-All</Name>
      <Identity>294993</Identity>
      <State>Published</State>
      <Comments>Used for multisite LAN connectivity, with VLAN
        normalization.</Comments>
      <CreateDate>2012-09-13T13:29:43.000+05:30</CreateDate>
      <LastUpdatedDate>2012-09-13T13:29:43.000+05:30</LastUpdatedDate>
      <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>VPLS(BGP)</ServiceType>
    <InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
  </ServiceDefinition>

</ServiceResource>
</Data>

```

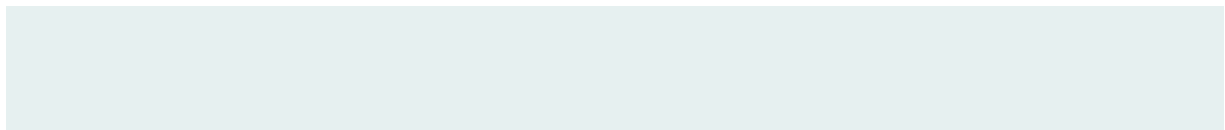
Get All Published E-LAN Service Definitions

This request is used to retrieve all the published E-LAN service definitions.

| | |
|--------------|---|
| URI | <p>All service types:</p> <p>/api/space/nsas/service-management/ service-definitions/published</p> <p>E-LAN:</p> <p>/api/space/nsas/elan-vpls/service-management/ service-definitions/published</p> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-definitions+xml;version=2 |
| Content Type | application/vnd.net.juniper.space.service-management service-definitions+xml;charset=UTF-8 |
| Produces | Collects all the published E-LAN service definitions. |

Output

Sample XML Output



Get All E-LAN BGP Service Definitions with Pagination

This request is used to retrieve all the configured E-LAN BGP service definitions with pagination.

| | |
|-------------|---|
| URI | <p>api/space/nsas/elan-vpls/service-management/service-definitions ?start=4&limit=2</p> <p>api/space/nsas/elan-vpls/service-management/service-definitions ?paging=(start eq 4, limit eq 2)</p> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-definitions+xml;version=2 |

Produces

Collects all the configured E-LAN BGP service definitions with pagination applied.

NOTE: For service orders, you can sort with “sortedby=CreateDate” and “sortedby=State”.

For Start and Limit attributes, you can provide integer values based on your requirement to sort and filter the API output. Sortorder can be “asc” and “desc”. The SortedBy attribute differs based on the APIs. For service orders, the SortedBy option can be “CreateDate”, “State”. For services, the SortedBy option can be “Name”, “LastModifiedDate”. The FilteredBy attribute differs based on the APIs. For service orders, the FilteredBy option can be “Name” and “State”. For services, the FilteredBy option can be “Name”.

If you enter “paging=(starteq 2, limit eq 3)”, which is not a single integer value, the display is according to index of records. In this case, it shows from the first indexed record to the third indexed record. If you enter “start=2&limit=3”, it starts from the second record and displays the next three records in all.

You can specify multiple key:value pairs with the FilteredBy attribute. For example, to get service orders, you can use Get ServiceOrders with Name and State as “filteredby=Name::L3VPN@@State::Invalid”. Similarly, to get service orders, you can use with Name OR state “filteredby=Name::L3VPN!! State::Invalid”.

Output

Sample XML Output

```
<Comments>
Used for multisite LAN connectivity with high BW requirements.
</Comments>
<CreateDate>2012-10-23T04:14:26.000Z</CreateDate>
<LastUpdatedDate>2012-10-23T04:14:26.000Z</LastUpdatedDate>
<CreatedBy>super</CreatedBy>
</Common>
<ServiceType>VPLS(BGP)</ServiceType>
<InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
</ServiceDefinition>
<ServiceDefinition href=

"/api/space/nsas/elan-vpls/service-management/service-definitions/2424852"
```

```

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/2424852"
  key="2424852">
<Common>
<Name>ELAN-BGP-Dot1Q-SingleVLAN</Name>
<Identity>2424852</Identity>
<State>Published</State>
<Comments>
Used to transport single VLAN between multiple sites.
</Comments>
<CreatedDate>2012-10-23T04:14:32.000Z</CreatedDate>
<LastUpdatedDate>2012-10-23T04:14:32.000Z</LastUpdatedDate>
<CreatedBy>super</CreatedBy>
</Common>
<ServiceType>VPLS(BGP)</ServiceType>
<InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
</ServiceDefinition>
<ServiceDefinition href=

"/api/space/nsas/elan-vpls/service-management/service-definitions/2424872"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/2424872"
  key="2424872">
<Common>
<Name>ELAN-BGP-PortBased-10-100M</Name>
<Identity>2424872</Identity>
<State>Published</State>
<Comments>
Used for multisite LAN connectivity with high BW requirements using dedicated
ports.
</Comments>
<CreatedDate>2012-10-23T04:14:32.000Z</CreatedDate>
<LastUpdatedDate>2012-10-23T04:14:32.000Z</LastUpdatedDate>
<CreatedBy>super</CreatedBy>
</Common>
<ServiceType>VPLS(BGP)</ServiceType>
<InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Get All E-LAN BGP Service Definitions with Pagination, Search, and Filter

This request is used to retrieve all the configured Layer 2 Ethernet LAN (E-LAN) BGP service definitions with pagination, and to filter the results based on the search criteria

| | |
|-------------|--|
| URI | api/space/nsas/elan-vpls/service-management/service-definitions ?start=4&limit=2&sortorder=asc&sortedby=Name&filteredby='Name:BGP' |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-definitions+xml;version=2 |
| Produces | Collects all the configured E-LAN BGP service definitions with pagination applied, and with a filtered result-set that matches the search criteria |

NOTE: For service orders, you can sort with “sortedby=CreateDate” and “sortedby=State”.

For Start and Limit attributes, you can provide integer values based on your requirement to sort and filter the API output. Sortorder can be “asc” and “desc”. The SortedBy attribute differs based on the APIs. For service orders, the SortedBy option can be “CreateDate”, “State”. For services, the SortedBy option can be “Name”, “LastModifiedDate”. The FilteredBy attribute differs based on the APIs. For service orders, the FilteredBy option can be “Name” and “State”. For services, the FilteredBy option can be “Name”.

If you enter “paging=(starteq 2, limiteq 3)”, which is not a single integer value, the display is according to index of records. In this case, it shows from the first indexed record to the third indexed record. If you enter “start=2&limit=3”, it starts from the second record and displays the next three records in all.

You can specify multiple key:value pairs with the FilteredBy attribute. For example, to get service orders, you can use Get ServiceOrders with Name and State as “filteredby=Name::L3VPN@@State::Invalid”. Similarly, to get service orders, you can use with Name OR state “filteredby=Name::L3VPN!! State::Invalid”.

Output

Sample XML Output

```

    <Comments>
Used for multisite LAN connectivity with high BW requirements.
</Comments>
<CreatedDate>2012-10-23T04:14:26.000Z</CreatedDate>
<LastUpdatedDate>2012-10-23T04:14:26.000Z</LastUpdatedDate>
<CreatedBy>super</CreatedBy>
</Common>
<ServiceType>VPLS(BGP)</ServiceType>
<InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
</ServiceDefinition>
<ServiceDefinition href=

"/api/space/nsas/elan-vpls/service-management/service-definitions/2424852"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/2424852"
  key="2424852">
<Common>
<Name>ELAN-BGP-Dot1Q-SingleVLAN</Name>
<Identity>2424852</Identity>
<State>Published</State>
<Comments>
Used to transport single VLAN between multiple sites.
</Comments>
<CreatedDate>2012-10-23T04:14:32.000Z</CreatedDate>
<LastUpdatedDate>2012-10-23T04:14:32.000Z</LastUpdatedDate>
<CreatedBy>super</CreatedBy>
</Common>
<ServiceType>VPLS(BGP)</ServiceType>
<InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
</ServiceDefinition>
<ServiceDefinition href=

"/api/space/nsas/elan-vpls/service-management/service-definitions/2424872"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/2424872"
  key="2424872">
<Common>
<Name>ELAN-BGP-PortBased-10-100M</Name>
<Identity>2424872</Identity>
<State>Published</State>
<Comments>
Used for multisite LAN connectivity with high BW requirements using dedicated

```

```
ports.
</Comments>
<CreateDate>2012-10-23T04:14:32.000Z</CreateDate>
<LastUpdatedDate>2012-10-23T04:14:32.000Z</LastUpdatedDate>
<CreatedBy>super</CreatedBy>
</Common>
<ServiceType>VPLS(BGP)</ServiceType>
<InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
</ServiceDefinition>
</ServiceResource>
</Data>
```

Get All E-LAN Service Definitions by Filter Criterion

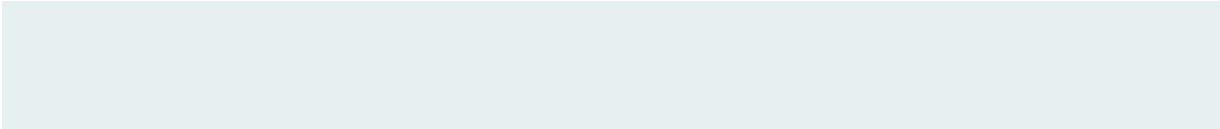
This request is used to retrieve all the configured E-LAN service definitions that match the specified filter criterion. You can filter and retrieve service definitions based on the name, service type, signaling type, and state.

| | |
|-------------|---|
| URI | <div>/api/space/nsas/elan-vpls/service-management/service-definitions?filteredby=State::Published</div> <div>/api/space/nsas/elan-vpls/service-management/service-definitions?filteredby=Name::CreateVPLSSD01</div> <div>/api/space/nsas/elan-vpls/service-management/service-definitions?filteredby=ServiceType::VPLS (Point-MultiPoint)</div> <div>/api/space/nsas/elan-vpls/service-management/service-definitions?filteredby=Signaling::BGP</div> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-definitions+xml;version=2 |
| Produces | Collects all the configured E-LAN service definitions that match the filter criteria |

NOTE: For E-Line, IP, and E-LAN service definitions, the FilteredBy option can be Name, ServiceType, Signaling, and State.

Output

Sample XML Output



Get E-LAN BGP Service Definition Details By Definition ID

This request is used to retrieve the details of a particular Layer 2 Ethernet LAN BGP service definition, based on the service definition ID.

| | |
|-------------|--|
| URI | api/space/nsas/elan-vpls/service-management/service-definitions/<servicedefinition-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition+xml;version=2 |
| Produces | Collects the details of a specific E-LAN BGP service definition. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition

href="/api/space/nsas/elan-vpls/service-management/service-definitions/1998848"
```

```
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/1998848"
```

```
key="1998848">
<Common>
  <Name>TESTELANVPLS</Name>
  <Identity>1998848</Identity>
  <State>Unpublished</State>
  <CreatedDate>2012-09-20T14:14:20.000+05:30</CreatedDate>
  <LastUpdatedDate>2012-09-20T14:14:20.000+05:30</LastUpdatedDate>
  <CreatedBy>super</CreatedBy>
</Common>
<ServiceType>VPLS(LDP)</ServiceType>
<InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
<ServiceElementConfigurationDefinition
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSServiceEndpointGroupParameterDefType">
  <AutoDiscovery>>false</AutoDiscovery>
  <VPLSId>Auto pick</VPLSId>
  <MACLearning editable="false">Enabled</MACLearning>
  <MACInterfaceLimit editable="false">1024</MACInterfaceLimit>
  <MACStatistics editable="false">Not enabled</MACStatistics>
  <MACTableSize editable="false">5120</MACTableSize>
  <VlanNormalization>Normalize to Dot1q</VlanNormalization>
  <AllowMH>Not enabled</AllowMH>
</ServiceElementConfigurationDefinition>
<ServiceEndPointConfigurationDefinition
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSEndPointParameterDefType">
  <EthernetOption>dot1q</EthernetOption>
  <VlanIdSelection selection="Select manually"
    editable="false" />
  <TrafficType>Transport single vlan</TrafficType>
  <VlanIdAuto default="0" min="0" max="0" />
  <VlanIdManual default="0" min="0" max="0" />
  <PhysicalEncapsulation>flexible-ethernet-services
</PhysicalEncapsulation>
  <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
  <MTU default="1522" editable="false" min="1522" max="9192" />
  <EnableRateLimiting>Enabled</EnableRateLimiting>
  <DefaultBandwidth default="1" editable="true" min="1"
    max="100" unit="Mbps">1</DefaultBandwidth>
  <MinBandwidth min="64" max="100000" unit="Kbps">64
```

```
</MinBandwidth>
<MaxBandwidth min="1" max="100000" unit="Mbps">1
</MaxBandwidth>
<Increment default="64" min="64" max="100000" unit="Kbps">64
</Increment>
<OuterTagProtocolId editable="false">0x88a8
</OuterTagProtocolId>
<InnerTagProtocolId editable="false" />
</ServiceEndPointConfigurationDefinition>
<AdvancedSettings>
  <DisableTunnelService>true</DisableTunnelService>
  <DisableLocalSwitch>true</DisableLocalSwitch>
  <FastReroutePriority>low</FastReroutePriority>
  <LabelBlockSize>8</LabelBlockSize>
  <ConnetivityType>irb</ConnetivityType>
</AdvancedSettings>
</ServiceDefinition>
</ServiceResource>
</Data>
```

Get E-LAN LDP Service Definition Details By Definition ID

This request is used to retrieve the details of a particular Layer 2 Ethernet LAN LDP service definition, based on the service definition ID.

| | |
|-------------|--|
| URI | api/space/nsas/elan-vpls/service-management/service-definitions/ <servicedefinition-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition+xml;version=2 |
| Produces | Collects the details of a specific E-LAN LDP service definition. |

Output

Sample XML Output

```

    <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
    <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
    <ServiceDefinition
href="/api/space/nsas/elan-vpls/service-management/service-definitions/1376256"
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/1376256"
key="1376256">
    <Common>
    <Name>VPLSLDP</Name>
    <Identity>1376256</Identity>
    <State>Published</State>
    <CreatedDate>2012-12-14T18:06:06.000+05:30</CreatedDate>
    <LastUpdatedDate>2012-12-14T18:06:06.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>VPLS(LDP)</ServiceType>
    <InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
    <EnableL3Access>true</EnableL3Access>
    <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSServiceEndpointGroupParameterDefType">
    <AutoDiscovery>>false</AutoDiscovery>
    <VPLSId>Auto pick</VPLSId>
    <MACLearning editable="false">Enabled</MACLearning>
    <MACInterfaceLimit editable="false">1024</MACInterfaceLimit>
    <MACStatistics editable="false">Not enabled</MACStatistics>
    <MACTableSize editable="false">5120</MACTableSize>
    <VlanNormalization>Normalize to QinQ</VlanNormalization>
    </ServiceElementConfigurationDefinition>
    <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSEndPointParameterDefType">
    <EthernetOption>qinq</EthernetOption>
    <VlanIdSelection selection="Select manually" editable="false"/>
    <TrafficType>Transport single vlan</TrafficType>
    <VlanIdAuto default="0" min="0" max="0"/>
    <VlanIdManual default="0" min="0" max="0"/>
    <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>

    <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
    <MTU default="1522" editable="false" min="1522" max="9192"/>
    <EnableRateLimiting>Not enabled</EnableRateLimiting>

```

```
<DefaultBandwidth default="1" editable="false" min="1" max="100"
unit="Mbps">N/A</DefaultBandwidth>
<MinBandwidth min="64" max="100000" unit="Kbps">0</MinBandwidth>
<MaxBandwidth min="1" max="100000" unit="Mbps">0</MaxBandwidth>
<Increment default="64" min="64" max="100000" unit="Kbps">0</Increment>
<OuterTagProtocolId editable="false"/>
<InnerTagProtocolId editable="false"/>
</ServiceEndPointConfigurationDefinition>
<AdvancedSettings/>
</ServiceDefinition>
</ServiceResource>
</Data>
```

Get E-LAN BGP Service Definition Details with Burst Size Calculation By Definition ID

This request is used to retrieve the details of a particular Layer 2 Ethernet LAN BGP service definition with burst size calculation, based on the service definition ID.

| | |
|-------------|---|
| URI | api/space/nsas/elan-vpls/service-management/service-definitions/ <servicedefinition-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition+xml;version=2 |
| Produces | Collects the details of a specific E-LAN BGP service definition with burst size calculation. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource>
<ServiceDefinition key="360448"
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/360448"
```

```

href="/api/space/nsas/elan-vpls/service-management/service-definitions/360448">
<Common>
<Name>ELAN-BGP-QinQ-AllVLAN</Name>
<Identity>360448</Identity>
<State>Published</State>
<Comments>Used for multisite LAN connectivity with high BW
requirements.</Comments>
<CreatedDate>2014-07-16T20:11:42.000+05:30</CreatedDate>
<LastUpdatedDate>2014-07-16T20:11:42.000+05:30</LastUpdatedDate>
<CreatedBy>super</CreatedBy>
</Common>
<ServiceType>VPLS(BGP)</ServiceType>
<InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
<EnableL3Access>>false</EnableL3Access>
<ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSServiceEndpointGroupParameterDefType">
<RouteTarget editable="true" selection="Auto Pick"/>
<RouteDistinguisher selection="Auto pick"/>
<MACLearning editable="true">Enabled</MACLearning>
<MACInterfaceLimit editable="true">1024</MACInterfaceLimit>
<MACStatistics editable="true">Not enabled</MACStatistics>
<MACTableSize editable="true">5120</MACTableSize>
<VlanNormalization>Not Normalized</VlanNormalization>
<AllowMH>Not enabled</AllowMH>
</ServiceElementConfigurationDefinition>
<ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSEndPointParameterDefType">
<EthernetOption>qinq</EthernetOption>
<VlanIdSelection editable="true" selection="Auto pick"/>
<TrafficType>Transport all traffic</TrafficType>
<VlanIdAuto max="4094" min="1" default="1"/>
<VlanIdManual max="0" min="0" default="0"/>
<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
<LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
<MTU max="9192" min="1522" editable="true" default="1522"/>
<EnableRateLimiting>Enabled</EnableRateLimiting>
<DefaultBandwidth unit="Mbps" max="100" min="1" editable="true"
default="1">10</DefaultBandwidth>
<MinBandwidth unit="Kbps" max="100000" min="64">10000</MinBandwidth>

```

```
<MaxBandwidth unit="Mbps" max="100000" min="1">100</MaxBandwidth>
<Increment unit="Kbps" max="100000" min="64" default="64">10000</Increment>
<CalculateBurstSizeType>MTU Based</CalculateBurstSizeType>
<MTUFactor editable="true">10</MTUFactor>
</ServiceEndPointConfigurationDefinition>
<AdvancedSettings/>
</ServiceDefinition>
</ServiceResource>
</Data>
```

Get E-LAN LDP Service Definition Details with Burst Size Calculation By Definition ID

This request is used to retrieve the details of a particular Layer 2 Ethernet LAN LDP service definition with burst size calculation, based on the service definition ID.

| | |
|-------------|--|
| URI | api/space/nsas/elan-vpls/service-management/service-definitions/<servicedefinition-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition+xml;version=2 |
| Produces | Collects the details of a specific E-LAN LDP service definition with burst size calculation. |

Output (CalculateBurstSize MTU Based):

Sample XML Output

```
<? Xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
      <ServiceDefinition key="1900663"
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/1900663"

href="/api/space/nsas/elan-vpls/service-management/service-definitions/1900663">
```

```

<Common>
<Name>VPLS_QinQ_MTU_Based</Name>
<Identity>1900663</Identity>
<State>Unpublished</State>
<Comments>werewr</Comments>
<CreatedDate>2014-06-23T17:49:12.000+05:30</CreatedDate>
<LastUpdatedDate>2014-06-23T17:49:12.000+05:30</LastUpdatedDate>
<CreatedBy>super</CreatedBy>
</Common>
<ServiceType>VPLS(LDP)</ServiceType>
<InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
<EnableL3Access>false</EnableL3Access>
<ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSServiceEndpointGroupParameterDefType">
  <RouteTarget editable="false" selection="Auto Pick"/>
  <RouteDistinguisher selection="Auto pick"/>
  <AutoDiscovery>true</AutoDiscovery>
  <MACLearning editable="false">Enabled</MACLearning>
  <MACInterfaceLimit editable="false">1024</MACInterfaceLimit>
  <MACStatistics editable="false">Not enabled</MACStatistics>
  <MACTableSize editable="false">5120</MACTableSize>
  <VlanNormalization>Normalize All</VlanNormalization>
  <AllowMH>Not enabled</AllowMH>
  <VPNId selection="Auto pick"/>
</ServiceElementConfigurationDefinition>
<ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSEndPointParameterDefType">
  <EthernetOption>qinq</EthernetOption>
  <VlanIdSelection editable="false" selection="Auto pick"/>
  <TrafficType>Transport single vlan</TrafficType>
  <VlanIdAuto max="0" min="0" default="0"/>
  <VlanIdManual max="0" min="0" default="0"/>
  <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>

  <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
  <MTU max="9192" min="1522" editable="true" default="1522"/>
  <CalculateBurstSizeType>MTU Based</CalculateBurstSizeType>
  <MTUFactor editable="true">10</MTUFactor>
  <EnableRateLimiting>Enabled</EnableRateLimiting>

```

```

    <DefaultBandwidth unit="Mbps" max="100" min="1" editable="true"
default="1">10</DefaultBandwidth>
    <MinBandwidth unit="Kbps" max="100000" min="64">1000</MinBandwidth>
    <MaxBandwidth unit="Mbps" max="100000" min="1">100</MaxBandwidth>
    <Increment unit="Kbps" max="100000" min="64" default="64">1000</Increment>

    <OuterTagProtocolId editable="false">0x88a8</OuterTagProtocolId>
    <InnerTagProtocolId editable="false">0x9100</InnerTagProtocolId>
  </ServiceEndPointConfigurationDefinition>
  <AdvancedSettings/>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Output (CalculateBurstSize Line-Rate Based):

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
      <ServiceDefinition key="1900663"
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/1900663"

href="/api/space/nsas/elan-vpls/service-management/service-definitions/1900663">

        <Common>
          <Name>VPLS_QinQ_MTU_Based</Name>
          <Identity>1900663</Identity>
          <State>Unpublished</State>
          <Comments>werewr</Comments>
          <CreatedDate>2014-06-23T17:49:12.000+05:30</CreatedDate>
          <LastUpdatedDate>2014-06-23T17:49:12.000+05:30</LastUpdatedDate>
          <CreatedBy>super</CreatedBy>
        </Common>
        <ServiceType>VPLS(LDP)</ServiceType>
        <InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
      </ServiceDefinition>
    </ServiceResource>
  </Data>

```

```

    <EnableL3Access>false</EnableL3Access>
    <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSServiceEndpointGroupParameterDefType">
    <RouteTarget editable="false" selection="Auto Pick"/>
    <RouteDistinguisher selection="Auto pick"/>
    <AutoDiscovery>true</AutoDiscovery>
    <MACLearning editable="false">Enabled</MACLearning>
    <MACInterfaceLimit editable="false">1024</MACInterfaceLimit>
    <MACStatistics editable="false">Not enabled</MACStatistics>
    <MACTableSize editable="false">5120</MACTableSize>
    <VlanNormalization>Normalize All</VlanNormalization>
    <AllowMH>Not enabled</AllowMH>
    <VPNId selection="Auto pick"/>
    </ServiceElementConfigurationDefinition>
    <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSEndPointParameterDefType">
    <EthernetOption>qinq</EthernetOption>
    <VlanIdSelection editable="false" selection="Auto pick"/>
    <TrafficType>Transport single vlan</TrafficType>
    <VlanIdAuto max="0" min="0" default="0"/>
    <VlanIdManual max="0" min="0" default="0"/>
    <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>

    <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
    <MTU max="9192" min="1522" editable="true" default="1522"/>
    <CalculateBurstSizeType>Line Rate Based</CalculateBurstSizeType>
    <BurstPeriod editable="true">10</BurstPeriod>
    <EnableRateLimiting>Enabled</EnableRateLimiting>
    <DefaultBandwidth unit="Mbps" max="100" min="1" editable="true"
default="1">10</DefaultBandwidth>
    <MinBandwidth unit="Kbps" max="100000" min="64">1000</MinBandwidth>
    <MaxBandwidth unit="Mbps" max="100000" min="1">100</MaxBandwidth>
    <Increment unit="Kbps" max="100000" min="64" default="64">1000</Increment>

    <OuterTagProtocolId editable="false">0x88a8</OuterTagProtocolId>
    <InnerTagProtocolId editable="false">0x9100</InnerTagProtocolId>
    </ServiceEndPointConfigurationDefinition>
    <AdvancedSettings/>
    </ServiceDefinition>
    </ServiceResource>

```

</Data>

Get E-LAN LDP Point-to-Multipoint Service Definition Details with Pseudowire Stitching By Definition ID

This request is used to retrieve the details of a particular Layer 2 Ethernet LAN LDP point-to-multipoint service definition with pseudowire stitching, based on the service definition ID.

| | |
|-------------|--|
| URI | api/space/nsas/elan-vpls/service-management/service-definitions/<servicedefinition-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition+xml;version=2 |
| Produces | Collects the details of a specific E-LAN LDP point-to-multipoint service definition with pseudowire stitching. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition

href="/api/space/nsas/elan-vpls/service-management/service-definitions/950272"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/950272"

key="950272">
```

```

<Common>
  <Name>vpls_ldp_p2m_p2pStitchSd</Name>
  <Identity>950272</Identity>
  <State>Published</State>
  <CreatedDate>2013-02-12T14:38:49.000+05:30</CreatedDate>
  <LastUpdatedDate>2013-02-12T14:38:49.000+05:30</LastUpdatedDate>
  <CreatedBy>super</CreatedBy>
</Common>
<ServiceType>VPLS(LDP)</ServiceType>
<InterfaceType>VPLS (Point-MultiPoint)</InterfaceType>
<EnableL3Access>false</EnableL3Access>
<PWExtension>Enabled</PWExtension>
<PWResiliency>Not Enabled</PWResiliency>
<ServiceElementConfigurationDefinition
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSServiceEndpointGroupParameterDefType">
  <AutoDiscovery>false</AutoDiscovery>
  <VPLSId>Auto pick</VPLSId>
  <MACLearning editable="true">Enabled</MACLearning>
  <MACInterfaceLimit editable="true">1024
</MACInterfaceLimit>
  <MACStatistics editable="true">Not enabled</MACStatistics>
  <MACTableSize editable="true">5120</MACTableSize>
  <VlanNormalization>Normalize to QinQ</VlanNormalization>
  <AllowMH>Not enabled</AllowMH>
</ServiceElementConfigurationDefinition>
<ServiceEndPointConfigurationDefinition
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSEndPointParameterDefType">
  <EthernetOption>qinq</EthernetOption>
  <VlanIdSelection selection="Auto pick" editable="true" />
  <TrafficType>Transport single vlan</TrafficType>
  <VlanIdAuto default="0" min="0" max="0" />
  <VlanIdManual default="0" min="0" max="0" />
  <PhysicalEncapsulation>flexible-ethernet-services
</PhysicalEncapsulation>
  <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
  <LDPPwExtensionSettings>
    <PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
    <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
  </LDPPwExtensionSettings>
  <MTU default="1522" editable="true" min="1522" max="9192" />

```

```
<EnableRateLimiting>Enabled</EnableRateLimiting>
<DefaultBandwidth default="1" editable="true" min="1"
  max="100" unit="Mbps">10</DefaultBandwidth>
<MinBandwidth min="64" max="100000" unit="Kbps">1000
</MinBandwidth>
<MaxBandwidth min="1" max="100000" unit="Mbps">100
</MaxBandwidth>
<Increment default="64" min="64" max="100000" unit="Kbps">1000
</Increment>
</ServiceEndPointConfigurationDefinition>
<AdvancedSettings />
</ServiceDefinition>
</ServiceResource>
</Data>
```

Get E-LAN BGP Point-to-Multipoint Service Definition Details with Pseudowire Stitching By Definition ID

This request is used to retrieve the details of a particular Layer 2 Ethernet LAN BGP service definition with pseudowire stitching, based on the service definition ID.

| | |
|-------------|---|
| URI | api/space/nsas/elan-vpls/service-management/service-definitions/ <servicedefinition-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition+xml;version=2 |
| Produces | Collects the details of a specific E-LAN BGP service definition with pseudowire stitching. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition

href="/api/space/nsas/elan-vpls/service-management/service-definitions/1442020"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/1442020"

    key="1442020">
      <Common>
        <Name>vpls_p2m_bgp_sd</Name>
        <Identity>1442020</Identity>
        <State>Published</State>
        <CreatedDate>2013-02-19T11:50:41.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-02-19T11:50:41.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>VPLS(BGP)</ServiceType>
      <InterfaceType>VPLS (Point-MultiPoint)</InterfaceType>
      <EnableL3Access>false</EnableL3Access>
      <PWExtension>Enabled</PWExtension>
      <PWResiliency>Not Enabled</PWResiliency>
      <ServiceElementConfigurationDefinition
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSServiceEndpointGroupParameterDefType">
        <VCID>Select manually</VCID>
        <RouteTarget selection="Auto Pick" editable="false" />
        <RouteDistinguisher selection="Auto pick" />
        <MACLearning editable="true">Enabled</MACLearning>
        <MACInterfaceLimit editable="true">1024
        </MACInterfaceLimit>
        <MACStatistics editable="true">Not enabled</MACStatistics>
        <MACTableSize editable="true">5120</MACTableSize>
        <VlanNormalization>Normalize to QinQ</VlanNormalization>
        <AllowMH>Not enabled</AllowMH>
      </ServiceElementConfigurationDefinition>
      <ServiceEndPointConfigurationDefinition
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSEndPointParameterDefType">
        <EthernetOption>qinq</EthernetOption>

```

```
<VlanIdSelection selection="Select manually"
  editable="true" />
<TrafficType>Transport single vlan</TrafficType>
<VlanIdAuto default="0" min="0" max="0" />
<VlanIdManual default="0" min="0" max="0" />
<PhysicalEncapsulation>flexible-ethernet-services
</PhysicalEncapsulation>
<LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
<LDPPwExtensionSettings>
  <PhysicalEncapsulation>extended-vlan-ccc</PhysicalEncapsulation>
  <LogicalEncapsulation>extended-vlan-ccc</LogicalEncapsulation>
</LDPPwExtensionSettings>
<MTU default="1522" editable="true" min="1522" max="9192" />
<EnableRateLimiting>Enabled</EnableRateLimiting>
<DefaultBandwidth default="1" editable="true" min="1"
  max="100" unit="Mbps">10</DefaultBandwidth>
<MinBandwidth min="64" max="100000" unit="Kbps">1000
</MinBandwidth>
<MaxBandwidth min="1" max="100000" unit="Mbps">100
</MaxBandwidth>
<Increment default="64" min="64" max="100000" unit="Kbps">1000
</Increment>
</ServiceEndPointConfigurationDefinition>
<AdvancedSettings />
</ServiceDefinition>
</ServiceResource>
</Data>
```

Get E-LAN Service Definition Details with Manual Route Target By Definition ID

This request is used to retrieve the details of a particular Layer 2 Ethernet LAN service definition with manual route target, based on the service definition ID.

| | |
|-------------|--|
| URI | api/space/nsas/elan-vpls/service-management/service-definitions/ <servicedefinition-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition+xml;version=2 |

Produces

Collects the details of a specific E-LAN service definition with manual route target..

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition

href="/api/space/nsas/elan-vpls/service-management/service-definitions/1540096"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/1540096"

    key="1540096">
      <Common>
        <Name>ManualRT</Name>
        <Identity>1540096</Identity>
        <State>Published</State>
        <CreatedDate>2013-02-25T17:34:06.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-02-25T17:34:06.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>VPLS(BGP)</ServiceType>
      <InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
      <EnableL3Access>>false</EnableL3Access>
      <ServiceElementConfigurationDefinition
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSServiceEndpointGroupParameterDefType">
        <RouteTarget selection="Select manually" editable="true" />
        <RouteDistinguisher selection="Auto pick" />
        <MACLearning editable="false">Enabled</MACLearning>
        <MACInterfaceLimit editable="false">1024</MACInterfaceLimit>
        <MACStatistics editable="false">Not enabled</MACStatistics>
        <MACTableSize editable="false">5120</MACTableSize>
        <VlanNormalization>Normalize to Dot1q</VlanNormalization>
        <AllowMH>Not enabled</AllowMH>
      </ServiceElementConfigurationDefinition>
    <ServiceEndPointConfigurationDefinition
```

```

    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="VPLSEndPointParameterDefType">
      <EthernetOption>dot1q</EthernetOption>
      <VlanIdSelection selection="Auto pick" editable="false" />
      <TrafficType>Transport single vlan</TrafficType>
      <VlanIdAuto default="0" min="0" max="0" />
      <VlanIdManual default="0" min="0" max="0" />
      <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>

      <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
      <MTU default="1522" editable="false" min="1522" max="9192" />
      <EnableRateLimiting>Not enabled</EnableRateLimiting>
      <DefaultBandwidth default="1" editable="false" min="1"
        max="100" unit="Mbps">N/A</DefaultBandwidth>
      <MinBandwidth min="64" max="100000" unit="Kbps">0</MinBandwidth>
      <MaxBandwidth min="1" max="100000" unit="Mbps">0</MaxBandwidth>
      <Increment default="64" min="64" max="100000" unit="Kbps">0</Increment>
    </ServiceEndPointConfigurationDefinition>
    <AdvancedSettings />
  </ServiceDefinition>
</ServiceResource>
</Data>

```

Create an E-LAN BGP Service Definition (without various instance types and multihoming support)

This request is used to create an E-LAN BGP service definition.

| | |
|--------------|--|
| URI | api/space/nsas/elan-vpls/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-definition+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition-status+xml |
| Produces | Creates an E-LAN BGP service definition. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>VPLS-Service-Def-Testing-1</Name>
      </Common>
      <InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
      <ServiceType>VPLS(BGP)</ServiceType>
      <ServiceTemplates>
        <ServiceTemplate>
          <Name>Test_Template</Name>
          <ID>819232</ID>
        </ServiceTemplate>
      </ServiceTemplates>
      <QosEnabled>>false</QosEnabled>
      <EnableL3Access>>false</EnableL3Access>
      <ServiceElementConfigurationDefinition
        xsi:type="VPLSServiceEndpointGroupParameterDefType">
        <RouteTarget selection="Auto Pick" editable="true">Auto pick</RouteTarget>

        <RouteDistinguisher>Auto pick</RouteDistinguisher>
        <VlanNormalization>Normalization not required</VlanNormalization>
        <AllowMH>Not Enabled</AllowMH>
        <MACLearning editable="true">Enabled</MACLearning>
        <MACInterfaceLimit editable="true">1024</MACInterfaceLimit>
        <MACStatistics editable="true">Not Enabled</MACStatistics>
        <MACTableSize editable="true">5120</MACTableSize>
      </ServiceElementConfigurationDefinition>
      <ServiceEndPointConfigurationDefinition
        xsi:type="VPLSEndPointParameterDefType">
        <EthernetOption>qinq</EthernetOption>
        <TrafficType>Transport all traffic</TrafficType>
        <VlanIdSelection selection="Auto pick" editable="true" >Auto
pick</VlanIdSelection>
        <VlanIdAuto default="1" min="1" max="4094" />
        <VlanIdManual default="0" min="0" max="0" />
        <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
      </ServiceEndPointConfigurationDefinition>
    </ServiceDefinition>
  </ServiceResource>
</Data>
```

```

    <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
    <MTU default="1522" editable="true" min="1522" max="9192">1522</MTU>
    <EnableRateLimiting>Enabled</EnableRateLimiting>
    <DefaultBandwidth default="1" editable="true" min="1"
      max="100" unit="Mbps">10</DefaultBandwidth>
    <MinBandwidth min="64" max="100000" unit="Kbps">10000</MinBandwidth>
    <MaxBandwidth min="1" max="100000" unit="Mbps">1</MaxBandwidth>
    <Increment default="64" min="64" max="100000" unit="Kbps">10000</Increment>

  </ServiceEndPointConfigurationDefinition>
  <AdvancedSettings>
    <DisableTunnelService editable="true">true</DisableTunnelService>
    <DisableLocalSwitch editable="true">true</DisableLocalSwitch>
    <FastReroutePriority editable="false">medium</FastReroutePriority>
    <LabelBlockSize editable="true">2</LabelBlockSize>
    <ConnetivityType editable="false">ce</ConnetivityType>
  </AdvancedSettings>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<Data>
  <Status>
    <Identity>
      <Type>Service Definition</Type>
      <Value>361108</Value>
    </Identity>
    <Code>200</Code>
    <Message>
      ServiceDefinition Created Successfully
    </Message>
  </Status>
</Data>

```

Create an E-LAN BGP Service Definition (with various instance types and multihoming support)

This request is used to create an E-LAN BGP service definition.

| | |
|--------------|--|
| URI | api/space/nsas/csd/service-definition |
| HTTP Method | POST |
| Content-Type | application/xml |
| Consumes | application/xml |
| Produces | Creates an E-LAN BGP service definition. |

Input

Sample XML Input

```
<Data
  xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>test</Name>
        <Comments></Comments>
      </Common>
      <ServiceType>VPLS(BGP)</ServiceType>
      <InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
      <InstanceType>evpn</InstanceType>
      <Protocol>evpn-etree</Protocol>
      <UseCount>0</UseCount>
      <EnableL3Access>>false</EnableL3Access>
      <StaticpseudoWire>undefined</StaticpseudoWire>
      <QosEnabled></QosEnabled>
      <EnableMultihoming>true</EnableMultihoming>
    </ServiceDefinition>
  </ServiceResource>
</Data>
```

```

    <MultihomingMode>single-active</MultihomingMode>
    <ServiceElementConfigurationDefinition
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSServiceEndpointGroupParameterDefType">
      <RouteTarget selection="Auto Pick" editable="false"/>
      <RouteDistinguisher selection="Auto pick" editable="false"/>
      <VlanNormalization>Normalization not required</VlanNormalization>
      <MACLearning editable="true">Enabled</MACLearning>
      <MACStatistics editable="true">Enabled</MACStatistics>
      <MACTableSize editable="true">5120</MACTableSize>
      <MACInterfaceLimit editable="true">1024</MACInterfaceLimit>
    </ServiceElementConfigurationDefinition>
    <ServiceEndPointConfigurationDefinition
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSEndPointParameterDefType">
      <EthernetOption editable="undefined">asymmetric tag depth</EthernetOption>

      <VlanIdSelection selection="Select manually" editable="false"/>
      <VlanIdManual max="4094" min="1" default="1" />
      <TrafficType>Transport vlan list</TrafficType>
      <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>

      <LogicalEncapsulation>vlan-bridge</LogicalEncapsulation>
      <OuterTagProtocolId editable="true">0x88a8</OuterTagProtocolId>
      <MTU max="9192" min="1522" editable="true" default="1522"/>
      <EnableRateLimiting>Enabled</EnableRateLimiting>
      <DefaultBandwidth unit="Mbps" max="100" min="1" editable="true" default
="1">10</DefaultBandwidth>
      <MinBandwidth unit="Kbps" max="100000" min="64">1</MinBandwidth>
      <MaxBandwidth unit="Mbps" max="100000" min="1">10000</MaxBandwidth>
      <Increment unit="Kbps" max="100000" min="64" default="64">1000</Increment>

      <CalculateBurstSizeType>MTU Based</CalculateBurstSizeType>
      <MTUFactor editable="true">10</MTUFactor>
    </ServiceEndPointConfigurationDefinition>
    <AdvancedSettings
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSAdvanceEndPointConfigParameterDefType">
      <AdvancedSettings>
    </ServiceDefinition>
  </ServiceResource>
</Data>

```

Create an E-LAN Service Definition

This request is used to create an E-LAN service definition.

| | |
|--------------|--|
| URI | api/space/nsas/elan-vpls/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-definition+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition-status+xml |
| Produces | Creates an E-LAN service definition. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>ELAN-BGP-QinQ-AllVLAN_Sample</Name>
        <Comments>Used for multisite LAN connectivity with high BW
        requirements.</Comments>
      </Common>
      <ServiceType>VPLS(BGP)</ServiceType>
      <InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
      <EnableL3Access>>false</EnableL3Access>
      <ServiceElementConfigurationDefinition
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="VPLSServiceEndpointGroupParameterDefType">
        <RouteTarget editable="true" selection="Auto Pick"/>
        <RouteDistinguisher selection="Auto pick"/>
        <MACLearning editable="true">Enabled</MACLearning>
        <MACInterfaceLimit editable="true">1024</MACInterfaceLimit>
        <MACStatistics editable="true">Not enabled</MACStatistics>
        <MACTableSize editable="true">5120</MACTableSize>
        <VlanNormalization>Normalization not required</VlanNormalization>
      </ServiceElementConfigurationDefinition>
    </ServiceDefinition>
  </ServiceResource>
</Data>
```

```

<AllowMH>Not enabled</AllowMH>
</ServiceElementConfigurationDefinition>
<ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSEndPointParameterDefType">
<EthernetOption>qinq</EthernetOption>
<VlanIdSelection editable="true" selection="Auto pick"/>
<TrafficType>Transport all traffic</TrafficType>
<VlanIdAuto max="4094" min="1" default="1"/>
<VlanIdManual max="0" min="0" default="0"/>
<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
<LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
<MTU max="9192" min="1522" editable="true" default="1522"/>
<EnableRateLimiting>Enabled</EnableRateLimiting>
<DefaultBandwidth unit="Mbps" max="100" min="1" editable="true"
default="1">10</DefaultBandwidth>
<MinBandwidth unit="Kbps" max="100000" min="64">10000</MinBandwidth>
<MaxBandwidth unit="Mbps" max="100000" min="1">100</MaxBandwidth>
<Increment unit="Kbps" max="100000" min="64" default="64">10000</Increment>
<CalculateBurstSizeType>MTU Based</CalculateBurstSizeType>
<MTUFactor editable="true">10</MTUFactor>
</ServiceEndPointConfigurationDefinition>
<AdvancedSettings/>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<Status>
<Identity>
<Type>Service Definition</Type>
<Value>1900664</Value>
</Identity>
<Code>200</Code>

```

```
<Message>ServiceDefinition Created Successfully</Message>
</Status>
</Data>
```

Create an E-LAN Service Definition for vpls Instance and vpls Protocol Types

This request is used to create an E-LAN service definition with vpls as the instance and protocol type.

| | |
|---------------|---|
| URL | /api/space/nsas/csd/service-definition |
| Sample URL | https://192.0.2.10:8080/api/space/nsas/csd/service-definition |
| HTTP Method | POST |
| Accept Header | application/xml |
| Content Type | application/xml; |

Request

```
""<Data xmlns=""services.schema.networkapi.jmp.juniper.net"">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>Multihoming</Name>
        <Comments></Comments>
      </Common>
      <ServiceType>VPLS(BGP)</ServiceType>
      <InstanceType>VPLS</InstanceType>
    <Protocol>VPLS</Protocol>
    <EnableMultihoming>true</EnableMultihoming>
    <MultihomingMode>single-active</MultihomingMode>
    <InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
    <UseCount>0</UseCount>
    <EnableL3Access>>false</EnableL3Access>
    <StaticpseudoWire>undefined</StaticpseudoWire>
    <QosEnabled></QosEnabled>
```

```

        <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSServiceEndpointGroupParameterDefType">
    <RouteTarget selection="Auto Pick" editable="false" />
    <RouteDistinguisher selection="Auto pick" editable="false" />
    <AllowMH>Not enabled</AllowMH>
    <VlanNormalization>Normalize to Dot1q tag</VlanNormalization>
    <MACLearning editable="false">Not Enabled</MACLearning>
    <MACStatistics editable="false">Not enabled</MACStatistics>
    <MACTableSize editable="false">5120</MACTableSize>
    <MACInterfaceLimit editable="false">1024</MACInterfaceLimit>
</ServiceElementConfigurationDefinition>
    <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSEndPointParameterDefType">
        <EthernetOption editable="undefined">dot1q</EthernetOption>
        <VlanIdSelection selection="Select manually" editable="false"
/>

        <VlanIdManual max="4094" min="1" default="1" />
        <TrafficType>Transport single vlan</TrafficType>

<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
    <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
    <MTU max="undefined" min="" editable="false" default="1522"
/>

    <EnableRateLimiting>Enabled</EnableRateLimiting>
    <DefaultBandwidth unit="Mbps" max="100" min="1"
editable="false" default="1">10</DefaultBandwidth>
    <MinBandwidth unit="Kbps" max="100000" min="64"></MinBandwidth>

    <MaxBandwidth unit="Mbps" max="100000"
min="1">undefined</MaxBandwidth>
    <Increment unit="Kbps" max="100000" min="64"
default="64"></Increment>
    <CalculateBurstSizeType>MTU Based</CalculateBurstSizeType>
    <MTUFactor editable="false">10</MTUFactor>
</ServiceEndPointConfigurationDefinition>
    <AdvancedSettings xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSAdvanceEndPointConfigParameterDefType"></AdvancedSettings>
</ServiceDefinition>
</ServiceResource>
</Data>
"

```

Supported Instance Types and Protocols

- Instance Type - vlps
- Protocol - vlps
- Instance Type - virtual-switch
- Protocol - vlps, evpn, evpn-etree
- Instance Type - evpn
- Protocol - evpn, evpn-etree

Response

```
" "<Data>
<Status>
<Identity>
<Type>Service Definition</Type>
<Value>18350080</Value>
</Identity>
<Code>200</Code>
<Message>ServiceDefinition Created Successfully</Message>
</Status>
</Data> "
```

Create an E-LAN BGP Service Definition with Burst Size

This request is used to create an E-LAN BGP service definition with burst size configured.

| | |
|--------------|--|
| URI | api/space/nsas/elan-vpls/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-definition+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition-status+xml |
| Produces | Creates an E-LAN LDP service definition with burst size. |

Input (MTU-Based Burst Size)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>VPLS_QinQ_MTU_Based </Name>
        <Comments>werewr</Comments>
      </Common>
      <ServiceType>VPLS(LDP)</ServiceType>
      <InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
      <EnableL3Access>>false</EnableL3Access>
      <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSServiceEndpointGroupParameterDefType">
        <RouteTarget editable="false" selection="Auto Pick"/>
        <RouteDistinguisher selection="Auto pick"/>
        <AutoDiscovery>true</AutoDiscovery>
        <MACLearning editable="false">Enabled</MACLearning>
        <MACInterfaceLimit editable="false">1024</MACInterfaceLimit>
        <MACStatistics editable="false">Not enabled</MACStatistics>
        <MACTableSize editable="false">5120</MACTableSize>
        <VlanNormalization>Normalize to VLAN all</VlanNormalization>
        <AllowMH>Not enabled</AllowMH>
        <VPNId selection="Auto pick"/>
      </ServiceElementConfigurationDefinition>
      <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSEndPointParameterDefType">
        <EthernetOption>qinq</EthernetOption>
        <VlanIdSelection editable="false" selection="Auto pick"/>
        <TrafficType>Transport single vlan</TrafficType>
        <VlanIdAuto max="0" min="0" default="0"/>
        <VlanIdManual max="0" min="0" default="0"/>
        <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>

        <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
        <MTU max="9192" min="1522" editable="true" default="1522"/>
        <CalculateBurstSizeType>MTU Based</CalculateBurstSizeType>
        <MTUFactor editable="true">10</MTUFactor>
        <EnableRateLimiting>Enabled</EnableRateLimiting>
        <DefaultBandwidth unit="Mbps" max="100" min="1" editable="true"
default="1">10</DefaultBandwidth>
        <MinBandwidth unit="Kbps" max="100000" min="64">1000</MinBandwidth>

```

```

    <MaxBandwidth unit="Mbps" max="100000" min="1">100</MaxBandwidth>
    <Increment unit="Kbps" max="100000" min="64" default="64">1000</Increment>

    <OuterTagProtocolId editable="false">0x88a8</OuterTagProtocolId>
    <InnerTagProtocolId editable="false">0x9100</InnerTagProtocolId>
  </ServiceEndPointConfigurationDefinition>
  <AdvancedSettings/>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Input (Line Rate-Based Burst Size)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>VPLS_QinQ_MTU_Based </Name>
        <Comments>werewr</Comments>
      </Common>
      <ServiceType>VPLS(LDP)</ServiceType>
      <InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
      <EnableL3Access>>false</EnableL3Access>
      <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSServiceEndpointGroupParameterDefType">
        <RouteTarget editable="false" selection="Auto Pick"/>
        <RouteDistinguisher selection="Auto pick"/>
        <AutoDiscovery>true</AutoDiscovery>
        <MACLearning editable="false">Enabled</MACLearning>
        <MACInterfaceLimit editable="false">1024</MACInterfaceLimit>
        <MACStatistics editable="false">Not enabled</MACStatistics>
        <MACTableSize editable="false">5120</MACTableSize>
        <VlanNormalization>Normalize to VLAN all</VlanNormalization>
        <AllowMH>Not enabled</AllowMH>
        <VPNId selection="Auto pick"/>

```

```

        </ServiceElementConfigurationDefinition>
        <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSEndPointParameterDefType">
        <EthernetOption>qinq</EthernetOption>
        <VlanIdSelection editable="false" selection="Auto pick"/>
        <TrafficType>Transport single vlan</TrafficType>
        <VlanIdAuto max="0" min="0" default="0"/>
        <VlanIdManual max="0" min="0" default="0"/>
        <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>

        <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
        <MTU max="9192" min="1522" editable="true" default="1522"/>
        <CalculateBurstSizeType>Line Rate Based</CalculateBurstSizeType>
        <BurstPeriod editable="true">10</BurstPeriod>
        <EnableRateLimiting>Enabled</EnableRateLimiting>
        <DefaultBandwidth unit="Mbps" max="100" min="1" editable="true"
default="1">10</DefaultBandwidth>
        <MinBandwidth unit="Kbps" max="100000" min="64">1000</MinBandwidth>
        <MaxBandwidth unit="Mbps" max="100000" min="1">100</MaxBandwidth>
        <Increment unit="Kbps" max="100000" min="64" default="64">1000</Increment>

        <OuterTagProtocolId editable="false">0x88a8</OuterTagProtocolId>
        <InnerTagProtocolId editable="false">0x9100</InnerTagProtocolId>
        </ServiceEndPointConfigurationDefinition>
        <AdvancedSettings/>
    </ServiceDefinition>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">

```

```
<Status>
  <Identity>
    <Type>Service Definition</Type>
    <Value>1900664</Value>
  </Identity>
  <Code>200</Code>
  <Message>ServiceDefinition Created Successfully</Message>
</Status>
</Data>
```

Publish and Unpublish an E-LAN BGP Service Definition

This request is used to publish or unpublish an E-LAN BGP service definition.

| | |
|--------------|---|
| URI | api/space/nsas/elan-vpls/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-definition+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition-status+xml Action types are Publish and Unpublish. |
| Produces | Publishes or unpublishes an E-LAN BGP service definition. |

Input for Unpublishing a Service Definition

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="ServiceDefinitionCustomActionType">
```

```

    <Action>UnPublish</Action>
  </CustomAction>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceDefinition</Type>
      <Value>7012365</Value>
    </Identity>
    <Code>200</Code>
    <Message>ServiceDefinition UnPublished Successfully</Message>
  </Status>
</Data>

```

Input for Publishing a Service Definition

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceDefinitionCustomActionType">
    <Action>Publish</Action>
  </CustomAction>
</Data>

```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceDefinition</Type>
      <Value>7012365</Value>
    </Identity>
    <Code>200</Code>
    <Message>ServiceDefinition Published Successfully</Message>
  </Status>
</Data>
```

Delete an E-LAN BGP Service Definition

This request is used to delete a previously configured E-LAN BGP service definition.

| | |
|-------------|--|
| URI | api/space/nsas/elan-vpls/service-management/service-definitions/ <servicedefinition-id> |
| HTTP Method | DELETE |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition+xml |
| Produces | Deletes an E-LAN BGP service definition. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceDefinition</Type>
      <Value>7012365</Value>
    </Identity>
```

```
<Code>200</Code>
<Message>ServiceDefinition Deleted Successfully</Message>
</Status>
</Data>
```

Get an E-LAN Service Definition with Default Service Template By Definition ID

This request is used to retrieve the details of a particular E-LAN service definition with default service template, based on the service definition ID.

| | |
|-------------|---|
| URI | api/space/nsas/elan-vpls/service-management/service-definitions/ <servicedefinition-Id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition+xml |
| Produces | Collects the details of a specific E-LAN service definition with default service template. |

Output (E-LAN BGP)

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition key="1048576"
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/1048576"

href="/api/space/nsas/elan-vpls/service-management/service-definitions/1048576">

    <Common>
      <Name>Test_VPLSBGP_SD_API</Name>
      <Identity>1048576</Identity>
      <State>Unpublished</State>
      <CreateDate>2015-02-23T16:05:58.000+05:30</CreateDate>
```

```

    <LastUpdatedDate>2015-02-23T16:05:58.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <ServiceType>VPLS(BGP)</ServiceType>
  <InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
  <EnableL3Access>>false</EnableL3Access>
  <ServiceTemplates>
    <ServiceTemplate
href="/api/space/nsas/elan-vpls/service-management/service-templates/950272"
uri="/api/space/nsas/elan-vpls/service-management/service-templates/950272"
key="/api/space/nsas/elan-vpls/service-management/service-templates/950272">

      <ID>950272</ID>
      <Name>ST with _Descp_P2P</Name>
      <Default>>false</Default>
    </ServiceTemplate>
    <ServiceTemplate
href="/api/space/nsas/elan-vpls/service-management/service-templates/950296"
uri="/api/space/nsas/elan-vpls/service-management/service-templates/950296"
key="/api/space/nsas/elan-vpls/service-management/service-templates/950296">

      <ID>950296</ID>
      <Name>Flexi_Temp</Name>
      <Default>>false</Default>
    </ServiceTemplate>
  </ServiceTemplates>
  <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSServiceEndpointGroupParameterDefType">
    <RouteTarget editable="false" selection="Auto Pick"/>
    <RouteDistinguisher selection="Auto pick"/>
    <MACLearning editable="false">Enabled</MACLearning>
    <MACInterfaceLimit editable="false">1024</MACInterfaceLimit>
    <MACStatistics editable="false">Not enabled</MACStatistics>
    <MACTableSize editable="false">5120</MACTableSize>
    <VlanNormalization>Normalize to Dot1q tag</VlanNormalization>
    <AllowMH>Not enabled</AllowMH>
  </ServiceElementConfigurationDefinition>
  <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSEndPointParameterDefType">
    <EthernetOption>port-port</EthernetOption>

```

```

    <VlanIdSelection editable="false" selection="N/A"/>
    <TrafficType>N/A</TrafficType>
    <VlanIdAuto max="0" min="0" default="0"/>
    <VlanIdManual max="0" min="0" default="0"/>
    <PhysicalEncapsulation>ethernet-vpls</PhysicalEncapsulation>
    <LogicalEncapsulation>N/A</LogicalEncapsulation>
    <MTU max="9192" min="1522" editable="false" default="1522"/>
    <EnableRateLimiting>Not enabled</EnableRateLimiting>
    <DefaultBandwidth unit="Mbps" max="100" min="1" editable="false"
default="1">N/A</DefaultBandwidth>
    <MinBandwidth unit="Kbps" max="100000" min="64">0</MinBandwidth>
    <MaxBandwidth unit="Mbps" max="100000" min="1">0</MaxBandwidth>
    <Increment unit="Kbps" max="100000" min="64" default="64">0</Increment>
    <CalculateBurstSizeType>MTU Based</CalculateBurstSizeType>
    <MTUFactor editable="false">10</MTUFactor>
  </ServiceEndPointConfigurationDefinition>
  <AdvancedSettings/>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Output (E-LAN LDP)

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition key="1048611"
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/1048611"

href="/api/space/nsas/elan-vpls/service-management/service-definitions/1048611">

    <Common>
      <Name>testVPLS_LDP_SD_API</Name>
      <Identity>1048611</Identity>
      <State>Unpublished</State>
      <CreatedDate>2015-02-23T16:08:37.000+05:30</CreatedDate>
      <LastUpdatedDate>2015-02-23T16:08:37.000+05:30</LastUpdatedDate>
      <CreatedBy>super</CreatedBy>
    </Common>
  </ServiceDefinition>
</ServiceResource>
</Data>

```

```

    </Common>
    <ServiceType>VPLS(LDP)</ServiceType>
    <InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
    <EnableL3Access>>false</EnableL3Access>
    <ServiceTemplates>
      <ServiceTemplate
href="/api/space/nsas/elan-vpls/service-management/service-templates/950272"
uri="/api/space/nsas/elan-vpls/service-management/service-templates/950272"
key="/api/space/nsas/elan-vpls/service-management/service-templates/950272">

        <ID>950272</ID>
        <Name>ST with _Descp_P2P</Name>
        <Default>>false</Default>
      </ServiceTemplate>
      <ServiceTemplate
href="/api/space/nsas/elan-vpls/service-management/service-templates/950296"
uri="/api/space/nsas/elan-vpls/service-management/service-templates/950296"
key="/api/space/nsas/elan-vpls/service-management/service-templates/950296">

        <ID>950296</ID>
        <Name>Flexi_Temp</Name>
        <Default>>true</Default>
      </ServiceTemplate>
    </ServiceTemplates>
    <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSServiceEndpointGroupParameterDefType">
      <AutoDiscovery>>false</AutoDiscovery>
      <VPLSId>Auto pick</VPLSId>
      <MACLearning editable="false">Enabled</MACLearning>
      <MACInterfaceLimit editable="false">1024</MACInterfaceLimit>
      <MACStatistics editable="false">Not enabled</MACStatistics>
      <MACTableSize editable="false">5120</MACTableSize>
      <VlanNormalization>Normalize to Dot1q tag</VlanNormalization>
      <AllowMH>Not enabled</AllowMH>
    </ServiceElementConfigurationDefinition>
    <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSEndPointParameterDefType">
      <EthernetOption>port-port</EthernetOption>
      <VlanIdSelection editable="false" selection="N/A"/>
      <TrafficType>N/A</TrafficType>

```

```
<VlanIdAuto max="0" min="0" default="0"/>
<VlanIdManual max="0" min="0" default="0"/>
<PhysicalEncapsulation>ethernet-vpls</PhysicalEncapsulation>
<LogicalEncapsulation>N/A</LogicalEncapsulation>
<MTU max="9192" min="1522" editable="false" default="1522"/>
<EnableRateLimiting>Not enabled</EnableRateLimiting>
<DefaultBandwidth unit="Mbps" max="100" min="1" editable="false"
default="1">N/A</DefaultBandwidth>
<MinBandwidth unit="Kbps" max="100000" min="64">0</MinBandwidth>
<MaxBandwidth unit="Mbps" max="100000" min="1">0</MaxBandwidth>
<Increment unit="Kbps" max="100000" min="64" default="64">0</Increment>
<CalculateBurstSizeType>MTU Based</CalculateBurstSizeType>
<MTUFactor editable="false">10</MTUFactor>
</ServiceEndPointConfigurationDefinition>
<AdvancedSettings/>
</ServiceDefinition>
</ServiceResource>
</Data>
```

GET E-LAN Service Definition for vpls Instance and vpls Protocol Types

This request is used to retrieve the details of a particular E-LAN service definition with vpls as the instance and protocol type.

| | |
|---------------|---|
| URL | /api/space/nsas/csd/service-definition/<definitionId> |
| Sample URL | https://192.0.2.10:8080/api/space/nsas/csd/service-definition/2134456 |
| HTTP Method | GET |
| Accept Header | application/xml; |
| Content Type | application/xml; |

Request

Not Applicable

Response

```

"      "      <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
      <Data xmlns="services.schema.networkapi.jmp.juniper.net">
        <ServiceResource>
          <ServiceDefinition key="18350080"
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/18350080"
href="/api/space/nsas/elan-vpls/service-management/service-definitions/18350080">

            <Common>
              <Name>Multihoming7</Name>
              <Identity>18350080</Identity>
              <State>Unpublished</State>
              <CreatedDate>2017-09-01T11:25:40.000+05:30</CreatedDate>
              <LastUpdatedDate>2017-09-01T11:25:40.000+05:30</LastUpdatedDate>
              <CreatedBy>super</CreatedBy>
            </Common>
            <ServiceType>VPLS(BGP)</ServiceType>
            <InstanceType>VPLS</InstanceType>
            <Protocol>VPLS</Protocol>
            <EnableMultihoming>true</EnableMultihoming>
            <MultihomingMode>single-active</MultihomingMode>
            <InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
            <StaticpseudoWire>false</StaticpseudoWire>
            <EnableL3Access>false</EnableL3Access>
            <QosEnabled>false</QosEnabled>
            <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSServiceEndpointGroupParameterDefType">
              <RouteTarget editable="false" selection="Auto Pick"/>
              <RouteDistinguisher editable="false" selection="Auto pick"/>
              <MACLearning editable="false">Not Enabled</MACLearning>
              <MACInterfaceLimit editable="false">1024</MACInterfaceLimit>
              <MACStatistics editable="false">Not enabled</MACStatistics>
              <MACTableSize editable="false">5120</MACTableSize>
              <VlanNormalization>Normalize to Dot1q tag</VlanNormalization>
              <AllowMH>Enabled</AllowMH>
            </ServiceElementConfigurationDefinition>
            <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSEndPointParameterDefType">
              <EthernetOption>dot1q</EthernetOption>
              <VlanIdSelection editable="false" selection="Select manually"/>
              <TrafficType>Transport single vlan</TrafficType>
              <VlanIdAuto max="0" min="0" default="0"/>
              <VlanIdManual max="4094" min="1" default="1"/>

```

```
<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>

  <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
  <MTU max=""9192"" min=""1522"" editable=""false"" default=""1522""/>
  <EnableRateLimiting>Enabled</EnableRateLimiting>
  <DefaultBandwidth unit=""Mbps"" max=""100"" min=""1"" editable=""false""
default=""1"">10</DefaultBandwidth>
  <MinBandwidth unit=""Kbps"" max=""100000"" min=""64"">0</MinBandwidth>
  <MaxBandwidth unit=""Mbps"" max=""100000"" min=""1"">0</MaxBandwidth>
  <Increment unit=""Kbps"" max=""100000"" min=""64""
default=""64"">0</Increment>
  <CalculateBurstSizeType>MTU Based</CalculateBurstSizeType>
  <MTUFactor editable=""false"">10</MTUFactor>
</ServiceEndPointConfigurationDefinition>
<UseCount>0</UseCount>
<UsedBy/>
<IsStandard>>false</IsStandard>
</ServiceDefinition>
</ServiceResource>
</Data>"
"
```

Create an E-LAN Service Definition with Default Service Template

This request is used to create an E-LAN service definition configured with default service template.

| | |
|--------------|---|
| URI | api/space/nsas/elan-vpls/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-definition+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition-status+xml;version=2 |
| Produces | Creates an E-LAN service definition configured with default service template. |

Input (E-LAN BGP)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource>
  <ServiceDefinition>
    <Common>
      <Name>Test_VPLSBGP_SD_API</Name>
    </Common>
    <ServiceType>VPLS(BGP)</ServiceType>
    <InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
    <EnableL3Access>>false</EnableL3Access>
    <ServiceTemplates>
      <ServiceTemplate>
        <ID>1212428</ID>
        <Name>ST with _Descp_P2P</Name>
        <Default>>false</Default>
      </ServiceTemplate>
      <ServiceTemplate>
        <ID>2064401</ID>
        <Name>Flexi_Temp</Name>
        <Default>>false</Default>
      </ServiceTemplate>
    </ServiceTemplates>
    <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSServiceEndpointGroupParameterDefType">
      <RouteTarget editable="false" selection="Auto Pick"/>
      <RouteDistinguisher selection="Auto pick"/>
      <MACLearning editable="false">Enabled</MACLearning>
      <MACInterfaceLimit editable="false">1024</MACInterfaceLimit>
      <MACStatistics editable="false">Not enabled</MACStatistics>
      <MACTableSize editable="false">5120</MACTableSize>
      <VlanNormalization>Normalize to Dot1q tag</VlanNormalization>
      <AllowMH>Not enabled</AllowMH>
    </ServiceElementConfigurationDefinition>
    <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSEndPointParameterDefType">
      <EthernetOption>port-port</EthernetOption>
      <VlanIdSelection editable="false" selection="N/A"/>
      <TrafficType>N/A</TrafficType>
      <PhysicalEncapsulation>ethernet-vpls</PhysicalEncapsulation>
      <LogicalEncapsulation>N/A</LogicalEncapsulation>
      <MTU max="9192" min="1522" editable="false" default="1522"/>

```

```

    <CalculateBurstSizeType>MTU Based</CalculateBurstSizeType>
    <MTUFactor editable="false">10</MTUFactor>
  </ServiceEndPointConfigurationDefinition>
  <AdvancedSettings/>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Input (E-LAN LDP)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>testVPLS_LDP_SD_API</Name>
      </Common>
      <ServiceType>VPLS(LDP)</ServiceType>
      <InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
      <EnableL3Access>false</EnableL3Access>
      <ServiceTemplates>
        <ServiceTemplate>
          <ID>1212428</ID>
          <Name>ST with _Descp_P2P</Name>
          <Default>false</Default>
        </ServiceTemplate>
        <ServiceTemplate>
          <ID>2064401</ID>
          <Name>Flexi_Temp</Name>
          <Default>true</Default>
        </ServiceTemplate>
      </ServiceTemplates>
      <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSServiceEndpointGroupParameterDefType">
        <AutoDiscovery>false</AutoDiscovery>
        <VPLSId>Auto pick</VPLSId>
        <MACLearning editable="false">Enabled</MACLearning>
      </ServiceElementConfigurationDefinition>
    </ServiceDefinition>
  </ServiceResource>
</Data>

```

```

    <MACInterfaceLimit editable="false">1024</MACInterfaceLimit>
    <MACStatistics editable="false">Not enabled</MACStatistics>
    <MACTableSize editable="false">5120</MACTableSize>
    <VlanNormalization>Normalize to Dot1q tag</VlanNormalization>
    <AllowMH>Not enabled</AllowMH>
  </ServiceElementConfigurationDefinition>
  <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSEndPointParameterDefType">
    <EthernetOption>port-port</EthernetOption>
    <VlanIdSelection editable="false" selection="N/A"/>
    <TrafficType>N/A</TrafficType>
    <VlanIdAuto max="0" min="0" default="0"/>
    <VlanIdManual max="0" min="0" default="0"/>
    <PhysicalEncapsulation>ethernet-vpls</PhysicalEncapsulation>
    <LogicalEncapsulation>N/A</LogicalEncapsulation>
    <MTU max="9192" min="1522" editable="false" default="1522"/>
    <EnableRateLimiting>Not enabled</EnableRateLimiting>
    <DefaultBandwidth unit="Mbps" max="100" min="1" editable="false"
default="1">N/A</DefaultBandwidth>
    <MinBandwidth unit="Kbps" max="100000" min="64">0</MinBandwidth>
    <MaxBandwidth unit="Mbps" max="100000" min="1">0</MaxBandwidth>
    <Increment unit="Kbps" max="100000" min="64" default="64">0</Increment>
    <CalculateBurstSizeType>MTU Based</CalculateBurstSizeType>
    <MTUFactor editable="false">10</MTUFactor>
  </ServiceEndPointConfigurationDefinition>
  <AdvancedSettings/>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
<Status>
  <Identity>
    <Type>ServiceDefinition</Type>

```

```
<Value>458825</Value>
</Identity>
<Code>200</Code>
<Message>ServiceDefinition Created Successfully</Message>
</Status>
</Data>
```

Create a Point-to-Multipoint E-LAN Service Definition (Version 2)

This request is used to create a point-to-multipoint E-LAN service definition in version 2 format. In the version 2 format, the <EnableRateLimiting> parameter is a mandatory parameter.

| | |
|--------------|---|
| URI | api/space/nsas/elan-vpls/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-definition+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition-status+xml;version=2 |
| Produces | Creates an E-LAN service definition in version 2 format. |

Input (E-LAN BGP)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>APISD_BGP_HS_001</Name>
      </Common>
      <ServiceType>VPLS(BGP)</ServiceType>
      <InterfaceType>VPLS (Point-MultiPoint)</InterfaceType>
      <EnableL3Access>>false</EnableL3Access>
```

```

    <PWExtension>Enabled</PWExtension>
    <PWResiliency>Enabled</PWResiliency>
        <QosEnabled>>false</QosEnabled>
    <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSServiceEndpointGroupParameterDefType">
        <RouteTarget editable="true" selection="Auto Pick" />
            <RouteDistinguisher editable="true"
selection="Auto pick" />

        <MACLearning editable="false">Enabled</MACLearning>
        <MACInterfaceLimit editable="false">1024</MACInterfaceLimit>
        <MACStatistics editable="false">Not enabled</MACStatistics>
        <MACTableSize editable="false">5120</MACTableSize>
        <VlanNormalization>Normalize to Dot1q tag</VlanNormalization>
        <AllowMH>Not enabled</AllowMH>
        <VCID editable="true">Select manually</VCID>
        <RevertTime editable="false">5</RevertTime>
        <SwitchOverDelay editable="false">5</SwitchOverDelay>
    </ServiceElementConfigurationDefinition>
    <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSEndPointParameterDefType">
        <EthernetOption>port-port</EthernetOption>
        <VlanIdSelection editable="false" selection="N/A"/>
        <TrafficType>N/A</TrafficType>
        <VlanIdAuto max="0" min="0" default="0"/>
        <VlanIdManual max="0" min="0" default="0"/>
        <PhysicalEncapsulation>ethernet-vpls</PhysicalEncapsulation>
        <LogicalEncapsulation>N/A</LogicalEncapsulation>
        <LDPPwExtensionSettings>
            <PhysicalEncapsulation>ethernet-ccc</PhysicalEncapsulation>
            <LogicalEncapsulation>N/A</LogicalEncapsulation>
        </LDPPwExtensionSettings>
        <MTU max="9192" min="1522" editable="false" default="1522"/>
        <EnableRateLimiting>Enabled</EnableRateLimiting>      ( Rate Limiting
Should be Enabled for Version 2)
        <DefaultBandwidth unit="Mbps" max="100" min="1" editable="false"
default="1">10</DefaultBandwidth>
        <MinBandwidth unit="Kbps" max="100000" min="64">15</MinBandwidth>
        <MaxBandwidth unit="Mbps" max="100000" min="1">100</MaxBandwidth>
        <Increment unit="Kbps" max="100000" min="64" default="64">0</Increment>

```

```
<CalculateBurstSizeType>MTU Based</CalculateBurstSizeType>
<MTUFactor editable="false">10</MTUFactor>
</ServiceEndPointConfigurationDefinition>
<AdvancedSettings/>
</ServiceDefinition>
</ServiceResource>
</Data>
```

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<Status>
<Identity>
<Type>ServiceDefinition</Type>
<Value>458825</Value>
</Identity>
<Code>200</Code>
<Message>ServiceDefinition Created Successfully</Message>
</Status>
</Data>
```

Modify an E-LAN Service Definition with vpls Instance and vpls Protocol Type

This request is used to modify an E-LAN Service Definition with vpls Instance and vpls Protocol Type.

| | |
|---------------|---|
| URL | /api/space/nsas/csd/service-definition/<defn-id> |
| Sample URL | https://192.0.2.10:8080/api/space/nsas/csd/service-definition/12345 |
| HTTP Method | POST |
| Accept Header | application/xml |
| Content Type | application/xml; |

Request

```

"<Data xmlns=""services.schema.networkapi.jmp.juniper.net"">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>Multihoming</Name>
        <Comments></Comments>
      </Common>
      <ServiceType>VPLS(BGP)</ServiceType>
      <InstanceType>VPLS</InstanceType>
    <Protocol>VPLS</Protocol>
    <EnableMultihoming>true</EnableMultihoming>
    <MultihomingMode>single-active</MultihomingMode>
    <InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
    <UseCount>0</UseCount>
    <EnableL3Access>false</EnableL3Access>
    <StaticpseudoWire>undefined</StaticpseudoWire>
    <QosEnabled></QosEnabled>
    <ServiceElementConfigurationDefinition
xmlns:xsi=""http://www.w3.org/2001/XMLSchema-instance""
xsi:type=""VPLSServiceEndpointGroupParameterDefType"">
      <RouteTarget selection=""Auto Pick"" editable=""false"" />
      <RouteDistinguisher selection=""Auto pick"" editable=""false"" />
      <AllowMH>Not enabled</AllowMH>
      <VlanNormalization>Normalize to Dot1q tag</VlanNormalization>
      <MACLearning editable=""false"">Not Enabled</MACLearning>
      <MACStatistics editable=""false"">Not enabled</MACStatistics>
      <MACTableSize editable=""false"">5120</MACTableSize>
      <MACInterfaceLimit editable=""false"">1024</MACInterfaceLimit>
    </ServiceElementConfigurationDefinition>
    <ServiceEndPointConfigurationDefinition
xmlns:xsi=""http://www.w3.org/2001/XMLSchema-instance""
xsi:type=""VPLSEndPointParameterDefType"">
      <EthernetOption editable=""undefined"">dot1q</EthernetOption>
      <VlanIdSelection selection=""Select manually"" editable=""false""
/>

      <VlanIdManual max=""4094"" min=""1"" default=""1"" />
      <TrafficType>Transport single vlan</TrafficType>

    <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
      <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
      <MTU max=""undefined"" min="" "" editable=""false"" default=""1522""
/>

      <EnableRateLimiting>Enabled</EnableRateLimiting>
      <DefaultBandwidth unit=""Mbps"" max=""100"" min=""1""

```

```

    editable="false" default="1">10</DefaultBandwidth>
    <MinBandwidth unit="Kbps" max="100000" min="64"></MinBandwidth>

    <MaxBandwidth unit="Mbps" max="100000"
min="1">undefined</MaxBandwidth>
    <Increment unit="Kbps" max="100000" min="64"
default="64"></Increment>
    <CalculateBurstSizeType>MTU Based</CalculateBurstSizeType>
    <MTUFactor editable="false">10</MTUFactor>
  </ServiceEndPointConfigurationDefinition>
  <AdvancedSettings xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSAdvanceEndPointConfigParameterDefType"></AdvancedSettings>
</ServiceDefinition>
</ServiceResource>
</Data>
"

```

Response

```

"<Data>
<Status>
<Identity>
<Type>Service Definition</Type>
<Value>18350080</Value>
</Identity>
<Code>200</Code>
<Message>ServiceDefinition Modified Successfully</Message>
</Status>
</Data>
"

```

E-LAN Service Orders Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director E-LAN Service Orders Management RESTful Web Services.

Get All E-LAN BGP Service Orders

This request is used to retrieve all the configured Layer 2 Ethernet LAN (E-LAN) BGP service orders.

URI

api/space/nsas/elan-vpls/service-management/service-orders

| | |
|-------------|--|
| HTTP Method | GET |
| Consumes | application/vnd.netjuniper.space.service-management.service-orders+xml |
| Produces | Collects all the configured E-LAN BGP service orders. |

Output

Sample XML Output

```
<Data>
  <ServiceResource size="5">
    <ServiceOrder
      href="/api/space/nsas/elan-vpls/service-management/service-orders/2883702"

      uri="/api/space/nsas/elan-vpls/service-management/service-orders/2883702"

      key="2883702">
        <Common>
          <Name>testvplsHSMultihomeAssy</Name>
          <Identity>2883702</Identity>
          <State>Invalid</State>
          <Comments> </Comments>
          <CreatedDate>2012-10-23T09:23:05.000Z</CreatedDate>
          <LastUpdatedDate>2012-10-23T09:23:05.000Z</LastUpdatedDate>
          <CreatedBy>super</CreatedBy>
        </Common>
        <ServiceType>VPLS</ServiceType>
        <Action>Provisioning</Action>
        <Reference>
          <Customer key="2556283"
            href="/api/space/nsas/customer-management/customers/2556283"
            uri="/api/space/nsas/customer-management/customers/2556283" />
          <ServiceDefinition>
            <ServiceDefinitionID key="2883670"

            href="/api/space/nsas/elan-vpls/service-management/service-definitions/2883670"

            uri="/api/space/nsas/elan-vpls/service-management/service-definitions/2883670"
            />
          </ServiceDefinition>
        </Reference>
      </ServiceOrder>
    </ServiceResource>
  </Data>
```

```

    </Reference>
  </ServiceOrder>
  <ServiceOrder
    href="/api/space/nsas/elan-vpls/service-management/service-orders/2425138"

    uri="/api/space/nsas/elan-vpls/service-management/service-orders/2425138"

    key="2425138">
    <Common>
      <Name>VPLS_HS-Decommission2012-10-23 06:03:31.223</Name>
      <Identity>2425138</Identity>
      <State>Completed</State>
      <CreatedDate>2012-10-23T06:03:32.000Z</CreatedDate>
      <LastUpdatedDate>2012-10-23T06:04:08.000Z</LastUpdatedDate>
      <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>VPLS</ServiceType>
    <Action>Decommission</Action>
    <Reference>
      <Customer key="2556283"
        href="/api/space/nsas/customer-management/customers/2556283"
        uri="/api/space/nsas/customer-management/customers/2556283" />
      <ServiceDefinition>
        <ServiceDefinitionID key="2425057"

        href="/api/space/nsas/elan-vpls/service-management/service-definitions/2425057"

        uri="/api/space/nsas/elan-vpls/service-management/service-definitions/2425057"
        />
      </ServiceDefinition>
      <Service key="2425112"
        href="/api/space/nsas/elan-vpls/service-management/services/2425112"
        uri="/api/space/nsas/elan-vpls/service-management/services/2425112" />
      </Reference>
    </ServiceOrder>
    <ServiceOrder
      href="/api/space/nsas/elan-vpls/service-management/service-orders/2425128"

      uri="/api/space/nsas/elan-vpls/service-management/service-orders/2425128"

      key="2425128">

```

```

<Common>
  <Name>VPLS_HS _audit_2012-10-23 05:53:51.588</Name>
  <Identity>2425128</Identity>
  <State>Completed</State>
  <Comments>Audit Vpls-svc1-10-23 05:53:51.588</Comments>
  <CreatedDate>2012-10-23T05:53:51.000Z</CreatedDate>
  <LastUpdatedDate>2012-10-23T05:53:51.000Z</LastUpdatedDate>
  <CreatedBy>super</CreatedBy>
</Common>
<ServiceType>VPLS</ServiceType>
<Action>Provisioning</Action>
<Reference>
  <Customer key="2556283"
    href="/api/space/nsas/customer-management/customers/2556283"
uri="/api/space/nsas/customer-management/customers/2556283" />
  <ServiceDefinition>
    <ServiceDefinitionID key="2425057"
href="/api/space/nsas/elan-vpls/service-management/service-definitions/2425057"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/2425057"
/>
  </ServiceDefinition>
  <Service key="2425112"
    href="/api/space/nsas/elan-vpls/service-management/services/2425112"
    uri="/api/space/nsas/elan-vpls/service-management/services/2425112" />
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Get All E-LAN Service Orders By Customer ID or Name

This request is used to retrieve all the configured Layer 2 Ethernet LAN (E-LAN) service orders based on customer name or customer ID.

| | |
|-------------|--|
| URI | <p>api/space/nsas/elan-vpls/service-management/service-orders?customerId=1048781</p> <p>api/space/nsas/elan-vpls/service-management/service-orders?customerName=Customer_001</p> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-orders+xml;version=2 |
| Produces | Collects all the configured E-LAN BGP service orders based on the customer name or ID. |

Output

Sample XML Output

```

    <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="1">
    <ServiceOrder
      href="/api/space/nsas/elan-vpls/service-management/service-orders/3440666"

      uri="/api/space/nsas/elan-vpls/service-management/service-orders/3440666"

      key="3440666">
    <Common>
      <Name>Ser3_decommission_2012-09-22 13:21:08.712</Name>
      <Identity>3440666</Identity>
      <State>Completed</State>
      <Comments>Decommission Ser32012-09-22 13:21:08.712</Comments>
      <CreatedDate>2012-09-22T13:21:08.000+05:30</CreatedDate>
      <LastUpdatedDate>2012-09-22T13:21:26.000+05:30</LastUpdatedDate>
      <CreatedBy>super</CreatedBy>
    </Common>
    <Action>Decommission</Action>
    <Reference>

```

```
<Customer key="1048781"
  href="/api/space/nsas/customer-management/customers/1048781"
uri="/api/space/nsas/customer-management/customers/1048781" />
<ServiceDefinition>
  <ServiceDefinitionID key="262144"

href="/api/space/nsas/elan-vpls/service-management/service-definitions/262144"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/262144"
/>
</ServiceDefinition>
<Service key="3112986"
  href="/api/space/nsas/elan-vpls/service-management/services/3112986"
  uri="/api/space/nsas/elan-vpls/service-management/services/3112986" />
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Get All E-LAN Service Orders with Pagination, Search, and Filter

This request is used to retrieve all the configured Layer 2 Ethernet LAN (E-LAN) service orders with pagination, and to filter the results based on the search criteria

| | |
|-------------|---|
| URI | api/space/nsas/elan-vpls/service-management/service-orders ?sortorder=asc&sortedby=Name&filteredby="Name::decomm" |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-orders+xml;version=2 |
| Produces | Collects all the configured E-LAN BGP service orders with pagination applied, and with a filtered result-set that matches the search criteria |

NOTE: For service orders, you can sort with “sortedby=CreatedDate” and “sortedby=State”.

For Start and Limit attributes, you can provide integer values based on your requirement to sort and filter the API output. Sortorder can be “asc” and “desc”. The SortedBy attribute differs based on the APIs. For service orders, the SortedBy option can be “CtreatedDate”, “State”. For services, the SortedBy option can be “Name”, “LastModifiedDate”. The FilteredBy attribute differs based on the APIs. For service orders, the FilteredBy option can be “Name” and “State”. For services, the FilteredBy option can be “Name”.

If you enter “paging=(starteq 2, limit eq 3)”, which is not a single integer value, the display is according to index of records. In this case, it shows from the first indexed record to the third indexed record. If you enter “start=2&limit=3”, it starts from the second record and displays the next three records in all.

You can specify multiple key:value pairs with the FilteredBy attribute. For example, to get service orders, you can use Get ServiceOrders with Name and State as “filteredby=Name::L3VPN@@State::Invalid”. Similarly, to get service orders, you can use with Name OR state “filteredby=Name::L3VPN!! State::Invalid”.

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="1">
    <ServiceOrder
      href="/api/space/nsas/elan-vpls/service-management/service-orders/3440666"

      uri="/api/space/nsas/elan-vpls/service-management/service-orders/3440666"

      key="3440666">
      <Common>
        <Name>Ser3_decommission_2012-09-22 13:21:08.712</Name>
        <Identity>3440666</Identity>
        <State>Completed</State>
        <Comments>Decommission Ser32012-09-22 13:21:08.712</Comments>
        <CreatedDate>2012-09-22T13:21:08.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-09-22T13:21:26.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
```

```
</Common>
<Action>Decommission</Action>
<Reference>
  <Customer key="1048781"
    href="/api/space/nsas/customer-management/customers/1048781"
    uri="/api/space/nsas/customer-management/customers/1048781" />
  <ServiceDefinition>
    <ServiceDefinitionID key="262144"
      href="/api/space/nsas/elan-vpls/service-management/service-definitions/262144"
      uri="/api/space/nsas/elan-vpls/service-management/service-definitions/262144"
    />
  </ServiceDefinition>
  <Service key="3112986"
    href="/api/space/nsas/elan-vpls/service-management/services/3112986"
    uri="/api/space/nsas/elan-vpls/service-management/services/3112986" />
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Get an E-LAN BGP Service Order By Order ID

This request is used to retrieve the details of a particular Layer 2 Ethernet LAN (E-LAN) BGP service order based on the service order ID.

| | |
|-------------|--|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/ <serviceOrderId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-order+xml application/vnd.net.juniper.space.service-management. service-order+xml;version=2 |
| Produces | Collects the details of a specific E-LAN BGP service order. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/elan-vpls/service-management/service-orders/3113001"

      uri="/api/space/nsas/elan-vpls/service-management/service-orders/3113001"

      key="3113001">
      <Common>
        <Name>Ser1</Name>
        <Identity>3113001</Identity>
        <State>Completed</State>
        <Comments>Ser 1</Comments>
        <CreatedDate>2012-09-22T12:09:57.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-09-22T12:10:27.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/device-roles/pe-devices/3244038"
            uri="/api/space/nsas/device-roles/pe-devices/3244038"
              key="3244038">
            <DeviceName>kochin</DeviceName>
            <DeviceID>3244038</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/4</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="VPLSBGPEndPointConfigParameterOrderType">
            <PhysicalEncapsulation>flexible-ethernet-services
          </PhysicalEncapsulation>
          <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
          <UNIDescription></UNIDescription>
          <VlanId>241</VlanId>
          <MTU>1522</MTU>
```

```

    <MACLearning>true</MACLearning>
    <MACStatistics>false</MACStatistics>
    <Bandwidth unit="Mbps">10</Bandwidth>
    <CustomerVlanIdStart>0</CustomerVlanIdStart>
    <CustomerVlanIdEnd>0</CustomerVlanIdEnd>
  </ServiceEndpointConfiguration>
  <Description></Description>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/3244094"
uri="/api/space/nsas/device-roles/pe-devices/3244094"
    key="3244094">
    <DeviceName>junos-mx80-1-space</DeviceName>
    <DeviceID>3244094</DeviceID>
  </NA>
</DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-1/1/0</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">
    <PhysicalEncapsulation>flexible-ethernet-services
    </PhysicalEncapsulation>
    <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
    <UNIDescription></UNIDescription>
    <VlanId>241</VlanId>
    <MTU>1522</MTU>
    <MACLearning>true</MACLearning>
    <MACStatistics>false</MACStatistics>
    <Bandwidth unit="Mbps">10</Bandwidth>
    <CustomerVlanIdStart>0</CustomerVlanIdStart>
    <CustomerVlanIdEnd>0</CustomerVlanIdEnd>
  </ServiceEndpointConfiguration>
  <Description></Description>
</ServiceEndPoint>
</ServiceEndPointGroup>
<Reference>
  <Customer key="1048781"
    href="/api/space/nsas/customer-management/customers/1048781"
uri="/api/space/nsas/customer-management/customers/1048781" />

```

```

    <ServiceDefinition>
      <ServiceDefinitionID key="262144"
        href="/api/space/nsas/service-management/service-definitions/262144"
        uri="/api/space/nsas/service-management/service-definitions/262144" />

    </ServiceDefinition>
    <Service key="3113013"
      href="/api/space/nsas/elan-vpls/service-management/services/3113013"
      uri="/api/space/nsas/elan-vpls/service-management/services/3113013" />
    </Reference>
  </ServiceOrder>
</ServiceResource>
</Data>

```

Sample XML Output

```

  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
      <ServiceOrder key="2785280"
        uri="/api/space/nsas/elan-vpls/service-management/service-orders/2785280"
        href="/api/space/nsas/elan-vpls/service-management/service-orders/2785280">
        <Common>
          <Name>VPLSSO_BGP</Name>
          <Identity>2785280</Identity>
          <State>Invalid</State>
          <CreatedDate>2014-07-22T15:43:30.000+05:30</CreatedDate>
          <LastUpdatedDate>2014-07-22T15:43:29.000+05:30</LastUpdatedDate>
          <CreatedBy>super</CreatedBy>
        </Common>
        <ServiceType>Multipoint-to-Multipoint Ethernet (VPLS)</ServiceType>
        <Signaling>BGP</Signaling>
        <Action>Provisioning</Action>
        <ServiceEndPointGroup>
          <DeviceInfo>
            <NA key="525675" uri="/api/space/nsas/device-roles/pe-devices/525675"
              href="/api/space/nsas/device-roles/pe-devices/525675">
              <DeviceName>fortius-f2100-a</DeviceName>
              <DeviceID>525675</DeviceID>
            </NA>
          </DeviceInfo>
        </ServiceEndPointGroup>
      </ServiceOrder>
    </ServiceResource>
  </Data>

```

```

</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge-1/2/1</InterfaceName>
<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">
<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
<UNIDescription>N/A</UNIDescription>
<VlanId>2</VlanId>
<MTU>1522</MTU>
<Bandwidth unit="Mbps">10</Bandwidth>
<MACLearning>true</MACLearning>
<InterfaceMACLimit>1024</InterfaceMACLimit>
<MACStatistics>false</MACStatistics>
<MACTableSize>5120</MACTableSize>
<OuterTPID>None</OuterTPID>
<UnitId>2</UnitId>
</ServiceEndpointConfiguration>
<ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DeviceInfo>
<NA key="525658" uri="/api/space/nsas/device-roles/pe-devices/525658"
href="/api/space/nsas/device-roles/pe-devices/525658">
<DeviceName>fortius-f2100-b</DeviceName>
<DeviceID>525658</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge-1/1/3</InterfaceName>
<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">
<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
<UNIDescription>N/A</UNIDescription>
<VlanId>1</VlanId>
<MTU>1522</MTU>
<Bandwidth unit="Mbps">10</Bandwidth>
<MACLearning>true</MACLearning>
<InterfaceMACLimit>1024</InterfaceMACLimit>
<MACStatistics>false</MACStatistics>

```

```
<MACTableSize>5120</MACTableSize>
<OuterTPID>None</OuterTPID>
<UnitId>1</UnitId>
</ServiceEndpointConfiguration>
<ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="VPLSConfigParameterOrderType">
  <TrafficType>Transport all traffic</TrafficType>
  <RouteTarget>69:1454096390</RouteTarget>
  <VLANNormalization>Not Normalized</VLANNormalization>
</ServiceOrderParameter>
<Reference>
  <Customer uri="/api/space/nsas/customer-management/customers/524831"
    href="/api/space/nsas/customer-management/customers/524831" key="524831"/>
  <ServiceDefinition>
    <ServiceDefinitionID
      uri="/api/space/nsas/elan-vpls/service-management/service-definitions/360448"
      href="/api/space/nsas/elan-vpls/service-management/service-definitions/360448"
      key="360448"/>
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Get an E-LAN LDP Service Order By Order ID

This request is used to retrieve the details of a particular Layer 2 Ethernet LAN (E-LAN) LDP service order based on the service order ID.

| | |
|-------------|---|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/ <serviceOrderId> |
| HTTP Method | GET |
| Consumes | application/vnd.netjuniper.space.service-management.service-order+xml |
| Produces | Collects the details of a specific E-LAN LDP service order. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
href="/api/space/nsas/elan-vpls/service-management/service-orders/1376378"
uri="/api/space/nsas/elan-vpls/service-management/service-orders/1376378"
key="1376378">
      <Common>
        <Name>VPLS_FM_LDP</Name>
        <Identity>1376378</Identity>
        <State>Validated</State>
        <Comments>
        </Comments>
        <CreatedDate>2012-12-14T23:01:33.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-12-14T23:01:33.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>Multipoint-to-Multipoint Ethernet (VPLS)</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/device-roles/pe-devices/721020"
uri="/api/space/nsas/device-roles/pe-devices/721020" key="721020">
            <DeviceName>junos-mx80-2-space</DeviceName>
            <DeviceID>721020</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/0/9</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSLDPEndPointConfigParameterOrderType">
            <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>

            <UNIDescription>N/A</UNIDescription>
            <VlanId>2</VlanId>
            <MTU>1522</MTU>
            <MACLearning>true</MACLearning>
```

```

    <InterfaceMACLimit>1024</InterfaceMACLimit>
    <MACStatistics>>false</MACStatistics>
    <MACTableSize>5120</MACTableSize>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/720976"
uri="/api/space/nsas/device-roles/pe-devices/720976" key="720976">
      <DeviceName>junos-mx80-1-space</DeviceName>
      <DeviceID>720976</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-1/1/1</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSLDPEndPointConfigParameterOrderType">
      <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>

      <UNIDescription>N/A</UNIDescription>
      <VlanId>2</VlanId>
      <MTU>1522</MTU>
      <MACLearning>true</MACLearning>
      <InterfaceMACLimit>1024</InterfaceMACLimit>
      <MACStatistics>>false</MACStatistics>
      <MACTableSize>5120</MACTableSize>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
  <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterOrderType">
    <TrafficType>Transport single vlan</TrafficType>
    <RouteTarget>69:1444102145</RouteTarget>
    <VLANNormalization>Normalize All</VLANNormalization>
    <VPNId>12:2</VPNId>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="720896"
href="/api/space/nsas/customer-management/customers/720896"

```

```
uri="/api/space/nsas/customer-management/customers/720896"/>
  <ServiceDefinition>
    <ServiceDefinitionID key="1376314"
href="/api/space/nsas/service-management/service-definitions/1376314"
uri="/api/space/nsas/service-management/service-definitions/1376314"/>
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Get an E-LAN LDP Service Order By Order ID (Version 2)

This request is used to retrieve the details of a particular Layer 2 Ethernet LAN (E-LAN) LDP service order based on the service order ID.

| | |
|-------------|---|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/ <serviceOrderId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-order+xml;version=2; |
| Produces | Collects the details of a specific E-LAN LDP service order. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder key="1015896"
uri="/api/space/nsas/elan-vpls/service-management/service-orders/1015896"
href="/api/space/nsas/elan-vpls/service-management/service-orders/1015896">
```

```

    <Common>
      <Name>SampleScenarioSO</Name>
      <Identity>1015896</Identity>
      <State>Invalid</State>
      <CreatedDate>2014-07-08T18:05:54.000+05:30</CreatedDate>
      <LastUpdatedDate>2014-07-08T18:05:53.000+05:30</LastUpdatedDate>
      <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>Multipoint-to-Multipoint Ethernet (VPLS)</ServiceType>
    <Signaling>LDP</Signaling>
    <Action>Provisioning</Action>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <NA key="1049756"
uri="/api/space/nsas/device-roles/pe-devices/1049756"
href="/api/space/nsas/device-roles/pe-devices/1049756">
          <DeviceName>junos-space3</DeviceName>
          <DeviceID>1049756</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-0/1/6</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSLDPEndPointConfigParameterOrderType">
          <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
          <UNIDescription>N/A</UNIDescription>
          <VlanId>12</VlanId>
          <MTU>1522</MTU>
          <MACLearning>true</MACLearning>
          <InterfaceMACLimit>1024</InterfaceMACLimit>
          <MACStatistics>false</MACStatistics>
          <MACTableSize>5120</MACTableSize>
          <OuterTPID>None</OuterTPID>
          <UnitId>12</UnitId>
        </ServiceEndpointConfiguration>
        <ServiceTemplates/>
      </ServiceEndPoint>
    </ServiceEndPointGroup>
  </ServiceEndPointGroup>
  <DeviceInfo>

```

```

        <NA key="1049735"
uri="/api/space/nsas/device-roles/pe-devices/1049735"
href="/api/space/nsas/device-roles/pe-devices/1049735">
        <DeviceName>junos-space5</DeviceName>
        <DeviceID>1049735</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge-0/1/5</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSLDPEndPointConfigParameterOrderType">

<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
    <UNIDescription>N/A</UNIDescription>
    <VlanId>11</VlanId>
    <MTU>1522</MTU>
    <MACLearning>true</MACLearning>
    <InterfaceMACLimit>1024</InterfaceMACLimit>
    <MACStatistics>false</MACStatistics>
    <MACTableSize>5120</MACTableSize>
    <OuterTPID>None</OuterTPID>
    <UnitId>11</UnitId>
    </ServiceEndpointConfiguration>
    <ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterOrderType">
    <TrafficType>Transport single vlan</TrafficType>
    <VLANNormalization>Normalize to QinQ</VLANNormalization>
    <QinQVLANOuterTag>1</QinQVLANOuterTag>
    <QinQVLANInnerTag>100</QinQVLANInnerTag>
    <VPLSId>2147467334</VPLSId>
    <AutoDiscovery>false</AutoDiscovery>
</ServiceOrderParameter>
<Reference>
    <Customer uri="/api/space/nsas/customer-management/customers/1048781"
href="/api/space/nsas/customer-management/customers/1048781" key="1048781"/>

    <ServiceDefinition>

```

```

        <ServiceDefinitionID
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/1015860"

href="/api/space/nsas/elan-vpls/service-management/service-definitions/1015860"
key="1015860"/>
        </ServiceDefinition>
    </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Get E-LAN BGP Service Order Details with Burst Size Calculation By Order ID

This request is used to retrieve the details of a particular Layer 2 Ethernet LAN (E-LAN) BGP service order with burst size calculation based on the service order ID.

| | |
|-------------|--|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/ <serviceOrder-Id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-order+xml;version=2 |
| Produces | Collects the details of a specific E-LAN BGP service order with burst size calculation. |

Output

Sample XML Output

```

    <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
    <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
    <ServiceOrder key="884874"
uri="/api/space/nsas/elan-vpls/service-management/service-orders/884874"

```

```

href="/api/space/nsas/elan-vpls/service-management/service-orders/884874">
  <Common>
    <Name>VPLS_BGP_BurstSizeCal_SO_API</Name>
    <Identity>884874</Identity>
    <State>Validated</State>
    <Comments>hgjhjg</Comments>
    <CreatedDate>2014-09-26T18:50:37.000+05:30</CreatedDate>
    <LastUpdatedDate>2014-09-26T18:50:37.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <ServiceType>Multipoint-to-Multipoint Ethernet (VPLS)</ServiceType>
  <Signaling>BGP</Signaling>
  <Action>Provisioning</Action>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA key="558232" uri="/api/space/nsas/device-roles/pe-devices/558232"
href="/api/space/nsas/device-roles/pe-devices/558232">
        <DeviceName>embassy</DeviceName>
        <DeviceID>558232</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-1/1/2</InterfaceName>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">
        <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>

        <UNIDescription>N/A</UNIDescription>
        <VlanId>2</VlanId>
        <MTU>1522</MTU>
        <Bandwidth unit="Mbps">10</Bandwidth>
        <CustomerVlanId>4</CustomerVlanId>
        <MACLearning>true</MACLearning>
        <InterfaceMACLimit>1024</InterfaceMACLimit>
        <MACStatistics>false</MACStatistics>
        <MACTableSize>5120</MACTableSize>
        <OuterTPID>None</OuterTPID>
        <InnerTPID>None</InnerTPID>
        <UnitId>2</UnitId>
      </ServiceEndpointConfiguration>
    <ServiceTemplates/>

```

```

    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA key="557067" uri="/api/space/nsas/device-roles/pe-devices/557067"
href="/api/space/nsas/device-roles/pe-devices/557067">
        <DeviceName>junos-mx240-space</DeviceName>
        <DeviceID>557067</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-0/3/7</InterfaceName>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">
        <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>

        <UNIDescription>N/A</UNIDescription>
        <VlanId>2</VlanId>
        <MTU>1522</MTU>
        <Bandwidth unit="Mbps">10</Bandwidth>
        <CustomerVlanId>4</CustomerVlanId>
        <MACLearning>true</MACLearning>
        <InterfaceMACLimit>1024</InterfaceMACLimit>
        <MACStatistics>false</MACStatistics>
        <MACTableSize>5120</MACTableSize>
        <OuterTPID>None</OuterTPID>
        <InnerTPID>None</InnerTPID>
        <UnitId>2</UnitId>
      </ServiceEndpointConfiguration>
      <ServiceTemplates/>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterOrderType">
    <TrafficType>Transport single vlan</TrafficType>
    <RouteTarget>100:3</RouteTarget>
    <VLANNormalization>Normalize to QinQ</VLANNormalization>
    <QinQVLANOuterTag>5</QinQVLANOuterTag>
    <QinQVLANInnerTag>5</QinQVLANInnerTag>
    <BurstPeriod>20</BurstPeriod>

```

```

    </ServiceOrderParameter>
    <Reference>
      <Customer uri="/api/space/nsas/customer-management/customers/558229"
href="/api/space/nsas/customer-management/customers/558229" key="558229"/>
      <ServiceDefinition>
        <ServiceDefinitionID
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/884836"
href="/api/space/nsas/elan-vpls/service-management/service-definitions/884836"
key="884836"/>
        </ServiceDefinition>
      </Reference>
    </ServiceOrder>
  </ServiceResource>
</Data>

```

Get E-LAN LDP Service Order Details with Burst Size Calculation By Order ID

This request is used to retrieve the details of a particular Layer 2 Ethernet LAN (E-LAN) LDP service order with burst size calculation based on the service order ID.

| | |
|-------------|--|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/ <serviceOrder-Id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-order+xml;version=2 |
| Produces | Collects the details of a specific E-LAN LDP service order with burst size calculation. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">

```

```

    <ServiceResource>
      <ServiceOrder key="884970"
uri="/api/space/nsas/elan-vpls/service-management/service-orders/884970"
href="/api/space/nsas/elan-vpls/service-management/service-orders/884970">
        <Common>
          <Name>VPLS_LDP_BurstSizeCal_SO</Name>
          <Identity>884970</Identity>
          <State>Completed</State>
          <Comments>ertert</Comments>
          <CreatedDate>2014-09-26T19:03:27.000+05:30</CreatedDate>
          <LastUpdatedDate>2014-09-26T19:03:47.000+05:30</LastUpdatedDate>
          <CreatedBy>super</CreatedBy>
        </Common>
        <ServiceType>Multipoint-to-Multipoint Ethernet (VPLS)</ServiceType>
        <Signaling>LDP</Signaling>
        <Action>Provisioning</Action>
        <ServiceEndPointGroup>
          <DeviceInfo>
            <NA key="558232" uri="/api/space/nsas/device-roles/pe-devices/558232"
href="/api/space/nsas/device-roles/pe-devices/558232">
              <DeviceName>embassy</DeviceName>
              <DeviceID>558232</DeviceID>
            </NA>
          </DeviceInfo>
          <ServiceEndPoint>
            <InterfaceName>ge-1/1/1</InterfaceName>
            <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSLDPEndPointConfigParameterOrderType">
              <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>

              <UNIDescription>N/A</UNIDescription>
              <VlanId>1</VlanId>
              <MTU>1522</MTU>
              <Bandwidth unit="Mbps">10</Bandwidth>
              <CustomerVlanId>4</CustomerVlanId>
              <MACLearning>true</MACLearning>
              <InterfaceMACLimit>1024</InterfaceMACLimit>
              <MACStatistics>false</MACStatistics>
              <MACTableSize>5120</MACTableSize>
              <OuterTPID>None</OuterTPID>
              <InnerTPID>None</InnerTPID>

```

```

    <UnitId>1</UnitId>
  </ServiceEndpointConfiguration>
  <ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="557176" uri="/api/space/nsas/device-roles/pe-devices/557176"
href="/api/space/nsas/device-roles/pe-devices/557176">
      <DeviceName>junos-mx80-1-space</DeviceName>
      <DeviceID>557176</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-1/0/4</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSLDPEndPointConfigParameterOrderType">
      <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>

      <UNIDescription>N/A</UNIDescription>
      <VlanId>1</VlanId>
      <MTU>1522</MTU>
      <Bandwidth unit="Mbps">10</Bandwidth>
      <CustomerVlanId>4</CustomerVlanId>
      <MACLearning>true</MACLearning>
      <InterfaceMACLimit>1024</InterfaceMACLimit>
      <MACStatistics>>false</MACStatistics>
      <MACTableSize>5120</MACTableSize>
      <OuterTPID>None</OuterTPID>
      <InnerTPID>None</InnerTPID>
      <UnitId>1</UnitId>
    </ServiceEndpointConfiguration>
  <ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
  <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterOrderType">
    <TrafficType>Transport single vlan</TrafficType>
    <VLANNormalization>Normalize to None</VLANNormalization>
    <VPLSId>2147467288</VPLSId>
  </ServiceOrderParameter>

```

```
<AutoDiscovery>false</AutoDiscovery>
<BurstPeriod>35</BurstPeriod>
</ServiceOrderParameter>
<Reference>
  <Customer uri="/api/space/nsas/customer-management/customers/558229"
href="/api/space/nsas/customer-management/customers/558229" key="558229"/>
  <ServiceDefinition>
    <ServiceDefinitionID
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/884934"
href="/api/space/nsas/elan-vpls/service-management/service-definitions/884934"
key="884934"/>
    </ServiceDefinition>
    <Service uri="/api/space/nsas/elan-vpls/service-management/services/884983"
href="/api/space/nsas/elan-vpls/service-management/services/884983"
key="884983"/>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Get an E-LAN LDP Service Order By Order ID

This request is used to retrieve the details of a particular E-LAN LDP service order based on the service order ID.

| | |
|-------------|---|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/<serviceOrderId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml application/vnd.net.juniper.space.service-management.service-order+xml;version=2; |
| Produces | Collects the details of a specific E-LAN LDP service order. |

Output (Version 1)

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder key="1015896"
uri="/api/space/nsas/elan-vpls/service-management/service-orders/1015896"
href="/api/space/nsas/elan-vpls/service-management/service-orders/1015896">
      <Common>
        <Name>SampleScenarioSO</Name>
        <Identity>1015896</Identity>
        <State>Invalid</State>
        <CreatedDate>2014-07-08T18:05:54.000+05:30</CreatedDate>
        <LastUpdatedDate>2014-07-08T18:05:53.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>Multipoint-to-Multipoint Ethernet (VPLS)</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="1049756"
uri="/api/space/nsas/device-roles/pe-devices/1049756"
href="/api/space/nsas/device-roles/pe-devices/1049756">
            <DeviceName>junos-space3</DeviceName>
            <DeviceID>1049756</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/1/6</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSLDPEndPointConfigParameterOrderType">
            <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
            <UNIDescription>N/A</UNIDescription>
            <VlanId>12</VlanId>
            <MTU>1522</MTU>
            <MACLearning>true</MACLearning>
            <InterfaceMACLimit>1024</InterfaceMACLimit>
            <MACStatistics>false</MACStatistics>
            <MACTableSize>5120</MACTableSize>
            <OuterTPID>None</OuterTPID>

```

```

        <UnitId>12</UnitId>
    </ServiceEndpointConfiguration>
    <ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA key="1049735"
uri="/api/space/nsas/device-roles/pe-devices/1049735"
href="/api/space/nsas/device-roles/pe-devices/1049735">
            <DeviceName>junos-space5</DeviceName>
            <DeviceID>1049735</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/1/5</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSLDPEndPointConfigParameterOrderType">

<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
        <UNIDescription>N/A</UNIDescription>
        <VlanId>11</VlanId>
        <MTU>1522</MTU>
        <MACLearning>true</MACLearning>
        <InterfaceMACLimit>1024</InterfaceMACLimit>
        <MACStatistics>false</MACStatistics>
        <MACTableSize>5120</MACTableSize>
        <OuterTPID>None</OuterTPID>
        <UnitId>11</UnitId>
    </ServiceEndpointConfiguration>
    <ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterOrderType">
    <TrafficType>Transport single vlan</TrafficType>
    <VLANNormalization>Normalize to QinQ</VLANNormalization>
    <QinQVLANOuterTag>1</QinQVLANOuterTag>
    <QinQVLANInnerTag>100</QinQVLANInnerTag>
    <VPLSId>2147467334</VPLSId>

```

```

        <AutoDiscovery>false</AutoDiscovery>
    </ServiceOrderParameter>
    <Reference>
        <Customer uri="/api/space/nsas/customer-management/customers/1048781"
href="/api/space/nsas/customer-management/customers/1048781" key="1048781"/>

        <ServiceDefinition>
            <ServiceDefinitionID
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/1015860"

href="/api/space/nsas/elan-vpls/service-management/service-definitions/1015860"
key="1015860"/>
            </ServiceDefinition>
        </Reference>
    </ServiceOrder>
</ServiceResource>
</Data>

```

Output (Version 2)

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
href="/api/space/nsas/elan-vpls/service-management/service-orders/1376378"
uri="/api/space/nsas/elan-vpls/service-management/service-orders/1376378"
key="1376378">
      <Common>
        <Name>VPLS_FM_LDP</Name>
        <Identity>1376378</Identity>
        <State>Validated</State>
        <Comments>
        </Comments>
        <CreatedDate>2012-12-14T23:01:33.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-12-14T23:01:33.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
    </ServiceOrder>
  </ServiceResource>
</Data>

```

```

    </Common>
    <ServiceType>Multipoint-to-Multipoint Ethernet (VPLS)</ServiceType>
    <Signaling>LDP</Signaling>
    <Action>Provisioning</Action>
    <ServiceEndPointGroup>
    <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/721020"
uri="/api/space/nsas/device-roles/pe-devices/721020" key="721020">
    <DeviceName>junos-mx80-2-space</DeviceName>
    <DeviceID>721020</DeviceID>
    </NA>
    </DeviceInfo>
    <ServiceEndPoint>
    <InterfaceName>ge-1/0/9</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSLDPEndPointConfigParameterOrderType">
    <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>

    <UNIDescription>N/A</UNIDescription>
    <VlanId>2</VlanId>
    <MTU>1522</MTU>
    <MACLearning>true</MACLearning>
    <InterfaceMACLimit>1024</InterfaceMACLimit>
    <MACStatistics>false</MACStatistics>
    <MACTableSize>5120</MACTableSize>
    </ServiceEndpointConfiguration>
    </ServiceEndPoint>
    </ServiceEndPointGroup>
    <ServiceEndPointGroup>
    <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/720976"
uri="/api/space/nsas/device-roles/pe-devices/720976" key="720976">
    <DeviceName>junos-mx80-1-space</DeviceName>
    <DeviceID>720976</DeviceID>
    </NA>
    </DeviceInfo>
    <ServiceEndPoint>
    <InterfaceName>ge-1/1/1</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSLDPEndPointConfigParameterOrderType">

```

```

<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>

<UNIDescription>N/A</UNIDescription>
<VlanId>2</VlanId>
<MTU>1522</MTU>
<MACLearning>true</MACLearning>
<InterfaceMACLimit>1024</InterfaceMACLimit>
<MACStatistics>false</MACStatistics>
<MACTableSize>5120</MACTableSize>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterOrderType">
  <TrafficType>Transport single vlan</TrafficType>
  <RouteTarget>69:1444102145</RouteTarget>
  <VLANNormalization>Normalize All</VLANNormalization>
  <VPNId>12:2</VPNId>
</ServiceOrderParameter>
<Reference>
  <Customer key="720896"
href="/api/space/nsas/customer-management/customers/720896"
uri="/api/space/nsas/customer-management/customers/720896"/>
  <ServiceDefinition>
    <ServiceDefinitionID key="1376314"
href="/api/space/nsas/service-management/service-definitions/1376314"
uri="/api/space/nsas/service-management/service-definitions/1376314"/>
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

GET an E-LAN Service Order with evpn as the Instance Type

This request is used to retrieve the details of a particular E-LAN service order with evpn as the instance type.

| | |
|-----|--|
| URL | /api/space/nsas/elan-vpls/service-management/service-orders/paging/<so id> |
|-----|--|

| | |
|--------------|--|
| Sample URL | https://192.0.2.10:8443/api/space/nsas/elan-vpls/service-management/service-orders/paging/917504 |
| HTTP Method | GET |
| Accept Type | application/vnd.net.juniper.space.service-management.service-order+xml;version=2; |
| Content Type | application/vnd.net.juniper.space.service-management.service-order+xml;version=2; charset=UTF-8; |

Response

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder key="917504"
uri=""/api/space/nsas/elan-vpls/service-management/service-orders/917504"
href=""/api/space/nsas/elan-vpls/service-management/service-orders/917504">
      <Common>
        <Name>testEVPN</Name>
        <Identity>917504</Identity>
        <State>Validated</State>
        <ScheduledState>Validated</ScheduledState>
        <CreatedDate>2018-01-08T10:58:53.000+05:30</CreatedDate>
        <LastUpdatedDate>2018-01-08T10:58:52.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
        <InstanceType>evpn</InstanceType>
        <Protocol>evpn</Protocol>
      </Common>
      <ServiceType>Multipoint-to-Multipoint Ethernet (VPLS)</ServiceType>
      <JobIdsList>3407879</JobIdsList>
      <Signaling>BGP</Signaling>
      <Action>Provisioning</Action>
      <endpointcount>2</endpointcount>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="6" uri=""/api/space/nsas/device-roles/pe-devices/6"
href=""/api/space/nsas/device-roles/pe-devices/6">
            <DeviceName>cuttack</DeviceName>
            <DeviceID>6</DeviceID>
          </NA>
        </DeviceInfo>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>
</Data>
```

```

        <ServiceEndPoint>
            <InterfaceName>ge-2/1/4</InterfaceName>
            <InterfaceStatus>down</InterfaceStatus>
            <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">

<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
            <EthernetOption>dot1q</EthernetOption>
            <UNIDescription>N/A</UNIDescription>
            <VlanId>1</VlanId>
            <MTU>1522</MTU>
            <Bandwidth unit="Mbps">10</Bandwidth>
            <MACLearning>false</MACLearning>
            <InterfaceMACLimit>1024</InterfaceMACLimit>
            <MACStatistics>false</MACStatistics>
            <MACTableSize>5120</MACTableSize>
            <OuterTPID>None</OuterTPID>
            <UnitId>1</UnitId>
            <CFMIntfEnabled>false</CFMIntfEnabled>
            <Esi>00:00:00:1A:9A:00:00:00:00:5B</Esi>
        </ServiceEndpointConfiguration>
        <ServiceTemplates />
        <OppType>ADD</OppType>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA key="6" uri="" /api/space/nsas/device-roles/pe-devices/6"
href="" /api/space/nsas/device-roles/pe-devices/6">
            <DeviceName>cuttack</DeviceName>
            <DeviceID>6</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-2/1/7</InterfaceName>
        <InterfaceStatus>down</InterfaceStatus>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">

<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
            <EthernetOption>dot1q</EthernetOption>
            <UNIDescription>N/A</UNIDescription>

```

```

        <VlanId>1</VlanId>
        <MTU>1522</MTU>
        <Bandwidth unit="Mbps">10</Bandwidth>
        <MACLearning>false</MACLearning>
        <InterfaceMACLimit>1024</InterfaceMACLimit>
        <MACStatistics>false</MACStatistics>
        <MACTableSize>5120</MACTableSize>
        <OuterTPID>None</OuterTPID>
        <UnitId>1</UnitId>
        <CFMIntfEnabled>false</CFMIntfEnabled>
        <Esi>00:00:00:1A:9A:00:00:00:00:5C</Esi>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
    <OppType>ADD</OppType>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterOrderType">
    <TrafficType>Transport single vlan</TrafficType>
    <RouteTarget>6810:20</RouteTarget>
    <VLANNormalization>Normalize to Dot1q</VLANNormalization>
    <Dot1QVLANTag>12</Dot1QVLANTag>
    <RouteDistinguisher>6810:20</RouteDistinguisher>
    <MTUFactor>10</MTUFactor>
</ServiceOrderParameter>
<Reference>
    <Customer uri="/api/space/nsas/customer-management/customers/32769"
href="/api/space/nsas/customer-management/customers/32769" key="32769">
        <CustomerName>Aricent</CustomerName>
    </Customer>
    <ServiceDefinition>
        <ServiceDefinitionID
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/163840"
href="/api/space/nsas/elan-vpls/service-management/service-definitions/163840"
key="163840">
            <ServiceDefinitionName>EvpnEtree</ServiceDefinitionName>
        </ServiceDefinitionID>
    </ServiceDefinition>
    <Service
uri="/api/space/nsas/elan-vpls/service-management/services/491520"
href="/api/space/nsas/elan-vpls/service-management/services/491520" key="491520"
/>
</Reference>

```

```

    </ServiceOrder>
  </ServiceResource>
</Data>"

```

GET an E-LAN Service Order with evpn e-tree as the Protocol Type

This request is used to retrieve the details of a particular E-LAN service order with evpn e-tree as the protocol type.

| | |
|--------------|--|
| URL | /api/space/nsas/elan-vpls/service-management/service-orders/paging/<so id> |
| Sample URL | https://192.0.2.10:8443/api/space/nsas/elan-vpls/service-management/service-orders/paging/917504 |
| HTTP Method | GET |
| Accept Type | application/vnd.net.juniper.space.service-management.service-order+xml;version=2; |
| Content Type | application/vnd.net.juniper.space.service-management.service-order+xml;version=2;charset=UTF-8; |

Response

```

"<?xml version=""1.0"" encoding=""UTF-8"" standalone=""yes""?>
<Data xmlns=""services.schema.networkapi.jmp.juniper.net"">
  <ServiceResource>
    <ServiceOrder key=""917504""
uri=""/api/space/nsas/elan-vpls/service-management/service-orders/917504""
href=""/api/space/nsas/elan-vpls/service-management/service-orders/917504"">
      <Common>
        <Name>testEVPN</Name>
        <Identity>917504</Identity>
        <State>Validated</State>
        <ScheduledState>Validated</ScheduledState>
        <CreatedDate>2018-01-08T10:58:53.000+05:30</CreatedDate>
        <LastUpdatedDate>2018-01-08T10:58:52.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
        <InstanceType>evpn</InstanceType>
        <Protocol>evpn-etree</Protocol>
      </Common>
    </ServiceOrder>
  </ServiceResource>
</Data>

```

```

        <ServiceType>Multipoint-to-Multipoint Ethernet (VPLS)</ServiceType>
        <JobIdsList>3407879</JobIdsList>
        <Signaling>BGP</Signaling>
        <Action>Provisioning</Action>
        <endpointcount>2</endpointcount>
        <ServiceEndPointGroup>
            <DeviceInfo>
                <NA key="6" uri="/api/space/nsas/device-roles/pe-devices/6"
href="/api/space/nsas/device-roles/pe-devices/6">
                    <DeviceName>cuttack</DeviceName>
                    <DeviceID>6</DeviceID>
                </NA>
            </DeviceInfo>
            <ServiceEndPoint>
                <InterfaceName>ge-2/1/4</InterfaceName>
                <InterfaceStatus>down</InterfaceStatus>
                <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">

<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
                    <EthernetOption>dot1q</EthernetOption>
                    <UNIDescription>N/A</UNIDescription>
                    <VlanId>1</VlanId>
                    <MTU>1522</MTU>
                    <Bandwidth unit="Mbps">10</Bandwidth>
                    <MACLearning>false</MACLearning>
                    <InterfaceMACLimit>1024</InterfaceMACLimit>
                    <MACStatistics>false</MACStatistics>
                    <MACTableSize>5120</MACTableSize>
                    <OuterTPID>None</OuterTPID>
                    <UnitId>1</UnitId>
                    <CFMIntfEnabled>false</CFMIntfEnabled>
                    <EtreeRole>root</EtreeRole>
                    <Esi>00:00:00:1A:9A:00:00:00:00:5B</Esi>
                </ServiceEndpointConfiguration>
                <ServiceTemplates />
                <OppType>ADD</OppType>
            </ServiceEndPoint>
        </ServiceEndPointGroup>
        <ServiceEndPointGroup>
            <DeviceInfo>
                <NA key="6" uri="/api/space/nsas/device-roles/pe-devices/6"
href="/api/space/nsas/device-roles/pe-devices/6">

```

```

        <DeviceName>cuttack</DeviceName>
        <DeviceID>6</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge-2/1/7</InterfaceName>
    <InterfaceStatus>down</InterfaceStatus>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">

<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
    <EthernetOption>dot1q</EthernetOption>
    <UNIDescription>N/A</UNIDescription>
    <VlanId>1</VlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Mbps">10</Bandwidth>
    <MACLearning>false</MACLearning>
    <InterfaceMACLimit>1024</InterfaceMACLimit>
    <MACStatistics>false</MACStatistics>
    <MACTableSize>5120</MACTableSize>
    <OuterTPID>None</OuterTPID>
    <UnitId>1</UnitId>
    <CFMIntfEnabled>false</CFMIntfEnabled>
    <EtreeRole>leaf</EtreeRole>
    <Esi>00:00:00:1A:9A:00:00:00:00:5C</Esi>
</ServiceEndpointConfiguration>
    <ServiceTemplates />
    <OppType>ADD</OppType>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterOrderType">
    <TrafficType>Transport single vlan</TrafficType>
    <RouteTarget>6810:20</RouteTarget>
    <VLANNormalization>Normalize to Dot1q</VLANNormalization>
    <Dot1QVLANTag>12</Dot1QVLANTag>
    <RouteDistinguisher>6810:20</RouteDistinguisher>
    <MTUFactor>10</MTUFactor>
</ServiceOrderParameter>
<Reference>
    <Customer uri="/api/space/nsas/customer-management/customers/32769"
href="/api/space/nsas/customer-management/customers/32769" key="32769">

```

```

        <CustomerName>Aricent</CustomerName>
    </Customer>
    <ServiceDefinition>
        <ServiceDefinitionID
uri="" /api/space/nsas/elan-vpls/service-management/service-definitions/163840""
href="" /api/space/nsas/elan-vpls/service-management/service-definitions/163840""
key=""163840"">
            <ServiceDefinitionName>EvpnEtree</ServiceDefinitionName>
        </ServiceDefinitionID>
    </ServiceDefinition>
    <Service
uri="" /api/space/nsas/elan-vpls/service-management/services/491520""
href="" /api/space/nsas/elan-vpls/service-management/services/491520"" key=""491520""
/>
        </Reference>
    </ServiceOrder>
</ServiceResource>
</Data>"

```

Create an E-LAN BGP Service Order (Version 1)

This request is used to create an E-LAN BGP service order.

| | |
|--------------|---|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml |
| Consumes | <p>application/vnd.net.juniper.space.service-management.service-order-status+xml</p> <p>For the various options in creating ServiceOrder the options must be specified in the Action Element inside OperationSpecificData. The following values can be entered:</p> <ul style="list-style-type: none"> ● Save (Create and only Save a SO) ● SaveAndValidate (Create, Save, and Validate a SO) Default value when no Custom action is specified. ● SaveAndDeployNow (Create, Save, and Deploy a SO) ● SaveAndDeployLater (Create, Save, and Deploy Later a SO) |

Produces

Creates an E-LAN BGP service order.

Input (VLAN Normalization: Normalize to QinQ tags for Full-Mesh VPLS)**Sample XML Input**

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>Test_VPLS_QinQ_AV_NNorm_006</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>embassy</DeviceName>
            <DeviceID>852026</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/0/1</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="VPLSBGPEndPointConfigParameterOrderType">

            <AutoPickVlanId>false</AutoPickVlanId>

                                <VlanId>231</VlanId>

            <MTU>1522</MTU>
            <MACLearning>true</MACLearning>
            <InterfaceMACLimit>1024</InterfaceMACLimit>
            <MACStatistics>false</MACStatistics>
            <MACTableSize>5120</MACTableSize>
            <Bandwidth unit="Mbps">10</Bandwidth>
          </ServiceEndpointConfiguration>
          <Description></Description>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceEndPointGroup>
    <DeviceInfo>
      <NA>
        <DeviceName>kochin</DeviceName>
      </NA>
    </DeviceInfo>
  </ServiceOrder>
</ServiceResource>
</Data>

```

```

        <DeviceID>851971</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge-0/0/4</InterfaceName>
    <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="VPLSBGPPEndPointConfigParameterOrderType">

        <AutoPickVlanId>true</AutoPickVlanId>
                                <MTU>1522</MTU>
        <MACLearning>true</MACLearning>
        <InterfaceMACLimit>1024</InterfaceMACLimit>
        <MACStatistics>false</MACStatistics>
        <MACTableSize>5120</MACTableSize>
        <Bandwidth unit="Mbps">10</Bandwidth>
    </ServiceEndpointConfiguration>
    <Description></Description>
</ServiceEndPoint>
</ServiceEndPointGroup>
<Reference>
    <Customer key="425985" />
    <ServiceDefinition>
        <ServiceDefinitionID key="262144" />
    </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
    <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="ServiceOrderCustomActionType">
        <Action>SaveAndDeployNow</Action>

    <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
    </CustomAction>
</Data>

```

Input (VLAN Normalization: Normalize to QinQ tags for Hub-and-Spoke VPLS)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>Test_VPLS_HS_QinQ_AV_004</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>jaipur</DeviceName>
            <DeviceID>1802245</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/2</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="VPLSHSBGP endPointConfigParameterOrderType">
            <AutoPickVlanId>true</AutoPickVlanId>
            <Hub>false</Hub>
            <InterfaceMACLimit>1024</InterfaceMACLimit>
            <MACTableSize>5124</MACTableSize>
            <Bandwidth unit="Mbps">12</Bandwidth>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>kochin</DeviceName>
            <DeviceID>851971</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/2</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="VPLSHSBGP endPointConfigParameterOrderType">
            <AutoPickVlanId>true</AutoPickVlanId>
            <Hub>true</Hub>
            <MTU>1524</MTU>
            <MACLearning>false</MACLearning>

```

```

        <InterfaceMACLimit>1024</InterfaceMACLimit>
        <MACStatistics>true</MACStatistics>
        <MACTableSize>5120</MACTableSize>
        <Bandwidth unit="Mbps">10</Bandwidth>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<Reference>
    <Customer key="425985" />
    <ServiceDefinition>
        <ServiceDefinitionID key="262309" />
    </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndDeployNow</Action>

<ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
    </CustomAction>
</Data>

```

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
        <Identity>
            <Type>ServiceOrder</Type>
            <Value>2752560</Value>
        </Identity>
        <Job>
            <ID>950303</ID>
            <Status>INPROGRESS</Status>
        </Job>
        <Code>200</Code>
        <Message>Service Order Created Successfully and Deployment is in

```

```
Progress. Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Create an E-LAN BGP Service Order (Version 2)

This request is used to create an E-LAN BGP service order.

| | |
|--------------|--|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-order+xml;version=2;charset=UTF-8 |
| Consumes | <div>application/vnd.net.juniper.space.service-management. service-order-status+xml;version=2</div> <div>For the various options in creating ServiceOrder the options must be specified in the Action Element inside OperationSpecificData. The following values can be entered:</div> <div><ul style="list-style-type: none">• Save (Create and only Save a SO)• SaveAndValidate (Create, Save, and Validate a SO) Default value when no Custom action is specified.• SaveAndDeployNow (Create, Save, and Deploy a SO)• SaveAndDeployLater (Create, Save, and Deploy Later a SO)</div> |
| Produces | Creates an E-LAN BGP service order. |

Input

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>VPLSSO_BGP_TEST</Name>
      </Common>
      <ServiceType>Multipoint-to-Multipoint Ethernet (VPLS)</ServiceType>
      <Signaling>BGP</Signaling>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="525675" uri="/api/space/nsas/device-roles/pe-devices/525675"
            href="/api/space/nsas/device-roles/pe-devices/525675">
            <DeviceName>fortius-f2100-a</DeviceName>
            <DeviceID>525675</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/2/1</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="VPLSBGPEndPointConfigParameterOrderType">
            <UNIDescription>N/A</UNIDescription>
            <VlanId>2</VlanId>
            <MTU>1522</MTU>
            <Bandwidth unit="Mbps">10</Bandwidth>
            <UnitId>42</UnitId>
          </ServiceEndpointConfiguration>
          <ServiceTemplates />
        </ServiceEndPoint>
      </ServiceEndPointGroup>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="525658" uri="/api/space/nsas/device-roles/pe-devices/525658"
            href="/api/space/nsas/device-roles/pe-devices/525658">
            <DeviceName>fortius-f2100-b</DeviceName>
            <DeviceID>525658</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/1/3</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

```

```

xsi:type="VPLSBGPPEndPointConfigParameterOrderType">
  <UNIDescription>N/A</UNIDescription>
  <VlanId>1</VlanId>
  <MTU>1522</MTU>
  <Bandwidth unit="Mbps">10</Bandwidth>
  <UnitId>41</UnitId>
</ServiceEndpointConfiguration>
<ServiceTemplates />
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="VPLSConfigParameterOrderType">
    <RouteTarget>69:1454096390</RouteTarget>
    <MTUFactor>10</MTUFactor>
  </ServiceOrderParameter>
  <Reference>
    <Customer uri="/api/space/nsas/customer-management/customers/524831"
      href="/api/space/nsas/customer-management/customers/524831" key="524831"
    />
    <ServiceDefinition>
      <ServiceDefinitionID

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/360448"

href="/api/space/nsas/elan-vpls/service-management/service-definitions/360448"

      key="360448" />
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>1015920</Value>
    </Identity>
    <Job>
      <ID>295138</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
  </Status>
</Data>
```

Create an E-LAN BGP Service Order (with instance types and multihoming)

This request is used to create an E-LAN BGP service order.

| | |
|--------------|-------------------------------------|
| URI | api/space/nsas/csd/service-order |
| HTTP Method | POST |
| Content-Type | application/xml |
| Consumes | aapplication/xml |
| Produces | Creates an E-LAN BGP service order. |

Input

Sample XML Input

```

<Data
  xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>test</Name>
        <CustomerName>JuniperNetworks</CustomerName>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceEndPointGroup>
        <DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
        <DeviceInfo>
          <NA>
            <DeviceName>VSX3re</DeviceName>
            <DeviceID>5</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/6</InterfaceName>
          <ETreeRole>root</ETreeRole>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="VPLSBGPEndPointConfigParameterOrderType">
            <Hub>false</Hub>
            <UnitId>111</UnitId>
            <VlanIdList>111</VlanIdList>
            <MTU>1522</MTU>
            <Bandwidth>10</Bandwidth>
            <MACLearning>true</MACLearning>
            <InterfaceMACLimit>1024</InterfaceMACLimit>
            <MACStatistics>true</MACStatistics>
            <MACTableSize>5120</MACTableSize>
            <EthernetOption>dot1q</EthernetOption>
            <OuterTPID>0x88a8</OuterTPID>
            <MHRole>single-active</MHRole>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
        <SecondaryDevices>
          <DeviceDetails>
            <DeviceID>7</DeviceID>
            <DeviceName>VSX4re</DeviceName>
            <InterfaceName>ge-0/0/8.113</InterfaceName>
          </DeviceDetails>
        </SecondaryDevices>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>
</Data>

```

```

        </DeviceDetails>
    </SecondaryDevices>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
    <DeviceInfo>
        <NA>
            <DeviceName>VSX4re</DeviceName>
            <DeviceID>7</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/0/8</InterfaceName>
        <ETreeRole>root</ETreeRole>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPPEndPointConfigParameterOrderType">
            <Hub>false</Hub>
            <UnitId>113</UnitId>
            <VlanIdList>113</VlanIdList>
            <MTU>1522</MTU>
            <Bandwidth>10</Bandwidth>
            <MACLearning>true</MACLearning>
            <InterfaceMACLimit>1024</InterfaceMACLimit>
            <MACStatistics>true</MACStatistics>
            <MACTableSize>5120</MACTableSize>
            <EthernetOption>dot1q</EthernetOption>
            <OuterTPID>0x88a8</OuterTPID>
            <MHRole>single-active</MHRole>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
    <SecondaryDevices>
        <DeviceDetails>
            <DeviceID>5</DeviceID>
            <DeviceName>VSX3re</DeviceName>
            <InterfaceName>ge-0/0/6.111</InterfaceName>
        </DeviceDetails>
    </SecondaryDevices>
</ServiceEndPointGroup>
<ServiceOrderParameter
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterOrderType">

```

```
<HubRouteTarget_AutoPick></HubRouteTarget_AutoPick>
<SpokeRouteTarget_AutoPick></SpokeRouteTarget_AutoPick>
<RouteDistinguisher AutoPick = "true"></RouteDistinguisher>
<RouteTarget AutoPick ="true"></RouteTarget>
<MTUFactor>10</MTUFactor>
</ServiceOrderParameter>
<Reference>
  <Customer key="1"/>
  <ServiceDefinition>
    <ServiceDefinitionID key="27"/>
  </ServiceDefinition>
  <Service key="undefined"/>
</Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="ServiceOrderCustomActionType">
  <Action>SaveAndValidate</Action>
</CustomAction>
</Data>
```

Create an E-LAN LDP Service Order (Version 1)

This request is used to create an E-LAN LDP service order.

| | |
|--------------|---|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml |
| Produces | Creates an E-LAN LDP service order. |

Input (Full-Mesh IP)

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>VPLSLDPSO3</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junos-mx80-1-space</DeviceName>
            <DeviceID>720976</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/0/8</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="VPLSLDPEndPointConfigParameterOrderType">

            </ServiceEndpointConfiguration>
          </ServiceEndPoint>
        </ServiceEndPointGroup>
        <ServiceEndPointGroup>
          <DeviceInfo>
            <NA>
              <DeviceName>junos-mx80-2-space</DeviceName>
              <DeviceID>721020</DeviceID>
            </NA>
          </DeviceInfo>
          <ServiceEndPoint>
            <InterfaceName>ge-1/0/6</InterfaceName>
            <ServiceEndpointConfiguration
              xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
              xsi:type="VPLSLDPEndPointConfigParameterOrderType">

              </ServiceEndpointConfiguration>
            </ServiceEndPoint>
          </ServiceEndPointGroup>
          <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

```

```

        xsi:type="VPLSConfigParameterOrderType">
                                                    <Dot1QVLANTag>
309 </Dot1QVLANTag>
        </ServiceOrderParameter>

        <Reference>
            <Customer key="720896"/>
            <ServiceDefinition>
                <ServiceDefinitionID key="1376402"/>
            </ServiceDefinition>
        </Reference>
    </ServiceOrder>
</ServiceResource>
</Data>

```

Output (Full-Mesh IP)

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
    <Data xmlns="services.schema.networkapi.jmp.juniper.net">
        <Status>
            <Identity>
                <Type>ServiceOrder</Type>
                <Value>1376427</Value>
            </Identity>
            <Job>
                <ID>426219</ID>
                <Status>INPROGRESS</Status>
            </Job>
            <Code>200</Code>
            <Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
        </Status>
    </Data>

```

Input (Hub-and-Spoke IP)

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>VPLS-LDP-HS-API</Name>

      </Common>
      <ServiceType>Point-to-Multipoint Ethernet (VPLS)</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>exora</DeviceName>
            <DeviceID>4554812</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/0</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="VPLSHSLDP endPointConfigParameterOrderType">

            <Hub>false</Hub>
            <NeighbourHub>embassy</NeighbourHub>
          </ServiceEndpointConfiguration>
          <ServiceTemplates />
        </ServiceEndPoint>
      </ServiceEndPointGroup>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>embassy</DeviceName>
            <DeviceID>4554822</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>xe-0/0/0</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
```

```

xsi:type="VPLSHSLDPEndPointConfigParameterOrderType">
  <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>

  <Hub>true</Hub>
</ServiceEndpointConfiguration>
<ServiceTemplates />
</ServiceEndPoint>
</ServiceEndPointGroup>

<Reference>
  <Customer key="524361" />
  <ServiceDefinition>
    <ServiceDefinitionID key="4784141" />
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output (Hub-and-Spoke IP)

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
      <Identity>
        <Type>ServiceOrder</Type>
        <Value>1376433</Value>
      </Identity>
      <Job>
        <ID>426256</ID>
        <Status>INPROGRESS</Status>
      </Job>
      <Code>200</Code>
      <Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
    </Status>
  </Data>

```

```
</Data>
```

Create an E-LAN LDP Service Order (Version 2)

This request is used to create an E-LAN LDP service order.

| | |
|--------------|--|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-order+xml;version=2;charset=UTF-8 |
| Consumes | <div>application/vnd.net.juniper.space.service-management. service-order-status+xml;version=2</div> <div>For the various options in creating ServiceOrder the options must be specified in the Action Element inside OperationSpecificData. The following values can be entered:</div> <div><ul style="list-style-type: none">• Save (Create and only Save a SO)• SaveAndValidate (Create, Save, and Validate a SO) Default value when no Custom action is specified.• SaveAndDeployNow (Create, Save, and Deploy a SO)• SaveAndDeployLater (Create, Save, and Deploy Later a SO)</div> |
| Produces | Creates an E-LAN LDP service order. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">  
  <ServiceResource>  
    <ServiceOrder key="1015896">
```

```

uri="/api/space/nsas/elan-vpls/service-management/service-orders/1015896"
href="/api/space/nsas/elan-vpls/service-management/service-orders/1015896">
<Common>
<Name>SampleScenarioSO123</Name>

</Common>
<ServiceType>Multipoint-to-Multipoint Ethernet (VPLS)</ServiceType>
<Signaling>LDP</Signaling>
<Action>Provisioning</Action>
<ServiceEndPointGroup>
<DeviceInfo>
<NA key="1049756" uri="/api/space/nsas/device-roles/pe-devices/1049756"
href="/api/space/nsas/device-roles/pe-devices/1049756">
<DeviceName>junos-space3</DeviceName>
<DeviceID>1049756</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge-0/1/6</InterfaceName>
<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSLDPEndPointConfigParameterOrderType">

<UNIDescription>N/A</UNIDescription>
<VlanId>15</VlanId>

<UnitId>12</UnitId>
</ServiceEndpointConfiguration>
<ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DeviceInfo>
<NA key="1049735" uri="/api/space/nsas/device-roles/pe-devices/1049735"
href="/api/space/nsas/device-roles/pe-devices/1049735">
<DeviceName>junos-space5</DeviceName>
<DeviceID>1049735</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge-0/1/5</InterfaceName>

```

```

<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSLDPEndPointConfigParameterOrderType">

<UNIDescription>N/A</UNIDescription>
<VlanId>13</VlanId>

<UnitId>11</UnitId>
</ServiceEndpointConfiguration>
<ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterOrderType">

<QinQVLANOuterTag>1</QinQVLANOuterTag>
<QinQVLANInnerTag>100</QinQVLANInnerTag>

</ServiceOrderParameter>
<Reference>
<Customer uri="/api/space/nsas/customer-management/customers/1048781"
href="/api/space/nsas/customer-management/customers/1048781" key="1048781"/>
<ServiceDefinition>
<ServiceDefinitionID
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/1015860"

href="/api/space/nsas/elan-vpls/service-management/service-definitions/1015860"
key="1015860"/>
</ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>1015920</Value>
    </Identity>
    <Job>
      <ID>295138</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
  </Status>
</Data>
```

Create an E-LAN Service Order with evpn as the Instance Type

This request is used to create an E-LAN service order with evpn as the instance type.

| | |
|---------------|--|
| URL | /api/space/nsas/csd/service-order |
| Sample URL | https://192.0.2.10:8443/api/space/nsas/csd/service-order |
| HTTP Method | POST |
| Accept Header | application/xml |
| Content Type | application/xml |

Input

Sample XML Input

```

"<Data xmlns=""services.schema.networkapi.jmp.juniper.net"">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>VS_EVPN</Name>
        <CustomerName>Aricent</CustomerName>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceEndPointGroup>

<DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
      <DeviceInfo>
        <NA>
          <DeviceName>cuttack</DeviceName>
          <DeviceID>6</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-2/2/3</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi=""http://www.w3.org/2001/XMLSchema-instance""
xsi:type=""VPLSBGPEndPointConfigParameterOrderType"">
          <Hub>false</Hub>
          <AutoPickUnitId>true</AutoPickUnitId>
          <AutoPickVlanId>true</AutoPickVlanId>
        </ServiceEndpointConfiguration>
      </ServiceEndPoint>
    </ServiceEndPointGroup>
  </ServiceEndPointGroup>

<DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
      <DeviceInfo>
        <NA>
          <DeviceName>cuttack</DeviceName>
          <DeviceID>6</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-2/2/5</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi=""http://www.w3.org/2001/XMLSchema-instance""
xsi:type=""VPLSBGPEndPointConfigParameterOrderType"">

```

```

        <Hub>false</Hub>
        <AutoPickUnitId>true</AutoPickUnitId>
        <AutoPickVlanId>true</AutoPickVlanId>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterOrderType">
    <Dot1QVLANTag>213</Dot1QVLANTag>
    <HubRouteTarget_AutoPick></HubRouteTarget_AutoPick>
    <SpokeRouteTarget_AutoPick></SpokeRouteTarget_AutoPick>
    <RouteDistinguisher AutoPick="true"></RouteDistinguisher>
    <RouteTarget AutoPick="true"></RouteTarget>
</ServiceOrderParameter>
<Reference>
    <Customer key="32769" />
    <ServiceDefinition>
        <ServiceDefinitionID key="262144" />
    </ServiceDefinition>
    <Service key="undefined" />
</Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndValidate</Action>
</CustomAction>
</Data>

```

Create an E-LAN Service Order with evpn e-tree as the Protocol Type

This request is used to create an E-LAN service order with evpn e-tree as the protocol type.

| | |
|---------------|--|
| URL | /api/space/nsas/csd/service-order |
| Sample URL | https://192.0.2.10:8443/api/space/nsas/csd/service-order |
| HTTP Method | POST |
| Accept Header | application/xml |

Content Type

application/xml

Input**Sample XML Input**

```

"<Data xmlns=" "services.schema.networkapi.jmp.juniper.net" ">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>testEVPN</Name>
        <CustomerName>Aricent</CustomerName>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceEndPointGroup>

<DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
      <DeviceInfo>
        <NA>
          <DeviceName>cuttack</DeviceName>
          <DeviceID>6</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-2/1/4</InterfaceName>
        <ETreeRole>root</ETreeRole>
        <ServiceEndpointConfiguration
xmlns:xsi=" "http://www.w3.org/2001/XMLSchema-instance" "
xsi:type=" "VPLSBGPEndPointConfigParameterOrderType" ">
          <Hub>false</Hub>
          <AutoPickUnitId>true</AutoPickUnitId>
          <AutoPickVlanId>true</AutoPickVlanId>
        </ServiceEndpointConfiguration>
      </ServiceEndPoint>
    </ServiceEndPointGroup>
  <ServiceEndPointGroup>

<DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
      <DeviceInfo>
        <NA>
          <DeviceName>cuttack</DeviceName>
          <DeviceID>6</DeviceID>

```

```

        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-2/1/7</InterfaceName>
        <ETreeRole>leaf</ETreeRole>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">
            <Hub>false</Hub>
            <AutoPickUnitId>true</AutoPickUnitId>
            <AutoPickVlanId>true</AutoPickVlanId>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
    <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterOrderType">
        <Dot1QVLANTag>12</Dot1QVLANTag>
        <HubRouteTarget_AutoPick></HubRouteTarget_AutoPick>
        <SpokeRouteTarget_AutoPick></SpokeRouteTarget_AutoPick>
        <RouteDistinguisher AutoPick="true"></RouteDistinguisher>
        <RouteTarget AutoPick="true"></RouteTarget>
    </ServiceOrderParameter>
    <Reference>
        <Customer key="32769" />
        <ServiceDefinition>
            <ServiceDefinitionID key="163840" />
        </ServiceDefinition>
        <Service key="undefined" />
    </Reference>
</ServiceOrder>
</ServiceResource>
    <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
        <Action>SaveAndValidate</Action>
    </CustomAction>
</Data>

```

Output

Sample XML Output

```

"<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>917504</Value>
    </Identity>
    <Job>
      <ID>3407879</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
  </Status>
</Data>"

```

Create an E-LAN Service Order with virtual-switch as the Instance Type and VPLS as the Protocol Type

This request is used to create an E-LAN service order with virtual switch as the instance type and vpls as the protocol type.

| | |
|---------------|--|
| URL | /api/space/nsas/csd/service-order |
| Sample URL | https://192.0.2.10:8443/api/space/nsas/csd/service-order |
| HTTP Method | POST |
| Accept Header | application/xml |
| Content Type | application/xml |

Input

```

"<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>virtualSwitch_test</Name>

```

```

        <CustomerName>apple</CustomerName>
        <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceEndPointGroup>
        <DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>

        <DeviceInfo>
            <NA>
                <DeviceName>SG3re</DeviceName>
                <DeviceID>131076</DeviceID>
            </NA>
        </DeviceInfo>
        <ServiceEndPoint>
            <InterfaceName>ge-0/1/1</InterfaceName>
            <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">
                <Hub>false</Hub>
                <UnitId>34</UnitId>
                <VlanIdList>12,34-36,54</VlanIdList>
                <MTU>1522</MTU>
            </ServiceEndpointConfiguration>
        </ServiceEndPoint>
    </ServiceEndPointGroup>
    <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterOrderType">
        <HubRouteTarget_AutoPick></HubRouteTarget_AutoPick>
        <SpokeRouteTarget_AutoPick></SpokeRouteTarget_AutoPick>
        <RouteDistinguisher AutoPick="true"></RouteDistinguisher>
        <RouteTarget AutoPick="true"></RouteTarget>
    </ServiceOrderParameter>
    <Reference>
        <Customer key="1" />
        <ServiceDefinition>
            <ServiceDefinitionID key="163840" />
        </ServiceDefinition>
        <Service key="undefined" />
    </Reference>
</ServiceOrder>
</ServiceResource>
    <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
        <Action>SaveAndValidate</Action>

```

```
        </CustomAction>
    </Data> "
```

Response

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>1081348</Value>
    </Identity>
    <Job>
      <ID>4685870</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Order Created Successfully and Validation is in Progress.
Please check the status using the JOB ID.</Message>
  </Status>
</Data> "
```

Deploy, Validate, and Partially-Delete an E-LAN BGP Service Order

This request is used to deploy, validate, or partially delete a previously created E-LAN BGP service order.

| | |
|--------------|--|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml |

| | |
|----------|---|
| Consumes | <p>application/vnd.net.juniper.space.service-management.service-order-status+xml</p> <p>The options must be specified in the Action Element inside OperationSpecificData. The various options are as follows:</p> <ul style="list-style-type: none">• DeployNow (Deploy an already created SO)• DeployLater (Deploy Later an already created SO)• ValidateNow (Validate now an already created SO)• ValidateLater (Validate later an already created SO)• PartialDeleteNow (Delete the partially created configuration now)• PartialDeleteLater (Delete the partially created configuration Later) |
| Produces | <p>Deploys, validates or, partially-deletes a previously created E-LAN BGP service order.</p> |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="ServiceOrderCustomActionType">
    <Action>DeployNow</Action>

    <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
  </CustomAction>
</Data>
```

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
    </Identity>
  </Status>
</Data>
```

```
<Value>6553600</Value>
</Identity>
<Job>
  <ID>1998905</ID>
  <Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>The Service Order Deployment is in Progress. Please check the
  status using the JOB ID.</Message>
</Status>
</Data>
```

Delete an E-LAN BGP Service Order

This request is used to delete a previously configured E-LAN BGP service order.

| | |
|-------------|--|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/ <serviceOrder-id> |
| HTTP Method | DELETE |
| Consumes | application/vnd.netjuniper.space.service-management.service-order+xml |
| Produces | Deletes an E-LAN BGP service order. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>6553600</Value>
    </Identity>
    <Code>200</Code>
    <Message>Service order Deleted Successfully.</Message>
```

```
</Status>
</Data>
```

View the Pending Configuration of an E-LAN Service Order

This request is used to view the details of a E-LAN service order that are pending to be applied to a device.

| | |
|-------------|---|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/view-pendingorderconfiguration/<serviceOrder-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.pendingorder-config+xml |
| Produces | Displays the configuration details of a service order pending to be applied to a device. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data
  xmlns="services.schema.networkapi.jmp.juniper.net">
  <PendingOrderConfiguration>
    <PendingOrderConfigDeviceEnd>
      <DeviceName>junos-mx240-space</DeviceName>
      <Configuration>
        <configuration>
          <routing-instances>
            <instance>
              <name>Vpls_service</name>
              <instance-type>vpls</instance-type>
              <route-distinguisher>
                <rd-type>69:160563205</rd-type>
              </route-distinguisher>
            </instance>
          </routing-instances>
        </configuration>
      </Configuration>
    </PendingOrderConfigDeviceEnd>
  </PendingOrderConfiguration>
</Data>
```

```

        <vrf-target>
            <community>target:69:67174405</community>
        </vrf-target>
        <interface>
            <name>ge-0/2/6.2</name>
        </interface>
        <protocols>
            <vpls>
                <no-tunnel-services/>
                <mac-table-size>
                    <limit>5120</limit>
                </mac-table-size>
                <interface-mac-limit>
                    <limit>1024</limit>
                </interface-mac-limit>
                <no-mac-learning
operation="delete"/>
                <mac-statistics
operation="delete"/>
                <site>
                    <name>Site_1</name>
                    <site-identifier>1</site-identifier>

<site-preference>65535</site-preference>
                <interface>
                    <name>ge-0/2/6.2</name>
                </interface>
            </site>
        </vpls>
    </protocols>
</instance>
</routing-instances>
<firewall>
    <policer>
        <name>policer_in_ge-0/2/6_2</name>
        <if-exceeding>
            <bandwidth-limit>10000000</bandwidth-limit>
            <burst-size-limit>15220</burst-size-limit>
        </if-exceeding>
        <then>
            <discard/>

```

```

        </then>
    </policer>
    <family>
        <vpls>
            <filter>
                <name>filter_in_ge-0/2/6_2</name>
                <interface-specific/>
                <term>
                    <name>1</name>
                    <then>
                        <accept/>
                    </then>
                </term>
            </filter>
        </vpls>
    </family>
</firewall>
<interfaces>
    <interface>
        <name>ge-0/2/6</name>
        <flexible-vlan-tagging/>
        <mtu>1522</mtu>

        <encapsulation>flexible-ethernet-services</encapsulation>
        <unit>
            <name>2</name>
            <encapsulation>vlan-vpls</encapsulation>
            <family>
                <vpls>
                    <filter>
                        <input>filter_in_ge-0/2/6_2</input>

                    </filter>
                </vpls>
            </family>
            <vlan-tags>
                <outer>2</outer>
            </vlan-tags>
        </unit>
    </interface>

```



```

        </interface>
    </site>
</vpls>
</protocols>
</instance>
</routing-instances>
<firewall>
    <policer>
        <name>policer_in_ge-5/0/1_8</name>
        <if-exceeding>
            <bandwidth-limit>10000000</bandwidth-limit>
            <burst-size-limit>15220</burst-size-limit>
        </if-exceeding>
        <then>
            <discard/>
        </then>
    </policer>
    <family>
        <vpls>
            <filter>
                <name>filter_in_ge-5/0/1_8</name>
                <interface-specific/>
                <term>
                    <name>1</name>
                    <then>
                        <accept/>
                    </then>
                </term>
            </filter>
        </vpls>
    </family>
</firewall>
<interfaces>
    <interface>
        <name>ge-5/0/1</name>
        <flexible-vlan-tagging/>
        <mtu>1522</mtu>

<encapsulation>flexible-ethernet-services</encapsulation>
    <unit>

```

```

        <name>8</name>
        <encapsulation>vlan-vpls</encapsulation>
        <family>
            <vpls>
                <filter>
                    <input>filter_in_ge-5/0/1_8</input>

                    </filter>
                </vpls>
            </family>
            <vlan-tags>
                <outer>8</outer>
            </vlan-tags>
        </unit>
    </interface>
</interfaces>
</configuration>
</Configuration>
</PendingOrderConfigDeviceEnd>
</PendingOrderConfiguration>
</Data>
```

Get an E-LAN Service Order with Manual Route Target By Order ID

This request is used to retrieve the details of a particular Layer 2 Ethernet LAN (E-LAN) BGP service order with manual route target based on the service order ID.

| | |
|-------------|--|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/ <serviceOrderId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Collects the details of a specific E-LAN service order with manual route target. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/elan-vpls/service-management/service-orders/1540121"

      uri="/api/space/nsas/elan-vpls/service-management/service-orders/1540121"

      key="1540121">
        <Common>
          <Name>ManualRT-SO</Name>
          <Identity>1540121</Identity>
          <State>Invalid</State>
          <CreatedDate>2013-02-25T17:36:31.000+05:30</CreatedDate>
          <LastUpdatedDate>2013-02-25T17:36:31.000+05:30</LastUpdatedDate>
          <CreatedBy>super</CreatedBy>
        </Common>
        <ServiceType>Multipoint-to-Multipoint Ethernet (VPLS)</ServiceType>
        <Signaling>BGP</Signaling>
        <Action>Provisioning</Action>
        <ServiceEndPointGroup>
          <DeviceInfo>
            <NA href="/api/space/nsas/device-roles/pe-devices/1474653"
              uri="/api/space/nsas/device-roles/pe-devices/1474653"
              key="1474653">
              <DeviceName>embassy</DeviceName>
              <DeviceID>1474653</DeviceID>
            </NA>
          </DeviceInfo>
          <ServiceEndPoint>
            <InterfaceName>xe-0/0/2</InterfaceName>
            <ServiceEndpointConfiguration
              xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
              xsi:type="VPLSBGPEndPointConfigParameterOrderType">
              <PhysicalEncapsulation>flexible-ethernet-services
            </PhysicalEncapsulation>
            <UNIDescription>N/A</UNIDescription>
            <VlanId>5</VlanId>
            <MTU>1522</MTU>
            <MACLearning>true</MACLearning>
            <InterfaceMACLimit>1024</InterfaceMACLimit>
            <MACStatistics>false</MACStatistics>

```

```

        <MACTableSize>5120</MACTableSize>
        <OuterTPID>None</OuterTPID>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA href="/api/space/nsas/device-roles/pe-devices/1474642"
uri="/api/space/nsas/device-roles/pe-devices/1474642"
        key="1474642">
            <DeviceName>jaipur</DeviceName>
            <DeviceID>1474642</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/0/3</InterfaceName>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">
            <PhysicalEncapsulation>flexible-ethernet-services
            </PhysicalEncapsulation>
            <UNIDescription>N/A</UNIDescription>
            <VlanId>2</VlanId>
            <MTU>1522</MTU>
            <MACLearning>true</MACLearning>
            <InterfaceMACLimit>1024</InterfaceMACLimit>
            <MACStatistics>false</MACStatistics>
            <MACTableSize>5120</MACTableSize>
            <OuterTPID>None</OuterTPID>
        </ServiceEndpointConfiguration>
        <ServiceTemplates />
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:type="VPLSConfigParameterOrderType">
    <TrafficType>Transport single vlan</TrafficType>
    <RouteTarget>12:5665</RouteTarget>
    <VLANNormalization>Normalize to Dot1q</VLANNormalization>
    <Dot1QVLANTag>12</Dot1QVLANTag>
</ServiceOrderParameter>

```

```
<Reference>
  <Customer key="1081493"
    href="/api/space/nsas/customer-management/customers/1081493"
uri="/api/space/nsas/customer-management/customers/1081493" />
  <ServiceDefinition>
    <ServiceDefinitionID key="1540096"

href="/api/space/nsas/elan-vpls/service-management/service-definitions/1540096"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/1540096"
  />
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Create an E-LAN Service Order with Manual Route Target

This request is used to create an E-LAN service order configured with manual route target.

| | |
|--------------|---|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/ redundancy |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management. service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |
| Produces | Creates an E-LAN service order with manual route target. |

Input

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>ManualRT-SO-API</Name>

      </Common>
      <ServiceType>Multipoint-to-Multipoint Ethernet (VPLS)</ServiceType>
      <Signaling>BGP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>embassy</DeviceName>
            <DeviceID>1474653</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>xe-0/0/2</InterfaceName>

          <ServiceTemplates />
        </ServiceEndPoint>
      </ServiceEndPointGroup>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>jaipur</DeviceName>
            <DeviceID>1474642</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/3</InterfaceName>

          <ServiceTemplates />
        </ServiceEndPoint>
      </ServiceEndPointGroup>
      <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

        xsi:type="VPLSConfigParameterOrderType">

        <RouteTarget>12:5665</RouteTarget>

```

```

    <Dot1QVLANTag>12</Dot1QVLANTag>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="1081493"/>
    <ServiceDefinition>
      <ServiceDefinitionID key="1540096"/>
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>6553609</Value>
    </Identity>
    <Job>
      <ID>1998898</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service Order Created Successfully and Deployment is in
      Progress. Please check the status using the JOB ID.</Message>
  </Status>
</Data>

```

Get a Multipoint-to-Multipoint E-LAN BGP Service Order with Manual Route Target By Order ID

This request is used to retrieve the details of a particular multipoint-to-multipoint E-LAN BGP service order with manual route target based on the service order ID.

| | |
|-------------|---|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/<serviceOrderId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Collects the details of a specific multipoint-to-multipoint E-LAN BGP service order with manual route target. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/elan-vpls/service-management/service-orders/7667712"

      uri="/api/space/nsas/elan-vpls/service-management/service-orders/7667712"

      key="7667712">
      <Common>
        <Name>TPID_VPLS_MTM_BGP_SO</Name>
        <Identity>7667712</Identity>
        <State>Invalid</State>
        <CreatedDate>2012-12-26T17:36:30.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-12-26T17:36:30.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>Multipoint-to-Multipoint Ethernet (VPLS)</ServiceType>
      <Signaling>BGP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
```

```

        <NA href="/api/space/nsas/device-roles/pe-devices/3997704"
uri="/api/space/nsas/device-roles/pe-devices/3997704"
        key="3997704">
        <DeviceName>kochin</DeviceName>
        <DeviceID>3997704</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge-0/0/5</InterfaceName>
    <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">
        <PhysicalEncapsulation>flexible-ethernet-services
    </PhysicalEncapsulation>
        <UNIDescription>N/A</UNIDescription>
        <VlanId>2300</VlanId>
        <MTU>1522</MTU>
        <CustomerVlanId>2400</CustomerVlanId>
        <MACLearning>true</MACLearning>
        <InterfaceMACLimit>1024</InterfaceMACLimit>
        <MACStatistics>false</MACStatistics>
        <MACTableSize>5120</MACTableSize>
        <OuterTPID>0x88a8</OuterTPID>
        <InnerTPID>0x88a8</InnerTPID>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA href="/api/space/nsas/device-roles/pe-devices/3997755"
uri="/api/space/nsas/device-roles/pe-devices/3997755"
        key="3997755">
        <DeviceName>jaipur</DeviceName>
        <DeviceID>3997755</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge-0/1/0</InterfaceName>
    <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">
        <PhysicalEncapsulation>flexible-ethernet-services

```

```

    </PhysicalEncapsulation>
    <UNIDescription>N/A</UNIDescription>
    <VlanId>2300</VlanId>
    <MTU>1522</MTU>
    <CustomerVlanId>2400</CustomerVlanId>
    <MACLearning>true</MACLearning>
    <InterfaceMACLimit>1024</InterfaceMACLimit>
    <MACStatistics>false</MACStatistics>
    <MACTableSize>5120</MACTableSize>
    <OuterTPID>0x88a8</OuterTPID>
    <InnerTPID>0x88a8</InnerTPID>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="VPLSConfigParameterOrderType">
    <TrafficType>Transport single vlan</TrafficType>
    <RouteTarget>100:8</RouteTarget>
    <VLANNormalization>Normalize All</VLANNormalization>
    <AutoDiscovery>false</AutoDiscovery>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="884834"
      href="/api/space/nsas/customer-management/customers/884834"
      uri="/api/space/nsas/customer-management/customers/884834" />
    <ServiceDefinition>
      <ServiceDefinitionID key="7471231"

        href="/api/space/nsas/elan-vpls/service-management/service-definitions/7471231"

        uri="/api/space/nsas/elan-vpls/service-management/service-definitions/7471231"
      />
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Get a Point-to-Multipoint E-LAN BGP Service Order with Manual Route Target By Order ID

This request is used to retrieve the details of a particular point-to-multipoint E-LAN BGP service order with manual route target based on the service order ID.

| | |
|-------------|--|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/<serviceOrderId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Collects the details of a specific point-to-multipoint E-LAN BGP service order with manual route target. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/elan-vpls/service-management/service-orders/7667727"

      uri="/api/space/nsas/elan-vpls/service-management/service-orders/7667727"

      key="7667727">
        <Common>
          <Name>TPID_VPLS_PTM_BGP_SO</Name>
          <Identity>7667727</Identity>
          <State>Invalid</State>
          <CreatedDate>2012-12-26T17:38:12.000+05:30</CreatedDate>
          <LastUpdatedDate>2012-12-26T17:38:12.000+05:30</LastUpdatedDate>
          <CreatedBy>super</CreatedBy>
        </Common>
        <ServiceType>Point-to-Multipoint Ethernet (VPLS)</ServiceType>
        <Signaling>BGP</Signaling>
        <Action>Provisioning</Action>
        <ServiceEndPointGroup>
          <DeviceInfo>
```

```

    <NA href="/api/space/nsas/device-roles/pe-devices/3997766"
uri="/api/space/nsas/device-roles/pe-devices/3997766"
    key="3997766">
    <DeviceName>embassy</DeviceName>
    <DeviceID>3997766</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-1/0/5</InterfaceName>
  <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSBGPEndPointConfigParameterOrderType">
    <PhysicalEncapsulation>flexible-ethernet-services
  </PhysicalEncapsulation>
    <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
    <UNIDescription>N/A</UNIDescription>
    <VlanId>2400</VlanId>
    <MTU>1522</MTU>
    <CustomerVlanId>2500</CustomerVlanId>
    <MACLearning>true</MACLearning>
    <InterfaceMACLimit>1024</InterfaceMACLimit>
    <MACStatistics>false</MACStatistics>
    <MACTableSize>5120</MACTableSize>
    <OuterTPID>0x88a8</OuterTPID>
    <InnerTPID>0x8100</InnerTPID>
    <Hub>true</Hub>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/3997704"
uri="/api/space/nsas/device-roles/pe-devices/3997704"
    key="3997704">
    <DeviceName>kochin</DeviceName>
    <DeviceID>3997704</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-0/0/6</InterfaceName>
  <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

```

```

xsi:type="VPLSHSBGPEndPointConfigParameterOrderType">
  <PhysicalEncapsulation>flexible-ethernet-services
</PhysicalEncapsulation>
  <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
  <UNIDescription>N/A</UNIDescription>
  <VlanId>2400</VlanId>
  <MTU>1522</MTU>
  <CustomerVlanId>2500</CustomerVlanId>
  <MACLearning>true</MACLearning>
  <InterfaceMACLimit>1024</InterfaceMACLimit>
  <MACStatistics>false</MACStatistics>
  <MACTableSize>5120</MACTableSize>
  <OuterTPID>0x88a8</OuterTPID>
  <InnerTPID>0x8100</InnerTPID>
  <Hub>false</Hub>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="VPLSConfigParameterOrderType">
    <TrafficType>Transport single vlan</TrafficType>
    <VLANNormalization>Normalize All</VLANNormalization>
    <HubRouteTarget>100:9</HubRouteTarget>
    <SpokeRouteTarget>100:11</SpokeRouteTarget>
    <AutoDiscovery>false</AutoDiscovery>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="884834"
      href="/api/space/nsas/customer-management/customers/884834"
uri="/api/space/nsas/customer-management/customers/884834" />
    <ServiceDefinition>
      <ServiceDefinitionID key="7471200"

href="/api/space/nsas/elan-vpls/service-management/service-definitions/7471200"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/7471200"
/>
    </ServiceDefinition>
  </Reference>
</ServiceOrder>

```

```
</ServiceResource>
</Data>
```

Get a Multipoint-to-Multipoint E-LAN LDP Service Order with Manual Route Target By Order ID

This request is used to retrieve the details of a particular multipoint-to-multipoint E-LAN LDP service order with manual route target based on the service order ID.

| | |
|-------------|---|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/<serviceOrderId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Collects the details of a specific multipoint-to-multipoint E-LAN LDP service order with manual route target. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/elan-vpls/service-management/service-orders/7471262"

      uri="/api/space/nsas/elan-vpls/service-management/service-orders/7471262"

      key="7471262">
      <Common>
        <Name>VPLS_MTM_LDP_SO</Name>
        <Identity>7471262</Identity>
        <State>Failed_Deployed</State>
```

```

    <CreateDate>2012-12-26T14:38:30.000+05:30</CreateDate>
    <LastUpdatedDate>2012-12-26T14:38:43.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <ServiceType>Multipoint-to-Multipoint Ethernet (VPLS)</ServiceType>
  <Signaling>LDP</Signaling>
  <Action>Provisioning</Action>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA href="/api/space/nsas/device-roles/pe-devices/3997755"
uri="/api/space/nsas/device-roles/pe-devices/3997755"
      key="3997755">
        <DeviceName>jaipur</DeviceName>
        <DeviceID>3997755</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-0/1/0</InterfaceName>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSLDPEndPointConfigParameterOrderType">
        <PhysicalEncapsulation>flexible-ethernet-services
        </PhysicalEncapsulation>
        <UNIDescription>N/A</UNIDescription>
        <VlanId>1550</VlanId>
        <MTU>1522</MTU>
        <CustomerVlanId>2500</CustomerVlanId>
        <MACLearning>true</MACLearning>
        <InterfaceMACLimit>1024</InterfaceMACLimit>
        <MACStatistics>false</MACStatistics>
        <MACTableSize>5120</MACTableSize>
        <OuterTPID>0x8100</OuterTPID>
        <InnerTPID>0x88a8</InnerTPID>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA href="/api/space/nsas/device-roles/pe-devices/3997704"
uri="/api/space/nsas/device-roles/pe-devices/3997704"
      key="3997704">
        <DeviceName>kochin</DeviceName>

```

```

        <DeviceID>3997704</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge-0/0/6</InterfaceName>
    <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSLDPEndPointConfigParameterOrderType">
        <PhysicalEncapsulation>flexible-ethernet-services
    </PhysicalEncapsulation>
        <UNIDescription>N/A</UNIDescription>
        <VlanId>1550</VlanId>
        <MTU>1522</MTU>
        <CustomerVlanId>2500</CustomerVlanId>
        <MACLearning>true</MACLearning>
        <InterfaceMACLimit>1024</InterfaceMACLimit>
        <MACStatistics>false</MACStatistics>
        <MACTableSize>5120</MACTableSize>
        <OuterTPID>0x8100</OuterTPID>
        <InnerTPID>0x88a8</InnerTPID>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

    xsi:type="VPLSConfigParameterOrderType">
    <TrafficType>Transport single vlan</TrafficType>
    <VLANNormalization>Normalize All</VLANNormalization>
    <VPLSId>2147467273</VPLSId>
    <AutoDiscovery>false</AutoDiscovery>
</ServiceOrderParameter>
<Reference>
    <Customer key="884834"
        href="/api/space/nsas/customer-management/customers/884834"
uri="/api/space/nsas/customer-management/customers/884834" />
    <ServiceDefinition>
        <ServiceDefinitionID key="7471104"
            href="/api/space/nsas/service-management/service-definitions/7471104"
            uri="/api/space/nsas/service-management/service-definitions/7471104"
        />
    </ServiceDefinition>
</Reference>

```

```
</ServiceOrder>
</ServiceResource>
</Data>
```

Get a Point-to-Multipoint E-LAN BGP Service Order with Manual Route Target By Order ID

This request is used to retrieve the details of a particular point-to-multipoint E-LAN BGP service order with manual route target based on the service order ID.

| | |
|-------------|--|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/<serviceOrderId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Collects the details of a specific point-to-multipoint E-LAN BGP service order with manual route target. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
href="/api/space/nsas/elan-E-LAN/service-management/service-orders/7471275"
uri="/api/space/nsas/elan-vpls/service-management/service-orders/7471275"
key="7471275">
      <Common>
        <Name>TPID_VPLS_PTM_LDP_SO</Name>
        <Identity>7471275</Identity>
        <State>Invalid</State>
        <CreatedDate>2012-12-26T15:12:34.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-12-26T15:12:34.000+05:30</LastUpdatedDate>
```

```

    <CreatedBy>super</CreatedBy>
  </Common>
  <ServiceType>Point-to-Multipoint Ethernet (VPLS)</ServiceType>
  <Signaling>LDP</Signaling>
  <Action>Provisioning</Action>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA href="/api/space/nsas/device-roles/pe-devices/3997704"
uri="/api/space/nsas/device-roles/pe-devices/3997704" key="3997704">
        <DeviceName>kochin</DeviceName>
        <DeviceID>3997704</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-0/0/6</InterfaceName>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSLDPEndPointConfigParameterOrderType">
        <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>

        <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
        <UNIDescription>N/A</UNIDescription>
        <VlanId>1660</VlanId>
        <MTU>1522</MTU>
        <CustomerVlanId>2400</CustomerVlanId>
        <MACLearning>true</MACLearning>
        <InterfaceMACLimit>1024</InterfaceMACLimit>
        <MACStatistics>>false</MACStatistics>
        <MACTableSize>5120</MACTableSize>
        <OuterTPID>0x88a8</OuterTPID>
        <InnerTPID>0x8100</InnerTPID>
        <Hub>false</Hub>
        <NeighbourHub>jaipur</NeighbourHub>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA href="/api/space/nsas/device-roles/pe-devices/3997755"
uri="/api/space/nsas/device-roles/pe-devices/3997755" key="3997755">
        <DeviceName>jaipur</DeviceName>
        <DeviceID>3997755</DeviceID>

```

```

    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/0</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSLDP endPointConfigParameterOrderType">
      <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>

      <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
      <UNIDescription>N/A</UNIDescription>
      <VlanId>1660</VlanId>
      <MTU>1522</MTU>
      <CustomerVlanId>2400</CustomerVlanId>
      <MACLearning>true</MACLearning>
      <InterfaceMACLimit>1024</InterfaceMACLimit>
      <MACStatistics>false</MACStatistics>
      <MACTableSize>5120</MACTableSize>
      <OuterTPID>0x88a8</OuterTPID>
      <InnerTPID>0x8100</InnerTPID>
      <Hub>true</Hub>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
  <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterOrderType">
    <TrafficType>Transport single vlan</TrafficType>
    <VLANNormalization>Normalize All</VLANNormalization>
    <VPLSId>2147467275</VPLSId>
    <AutoDiscovery>false</AutoDiscovery>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="884834"
href="/api/space/nsas/customer-management/customers/884834"
uri="/api/space/nsas/customer-management/customers/884834"/>
      <ServiceDefinition>
        <ServiceDefinitionID key="7471136"
href="/api/space/nsas/service-management/service-definitions/7471136"
uri="/api/space/nsas/service-management/service-definitions/7471136"/>
      </ServiceDefinition>
    </Reference>
  </Reference>

```

```
</ServiceOrder>
</ServiceResource>
</Data>
```

Create a Multipoint-to-Multipoint E-LAN LDP Service Order with Manual Route Target

This request is used to create a multipoint-to-multipoint E-LAN LDP service order configured with manual route target.

| | |
|--------------|---|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/ redundancy |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management. service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |
| Produces | Creates a multipoint-to-multipoint E-LAN LDP service order with manual route target. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>VPLS_MTM_LDP_SO</Name>
      </Common>
      <ServiceEndPointGroup>
```

```

<DeviceInfo>
  <NA>
    <DeviceName>jaipur</DeviceName>
    <DeviceID>3997755</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-0/1/0</InterfaceName>
  <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSLDPEndPointConfigParameterOrderType">
    <VlanId>1550</VlanId>
    <MTU>1522</MTU>
    <CustomerVlanId>2500</CustomerVlanId>
    <OuterTPID>0x8100</OuterTPID>
    <InnerTPID>0x88a8</InnerTPID>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA>
      <DeviceName>kochin</DeviceName>
      <DeviceID>3997704</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/0/6</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSLDPEndPointConfigParameterOrderType">
      <VlanId>1550</VlanId>
      <MTU>1522</MTU>
      <CustomerVlanId>2500</CustomerVlanId>
      <OuterTPID>0x8100</OuterTPID>
      <InnerTPID>0x88a8</InnerTPID>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:type="VPLSConfigParameterOrderType">

```

```
<AutoDiscovery>false</AutoDiscovery>
</ServiceOrderParameter>
<Reference>
  <Customer key="884834" />
  <ServiceDefinition>
    <ServiceDefinitionID key="7471104" />
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Create a Point-to-Multipoint E-LAN LDP Service Order with Manual Route Target

This request is used to create a point-to-multipoint E-LAN LDP service order configured with manual route target.

| | |
|--------------|--|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/ redundancy |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management. service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |
| Produces | Creates a point-to-multipoint E-LAN LDP service order with manual route target. |

Input

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>TPID_VPLS_PTM_LDP_SO</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>kochin</DeviceName>
            <DeviceID>3997704</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/6</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="VPLSHSLDP endPointConfigParameterOrderType">
            <VlanId>1660</VlanId>
            <MTU>1522</MTU>
            <CustomerVlanId>2400</CustomerVlanId>
            <OuterTPID>0x88a8</OuterTPID>
            <InnerTPID>0x8100</InnerTPID>
            <Hub>false</Hub>
            <NeighbourHub>jaipur</NeighbourHub>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>jaipur</DeviceName>
            <DeviceID>3997755</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/1/0</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="VPLSHSLDP endPointConfigParameterOrderType">
            <VlanId>1660</VlanId>

```

```
<MTU>1522</MTU>
<CustomerVlanId>2400</CustomerVlanId>
<OuterTPID>0x88a8</OuterTPID>
<InnerTPID>0x8100</InnerTPID>
<Hub>true</Hub>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="VPLSConfigParameterOrderType">
  <AutoDiscovery>false</AutoDiscovery>
</ServiceOrderParameter>
<Reference>
  <Customer key="884834" />
  <ServiceDefinition>
    <ServiceDefinitionID key="7471136" />
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Create a Point-to-Multipoint E-LAN BGP Service Order with Manual Route Target

This request is used to create a point-to-multipoint E-LAN BGP service order configured with manual route target.

| | |
|--------------|---|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/ redundancy |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |

Produces

Creates a point-to-multipoint E-LAN BGP service order with manual route target.

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>TPID_VPLS_PTM_BGP_SO</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>embassy</DeviceName>
            <DeviceID>3997766</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/0/5</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="VPLSHSBGPEndPointConfigParameterOrderType">
            <VlanId>2400</VlanId>
            <MTU>1522</MTU>
            <CustomerVlanId>2500</CustomerVlanId>
            <OuterTPID>0x88a8</OuterTPID>
            <InnerTPID>0x8100</InnerTPID>
            <Hub>true</Hub>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>kochin</DeviceName>
            <DeviceID>3997704</DeviceID>
          </NA>
        </DeviceInfo>
```

```
<ServiceEndPoint>
  <InterfaceName>ge-0/0/6</InterfaceName>
  <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSBGPEndPointConfigParameterOrderType">
    <VlanId>2400</VlanId>
    <MTU>1522</MTU>
    <CustomerVlanId>2500</CustomerVlanId>
    <OuterTPID>0x88a8</OuterTPID>
    <InnerTPID>0x8100</InnerTPID>
    <Hub>false</Hub>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="VPLSConfigParameterOrderType">
    <AutoDiscovery>false</AutoDiscovery>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="884834" />
    <ServiceDefinition>
      <ServiceDefinitionID key="7471200" />
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Create a Multipoint-to-Multipoint E-LAN BGP Service Order with Manual Route Target

This request is used to create a multipoint-to-multipoint E-LAN BGP service order configured with manual route target.

| | |
|-------------|---|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/ redundancy |
| HTTP Method | POST |

| | |
|--------------|---|
| Content-Type | application/vnd.net.juniper.space.service-management. service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |
| Produces | Creates a multipoint-to-multipoint E-LAN BGP service order with manual route target. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>TPID_VPLS_MTM_BGP_SO</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>kochin</DeviceName>
            <DeviceID>3997704</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/5</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="VPLSBGPEndPointConfigParameterOrderType">
            <VlanId>2300</VlanId>
            <MTU>1522</MTU>
            <CustomerVlanId>2400</CustomerVlanId>
            <OuterTPID>0x88a8</OuterTPID>
            <InnerTPID>0x88a8</InnerTPID>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>
</Data>
```

```

<DeviceInfo>
  <NA>
    <DeviceName>jaipur</DeviceName>
    <DeviceID>3997755</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-0/1/0</InterfaceName>
  <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPPEndPointConfigParameterOrderType">
    <VlanId>2300</VlanId>
    <MTU>1522</MTU>
    <CustomerVlanId>2400</CustomerVlanId>
    <OuterTPID>0x88a8</OuterTPID>
    <InnerTPID>0x88a8</InnerTPID>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="VPLSConfigParameterOrderType">
    <RouteTarget _Autopick="true"/>
    </ServiceOrderParameter>

<Reference>
  <Customer key="884834"/>
  <ServiceDefinition>
    <ServiceDefinitionID key="7471231"/>
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

NOTE: Starting with Connectivity Services Director Release 1.0R1, the tag names for specifying the auto-pick route target option are modified as follows:

`<RouteTarget_AutoPick>true</RouteTarget_AutoPick>`

`<RouteTarget_AutoPick>false</RouteTarget_AutoPick>`

In Services Activation Director, this tag was named as `<RouteTarget AutoPick>`.

If you are migrating from Services Activation Director to Connectivity Services Director and if your E-LAN service orders contain the auto-pick route target setting, you need to examine such service orders and use the updated tag names when you create an E-LAN service order using a REST API request..

Get a Multipoint-to-Multipoint E-LAN BGP Service Order with Tag Protocol ID By Order ID

This request is used to retrieve the details of a particular multipoint-to-multipoint E-LAN BGP service order with tag protocol ID based on the service order ID.

| | |
|-------------|---|
| URI | <code>api/space/nsas/elan-vpls/service-management/service-orders/<serviceOrderId></code> |
| HTTP Method | GET |
| Consumes | <code>application/vnd.net.juniper.space.service-management.service-order+xml</code> |
| Produces | Collects the details of a specific multipoint-to-multipoint E-LAN BGP service order with tag protocol ID. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/elan-vpls/service-management/service-orders/7667712"
```

```

uri="/api/space/nsas/elan-vpls/service-management/service-orders/7667712"

key="7667712">
<Common>
  <Name>TPID_VPLS_MTM_BGP_SO</Name>
  <Identity>7667712</Identity>
  <State>Invalid</State>
  <CreatedDate>2012-12-26T17:36:30.000+05:30</CreatedDate>
  <LastUpdatedDate>2012-12-26T17:36:30.000+05:30</LastUpdatedDate>
  <CreatedBy>super</CreatedBy>
</Common>
<ServiceType>Multipoint-to-Multipoint Ethernet (VPLS)</ServiceType>
<Signaling>BGP</Signaling>
<Action>Provisioning</Action>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/3997704"
uri="/api/space/nsas/device-roles/pe-devices/3997704"
    key="3997704">
      <DeviceName>kochin</DeviceName>
      <DeviceID>3997704</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/0/5</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">
      <PhysicalEncapsulation>flexible-ethernet-services
      </PhysicalEncapsulation>
      <UNIDescription>N/A</UNIDescription>
      <VlanId>2300</VlanId>
      <MTU>1522</MTU>
      <CustomerVlanId>2400</CustomerVlanId>
      <MACLearning>true</MACLearning>
      <InterfaceMACLimit>1024</InterfaceMACLimit>
      <MACStatistics>false</MACStatistics>
      <MACTableSize>5120</MACTableSize>
      <OuterTPID>0x88a8</OuterTPID>
      <InnerTPID>0x88a8</InnerTPID>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>

```

```

    </ServiceEndPointGroup>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <NA href="/api/space/nsas/device-roles/pe-devices/3997755"
uri="/api/space/nsas/device-roles/pe-devices/3997755"
        key="3997755">
          <DeviceName>jaipur</DeviceName>
          <DeviceID>3997755</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-0/1/0</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">
          <PhysicalEncapsulation>flexible-ethernet-services
          </PhysicalEncapsulation>
          <UNIDescription>N/A</UNIDescription>
          <VlanId>2300</VlanId>
          <MTU>1522</MTU>
          <CustomerVlanId>2400</CustomerVlanId>
          <MACLearning>true</MACLearning>
          <InterfaceMACLimit>1024</InterfaceMACLimit>
          <MACStatistics>false</MACStatistics>
          <MACTableSize>5120</MACTableSize>
          <OuterTPID>0x88a8</OuterTPID>
          <InnerTPID>0x88a8</InnerTPID>
        </ServiceEndpointConfiguration>
      </ServiceEndPoint>
    </ServiceEndPointGroup>
    <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

    xsi:type="VPLSConfigParameterOrderType">
      <TrafficType>Transport single vlan</TrafficType>
      <RouteTarget>100:8</RouteTarget>
      <VLANNormalization>Normalize All</VLANNormalization>
      <AutoDiscovery>false</AutoDiscovery>
    </ServiceOrderParameter>
    <Reference>
      <Customer key="884834"
        href="/api/space/nsas/customer-management/customers/884834"
uri="/api/space/nsas/customer-management/customers/884834" />

```

```
<ServiceDefinition>
  <ServiceDefinitionID key="7471231"

href="/api/space/nsas/elan-vpls/service-management/service-definitions/7471231"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/7471231"
/>
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Get a Point-to-Multipoint E-LAN BGP Service Order with Tag Protocol ID By Order ID

This request is used to retrieve the details of a particular point-to-multipoint E-LAN BGP service order with tag protocol ID based on the service order ID.

| | |
|-------------|--|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/<serviceOrderId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Collects the details of a specific point-to-multipoint E-LAN BGP service order with tag protocol ID. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
```

```

<ServiceOrder
  href="/api/space/nsas/elan-vpls/service-management/service-orders/7667727"

  uri="/api/space/nsas/elan-vpls/service-management/service-orders/7667727"

  key="7667727">
    <Common>
      <Name>TPID_VPLS_PTM_BGP_SO</Name>
      <Identity>7667727</Identity>
      <State>Invalid</State>
      <CreatedDate>2012-12-26T17:38:12.000+05:30</CreatedDate>
      <LastUpdatedDate>2012-12-26T17:38:12.000+05:30</LastUpdatedDate>
      <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>Point-to-Multipoint Ethernet (VPLS)</ServiceType>
    <Signaling>BGP</Signaling>
    <Action>Provisioning</Action>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <NA href="/api/space/nsas/device-roles/pe-devices/3997766"
uri="/api/space/nsas/device-roles/pe-devices/3997766"
        key="3997766">
          <DeviceName>embassy</DeviceName>
          <DeviceID>3997766</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-1/0/5</InterfaceName>
        <ServiceEndpointConfiguration
          xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSBGPEndPointConfigParameterOrderType">
          <PhysicalEncapsulation>flexible-ethernet-services
          </PhysicalEncapsulation>
          <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
          <UNIDescription>N/A</UNIDescription>
          <VlanId>2400</VlanId>
          <MTU>1522</MTU>
          <CustomerVlanId>2500</CustomerVlanId>
          <MACLearning>true</MACLearning>
          <InterfaceMACLimit>1024</InterfaceMACLimit>
          <MACStatistics>false</MACStatistics>
          <MACTableSize>5120</MACTableSize>

```

```

        <OuterTPID>0x88a8</OuterTPID>
        <InnerTPID>0x8100</InnerTPID>
        <Hub>true</Hub>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA href="/api/space/nsas/device-roles/pe-devices/3997704"
uri="/api/space/nsas/device-roles/pe-devices/3997704"
        key="3997704">
            <DeviceName>kochin</DeviceName>
            <DeviceID>3997704</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/0/6</InterfaceName>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSBGPEndPointConfigParameterOrderType">
            <PhysicalEncapsulation>flexible-ethernet-services
            </PhysicalEncapsulation>
            <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
            <UNIDescription>N/A</UNIDescription>
            <VlanId>2400</VlanId>
            <MTU>1522</MTU>
            <CustomerVlanId>2500</CustomerVlanId>
            <MACLearning>true</MACLearning>
            <InterfaceMACLimit>1024</InterfaceMACLimit>
            <MACStatistics>false</MACStatistics>
            <MACTableSize>5120</MACTableSize>
            <OuterTPID>0x88a8</OuterTPID>
            <InnerTPID>0x8100</InnerTPID>
            <Hub>false</Hub>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:type="VPLSConfigParameterOrderType">
    <TrafficType>Transport single vlan</TrafficType>
    <VLANNormalization>Normalize All</VLANNormalization>

```

```
<HubRouteTarget>100:9</HubRouteTarget>
<SpokeRouteTarget>100:11</SpokeRouteTarget>
<AutoDiscovery>false</AutoDiscovery>
</ServiceOrderParameter>
<Reference>
  <Customer key="884834"
    href="/api/space/nsas/customer-management/customers/884834"
    uri="/api/space/nsas/customer-management/customers/884834" />
  <ServiceDefinition>
    <ServiceDefinitionID key="7471200"
      href="/api/space/nsas/elan-vpls/service-management/service-definitions/7471200"
      uri="/api/space/nsas/elan-vpls/service-management/service-definitions/7471200"
    />
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Get a Multipoint-to-Multipoint E-LAN LDP Service Order with Tag Protocol ID By Order ID

This request is used to retrieve the details of a particular multipoint-to-multipoint E-LAN LDP service order with tag protocol ID based on the service order ID.

| | |
|-------------|---|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/<serviceOrderId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Collects the details of a specific multipoint-to-multipoint E-LAN LDP service order with tag protocol ID. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/elan-vpls/service-management/service-orders/7471262"

      uri="/api/space/nsas/elan-vpls/service-management/service-orders/7471262"

      key="7471262">
        <Common>
          <Name>VPLS_MTM_LDP_SO</Name>
          <Identity>7471262</Identity>
          <State>Failed_Deployed</State>
          <CreatedDate>2012-12-26T14:38:30.000+05:30</CreatedDate>
          <LastUpdatedDate>2012-12-26T14:38:43.000+05:30</LastUpdatedDate>
          <CreatedBy>super</CreatedBy>
        </Common>
        <ServiceType>Multipoint-to-Multipoint Ethernet (VPLS)</ServiceType>
        <Signaling>LDP</Signaling>
        <Action>Provisioning</Action>
        <ServiceEndPointGroup>
          <DeviceInfo>
            <NA href="/api/space/nsas/device-roles/pe-devices/3997755"
              uri="/api/space/nsas/device-roles/pe-devices/3997755"
              key="3997755">
              <DeviceName>jaipur</DeviceName>
              <DeviceID>3997755</DeviceID>
            </NA>
          </DeviceInfo>
          <ServiceEndPoint>
            <InterfaceName>ge-0/1/0</InterfaceName>
            <ServiceEndpointConfiguration
              xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
              xsi:type="VPLSLDPEndPointConfigParameterOrderType">
              <PhysicalEncapsulation>flexible-ethernet-services
            </PhysicalEncapsulation>
            <UNIDescription>N/A</UNIDescription>
            <VlanId>1550</VlanId>
            <MTU>1522</MTU>
            <CustomerVlanId>2500</CustomerVlanId>
            <MACLearning>true</MACLearning>

```

```

    <InterfaceMACLimit>1024</InterfaceMACLimit>
    <MACStatistics>>false</MACStatistics>
    <MACTableSize>5120</MACTableSize>
    <OuterTPID>0x8100</OuterTPID>
    <InnerTPID>0x88a8</InnerTPID>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/3997704"
uri="/api/space/nsas/device-roles/pe-devices/3997704"
key="3997704">
    <DeviceName>kochin</DeviceName>
    <DeviceID>3997704</DeviceID>
  </NA>
</DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/0/6</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSLDPEndPointConfigParameterOrderType">
    <PhysicalEncapsulation>flexible-ethernet-services
    </PhysicalEncapsulation>
    <UNIDescription>N/A</UNIDescription>
    <VlanId>1550</VlanId>
    <MTU>1522</MTU>
    <CustomerVlanId>2500</CustomerVlanId>
    <MACLearning>true</MACLearning>
    <InterfaceMACLimit>1024</InterfaceMACLimit>
    <MACStatistics>>false</MACStatistics>
    <MACTableSize>5120</MACTableSize>
    <OuterTPID>0x8100</OuterTPID>
    <InnerTPID>0x88a8</InnerTPID>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:type="VPLSConfigParameterOrderType">
  <TrafficType>Transport single vlan</TrafficType>
  <VLANNormalization>Normalize All</VLANNormalization>

```

```
<VPLSId>2147467273</VPLSId>
<AutoDiscovery>false</AutoDiscovery>
</ServiceOrderParameter>
<Reference>
  <Customer key="884834"
    href="/api/space/nsas/customer-management/customers/884834"
uri="/api/space/nsas/customer-management/customers/884834" />
  <ServiceDefinition>
    <ServiceDefinitionID key="7471104"
      href="/api/space/nsas/service-management/service-definitions/7471104"
      uri="/api/space/nsas/service-management/service-definitions/7471104"
    />
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Get a Point-to-Multipoint E-LAN BGP Service Order with Tag Protocol ID By Order ID

This request is used to retrieve the details of a particular point-to-multipoint E-LAN BGP service order with tag protocol ID based on the service order ID.

| | |
|-------------|--|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/ <serviceOrderId> |
| HTTP Method | GET |
| Consumes | application/vnd.netjuniper.space.service-management.service-order+xml |
| Produces | Collects the details of a specific point-to-multipoint E-LAN BGP service order with tag protocol ID. |

Output

Sample XML Output

```

    <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
    <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
    <ServiceOrder
href="/api/space/nsas/elan-vpls/service-management/service-orders/7471275"
uri="/api/space/nsas/elan-vpls/service-management/service-orders/7471275"
key="7471275">
    <Common>
    <Name>TPID_VPLS_PTM_LDP_SO</Name>
    <Identity>7471275</Identity>
    <State>Invalid</State>
    <CreatedDate>2012-12-26T15:12:34.000+05:30</CreatedDate>
    <LastUpdatedDate>2012-12-26T15:12:34.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>Point-to-Multipoint Ethernet (VPLS)</ServiceType>
    <Signaling>LDP</Signaling>
    <Action>Provisioning</Action>
    <ServiceEndPointGroup>
    <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/3997704"
uri="/api/space/nsas/device-roles/pe-devices/3997704" key="3997704">
    <DeviceName>kochin</DeviceName>
    <DeviceID>3997704</DeviceID>
    </NA>
    </DeviceInfo>
    <ServiceEndPoint>
    <InterfaceName>ge-0/0/6</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSLDPEndPointConfigParameterOrderType">
    <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>

    <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
    <UNIDescription>N/A</UNIDescription>
    <VlanId>1660</VlanId>
    <MTU>1522</MTU>
    <CustomerVlanId>2400</CustomerVlanId>
    <MACLearning>true</MACLearning>
    <InterfaceMACLimit>1024</InterfaceMACLimit>
    <MACStatistics>false</MACStatistics>
    <MACTableSize>5120</MACTableSize>

```

```

    <OuterTPID>0x88a8</OuterTPID>
    <InnerTPID>0x8100</InnerTPID>
    <Hub>false</Hub>
    <NeighbourHub>jaipur</NeighbourHub>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/3997755"
uri="/api/space/nsas/device-roles/pe-devices/3997755" key="3997755">
      <DeviceName>jaipur</DeviceName>
      <DeviceID>3997755</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/0</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSLDP endPointConfigParameterOrderType">
      <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>

      <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
      <UNIDescription>N/A</UNIDescription>
      <VlanId>1660</VlanId>
      <MTU>1522</MTU>
      <CustomerVlanId>2400</CustomerVlanId>
      <MACLearning>true</MACLearning>
      <InterfaceMACLimit>1024</InterfaceMACLimit>
      <MACStatistics>false</MACStatistics>
      <MACTableSize>5120</MACTableSize>
      <OuterTPID>0x88a8</OuterTPID>
      <InnerTPID>0x8100</InnerTPID>
      <Hub>true</Hub>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
  <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterOrderType">
    <TrafficType>Transport single vlan</TrafficType>
    <VLANNormalization>Normalize All</VLANNormalization>

```

```
<VPLSId>2147467275</VPLSId>
<AutoDiscovery>false</AutoDiscovery>
</ServiceOrderParameter>
<Reference>
  <Customer key="884834"
href="/api/space/nsas/customer-management/customers/884834"
uri="/api/space/nsas/customer-management/customers/884834"/>
    <ServiceDefinition>
      <ServiceDefinitionID key="7471136"
href="/api/space/nsas/service-management/service-definitions/7471136"
uri="/api/space/nsas/service-management/service-definitions/7471136"/>
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Create a Multipoint-to-Multipoint E-LAN LDP Service Order with Tag Protocol ID

This request is used to create a multipoint-to-multipoint E-LAN LDP service order configured with tag protocol ID.

| | |
|--------------|---|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/redundancy |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |
| Produces | Creates a multipoint-to-multipoint E-LAN LDP service order with tag protocol ID. |

Input

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>VPLS_MTM_LDP_SO</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>jaipur</DeviceName>
            <DeviceID>3997755</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/1/0</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="VPLSLDPEndPointConfigParameterOrderType">
            <VlanId>1550</VlanId>
            <MTU>1522</MTU>
            <CustomerVlanId>2500</CustomerVlanId>
            <OuterTPID>0x8100</OuterTPID>
            <InnerTPID>0x88a8</InnerTPID>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceOrder>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <NA>
          <DeviceName>kochin</DeviceName>
          <DeviceID>3997704</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-0/0/6</InterfaceName>
        <ServiceEndpointConfiguration
          xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
          xsi:type="VPLSLDPEndPointConfigParameterOrderType">
          <VlanId>1550</VlanId>
          <MTU>1522</MTU>

```

```

    <CustomerVlanId>2500</CustomerVlanId>
    <OuterTPID>0x8100</OuterTPID>
    <InnerTPID>0x88a8</InnerTPID>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="VPLSConfigParameterOrderType">
  <AutoDiscovery>false</AutoDiscovery>
</ServiceOrderParameter>
<Reference>
  <Customer key="884834" />
  <ServiceDefinition>
    <ServiceDefinitionID key="7471104" />
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Create a Point-to-Multipoint E-LAN LDP Service Order with Tag Protocol ID

This request is used to create a point-to-multipoint E-LAN LDP service order configured with tag protocol ID.

| | |
|--------------|---|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/ redundancy |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |

Produces

Creates a point-to-multipoint E-LAN LDP service order with tag protocol ID.

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>TPID_VPLS_PTM_LDP_SO</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>kochin</DeviceName>
            <DeviceID>3997704</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/6</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="VPLSHSLDP endPointConfigParameterOrderType">
            <VlanId>1660</VlanId>
            <MTU>1522</MTU>
            <CustomerVlanId>2400</CustomerVlanId>
            <OuterTPID>0x88a8</OuterTPID>
            <InnerTPID>0x8100</InnerTPID>
            <Hub>false</Hub>
            <NeighbourHub>jaipur</NeighbourHub>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>jaipur</DeviceName>
            <DeviceID>3997755</DeviceID>
          </NA>
```

```
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-0/1/0</InterfaceName>
  <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="VPLSHSLDP endPointConfigParameterOrderType">
    <VlanId>1660</VlanId>
    <MTU>1522</MTU>
    <CustomerVlanId>2400</CustomerVlanId>
    <OuterTPID>0x88a8</OuterTPID>
    <InnerTPID>0x8100</InnerTPID>
    <Hub>true</Hub>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="VPLSConfigParameterOrderType">
  <AutoDiscovery>false</AutoDiscovery>
</ServiceOrderParameter>
<Reference>
  <Customer key="884834"/>
  <ServiceDefinition>
    <ServiceDefinitionID key="7471136"/>
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Create a Point-to-Multipoint E-LAN BGP Service Order with Tag Protocol ID

This request is used to create a point-to-multipoint E-LAN BGP service order configured with tag protocol ID.

| | |
|-------------|---|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/ redundancy |
| HTTP Method | POST |

| | |
|--------------|---|
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml |
| Produces | Creates a point-to-multipoint E-LAN BGP service order with tag protocol ID. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>TPID_VPLS_PTM_BGP_SO</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>embassy</DeviceName>
            <DeviceID>3997766</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/0/5</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="VPLSHSBGPEndPointConfigParameterOrderType">
            <VlanId>2400</VlanId>
            <MTU>1522</MTU>
            <CustomerVlanId>2500</CustomerVlanId>
            <OuterTPID>0x88a8</OuterTPID>
            <InnerTPID>0x8100</InnerTPID>
            <Hub>true</Hub>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>
</Data>
```

```

<DeviceInfo>
  <NA>
    <DeviceName>kochin</DeviceName>
    <DeviceID>3997704</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-0/0/6</InterfaceName>
  <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSBGPEndPointConfigParameterOrderType">
    <VlanId>2400</VlanId>
    <MTU>1522</MTU>
    <CustomerVlanId>2500</CustomerVlanId>
    <OuterTPID>0x88a8</OuterTPID>
    <InnerTPID>0x8100</InnerTPID>
    <Hub>false</Hub>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="VPLSConfigParameterOrderType">
    <AutoDiscovery>false</AutoDiscovery>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="884834"/>
    <ServiceDefinition>
      <ServiceDefinitionID key="7471200"/>
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Create a Multipoint-to-Multipoint E-LAN BGP Service Order with Tag Protocol ID

This request is used to create a multipoint-to-multipoint E-LAN BGP service order configured with tag protocol ID.

| | |
|--------------|--|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/redundancy |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml |
| Produces | Creates a multipoint-to-multipoint E-LAN BGP service order with tag protocol ID. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>TPID_VPLS_MTM_BGP_SO</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>kochin</DeviceName>
            <DeviceID>3997704</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/5</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
```

```

xsi:type="VPLSBGPEndPointConfigParameterOrderType">
    <VlanId>2300</VlanId>
    <MTU>1522</MTU>
    <CustomerVlanId>2400</CustomerVlanId>
    <OuterTPID>0x88a8</OuterTPID>
    <InnerTPID>0x88a8</InnerTPID>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA>
            <DeviceName>jaipur</DeviceName>
            <DeviceID>3997755</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/1/0</InterfaceName>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">
            <VlanId>2300</VlanId>
            <MTU>1522</MTU>
            <CustomerVlanId>2400</CustomerVlanId>
            <OuterTPID>0x88a8</OuterTPID>
            <InnerTPID>0x88a8</InnerTPID>
            </ServiceEndpointConfiguration>
        </ServiceEndPoint>
    </ServiceEndPointGroup>
</ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

    xsi:type="VPLSConfigParameterOrderType">
        <RouteTarget _Autopick="true"/>
    </ServiceOrderParameter>

<Reference>
    <Customer key="884834"/>
    <ServiceDefinition>
        <ServiceDefinitionID key="7471231"/>
    </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>

```

</Data>

NOTE: Starting with Connectivity Services Director Release 1.0R1, the tag names for specifying the auto-pick route target option are modified as follows:

<RouteTarget_AutoPick>true</RouteTarget_AutoPick>

<RouteTarget_AutoPick>false</RouteTarget_AutoPick>

In Services Activation Director, this tag was named as <RouteTarget AutoPick>.

If you are migrating from Services Activation Director to Connectivity Services Director and if your E-LAN service orders contain the auto-pick route target setting, you need to examine such service orders and use the updated tag names when you create an E-LAN service order using a REST API request..

Create a Point-to-Multipoint E-LAN LDP Service Order with Pseudowire Redundancy

This request is used to create a point-to-multipoint E-LAN LDP service order configured with pseudowire redundancy.

| | |
|--------------|--|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/ redundancy |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |
| Produces | Creates a point-to-multipoint E-LAN LDP service order with pseudowire redundancy. |

Input

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>API_VPLS_LDP_REDUNDANCY</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/device-roles/pe-devices/5341335"
uri="/api/space/nsas/device-roles/pe-devices/5341335"
          key="5341335">
            <DeviceName>junos-space2</DeviceName>
            <DeviceID>5341335</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/1/1</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSLDPEndPointConfigParameterOrderType">
            <VlanId>172</VlanId>
            <MTU>1522</MTU>
            <Bandwidth unit="Mbps">10</Bandwidth>
            <Hub>true</Hub>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/device-roles/pe-devices/5341351"
uri="/api/space/nsas/device-roles/pe-devices/5341351"
          key="5341351">
            <DeviceName>vjx-junos-mx80-1-space</DeviceName>
            <DeviceID>5341351</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/5</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSLDPEndPointConfigParameterOrderType">
            <VlanId>172</VlanId>

```

```

    <MTU>1522</MTU>
    <Bandwidth unit="Mbps">10</Bandwidth>
    <Hub>false</Hub>
    <NeighbourHub>junos-space1</NeighbourHub>
    <BackupNeighbourHub>junos-space2</BackupNeighbourHub>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/4980738"
uri="/api/space/nsas/device-roles/pe-devices/4980738"
    key="4980738">
    <DeviceName>junos-space1</DeviceName>
    <DeviceID>4980738</DeviceID>
  </NA>
</DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/1</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSLDPEndPointConfigParameterOrderType">
      <VlanId>172</VlanId>
      <MTU>1522</MTU>
      <Bandwidth unit="Mbps">10</Bandwidth>
      <Hub>true</Hub>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="VPLSConfigParameterOrderType">
    <RevertTime>55</RevertTime>
    <SwitchOverDelay>55</SwitchOverDelay>
  </ServiceOrderParameter>
<Reference>
  <Customer key="819263"
    href="/api/space/nsas/customer-management/customers/819263"
uri="/api/space/nsas/customer-management/customers/819263" />
  <ServiceDefinition>
    <ServiceDefinitionID key="7143508"

```

```

href="/api/space/nsas/elan-vpls/service-management/service-definitions/7143508"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/7143508"
/>
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>9240597</Value>
    </Identity>
    <Job>
      <ID>3047764</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Order Created Successfully and Validation is in
      Progress. Please check the status using the JOB ID.</Message>
  </Status>
</Data>

```

Create a Point-to-Multipoint E-LAN BGP Service Order with Pseudowire Redundancy

This request is used to create a point-to-multipoint E-LAN BGP service order configured with pseudowire redundancy.

| | |
|--------------|--|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/ redundancy |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management. service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |
| Produces | Creates a point-to-multipoint E-LAN BGP service order with pseudowire redundancy. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/elan-vpls/service-management/service-orders/2785640"

      uri="/api/space/nsas/elan-vpls/service-management/service-orders/2785640"

      key="2785640">
      <Common>
        <Name>VPLS_BGP_STITCH_REDU_SO_API22</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/device-roles/pe-devices/2753032"
            uri="/api/space/nsas/device-roles/pe-devices/2753032"
            key="2753032">
```

```

        <DeviceName>embassy</DeviceName>
        <DeviceID>2753032</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge-1/0/4</InterfaceName>
    <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSBGPEndPonfigParameterOrderType">

        <CustomerVlanId>512</CustomerVlanId>
        <MACLearning>true</MACLearning>
        <InterfaceMACLimit>1024</InterfaceMACLimit>
        <MACStatistics>false</MACStatistics>
        <MACTableSize>5120</MACTableSize>

        <Hub>true</Hub>
    </ServiceEndpointConfiguration>

</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA href="/api/space/nsas/device-roles/pe-devices/2753123"
uri="/api/space/nsas/device-roles/pe-devices/2753123"
        key="2753123">
            <DeviceName>jaipur</DeviceName>
            <DeviceID>2753123</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/1/0</InterfaceName>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSBGPEndPonfigParameterOrderType">

            <CustomerVlanId>512</CustomerVlanId>
            <MACLearning>true</MACLearning>
            <InterfaceMACLimit>1024</InterfaceMACLimit>

```

```

        <MACStatistics>false</MACStatistics>
        <MACTableSize>5120</MACTableSize>

        <Hub>true</Hub>
    </ServiceEndpointConfiguration>

</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA href="/api/space/nsas/device-roles/pe-devices/2753134"
uri="/api/space/nsas/device-roles/pe-devices/2753134"
        key="2753134">
            <DeviceName>kochin</DeviceName>
            <DeviceID>2753134</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/0/7</InterfaceName>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSBGPEndPoi
ntConfigParameterOrderType">

            <CustomerVlanId>512</CustomerVlanId>
            <MACLearning>true</MACLearning>
            <InterfaceMACLimit>1024</InterfaceMACLimit>
            <MACStatistics>false</MACStatistics>
            <MACTableSize>5120</MACTableSize>

            <Hub>false</Hub>
            <EnableP2PSpoke>true</EnableP2PSpoke>
            <HubConnectivityName>MG_Default</HubConnectivityName>
            <NeighbourHub>embassy</NeighbourHub>
            <BackupNeighbourHub>jaipur</BackupNeighbourHub>
        </ServiceEndpointConfiguration>
        <ServiceTemplates />
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:type="VPLSConfigParameterOrderType">

```

```

    <QinQVLANOuterTag>555</QinQVLANOuterTag>
    <QinQVLANInnerTag>557</QinQVLANInnerTag>
    <HubRouteTarget>100:114717</HubRouteTarget>
    <VPLSID>2147467321</VPLSID>
    <RevertTime>5</RevertTime>
    <SwitchOverDelay>0</SwitchOverDelay>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="852056"
      href="/api/space/nsas/customer-management/customers/852056"
uri="/api/space/nsas/customer-management/customers/852056" />
    <ServiceDefinition>
      <ServiceDefinitionID key="2785610"
href="/api/space/nsas/elan-vpls/service-management/service-definitions/2785610"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/2785610"
/>
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status><Identity><Type>ServiceOrder</Type>
  <Value>2785716</Value></Identity><Job><ID>852318</ID>
  <Status>INPROGRESS</Status></Job><Code>200</Code>
  <Message>The Service Order Created Successfully and Validation is in Progress.

Please check the status using the JOB ID.</Message></Status></Data>

```

Get a Point-to-Multipoint E-LAN LDP Service Order with Pseudowire Redundancy By Order ID

This request is used to retrieve the details of a particular point-to-multipoint E-LAN LDP service order with pseudowire redundancy based on the service order ID.

| | |
|-------------|--|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/<serviceOrderId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Collects the details of a specific point-to-multipoint E-LAN LDP service order with pseudowire redundancy. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/elan-vpls/service-management/service-orders/9240597"

      uri="/api/space/nsas/elan-vpls/service-management/service-orders/9240597"

      key="9240597">
      <Common>
        <Name>API_VPLS_LDP_REDUNDANCY</Name>
        <Identity>9240597</Identity>
        <State>Invalid</State>
        <CreatedDate>2013-01-17T16:34:20.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-01-17T16:34:19.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>Point-to-Multipoint Ethernet (VPLS)</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
```

```

    <NA href="/api/space/nsas/device-roles/pe-devices/5341335"
uri="/api/space/nsas/device-roles/pe-devices/5341335"
    key="5341335">
    <DeviceName>junos-space2</DeviceName>
    <DeviceID>5341335</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-0/1/1</InterfaceName>
  <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSLDP endPointConfigParameterOrderType">
    <PhysicalEncapsulation>flexible-ethernet-services
  </PhysicalEncapsulation>
  <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
  <UNIDescription>N/A</UNIDescription>
  <VlanId>2</VlanId>
  <MTU>1522</MTU>
  <Bandwidth unit="Mbps">10</Bandwidth>
  <MACLearning>true</MACLearning>
  <InterfaceMACLimit>1024</InterfaceMACLimit>
  <MACStatistics>false</MACStatistics>
  <MACTableSize>5120</MACTableSize>
  <OuterTPID>0x8100</OuterTPID>
  <Hub>true</Hub>
  </ServiceEndpointConfiguration>
  <ServiceTemplates />
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/5341351"
uri="/api/space/nsas/device-roles/pe-devices/5341351"
    key="5341351">
    <DeviceName>vjx-junos-mx80-1-space</DeviceName>
    <DeviceID>5341351</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-0/0/5</InterfaceName>
  <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

```

```

xsi:type="VPLSHSLDPEndPointConfigParameterOrderType">
  <PhysicalEncapsulation>flexible-ethernet-services
  </PhysicalEncapsulation>
  <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
  <UNIDescription>N/A</UNIDescription>
  <VlanId>3</VlanId>
  <MTU>1522</MTU>
  <Bandwidth unit="Mbps">10</Bandwidth>
  <MACLearning>true</MACLearning>
  <InterfaceMACLimit>1024</InterfaceMACLimit>
  <MACStatistics>false</MACStatistics>
  <MACTableSize>5120</MACTableSize>
  <OuterTPID>0x8100</OuterTPID>
  <Hub>false</Hub>
  <NeighbourHub>junos-space1</NeighbourHub>
  <BackupNeighbourHub>junos-space2</BackupNeighbourHub>
</ServiceEndpointConfiguration>
<ServiceTemplates />
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/4980738"
uri="/api/space/nsas/device-roles/pe-devices/4980738"
    key="4980738">
      <DeviceName>junos-space1</DeviceName>
      <DeviceID>4980738</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/1</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSLDPEndPointConfigParameterOrderType">
      <PhysicalEncapsulation>flexible-ethernet-services
      </PhysicalEncapsulation>
      <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
      <UNIDescription>N/A</UNIDescription>
      <VlanId>2</VlanId>
      <MTU>1522</MTU>
      <Bandwidth unit="Mbps">10</Bandwidth>
      <MACLearning>true</MACLearning>

```

```

    <InterfaceMACLimit>1024</InterfaceMACLimit>
    <MACStatistics>false</MACStatistics>
    <MACTableSize>5120</MACTableSize>
    <OuterTPID>0x8100</OuterTPID>
    <Hub>true</Hub>
  </ServiceEndpointConfiguration>
  <ServiceTemplates />
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="VPLSConfigParameterOrderType">
    <TrafficType>Transport all traffic</TrafficType>
    <VLANNormalization>Not Normalized</VLANNormalization>
    <VPLSId>2147467365</VPLSId>
    <AutoDiscovery>false</AutoDiscovery>
    <RevertTime>55</RevertTime>
    <SwitchOverDelay>55</SwitchOverDelay>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="819263"
      href="/api/space/nsas/customer-management/customers/819263"
uri="/api/space/nsas/customer-management/customers/819263" />
    <ServiceDefinition>
      <ServiceDefinitionID key="7143508"

href="/api/space/nsas/elan-vpls/service-management/service-definitions/7143508"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/7143508"
/>
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Get a Point-to-Multipoint E-LAN BGP Service Order with Pseudowire Redundancy By Order ID

This request is used to retrieve the details of a particular point-to-multipoint E-LAN BGP service order with pseudowire redundancy based on the service order ID.

| | |
|-------------|--|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/<serviceOrderId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Collects the details of a specific point-to-multipoint E-LAN BGP service order with pseudowire redundancy. |

Output

Sample XML Output

```
<code><?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/elan-vpls/service-management/service-orders/2785640"

      uri="/api/space/nsas/elan-vpls/service-management/service-orders/2785640"

      key="2785640">
      <Common>
        <Name>VPLS_BGP_STITCH_REDU_SO</Name>
        <Identity>2785640</Identity>
        <State>Invalid</State>
        <CreatedDate>2013-03-01T10:10:45.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-03-01T10:10:45.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>Point-to-Multipoint Ethernet (VPLS)</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
```

```

    <DeviceInfo>
      <NA href="/api/space/nsas/device-roles/pe-devices/2753032"
uri="/api/space/nsas/device-roles/pe-devices/2753032"
      key="2753032">
        <DeviceName>embassy</DeviceName>
        <DeviceID>2753032</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-1/0/4</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSBGPEndPointConfigParameterOrderType">
        <PhysicalEncapsulation>flexible-ethernet-services
        </PhysicalEncapsulation>
        <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
        <UNIDescription>N/A</UNIDescription>
        <VlanId>8</VlanId>
        <MTU>1522</MTU>
        <CustomerVlanId>512</CustomerVlanId>
        <MACLearning>true</MACLearning>
        <InterfaceMACLimit>1024</InterfaceMACLimit>
        <MACStatistics>false</MACStatistics>
        <MACTableSize>5120</MACTableSize>
        <OuterTPID>None</OuterTPID>
        <InnerTPID>None</InnerTPID>
        <Hub>true</Hub>
      </ServiceEndpointConfiguration>
    </ServiceTemplates />
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/2753123"
uri="/api/space/nsas/device-roles/pe-devices/2753123"
    key="2753123">
      <DeviceName>jaipur</DeviceName>
      <DeviceID>2753123</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/0</InterfaceName>

```

```

    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="VPLSHSBGPEndPointConfigParameterOrderType">
      <PhysicalEncapsulation>flexible-ethernet-services
      </PhysicalEncapsulation>
      <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
      <UNIDescription>N/A</UNIDescription>
      <VlanId>3</VlanId>
      <MTU>1522</MTU>
      <CustomerVlanId>512</CustomerVlanId>
      <MACLearning>true</MACLearning>
      <InterfaceMACLimit>1024</InterfaceMACLimit>
      <MACStatistics>false</MACStatistics>
      <MACTableSize>5120</MACTableSize>
      <OuterTPID>None</OuterTPID>
      <InnerTPID>None</InnerTPID>
      <Hub>true</Hub>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/2753134"
    uri="/api/space/nsas/device-roles/pe-devices/2753134"
      key="2753134">
      <DeviceName>kochin</DeviceName>
      <DeviceID>2753134</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/0/7</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="VPLSHSBGPEndPointConfigParameterOrderType">
      <PhysicalEncapsulation>flexible-ethernet-services
      </PhysicalEncapsulation>
      <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
      <UNIDescription>N/A</UNIDescription>
      <VlanId>5</VlanId>
      <MTU>1522</MTU>
      <CustomerVlanId>512</CustomerVlanId>

```

```

    <MACLearning>true</MACLearning>
    <InterfaceMACLimit>1024</InterfaceMACLimit>
    <MACStatistics>false</MACStatistics>
    <MACTableSize>5120</MACTableSize>
    <OuterTPID>None</OuterTPID>
    <InnerTPID>None</InnerTPID>
    <Hub>false</Hub>
    <EnableP2PSpoke>true</EnableP2PSpoke>
    <VCID>2147467321</VCID>
    <HubConnectivityName>MG_Default</HubConnectivityName>
    <NeighbourHub>embassy</NeighbourHub>
    <BackupNeighbourHub>jaipur</BackupNeighbourHub>
  </ServiceEndpointConfiguration>
  <ServiceTemplates />
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="VPLSConfigParameterOrderType">
  <TrafficType>Transport single vlan</TrafficType>
  <VLANNormalization>Normalize to QinQ</VLANNormalization>
  <QinQVLANOuterTag>555</QinQVLANOuterTag>
  <QinQVLANInnerTag>557</QinQVLANInnerTag>
  <HubRouteTarget>100:114717</HubRouteTarget>
  <VPLSId>2147467321</VPLSId>
  <AutoDiscovery>false</AutoDiscovery>
  <RevertTime>5</RevertTime>
  <SwitchOverDelay>0</SwitchOverDelay>
</ServiceOrderParameter>
<Reference>
  <Customer key="852056"
    href="/api/space/nsas/customer-management/customers/852056"
uri="/api/space/nsas/customer-management/customers/852056" />
  <ServiceDefinition>
    <ServiceDefinitionID key="2785610"

href="/api/space/nsas/elan-vpls/service-management/service-definitions/2785610"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/2785610"
  />
  </ServiceDefinition>

```

```

    </Reference>
  </ServiceOrder>
</ServiceResource>
</Data>

</code>
```

Create a Point-to-Multipoint E-LAN LDP Service Order with Pseudowire Stitching

This request is used to create a point-to-multipoint E-LAN LDP service order configured with pseudowire stitching.

| | |
|--------------|---|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/ redundancy |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |
| Produces | Creates a point-to-multipoint E-LAN LDP service order with pseudowire stitching. |

Input

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>vpls_ldp_pw_so_API </Name>
      </Common>
      <ServiceType>Point-to-Multipoint Ethernet (VPLS)</ServiceType>
```

```

<Signaling>LDP</Signaling>
<Action>Provisioning</Action>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA>
      <DeviceName>embassy</DeviceName>
      <DeviceID>852025</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-1/0/4</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="VPLSHSLDPEndPointConfigParameterOrderType">

      <VlanId>512</VlanId>
      <MTU>1522</MTU>
      <Bandwidth unit="Mbps">10</Bandwidth>
      <CustomerVlanId>1</CustomerVlanId>
      <MACLearning>true</MACLearning>
      <InterfaceMACLimit>1024</InterfaceMACLimit>
      <MACStatistics>false</MACStatistics>
      <MACTableSize>5120</MACTableSize>

      <Hub>false</Hub>
      <NeighbourHub>junos-m10-2-space</NeighbourHub>
      <EnableP2PSpoke>true</EnableP2PSpoke>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/852061"
      uri="/api/space/nsas/device-roles/pe-devices/852061"
      key="852061">
      <DeviceName>junos-m10-2-space</DeviceName>
      <DeviceID>852061</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/0/3</InterfaceName>

```

```

    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="VPLSHSLDP endPointConfigParameterOrderType">

      <VlanId>2</VlanId>
      <MTU>1522</MTU>
      <Bandwidth unit="Mbps">10</Bandwidth>
      <CustomerVlanId>1</CustomerVlanId>
      <MACLearning>true</MACLearning>
      <InterfaceMACLimit>1024</InterfaceMACLimit>
      <MACStatistics>false</MACStatistics>
      <MACTableSize>5120</MACTableSize>

      <Hub>true</Hub>
    </ServiceEndpointConfiguration>
  </ServiceTemplates />
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/852116"
      uri="/api/space/nsas/device-roles/pe-devices/852116"
      key="852116">
      <DeviceName>junos-spacel</DeviceName>
      <DeviceID>852116</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/4</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="VPLSHSLDP endPointConfigParameterOrderType">

      <VlanId>2</VlanId>
      <MTU>1522</MTU>
      <Bandwidth unit="Mbps">10</Bandwidth>
      <CustomerVlanId>1</CustomerVlanId>
      <MACLearning>true</MACLearning>
      <InterfaceMACLimit>1024</InterfaceMACLimit>
      <MACStatistics>false</MACStatistics>
      <MACTableSize>5120</MACTableSize>

```

```

        <Hub>true</Hub>
      </ServiceEndpointConfiguration>
      <ServiceTemplates />
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="VPLSConfigParameterOrderType">
    <QinQVLANOuterTag>1</QinQVLANOuterTag>
    <QinQVLANInnerTag>1</QinQVLANInnerTag>

  </ServiceOrderParameter>
  <Reference>
    <Customer key="852056"
      href="/api/space/nsas/customer-management/customers/852056"
uri="/api/space/nsas/customer-management/customers/852056" />
    <ServiceDefinition>
      <ServiceDefinitionID key="950272"

href="/api/space/nsas/elan-vpls/service-management/service-definitions/950272"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/950272"
/>
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Create a Point-to-Multipoint E-LAN BGP Service Order with Pseudowire Stitching

This request is used to create a point-to-multipoint E-LAN BGP service order configured with pseudowire stitching.

| | |
|-------------|---|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/ redundancy |
| HTTP Method | POST |

| | |
|--------------|--|
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml |
| Produces | Creates a point-to-multipoint E-LAN BGP service order with pseudowire stitching. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>VPLS_BGP_SO_API</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>embassy</DeviceName>
            <DeviceID>852025</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/0/3</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="VPLSHSBGP endPointConfigParameterOrderType">
            <VlanId>4014</VlanId>
            <MTU>1522</MTU>
            <Bandwidth unit="Mbps">10</Bandwidth>
            <MACLearning>true</MACLearning>
            <InterfaceMACLimit>1024</InterfaceMACLimit>
            <MACStatistics>false</MACStatistics>
            <MACTableSize>5120</MACTableSize>
            <Hub>true</Hub>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>
</Data>
```

```

    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA>
        <DeviceName>junos-m10-2-space</DeviceName>
        <DeviceID>852061</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-0/0/3</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="VPLSHSBGP endPointConfigParameterOrderType">

        <VlanId>4014</VlanId>
        <MTU>1522</MTU>
        <Bandwidth unit="Mbps">10</Bandwidth>

        <MACLearning>true</MACLearning>
        <InterfaceMACLimit>1024</InterfaceMACLimit>
        <MACStatistics>false</MACStatistics>
        <MACTableSize>5120</MACTableSize>
        <Hub>false</Hub>
        <EnableP2PSpoke>true</EnableP2PSpoke>
        <HubConnectivityName>MG_Default</HubConnectivityName>
        <NeighbourHub>embassy</NeighbourHub>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA>
        <DeviceName>kochin</DeviceName>
        <DeviceID>851983</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-0/1/3</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

```

```

xsi:type="VPLSHSBGPEndPointConfigParameterOrderType">
  <UNIDescription>N/A</UNIDescription>
  <VlanId>4014</VlanId>
  <MTU>1522</MTU>
  <Bandwidth unit="Mbps">10</Bandwidth>

  <MACLearning>true</MACLearning>
  <InterfaceMACLimit>1024</InterfaceMACLimit>
  <MACStatistics>false</MACStatistics>
  <MACTableSize>5120</MACTableSize>

  <Hub>true</Hub>
</ServiceEndpointConfiguration>
<ServiceTemplates />
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="VPLSConfigParameterOrderType">

    <HubRouteTarget>100:6</HubRouteTarget>
    <SpokeRouteTarget>100:7</SpokeRouteTarget>

    <QinQVLANOuterTag>34</QinQVLANOuterTag>
    <QinQVLANInnerTag>34</QinQVLANInnerTag>

  </ServiceOrderParameter>
  <Reference>
    <Customer key="852056"
      href="/api/space/nsas/customer-management/customers/852056"
uri="/api/space/nsas/customer-management/customers/852056" />
    <ServiceDefinition>
      <ServiceDefinitionID key="1442167"

href="/api/space/nsas/elan-vpls/service-management/service-definitions/1442167"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/1442167"
/>
    </ServiceDefinition>
  </Reference>
</ServiceOrder>

```

```
    </ServiceResource>
  </Data>
```

Get a Point-to-Multipoint E-LAN LDP Service Order with Pseudowire Stitching By Order ID

This request is used to retrieve the details of a particular point-to-multipoint E-LAN LDP service order with pseudowire stitching based on the service order ID.

| | |
|-------------|---|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/<serviceOrderId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Collects the details of a specific point-to-multipoint E-LAN LDP service order with pseudowire stitching. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/elan-vpls/service-management/service-orders/1114515"

      uri="/api/space/nsas/elan-vpls/service-management/service-orders/1114515"

      key="1114515">
      <Common>
        <Name>vpls_ldp_pw_so_API</Name>
        <Identity>1114515</Identity>
        <State>Invalid</State>
        <CreatedDate>2013-02-18T12:44:20.000+05:30</CreatedDate>
```

```

    <LastUpdatedDate>2013-02-18T12:44:19.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <ServiceType>Point-to-Multipoint Ethernet (VPLS)</ServiceType>
  <Signaling>LDP</Signaling>
  <Action>Provisioning</Action>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA href="/api/space/nsas/device-roles/pe-devices/852025"
uri="/api/space/nsas/device-roles/pe-devices/852025"
      key="852025">
        <DeviceName>embassy</DeviceName>
        <DeviceID>852025</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-1/0/4</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSLDPEndPointConfigParameterOrderType">
        <PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
        <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
        <UNIDescription>N/A</UNIDescription>
        <VlanId>514</VlanId>
        <MTU>1522</MTU>
        <Bandwidth unit="Mbps">10</Bandwidth>
        <CustomerVlanId>1</CustomerVlanId>
        <MACLearning>true</MACLearning>
        <InterfaceMACLimit>1024</InterfaceMACLimit>
        <MACStatistics>false</MACStatistics>
        <MACTableSize>5120</MACTableSize>
        <OuterTPID>None</OuterTPID>
        <InnerTPID>None</InnerTPID>
        <Hub>false</Hub>
        <NeighbourHub>junos-m10-2-space</NeighbourHub>
        <EnableP2PSpoke>true</EnableP2PSpoke>
        <VCID>2147467287</VCID>
        <HubConnectivityName>vpls_ldap_pw_so_API
        </HubConnectivityName>
      </ServiceEndpointConfiguration>
    <ServiceTemplates />
  </ServiceEndPoint>

```

```

</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/852061"
uri="/api/space/nsas/device-roles/pe-devices/852061"
    key="852061">
      <DeviceName>junos-m10-2-space</DeviceName>
      <DeviceID>852061</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/0/3</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSLDPEndPointConfigParameterOrderType">
      <PhysicalEncapsulation>flexible-ethernet-services
      </PhysicalEncapsulation>
      <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
      <UNIDescription>N/A</UNIDescription>
      <VlanId>7</VlanId>
      <MTU>1522</MTU>
      <Bandwidth unit="Mbps">10</Bandwidth>
      <CustomerVlanId>1</CustomerVlanId>
      <MACLearning>true</MACLearning>
      <InterfaceMACLimit>1024</InterfaceMACLimit>
      <MACStatistics>false</MACStatistics>
      <MACTableSize>5120</MACTableSize>
      <OuterTPID>None</OuterTPID>
      <InnerTPID>None</InnerTPID>
      <Hub>true</Hub>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/852116"
uri="/api/space/nsas/device-roles/pe-devices/852116"
    key="852116">
      <DeviceName>junos-spacel</DeviceName>
      <DeviceID>852116</DeviceID>
    </NA>

```

```

</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-0/1/4</InterfaceName>
  <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="VPLSHSLDPEndPointConfigParameterOrderType">
    <PhysicalEncapsulation>flexible-ethernet-services
    </PhysicalEncapsulation>
    <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
    <UNIDescription>N/A</UNIDescription>
    <VlanId>6</VlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Mbps">10</Bandwidth>
    <CustomerVlanId>1</CustomerVlanId>
    <MACLearning>true</MACLearning>
    <InterfaceMACLimit>1024</InterfaceMACLimit>
    <MACStatistics>false</MACStatistics>
    <MACTableSize>5120</MACTableSize>
    <OuterTPID>None</OuterTPID>
    <InnerTPID>None</InnerTPID>
    <Hub>true</Hub>
  </ServiceEndpointConfiguration>
  <ServiceTemplates />
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="VPLSConfigParameterOrderType">
    <TrafficType>Transport single vlan</TrafficType>
    <VLANNormalization>Normalize to QinQ</VLANNormalization>
    <QinQVLANOuterTag>1</QinQVLANOuterTag>
    <QinQVLANInnerTag>1</QinQVLANInnerTag>
    <VPLSId>2147467287</VPLSId>
    <AutoDiscovery>false</AutoDiscovery>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="852056"
      href="/api/space/nsas/customer-management/customers/852056"
      uri="/api/space/nsas/customer-management/customers/852056" />
    <ServiceDefinition>
      <ServiceDefinitionID key="950272"

```

```
href="/api/space/nsas/elan-vpls/service-management/service-definitions/950272"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/950272"
/>
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Get a Point-to-Multipoint E-LAN BGP Service Order with Pseudowire Stitching By Order ID

This request is used to retrieve the details of a point-to-multipoint E-LAN BGP service order with pseudowire stitching based on the service order ID.

| | |
|-------------|---|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/<serviceOrderId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Collects the details of a specific point-to-multipoint E-LAN BGP service order with pseudowire stitching. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/elan-vpls/service-management/service-orders/1802240"
```

```

uri="/api/space/nsas/elan-vpls/service-management/service-orders/1802240"

key="1802240">
<Common>
  <Name>VPLS_BGP_SO_API</Name>
  <Identity>1802240</Identity>
  <State>Invalid</State>
  <CreatedDate>2013-02-19T15:36:30.000+05:30</CreatedDate>
  <LastUpdatedDate>2013-02-19T15:36:29.000+05:30</LastUpdatedDate>
  <CreatedBy>super</CreatedBy>
</Common>
<ServiceType>Point-to-Multipoint Ethernet (VPLS)</ServiceType>
<Signaling>BGP</Signaling>
<Action>Provisioning</Action>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/852025"
uri="/api/space/nsas/device-roles/pe-devices/852025"
    key="852025">
      <DeviceName>embassy</DeviceName>
      <DeviceID>852025</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-1/0/3</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSBGPEndPointConfigParameterOrderType">
      <PhysicalEncapsulation>flexible-ethernet-services
      </PhysicalEncapsulation>
      <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
      <UNIDescription>N/A</UNIDescription>
      <VlanId>4014</VlanId>
      <MTU>1522</MTU>
      <Bandwidth unit="Mbps">10</Bandwidth>
      <MACLearning>true</MACLearning>
      <InterfaceMACLimit>1024</InterfaceMACLimit>
      <MACStatistics>false</MACStatistics>
      <MACTableSize>5120</MACTableSize>
      <OuterTPID>None</OuterTPID>
      <Hub>true</Hub>
    </ServiceEndpointConfiguration>

```

```

    <ServiceTemplates />
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/852061"
uri="/api/space/nsas/device-roles/pe-devices/852061"
    key="852061">
      <DeviceName>junos-m10-2-space</DeviceName>
      <DeviceID>852061</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/0/3</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSBGPEndPointConfigParameterOrderType">
      <PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
      <UNIDescription>N/A</UNIDescription>
      <VlanId>4014</VlanId>
      <MTU>1522</MTU>
      <Bandwidth unit="Mbps">10</Bandwidth>
      <MACLearning>true</MACLearning>
      <InterfaceMACLimit>1024</InterfaceMACLimit>
      <MACStatistics>false</MACStatistics>
      <MACTableSize>5120</MACTableSize>
      <OuterTPID>None</OuterTPID>
      <Hub>false</Hub>
      <EnableP2PSpoke>true</EnableP2PSpoke>
      <VCID>2147467296</VCID>
      <HubConnectivityName>MG_Default</HubConnectivityName>
      <NeighbourHub>embassy</NeighbourHub>
    </ServiceEndpointConfiguration>
  <ServiceTemplates />
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/851983"
uri="/api/space/nsas/device-roles/pe-devices/851983"
    key="851983">
      <DeviceName>kochin</DeviceName>

```

```

        <DeviceID>851983</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge-0/1/3</InterfaceName>
    <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSBGPPEndPointConfigParameterOrderType">
        <PhysicalEncapsulation>flexible-ethernet-services
    </PhysicalEncapsulation>
        <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
        <UNIDescription>N/A</UNIDescription>
        <VlanId>4014</VlanId>
        <MTU>1522</MTU>
        <Bandwidth unit="Mbps">10</Bandwidth>
        <MACLearning>true</MACLearning>
        <InterfaceMACLimit>1024</InterfaceMACLimit>
        <MACStatistics>false</MACStatistics>
        <MACTableSize>5120</MACTableSize>
        <OuterTPID>None</OuterTPID>
        <Hub>true</Hub>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:type="VPLSConfigParameterOrderType">
    <TrafficType>Transport all traffic</TrafficType>
    <VLANNormalization>Normalize All</VLANNormalization>
    <HubRouteTarget>100:7</HubRouteTarget>
</ServiceOrderParameter>
<Reference>
    <Customer key="852056"
        href="/api/space/nsas/customer-management/customers/852056"
uri="/api/space/nsas/customer-management/customers/852056" />
    <ServiceDefinition>
        <ServiceDefinitionID key="1442167"

href="/api/space/nsas/elan-vpls/service-management/service-definitions/1442167"

```

```
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/1442167"
/>
  </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Modify a Saved E-LAN Service Order with LDP

This request is used to modify a saved E-LAN LDP service order.

| | |
|--------------|---|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/<serviceOrderId> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml |
| Consumes | <div>application/vnd.net.juniper.space.service-management.service-order-status+xml</div> <div>For the various options in creating ServiceOrder the options must be specified in the Action Element inside OperationSpecificData. The following values can be entered:</div> <div><ul style="list-style-type: none">• Save (Create and only Save a SO)• SaveAndValidate (Create, Save, and Validate a SO) Default value when no Custom action is specified.• SaveAndDeployNow (Create, Save, and Deploy a SO)• SaveAndDeployLater (Create, Save, and Deploy Later a SO)</div> |
| Produces | Modifies a saved E-LAN LDP service order. |

Input

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/elan-vpls/service-management/service-orders/1146962"

      uri="/api/space/nsas/elan-vpls/service-management/service-orders/1146962"

      key="1146962">
        <Common>
          <Name>Test-SO-VPLS-LDP</Name>
        </Common>
        <ServiceEndPointGroup>
          <DeviceInfo>
            <NA href="/api/space/nsas/device-roles/pe-devices/786448"
uri="/api/space/nsas/device-roles/pe-devices/786448"
              key="786448">
                <DeviceName>exora</DeviceName>
                <DeviceID>786448</DeviceID>
              </NA>
            </DeviceInfo>
            <ServiceEndPoint>
              <InterfaceName>ge-0/0/2</InterfaceName>
              <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
                xsi:type="VPLSLDPEndPointConfigParameterOrderType">
                  <UNIDescription>For Testing...</UNIDescription>
                </ServiceEndpointConfiguration>
              <ServiceTemplates />
            </ServiceEndPoint>
          </ServiceEndPointGroup>
          <ServiceEndPointGroup>
            <DeviceInfo>
              <NA href="/api/space/nsas/device-roles/pe-devices/786501"
uri="/api/space/nsas/device-roles/pe-devices/786501"
                key="786501">
                  <DeviceName>junos-mx240-space</DeviceName>
                  <DeviceID>786501</DeviceID>
                </NA>
              </DeviceInfo>
              <ServiceEndPoint>
                <InterfaceName>ge-0/0/3</InterfaceName>

```

```

        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="VPLSLDPEndPointConfigParameterOrderType">
        <UNIDescription>For Testing...</UNIDescription>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterOrderType">
    </ServiceOrderParameter>
    <Reference>
        <Customer key="1179648"
            href="/api/space/nsas/customer-management/customers/1179648"
uri="/api/space/nsas/customer-management/customers/1179648" />
        <ServiceDefinition>
            <ServiceDefinitionID key="1146906"

href="/api/space/nsas/elan-vpls/service-management/service-definitions/1146906"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/1146906"
/>
        </ServiceDefinition>
    </Reference>
</ServiceOrder>
</ServiceResource>
    <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
        <Action>SaveAndValidate</Action>
    </CustomAction>
</Data>

```

Output

Sample XML Output

```
<Data>
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>1146973</Value>
    </Identity>
    <Job>
      <ID>360458</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>
      The Service Order Modified Successfully and Validation is in Progress.
      Please check the status using the JOB ID.
    </Message>
  </Status>
</Data>
```

Modify a Saved E-LAN Service Order with LDP (Version 2)

This request is used to modify a saved E-LAN service order with LDP.

| | |
|--------------|--|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/ <serviceOrderId> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management. service-order+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml;version=2 |
| Produces | Modifies a saved E-LAN service order with LDP. |

Input

Sample XML Input

```

    <Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>P2P_test_API</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/device-roles/pe-devices/1049735"
uri="/api/space/nsas/device-roles/pe-devices/1049735"
          key="1049735">
            <DeviceName>junos-space5</DeviceName>
          <DeviceID>1049735</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/2/1</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSLDPEndPointConfigParameterOrderType">
            <VlanId>25</VlanId>
            <UnitId>99</UnitId>

          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/device-roles/pe-devices/1049735"
uri="/api/space/nsas/device-roles/pe-devices/1049735"
          key="1049735">
            <DeviceName>junos-space5</DeviceName>
          <DeviceID>1049735</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/2/0</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSLDPEndPointConfigParameterOrderType">
            <VlanId>27</VlanId>
            <UnitId>72</UnitId>

```

```

        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

    xsi:type="VPLSConfigParameterOrderType">

    <QinQVLANOuterTag>1</QinQVLANOuterTag>
    <QinQVLANInnerTag>100</QinQVLANInnerTag>
</ServiceOrderParameter>
<Reference>
    <Customer key="1048781"
        href="/api/space/nsas/customer-management/customers/1048781"
uri="/api/space/nsas/customer-management/customers/1048781" />
    <ServiceDefinition>
        <ServiceDefinitionID key="1015860"

href="/api/space/nsas/eline-ptp/service-management/service-definitions/1015860"

uri="/api/space/nsas/eline-ptp/service-management/service-definitions/1015860"
    />
    </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndDeployNow</Action>

</CustomAction>
</Data>

```

Output

Sample XML Output

```
<Data>
<Status>
<Identity>
<Type>ServiceOrder</Type>
<Value>1015972</Value>
</Identity>
<Job>
<ID>295173</ID>
<Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>
The Service Order Modified Successfully and Deployment is in Progress. Please
  check the status using the JOB ID.
</Message>
</Status>
</Data>
```

Modify a Saved E-LAN Service Order with BGP

This request is used to modify a saved E-LAN BGP service order.

| | |
|--------------|---|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/ <serviceOrderId> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.service-order+xml |

| | |
|----------|--|
| Consumes | <p>application/vnd.net.juniper.space.service-management.service-order-status+xml</p> <p>For the various options in creating ServiceOrder the options must be specified in the Action Element inside OperationSpecificData. The following values can be entered:</p> <ul style="list-style-type: none">• Save (Create and only Save a SO)• SaveAndValidate (Create, Save, and Validate a SO) Default value when no Custom action is specified.• SaveAndDeployNow (Create, Save, and Deploy a SO)• SaveAndDeployLater (Create, Save, and Deploy Later a SO) |
| Produces | Modifies a saved E-LAN BGP service order. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/elan-vpls/service-management/service-orders/1146932"

      uri="/api/space/nsas/elan-vpls/service-management/service-orders/1146932"

      key="1146932">
      <Common>
        <Name>Test-SO-VPLS-BGP</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/device-roles/
pe-devices/786647" uri="/api/space/nsas/device-roles/pe-devices/786647"
            key="786647">
            <DeviceName>embassy</DeviceName>
            <DeviceID>786647</DeviceID>
          </NA>
        </DeviceInfo>
```

```

<ServiceEndPoint>
  <InterfaceName>ge-1/0/9</InterfaceName>
  <ServiceEndpointConfiguration xmlns:xsi="http://www.w3.org/
    2001/XMLSchema-instance"
    xsi:type="VPLSBGPEndPointConfigParameterOrderType">
    <UNIDescription>N/A</UNIDescription>
    <Bandwidth unit="Mbps">10</Bandwidth>
  </ServiceEndpointConfiguration>
  <ServiceTemplates />
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/
      pe-devices/786459" uri="/api/space/nsas/
        device-roles/pe-devices/786459"
      key="786459">
    <DeviceName>kochin</DeviceName>
    <DeviceID>786459</DeviceID>
  </NA>
</DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/0/4</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="VPLSBGPEndPointConfigParameterOrderType">
      <UNIDescription>N/A</UNIDescription>
      <Bandwidth unit="Mbps">10</Bandwidth>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
  </ServiceEndPoint>
</ServiceEndPointGroup>
  <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterOrderType">
    <QinQVLANOuterTag>10</QinQVLANOuterTag>
    <QinQVLANInnerTag>10</QinQVLANInnerTag>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="1179648"
      href="/api/space/nsas/customer-management/customers/1179648"
      uri="/api/space/nsas/customer-management/customers/1179648" />
  </Reference>
  <ServiceDefinition>

```

```

        <ServiceDefinitionID key="1146880"
            href="/api/space/nsas/elan-vpls/
            service-management/service-definitions/1146880"
            uri="/api/space/nsas/elan-vpls/
            service-management/service-definitions/1146880" />
    </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndValidate</Action>
</CustomAction>
</Data>

```

Output

Sample XML Output

```

<Data>
    <Status>
        <Identity>
            <Type>ServiceOrder</Type>
            <Value>1146947</Value>
        </Identity>
        <Job>
            <ID>360455</ID>
            <Status>INPROGRESS</Status>
        </Job>
        <Code>200</Code>
        <Message>
            The Service Order Modified Successfully and Validation is in Progress.
            Please check the status using the JOB ID.
        </Message>
    </Status>
</Data>

```

Modify a Saved E-LAN Service Order with BGP (Version 2)

This request is used to modify a saved E-LAN service order with BGP.

| | |
|--------------|--|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/<serviceOrderId> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-order+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml;version=2 |
| Produces | Modifies a saved E-LAN service order with BGP. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/elan-vpls/service-management/service-orders/1146932"

      uri="/api/space/nsas/elan-vpls/service-management/service-orders/1146932"

      key="1146932">
      <Common>
        <Name>Test-SO-VPLS-BGP</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/device-roles/

pe-devices/786647"    uri="/api/space/nsas/device-roles/pe-devices/786647"
          key="786647">
            <DeviceName>embassy</DeviceName>
            <DeviceID>786647</DeviceID>
```

```

    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-1/0/9</InterfaceName>
    <ServiceEndpointConfiguration xmlns:xsi="http://www.w3.org/
      2001/XMLSchema-instance"
      xsi:type="VPLSBGPEndPointConfigParameterOrderType">
      <UNIDescription>N/A</UNIDescription>
      <Bandwidth unit="Mbps">10</Bandwidth>
      <VlanId>27</VlanId>
      <UnitId>72</UnitId>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/
      pe-devices/786459" uri="/api/space/nsas/
      device-roles/pe-devices/786459"
      key="786459">
    <DeviceName>kochin</DeviceName>
    <DeviceID>786459</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/0/4</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="VPLSBGPEndPointConfigParameterOrderType">
      <UNIDescription>N/A</UNIDescription>
      <Bandwidth unit="Mbps">10</Bandwidth>
      <VlanId>27</VlanId>
      <UnitId>72</UnitId>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
  </ServiceEndPoint>
</ServiceEndPointGroup>
  <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterOrderType">
    <QinQVLANOuterTag>10</QinQVLANOuterTag>
    <QinQVLANInnerTag>10</QinQVLANInnerTag>

```

```

    </ServiceOrderParameter>
    <Reference>
      <Customer key="1179648"
        href="/api/space/nsas/customer-management/customers/1179648"
uri="/api/space/nsas/customer-management/customers/1179648" />
      <ServiceDefinition>
        <ServiceDefinitionID key="1146880"
          href="/api/space/nsas/elan-vpls/
            service-management/service-definitions/1146880"
          uri="/api/space/nsas/elan-vpls/
            service-management/service-definitions/1146880" />
        </ServiceDefinition>
      </Reference>
    </ServiceOrder>
  </ServiceResource>
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndValidate</Action>
  </CustomAction>
</Data>

```

Output

Sample XML Output

```

<Data>
  <Status>
  <Identity>
    <Type>ServiceOrder</Type>
    <Value>1015972</Value>
  </Identity>
  <Job>
    <ID>295173</ID>
    <Status>INPROGRESS</Status>
  </Job>
  <Code>200</Code>
  <Message>
    The Service Order Modified Successfully and Deployment is in Progress. Please
    check the status using the JOB ID.
  </Message>

```

```
</Status>
</Data>
```

Modify a Saved E-LAN BGP Service Order with Ethernet Option as Asymmetric Tag Depth

This request is used to modify a saved E-LAN BGP service order configured with flexible VLAN tagging (asymmetric tag depth) as the Ethernet option.

| | |
|--------------|---|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/ <serviceOrderId> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |
| Produces | Modifies a saved E-LAN BGP service order configured with flexible VLAN tagging (asymmetric tag depth) as the Ethernet option. |

Input (Ethernet LDP)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>P2P_LDP_Asymmetric_ModifySO_API</Name>
        <Comments>sdfsf</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>LDP</Signaling>
```

```

    <Action>Provisioning</Action>
    <ServiceEndPointGroup>
    <DeviceInfo>
    <NA key="524504" uri="/api/space/nsas/device-roles/pe-devices/524504"
href="/api/space/nsas/device-roles/pe-devices/524504">
    <DeviceName>embassy</DeviceName>
    <DeviceID>524504</DeviceID>
    </NA>
    </DeviceInfo>
    <ServiceEndPoint>
    <InterfaceName>ge-1/1/2</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
    <PEDevLoopBackIP>50.1.2.4</PEDevLoopBackIP>
    <EndPointCategory>PTP</EndPointCategory>
    <TrafficType>QINQ Transport single vlan</TrafficType>
    <EthernetOption>qinq</EthernetOption>
    <UNIDescription>sdfsd</UNIDescription>
    <CustomerVlanId>1</CustomerVlanId>
    </ServiceEndpointConfiguration>
    </ServiceEndPoint>
    </ServiceEndPointGroup>
    <ServiceEndPointGroup>
    <DeviceInfo>
    <NA key="524452" uri="/api/space/nsas/device-roles/pe-devices/524452"
href="/api/space/nsas/device-roles/pe-devices/524452">
    <DeviceName>junos-mx80-1-space</DeviceName>
    <DeviceID>524452</DeviceID>
    </NA>
    </DeviceInfo>
    <ServiceEndPoint>
    <InterfaceName>ge-1/2/8</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
    <PEDevLoopBackIP>30.1.2.5</PEDevLoopBackIP>
    <EndPointCategory>PTP</EndPointCategory>
    <TrafficType>QINQ Transport single vlan</TrafficType>
    <EthernetOption>qinq</EthernetOption>
    <UNIDescription>sdfdsfs</UNIDescription>
    <CustomerVlanId>1</CustomerVlanId>

```

```

        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
    <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
    <VlanNormalization>Normalize to Dot1q tag</VlanNormalization>
    <VlanTagToStack>1</VlanTagToStack>
</ServiceOrderParameter>
    <Reference>
    <Customer key="524615"/>
    <ServiceDefinition>
    <ServiceDefinitionID key="393587"/>
    </ServiceDefinition>
    <Service key="393576"/>
    </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
        <Identity>
            <Type>ServiceOrder</Type>
            <Value>6553609</Value>
        </Identity>
        <Job>
            <ID>1998898</ID>
            <Status>INPROGRESS</Status>
        </Job>
        <Code>200</Code>
        <Message>Service Order Modified Successfully and Deployment is in
            Progress. Please check the status using the JOB ID.</Message>
    </Status>
</Data>

```

Modify a Saved E-LAN BGP Service Order with Static Pseudowires

This request is used to modify a saved E-LAN BGP service order configured with static pseudowires.

| | |
|--------------|---|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/ <serviceOrderId> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml |
| Produces | Modifies a saved E-LAN BGP service order with static pseudowires. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>P2P_LDP_E_SPW_ModifySO_API</Name>
        <Comments>fdgdfgdf</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="524440" uri="/api/space/nsas/device-roles/pe-devices/524440">
```

```

href="/api/space/nsas/device-roles/pe-devices/524440">
    <DeviceName>embassy</DeviceName>
    <DeviceID>524440</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge-1/0/7</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
        <EndPointCategory>PTP</EndPointCategory>
        <UNIDescription>hgfh</UNIDescription>
        <CustomerVlanId>1</CustomerVlanId>
        <OutgoingLabel>1000000</OutgoingLabel>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DeviceInfo>
    <NA key="524296" uri="/api/space/nsas/device-roles/pe-devices/524296"
href="/api/space/nsas/device-roles/pe-devices/524296">
        <DeviceName>junos-mx240-space</DeviceName>
        <DeviceID>524296</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>em0</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
        <EndPointCategory>PTP</EndPointCategory>
        <UNIDescription>rtyrtutyu</UNIDescription>
        <CustomerVlanId>1</CustomerVlanId>
        <OutgoingLabel>1000000</OutgoingLabel>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
    <VlanNormalization>Normalize to QinQ tags</VlanNormalization>
    <OuterVlanTagToStack>1</OuterVlanTagToStack>

```

```

    <InnerVlanTagToStack>1</InnerVlanTagToStack>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="525406"/>
    <ServiceDefinition>
      <ServiceDefinitionID key="393589"/>
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
  <Action>SaveAndDeployNow</Action>
</CustomAction>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
      <Identity>
        <Type>ServiceOrder</Type>
        <Value>393666</Value>
      </Identity>
      <Job>
        <ID>196644</ID>
        <Status>INPROGRESS</Status>
      </Job>
      <Code>200</Code>
      <Message>The Service Order Modified Successfully and Deployment is in
Progress. Please check the status using the JOB ID.</Message>
    </Status>
  </Data>

```

Modify a Saved E-LAN BGP Service Order with Multisegment Pseudowires

This request is used to modify a saved E-LAN BGP service order configured with multisegment pseudowires.

| | |
|--------------|---|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/ <serviceOrderId> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management. service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |
| Produces | Modifies a saved E-LAN BGP service order with multisegment pseudowires. |

Input (Ethernet LDP)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>P2P_LDP_Multiseg_SO_API_Test</Name>
        <Comments>dsfdsf</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="524351" uri="/api/space/nsas/device-roles/pe-devices/524351"
href="/api/space/nsas/device-roles/pe-devices/524351">
            <DeviceName>embassy</DeviceName>
            <DeviceID>524351</DeviceID>
          </NA>
        </DeviceInfo>
      <ServiceEndPoint>
```

```

    <InterfaceName>ge-1/1/4</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
    <PEDevLoopBackIP>50.1.2.4</PEDevLoopBackIP>
    <EndPointCategory>PTP</EndPointCategory>
    <UNIDescription>safsd fsdf</UNIDescription>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="525406" uri="/api/space/nsas/device-roles/pe-devices/525406"
href="/api/space/nsas/device-roles/pe-devices/525406">
    <DeviceName>junos-space3</DeviceName>
    <DeviceID>525406</DeviceID>
  </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>iw0</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
    <PEDevLoopBackIP>30.1.2.9</PEDevLoopBackIP>
    <EndPointCategory>PTP</EndPointCategory>
    <StitchingUnit>200</StitchingUnit>
    <UNIDescription>sdfdsf</UNIDescription>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
  <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
    <VlanNormalization>Normalization not required</VlanNormalization>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="525426"/>
    <ServiceDefinition>
      <ServiceDefinitionID key="393544"/>
    </ServiceDefinition>
    <Service key="393574"/>
  </Reference>

```

```
</ServiceOrder>
</ServiceResource>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
      <Identity>
        <Type>ServiceOrder</Type>
        <Value>884775</Value>
      </Identity>
      <Job>
        <ID>294932</ID>
        <Status>INPROGRESS</Status>
      </Job>
      <Code>200</Code>
      <Message>The Service Order Modified Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
    </Status>
  </Data>
```

Modify a Saved E-LAN BGP Service Order with MC-LAG Interfaces

This request is used to modify a saved E-LAN BGP service order configured with MC-LAG interfaces.

| | |
|--------------|---|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/ <serviceOrderId> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.service-order+xml |

| | |
|----------|---|
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml |
| Produces | Modifies a saved E-LAN BGP service order with MC-LAG interfaces. |

Input (Ethernet LDP)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>MC_LAG_Modify_API_002</Name>
        <Comments>rtert</Comments>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junos-mx240-space</DeviceName>
            <DeviceID>524419</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/7</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
            <PEDevLoopBackIP>30.1.2.1</PEDevLoopBackIP>
            <EndPointCategory>PTP</EndPointCategory>
            <UNIDescription>gfhgfhg</UNIDescription>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
        <BackUpSettings>
          <Enable>true</Enable>
          <DeviceInfo>
            <NA>
              <DeviceName>junos-space5</DeviceName>
```

```

        <DeviceID>525453</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge-0/1/7</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
        </ServiceEndpointConfiguration>
        <Description>gfhgfhg</Description>
    </ServiceEndPoint>
</BackUpSettings>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DeviceInfo>
<NA>
        <DeviceName>junos-mx80-1-space</DeviceName>
        <DeviceID>524367</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge-1/0/9</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
        <PEDevLoopBackIP>30.1.2.5</PEDevLoopBackIP>
        <EndPointCategory>PTP</EndPointCategory>
        <UNIDescription>rthyrthy</UNIDescription>
    </ServiceEndpointConfiguration>
    </ServiceEndPoint>
<BackUpSettings>
    <Enable>true</Enable>
    <DeviceInfo>
        <NA>
            <DeviceName>junos-space3</DeviceName>
            <DeviceID>525483</DeviceID>
        </NA>
    </DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ae2</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

```

```

xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
    </ServiceEndpointConfiguration>
    <Description>rthyrthy</Description>
</ServiceEndPoint>
</BackUpSettings>
</ServiceEndPointGroup>
<ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPConfigParameterOrderType">
    <VlanNormalization>Normalization not required</VlanNormalization>
    <EnableMCLAG>true</EnableMCLAG>
</ServiceOrderParameter>
<Reference>
    <Customer key="525504"/>
    <ServiceDefinition>
        <ServiceDefinitionID key="394022"/>
    </ServiceDefinition>
    <Service key="819243"/>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
      <Identity>
        <Type>ServiceOrder</Type>
        <Value>819399</Value>
      </Identity>
      <Job>
        <ID>327782</ID>
        <Status>INPROGRESS</Status>
      </Job>
    </Status>
  </Data>

```

```
<Code>200</Code>
<Message>The Service Order Modified Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Get an E-LAN Service Order with Default Service Template By Order ID

This request is used to retrieve the details of a particular E-LAN service order with default service template, based on the service order ID.

| | |
|-------------|---|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/ <serviceorder-Id> |
| HTTP Method | GET |
| Consumes | application/vnd.netjuniperspace.service-management.service-order+xml |
| Produces | Collects the details of a specific E-LAN service order with default service template. |

Output (E-LAN BGP)

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder key="1048646"
uri="/api/space/nsas/elan-vpls/service-management/service-orders/1048646"
href="/api/space/nsas/elan-vpls/service-management/service-orders/1048646">
      <Common>
        <Name>test_SO_vpls_bgp</Name>
        <Identity>1048646</Identity>
        <State>Requested</State>
        <CreateDate>2015-02-23T16:58:57.000+05:30</CreateDate>
```

```

    <LastUpdatedDate>2015-02-23T16:58:56.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <ServiceType>Multipoint-to-Multipoint Ethernet (VPLS)</ServiceType>
  <Signaling>BGP</Signaling>
  <Action>Provisioning</Action>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA key="524388" uri="/api/space/nsas/device-roles/pe-devices/524388"
href="/api/space/nsas/device-roles/pe-devices/524388">
        <DeviceName>junos-spacel</DeviceName>
        <DeviceID>524388</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>xe-0/3/1</InterfaceName>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPPEndPointConfigParameterOrderType">
        <PhysicalEncapsulation>ethernet-vpls</PhysicalEncapsulation>
        <UNIDescription>N/A</UNIDescription>
        <MTU>1522</MTU>
        <MACLearning>true</MACLearning>
        <InterfaceMACLimit>1024</InterfaceMACLimit>
        <MACStatistics>false</MACStatistics>
        <MACTableSize>5120</MACTableSize>
        <UnitId>0</UnitId>
      </ServiceEndpointConfiguration>
    <ServiceTemplates>
      <ServiceTemplate
href="/api/space/nsas/elan-vpls/service-management/service-templates/950296"
uri="/api/space/nsas/elan-vpls/service-management/service-templates/950296"
key="950296">
        <ID>950296</ID>
        <ConfigParams>
          <Name>Outer</Name>
          <Value>45</Value>
          <Decommission>false</Decommission>
          <SvcSpecificValue>false</SvcSpecificValue>
          <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
      <ConfigParams>

```

```

        <Name>Inner</Name>
        <Value>1</Value>
        <Decommission>>false</Decommission>
        <SvcSpecificValue>>false</SvcSpecificValue>
        <ConfigPageName>cp1</ConfigPageName>
    </ConfigParams>
</ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA key="524302" uri="/api/space/nsas/device-roles/pe-devices/524302"
href="/api/space/nsas/device-roles/pe-devices/524302">
            <DeviceName>junos-mx240-space</DeviceName>
            <DeviceID>524302</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/0/4</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">
            <PhysicalEncapsulation>ethernet-vpls</PhysicalEncapsulation>
            <UNIDescription>N/A</UNIDescription>
            <MTU>1522</MTU>
            <MACLearning>true</MACLearning>
            <InterfaceMACLimit>1024</InterfaceMACLimit>
            <MACStatistics>>false</MACStatistics>
            <MACTableSize>5120</MACTableSize>
            <UnitId>0</UnitId>
        </ServiceEndpointConfiguration>
    <ServiceTemplates>
        <ServiceTemplate
href="/api/space/nsas/elan-vpls/service-management/service-templates/950296"
uri="/api/space/nsas/elan-vpls/service-management/service-templates/950296"
key="950296">
            <ID>950296</ID>
            <ConfigParams>
                <Name>Outer</Name>
                <Value>45</Value>
                <Decommission>>false</Decommission>

```

```

        <SvcSpecificValue>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
    <ConfigParams>
        <Name>Inner</Name>
        <Value>1</Value>
        <Decommission>false</Decommission>
        <SvcSpecificValue>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
</ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterOrderType">
    <TrafficType>Transport using port</TrafficType>
    <RouteTarget>69:1454096385</RouteTarget>
    <VLANNormalization>Normalize to Dot1q</VLANNormalization>
    <Dot1QVLANTag>1</Dot1QVLANTag>
    <RouteDistinguisher>69:2147467265</RouteDistinguisher>
    <MTUFactor>10</MTUFactor>
</ServiceOrderParameter>
<Reference>
    <Customer uri="/api/space/nsas/customer-management/customers/524288"
href="/api/space/nsas/customer-management/customers/524288" key="524288"/>
    <ServiceDefinition>
        <ServiceDefinitionID
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/1048576"
href="/api/space/nsas/elan-vpls/service-management/service-definitions/1048576"
key="1048576"/>
    </ServiceDefinition>
    </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Create an E-LAN Service Order with Default Service Template

This request is used to create an E-LAN service order configured with default service template.

| | |
|--------------|--|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-order+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml;version=2 |
| Produces | Creates an E-LAN service order configured with default service template. |

The XPath tag in a service template attribute is optional and we recommend that you use this tag.

Input (E-LAN BGP)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>testVplsbgpSO_1defTemp_API_1</Name>
      </Common>
      <ServiceType>Multipoint-to-Multipoint Ethernet (VPLS)</ServiceType>
      <Signaling>BGP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>AS_PE2</DeviceName>
            <DeviceID>524513</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/5</InterfaceName>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>
</Data>
```

```

    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">
    <UNIDescription>N/A</UNIDescription>
    </ServiceEndpointConfiguration>
    <ServiceTemplates>
    <ServiceTemplate>
    <ID>66317</ID>
    <ConfigParams>
    <Name>Name</Name>
    <Value>testname123</Value>
    <Decommission>>false</Decommission>
    <SvcSpecificValue>>false</SvcSpecificValue>
    <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
    </ServiceTemplate>
    </ServiceTemplates>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
    <NA>
    <DeviceName>junos-mx240-space</DeviceName>
    <DeviceID>524300</DeviceID>
    </NA>
    </DeviceInfo>
    <ServiceEndPoint>
    <InterfaceName>ge-0/0/3</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">
    <UNIDescription>N/A</UNIDescription>
    </ServiceEndpointConfiguration>
    <ServiceTemplates>
    <ServiceTemplate>
    <ID>66317</ID>
    <ConfigParams>
    <Name>Name</Name>
    <Value>testname123</Value>
    <Decommission>>false</Decommission>
    <SvcSpecificValue>>false</SvcSpecificValue>
    <ConfigPageName>cpl</ConfigPageName>

```

```

        </ConfigParams>
    </ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterOrderType">
    <Dot1QVLANTag>100</Dot1QVLANTag>
</ServiceOrderParameter>
<Reference>
    <Customer key="524288" />
    <ServiceDefinition>
        <ServiceDefinitionID key="852004" />
    </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Sample XML Input (With XPath)

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>testVplsbgpSO_1defTemp_API_1</Name>
      </Common>
      <ServiceType>Multipoint-to-Multipoint Ethernet (VPLS)</ServiceType>
      <Signaling>BGP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>AS_PE2</DeviceName>
            <DeviceID>524513</DeviceID>
          </NA>
        </DeviceInfo>
      </ServiceEndPoint>
    </ServiceOrder>
  </ServiceResource>
</Data>

```

```

        <InterfaceName>ge-0/0/5</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">
            <UNIDescription>N/A</UNIDescription>
        </ServiceEndpointConfiguration>
        <ServiceTemplates>
            <ServiceTemplate>
                <ID>66317</ID>
                <ConfigParams>
                    <Name>Name</Name>
                    <Value>testname123</Value>
                    <Decommission>>false</Decommission>
                    <SvcSpecificValue>>false</SvcSpecificValue>
                    <ConfigPageName>cpl</ConfigPageName>
                </ConfigParams>
            </ServiceTemplate>
            <ServiceTemplate>
                <ID>6357015</ID>
                <ConfigParams>
                    <Name>Description</Name>
                    <Value>DemoDescription</Value>
                    <Xpath>/configuration/cpl/interface/description</Xpath>
                    <Decommission>>false</Decommission>
                    <SvcSpecificValue>>false</SvcSpecificValue>
                    <ConfigPageName>cpl</ConfigPageName>
                </ConfigParams>
            </ServiceTemplate>
        </ServiceTemplates>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA>
            <DeviceName>junos-mx240-space</DeviceName>
            <DeviceID>524300</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/0/3</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

```

```

xsi:type="VPLSBGPEndPointConfigParameterOrderType">
    <UNIDescription>N/A</UNIDescription>
</ServiceEndpointConfiguration>
<ServiceTemplates>
    <ServiceTemplate>
        <ID>66317</ID>
        <ConfigParams>
            <Name>Name</Name>
            <Value>testname123</Value>
            <Decommission>>false</Decommission>
            <SvcSpecificValue>>false</SvcSpecificValue>
            <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
    </ServiceTemplate>
    <ServiceTemplate>
        <ID>6357015</ID>
        <ConfigParams>
            <Name>Description</Name>
            <Value>DemoDescription</Value>
            <Xpath>/configuration/cpl/interface/description</Xpath>
            <Decommission>>false</Decommission>
            <SvcSpecificValue>>false</SvcSpecificValue>
            <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
    </ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterOrderType">
    <Dot1QVLANTag>100</Dot1QVLANTag>
</ServiceOrderParameter>
<Reference>
    <Customer key="524288" />
    <ServiceDefinition>
        <ServiceDefinitionID key="852004" />
    </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Input (E-LAN LDP)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>VPLSLDPS03</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junos-mx80-1-space</DeviceName>
            <DeviceID>720976</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/0/8</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSLDPEndPointConfigParameterOrderType">
            </ServiceEndpointConfiguration>
          </ServiceEndPoint>
          <ServiceTemplate>
            <ID>66317</ID>
            <ConfigParams>
              <Name>Name</Name>
              <Value>testname123</Value>
              <Decommission>>false</Decommission>
              <SvcSpecificValue>>false</SvcSpecificValue>
              <ConfigPageName>cpl</ConfigPageName>
            </ConfigParams>
          </ServiceTemplate>
        </ServiceTemplates>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>
</Data>
```

```

<DeviceInfo>
  <NA>
    <DeviceName>junos-mx80-2-space</DeviceName>
    <DeviceID>721020</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-1/0/6</InterfaceName>
  <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSLDPEndPointConfigParameterOrderType">
    </ServiceEndpointConfiguration>
  <ServiceTemplate>
    <ID>66317</ID>
    <ConfigParams>
      <Name>Name</Name>
      <Value>testname123</Value>
      <Decommission>>false</Decommission>
      <SvcSpecificValue>>false</SvcSpecificValue>
      <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
  </ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterOrderType">
  <Dot1QVLANTag> 309 </Dot1QVLANTag>
</ServiceOrderParameter>
<Reference>
  <Customer key="720896"/>
  <ServiceDefinition>
    <ServiceDefinitionID key="1376402"/>
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Sample XML Input (With XPath)

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>VPLSLDPS03</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junos-mx80-1-space</DeviceName>
            <DeviceID>720976</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/0/8</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSLDPEndPointConfigParameterOrderType">
            </ServiceEndpointConfiguration>
          </ServiceEndPoint>
          <ServiceTemplates>
            <ServiceTemplate>
              <ID>66317</ID>
              <ConfigParams>
                <Name>Name</Name>
                <Value>testname123</Value>
                <Decommission>>false</Decommission>
                <SvcSpecificValue>>false</SvcSpecificValue>
                <ConfigPageName>cpl</ConfigPageName>
              </ConfigParams>
            </ServiceTemplate>
            <ServiceTemplate>
              <ID>6357015</ID>
              <ConfigParams>
                <Name>Description</Name>
                <Value>DemoDescription</Value>
                <Xpath>/configuration/cpl/interface/description</Xpath>
                <Decommission>>false</Decommission>
                <SvcSpecificValue>>false</SvcSpecificValue>
                <ConfigPageName>cpl</ConfigPageName>
              </ConfigParams>
            </ServiceTemplate>
          </ServiceTemplates>
        </ServiceEndPoint>
      </ServiceOrder>
    </ServiceResource>
  </Data>

```

```

        </ServiceTemplates>
    </ServiceEndPointGroup>
    <ServiceEndPointGroup>
        <DeviceInfo>
            <NA>
                <DeviceName>junos-mx80-2-space</DeviceName>
                <DeviceID>721020</DeviceID>
            </NA>
        </DeviceInfo>
        <ServiceEndPoint>
            <InterfaceName>ge-1/0/6</InterfaceName>
            <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSLDPEndPointConfigParameterOrderType">
                </ServiceEndpointConfiguration>
                <ServiceTemplates>
                    <ServiceTemplate>
                        <ID>66317</ID>
                        <ConfigParams>
                            <Name>Name</Name>
                            <Value>testname123</Value>
                            <Decommission>>false</Decommission>
                            <SvcSpecificValue>>false</SvcSpecificValue>
                            <ConfigPageName>cpl</ConfigPageName>
                        </ConfigParams>
                    </ServiceTemplate>
                    <ServiceTemplate>
                        <ID>6357015</ID>
                        <ConfigParams>
                            <Name>Description</Name>
                            <Value>DemoDescription</Value>
                            <Xpath>/configuration/cpl/interface/description</Xpath>
                            <Decommission>>false</Decommission>
                            <SvcSpecificValue>>false</SvcSpecificValue>
                            <ConfigPageName>cpl</ConfigPageName>
                        </ConfigParams>
                    </ServiceTemplate>
                </ServiceTemplates>
            </ServiceEndPoint>
        </ServiceEndPointGroup>
        <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterOrderType">

```

```

    <Dot1QVLANTag> 309 </Dot1QVLANTag>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="720896"/>
    <ServiceDefinition>
      <ServiceDefinitionID key="1376402"/>
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>6553609</Value>
    </Identity>
    <Job>
      <ID>1998898</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service Order Created Successfully and Deployment is in Progress.
    Please check the status using the JOB ID.</Message>
  </Status>
</Data>

```

Modify an E-LAN Service Order with Default Service Template

This request is used to modify an E-LAN service order configured with default service template.

URI

api/space/nsas/elan-vpls/service-management/service-orders/

| | |
|--------------|---|
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. modify-service-order+xml; version=2; charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml; version=2 |
| Produces | Modifies an E-LAN service order configured with default service template. |

The XPath tag in a service template attribute is optional and we recommend that you use this tag.

Input (E-LAN BGP)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource>
  <ServiceOrder>
    <Common>
      <Name>testVplsbgpSO_defTemp_API_1M0</Name>
    </Common>
    <ServiceType>Multipoint-to-Multipoint Ethernet (VPLS)</ServiceType>
    <Signaling>BGP</Signaling>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <NA>
          <DeviceName>AS_PE2</DeviceName>
          <DeviceID>524513</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-0/0/5</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">
          <UNIDescription>005</UNIDescription>
        </ServiceEndpointConfiguration>
      <ServiceTemplates>
        <ServiceTemplate>
```

```

        <ID>66317</ID>
        <ConfigParams>
            <Name>Name</Name>
            <Value>testname345</Value>
            <Decommission>>false</Decommission>
            <SvcSpecificValue>>false</SvcSpecificValue>
            <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
    </ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA>
            <DeviceName>junos-mx240-space</DeviceName>
            <DeviceID>524300</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/0/3</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPPEndPointConfigParameterOrderType">
            <UNIDescription>N/A</UNIDescription>
        </ServiceEndpointConfiguration>
    <ServiceTemplates>
        <ServiceTemplate>
            <ID>66317</ID>
            <ConfigParams>
                <Name>Name</Name>
                <Value>testname345</Value>
                <Decommission>>false</Decommission>
                <SvcSpecificValue>>false</SvcSpecificValue>
                <ConfigPageName>cpl</ConfigPageName>
            </ConfigParams>
        </ServiceTemplate>
    </ServiceTemplates>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

```

```

xsi:type="VPLSConfigParameterOrderType">
  <Dot1QVLANTag>100</Dot1QVLANTag>
</ServiceOrderParameter>
<Reference>
  <Customer key="524288"/>
  <ServiceDefinition>
    <ServiceDefinitionID key="852004"/>
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Sample XMLInput (With XPath)

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource>
  <ServiceOrder>
    <Common>
      <Name>testVplsbgpSO_defTemp_API_1M0</Name>
    </Common>
    <ServiceType>Multipoint-to-Multipoint Ethernet (VPLS)</ServiceType>
    <Signaling>BGP</Signaling>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <NA>
          <DeviceName>AS_PE2</DeviceName>
          <DeviceID>524513</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-0/0/5</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">
          <UNIDescription>005</UNIDescription>
        </ServiceEndpointConfiguration>
      <ServiceTemplates>
        <ServiceTemplate>

```

```

    <ID>66317</ID>
    <ConfigParams>
      <Name>Name</Name>
      <Value>testname345</Value>
      <Decommission>>false</Decommission>
      <SvcSpecificValue>>false</SvcSpecificValue>
      <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
  </ServiceTemplate>
</ServiceTemplate>
<ID>6357015</ID>
<ConfigParams>
  <Name>Description</Name>
  <Value>DemoDescription</Value>
  <Xpath>/configuration/cpl/interface/description</Xpath>
  <Decommission>>false</Decommission>
  <SvcSpecificValue>>false</SvcSpecificValue>
  <ConfigPageName>cpl</ConfigPageName>
</ConfigParams>
</ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA>
      <DeviceName>junos-mx240-space</DeviceName>
      <DeviceID>524300</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/0/3</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPPEndPointConfigParameterOrderType">
      <UNIDescription>N/A</UNIDescription>
    </ServiceEndpointConfiguration>
  </ServiceTemplates>
  <ServiceTemplate>
    <ID>66317</ID>
    <ConfigParams>
      <Name>Name</Name>

```

```

        <Value>testname345</Value>
        <Decommission>>false</Decommission>
        <SvcSpecificValue>>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
</ServiceTemplate>
<ServiceTemplate>
    <ID>6357015</ID>
    <ConfigParams>
        <Name>Description</Name>
        <Value>DemoDescription</Value>
        <Xpath>/configuration/cpl/interface/description</Xpath>
        <Decommission>>false</Decommission>
        <SvcSpecificValue>>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
</ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
    <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterOrderType">
        <Dot1QVLANTag>100</Dot1QVLANTag>
    </ServiceOrderParameter>
    <Reference>
        <Customer key="524288"/>
        <ServiceDefinition>
            <ServiceDefinitionID key="852004"/>
        </ServiceDefinition>
    </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Input (E-LAN LDP)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
href="/api/space/nsas/elan-vpls/service-management/service-orders/1146962"
uri="/api/space/nsas/elan-vpls/service-management/service-orders/1146962"
key="1146962">
      <Common>
        <Name>Test-SO-VPLS-LDP</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/device-roles/pe-devices/786448"
uri="/api/space/nsas/device-roles/pe-devices/786448" key="786448">
            <DeviceName>exora</DeviceName>
            <DeviceID>786448</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/2</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSLDPEndPointConfigParameterOrderType">
            <UNIDescription>For Testing...</UNIDescription>
          </ServiceEndpointConfiguration>
          <ServiceTemplates>
            <ServiceTemplate>
              <ID>66317</ID>
              <ConfigParams>
                <Name>Name</Name>
                <Value>testname345</Value>
                <Decommission>>false</Decommission>
                <SvcSpecificValue>>false</SvcSpecificValue>
                <ConfigPageName>cpl</ConfigPageName>
              </ConfigParams>
            </ServiceTemplate>
          </ServiceTemplates>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/device-roles/pe-devices/786501"
uri="/api/space/nsas/device-roles/pe-devices/786501" key="786501">

```

```

        <DeviceName>junos-mx240-space</DeviceName>
        <DeviceID>786501</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge-0/0/3</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSLDPEndPointConfigParameterOrderType">
        <UNIDescription>For Testing...</UNIDescription>
    </ServiceEndpointConfiguration>
<ServiceTemplates>
    <ServiceTemplate>
        <ID>66317</ID>
        <ConfigParams>
            <Name>Name</Name>
            <Value>testname345</Value>
            <Decommission>>false</Decommission>
            <SvcSpecificValue>>false</SvcSpecificValue>
            <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
    </ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
    <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterOrderType">
        </ServiceOrderParameter>
        <Reference>
            <Customer key="1179648"
href="/api/space/nsas/customer-management/customers/1179648"
uri="/api/space/nsas/customer-management/customers/1179648"/>
                <ServiceDefinition>
                    <ServiceDefinitionID key="1146906"
href="/api/space/nsas/elan-vpls/service-management/service-definitions/1146906"
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/1146906"/>

                </ServiceDefinition>
            </Reference>
        </ServiceOrder>
    </ServiceResource>

```

```

    <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
      <Action>SaveAndValidate</Action>
    </CustomAction>
  </Data>

```

Sample XMLInput (With XPath)

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
href="/api/space/nsas/elan-vpls/service-management/service-orders/1146962"
uri="/api/space/nsas/elan-vpls/service-management/service-orders/1146962"
key="1146962">
      <Common>
        <Name>Test-SO-VPLS-LDP</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/device-roles/pe-devices/786448"
uri="/api/space/nsas/device-roles/pe-devices/786448" key="786448">
            <DeviceName>exora</DeviceName>
            <DeviceID>786448</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/2</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSLDPEndPointConfigParameterOrderType">
            <UNIDescription>For Testing...</UNIDescription>
          </ServiceEndpointConfiguration>
          <ServiceTemplates>
            <ServiceTemplate>
              <ID>66317</ID>
              <ConfigParams>
                <Name>Name</Name>
                <Value>testname345</Value>
                <Decommission>>false</Decommission>
              </ConfigParams>
            </ServiceTemplate>
          </ServiceTemplates>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>
</Data>

```

```

        <SvcSpecificValue>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
</ServiceTemplate>
<ServiceTemplate>
    <ID>6357015</ID>
    <ConfigParams>
        <Name>Description</Name>
        <Value>DemoDescription</Value>
        <Xpath>/configuration/cpl/interface/description</Xpath>
        <Decommission>false</Decommission>
        <SvcSpecificValue>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
</ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA href="/api/space/nsas/device-roles/pe-devices/786501"
uri="/api/space/nsas/device-roles/pe-devices/786501" key="786501">
            <DeviceName>junos-mx240-space</DeviceName>
            <DeviceID>786501</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/0/3</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSLDPEndPointConfigParameterOrderType">
            <UNIDescription>For Testing...</UNIDescription>
        </ServiceEndpointConfiguration>
    </ServiceTemplates>
    <ServiceTemplate>
        <ID>66317</ID>
        <ConfigParams>
            <Name>Name</Name>
            <Value>testname345</Value>
            <Decommission>false</Decommission>
            <SvcSpecificValue>false</SvcSpecificValue>
            <ConfigPageName>cpl</ConfigPageName>

```

```

        </ConfigParams>
    </ServiceTemplate>
    <ServiceTemplate>
        <ID>6357015</ID>
        <ConfigParams>
            <Name>Description</Name>
            <Value>DemoDescription</Value>
            <Xpath>/configuration/cpl/interface/description</Xpath>
            <Decommission>false</Decommission>
            <SvcSpecificValue>false</SvcSpecificValue>
            <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
    </ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterOrderType">
    </ServiceOrderParameter>
    <Reference>
        <Customer key="1179648"
href="/api/space/nsas/customer-management/customers/1179648"
uri="/api/space/nsas/customer-management/customers/1179648"/>
        <ServiceDefinition>
            <ServiceDefinitionID key="1146906"
href="/api/space/nsas/elan-vpls/service-management/service-definitions/1146906"
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/1146906"/>

        </ServiceDefinition>
    </Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndValidate</Action>
</CustomAction>
</Data>

```

Output

Sample XML Output

```

    <Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>459190</Value>
    </Identity>
    <Job>
      <ID>196671</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Order Modified Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
  </Status>
</Data>

```

Get Job Details By Job ID for an E-LAN Service Order

This request is used to obtain the details of a specific job, based on its unique identifier.

| | |
|----------------------------|--|
| New Parameters | "getJobDetailsForRequest" |
| Description of the Changes | "This API is to display the job details as a device view. Previously, the job summary was shown when you double-clicked the link in a job ID. With this new REST API call, job details are filtered on the basis of each device. |
| HTTP Method | GET |
| URI | /api/space/nsas/elan-vpls/service-management/service-orders/jobld |
| Consumes | application/vnd.net.juniper.space.service-management.service-orders+json;version=2 |
| Produces | Retrieves the details of a particular job. |
| Mandatory Parameters | jobID |

Output

Sample JSONOutput

```
{
  "Data": {
    "JobDetailsType": {
      "jobDetailType": [
        {
          "nodeName": "960R1_EN_Alok_re",
          "statusMessage": "Endpoint cannot be provisioned since validation
failed for other devices.",
          "jobStatus": "INVALID",
          "serviceName": "Test2Devices"
        },
        {
          "nodeName": "960R2_EN_Alok_re",
          "statusMessage": "Validation Error on
Device:<b>[960R2_EN_Alok_re]</b>
\n{Interface ge-0/0/4 has existing encapsulation <br>
flexible-ethernet-services <br>new illegal encapsulation <br>
ethernet-vpls= , Physical Encap flexible-ethernet-services
cannot be overridden by ethernet-vpls= ,
  Cannot change interface encapsulation <br>
<br>flexible-ethernet-services <br>to ethernet-vpls= }\n",
          "jobStatus": "INVALID",
          "serviceName": "Test2Devices"
        }
      ]
    }
  }
}
```

Create a Point-to-Multipoint E-LAN BGP Service Order (Version 2)

This request is used to create a point-to-multipoint E-LAN BGP service order in version 2 format.

NOTE: If you are using a point-to-point spoke, you must not include the <BackupNeighbourHub> tag. Also, the following parameters are mandatory when you create a service order in version 2 format:

```
<RouteDistinguisher AutoPick= "true/false"></RouteDistinguisher>

<HubRouteTarget AutoPick = "true/false"></HubRouteTarget>

<SpokeRouteTarget AutoPick = "true/false"></SpokeRouteTarget>

<RouteTarget AutoPick ="true/false"></RouteTarget>

<RouteTarget_AutoPick>true/false</RouteTarget_AutoPick>
```

| | |
|--------------|--|
| URI | api/space/nsas/elan-vpls/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-order+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml;version=2 |
| Produces | Creates a point-to-multipoint E-LAN BGP service order. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>Test_VPLS_BGP_SO2</Name>
      </Common>
      <ServiceType>Point-to-Multipoint Ethernet (VPLS)</ServiceType>
      <Signaling>BGP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
```

```

<DeviceInfo>
  <NA>
    <DeviceName>MK-RouA-re</DeviceName>
    <DeviceID>720904</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-0/1/7</InterfaceName>
  <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSBGP endPointConfigParameterOrderType">
    <UNIDescription>I'm a P2P spoke</UNIDescription>

    <Hub>false</Hub>
    <EnableP2PSpoke>true</EnableP2PSpoke>

<AutoPickVCID>false</AutoPickVCID>
                                <VCID>100</VCID>
    <HubConnectivityName>MG_Default</HubConnectivityName>
    <NeighbourHub>MK-RouB-re</NeighbourHub>
    <BackupNeighbourHub> MK-RouC-re </BackupNeighbourHub>
  </ServiceEndpointConfiguration>
</ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="557113" uri="/api/space/nsas/device-roles/pe-devices/557113"
href="/api/space/nsas/device-roles/pe-devices/557113">
    <DeviceName>MK-RouC-re</DeviceName>
    <DeviceID>720906</DeviceID>
  </NA>
</DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ae9</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSBGP endPointConfigParameterOrderType">
    <UNIDescription>This neighbour hub for p2p spoke</UNIDescription>

    <Hub>true</Hub>
  </ServiceEndpointConfiguration>

```

```

        <ServiceTemplates/>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA key="557209" uri="/api/space/nsas/device-roles/pe-devices/557209"
href="/api/space/nsas/device-roles/pe-devices/557209">
            <DeviceName>MK-RouB-re</DeviceName>
            <DeviceID>720906</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/1/2</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSBGP endPointConfigParameterOrderType">
            <UNIDescription>N/A</UNIDescription>

            <Hub>true</Hub>
        </ServiceEndpointConfiguration>
        <ServiceTemplates/>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterOrderType">
    <Dot1QVLANTag>123</Dot1QVLANTag>
    <RouteDistinguisher AutoPick= "true"></RouteDistinguisher>
    <HubRouteTarget AutoPick = "true"></HubRouteTarget>
        <SpokeRouteTarget AutoPick = "true"></SpokeRouteTarget>
        <RouteTarget AutoPick = "true"></RouteTarget>
        <RouteTarget_AutoPick>true</RouteTarget_AutoPick>

</ServiceOrderParameter>
<Reference>
    <Customer key="721011"/>
    <ServiceDefinition>
        <ServiceDefinitionID key="426205"/>
    </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
      <Identity>
        <Type>ServiceOrder</Type>
        <Value>1015920</Value>
      </Identity>
      <Job>
        <ID>295138</ID>
        <Status>INPROGRESS</Status>
      </Job>
      <Code>200</Code>
      <Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
    </Status>
  </Data>
```

Create an E-LAN Service Order to Create an LSP

This request is used to create an E-LAN service order for creating an LSP.

| | |
|---------------|--|
| URL | /api/space/nsas/csd/service-order |
| HTTP Method | POST |
| Sample URL | https://192.0.2.10:8443/api/space/nsas/csd/service-order |
| Accept Header | application/xml |
| Content Type | application/xml |

Input

Sample XML Input

```

"<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>Elan_CreateLSP</Name>
        <CustomerName>Juniper</CustomerName>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceEndPointGroup>

<DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
      <DeviceInfo>
        <NA>
          <DeviceName>SG4re</DeviceName>
          <DeviceID>3</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-0/0/7</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">
          <Hub>false</Hub>
          <UnitId>67</UnitId>
          <VlanId>67</VlanId>
          <MTU>1522</MTU>
          <Bandwidth>10</Bandwidth>
          <MACLearning>true</MACLearning>
          <InterfaceMACLimit>1024</InterfaceMACLimit>
          <MACTableSize>5120</MACTableSize>
        </ServiceEndpointConfiguration>
      </ServiceEndPoint>
    </ServiceEndPointGroup>
  </ServiceEndPointGroup>

<DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
      <DeviceInfo>
        <NA>
          <DeviceName>SG2re</DeviceName>
          <DeviceID>2</DeviceID>
        </NA>

```

```

        </DeviceInfo>
        <ServiceEndPoint>
            <InterfaceName>ge-0/0/6</InterfaceName>
            <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">
                <Hub>false</Hub>
                <UnitId>67</UnitId>
                <VlanId>67</VlanId>
                <MTU>1522</MTU>
                <Bandwidth>10</Bandwidth>
                <MACLearning>true</MACLearning>
                <InterfaceMACLimit>1024</InterfaceMACLimit>
                <MACTableSize>5120</MACTableSize>
            </ServiceEndpointConfiguration>
        </ServiceEndPoint>
    </ServiceEndPointGroup>
    <LspServiceDefinition>
        <ServiceDefinitionID key="8" />
    </LspServiceDefinition>
    <LSPPattern key="1" />
    <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterOrderType">
        <HubRouteTarget_AutoPick />
        <SpokeRouteTarget_AutoPick />
        <RouteDistinguisher AutoPick="true" />
        <RouteTarget AutoPick="true" />
        <MTUFactor>10</MTUFactor>
    </ServiceOrderParameter>
    <Reference>
        <Customer key="1" />
        <ServiceDefinition>
            <ServiceDefinitionID key="1" />
        </ServiceDefinition>
        <Service key="undefined" />
    </Reference>
</ServiceOrder>
</ServiceResource>
    <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
        <Action>SaveAndValidate</Action>

```

```
        </CustomAction>
    </Data>"
"
```

Output

Sample XML Output

```
"<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>196608</Value>
    </Identity>
    <Job>
      <ID>917519</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
  </Status>
</Data>"
"
```

Get an E-LAN Service Order to Create an LSP

This request is used to retrieve an E-LAN service order for creating an LSP.

| | |
|-------------|--|
| URL | /api/space/nsas/elan-vpls/service-management/service-orders/paging/<orderID> |
| HTTP Method | GET |
| Sample URL | https://192.0.2.10:8443/api/space/nsas/elan-vpls/service-management/service-orders/paging/196608 |
| Accept | application/vnd.net.juniper.space.service-management.service-order+xml;version=2; |

| | |
|--------------|---|
| Content Type | application/vnd.net.juniper.space.service-management.service-order+xml;version=2;charset=UTF-8; |
|--------------|---|

Input

Not Applicable

Output**Sample XML Output**

```

<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder key="196608"
uri="/api/space/nsas/elan-vpls/service-management/service-orders/196608"
href="/api/space/nsas/elan-vpls/service-management/service-orders/196608">

      <Common>
        <Name>Elan_CreateLSP</Name>
        <Identity>196608</Identity>
        <State>Validated</State>
        <ScheduledState>Validated</ScheduledState>
        <CreatedDate>2018-06-20T23:28:22.000+05:30</CreatedDate>
        <LastUpdatedDate>2018-06-20T23:28:22.000+05:30</LastUpdatedDate>

        <CreatedBy>super</CreatedBy>
        <InstanceType>vpls</InstanceType>
        <Protocol>vpls</Protocol>
      </Common>
      <ServiceType>Multipoint-to-Multipoint Ethernet (VPLS)</ServiceType>

      <JobIdsList>917519</JobIdsList>
      <LSPPattern
href="/api/space/nsas/lsp-pattern/service-management/service-patterns/1"
uri="/api/space/nsas/lsp-pattern/service-management/service-patterns/1"
key="1">
        <PatternName>Default LSP Pattern</PatternName>
        <PatternID>1</PatternID>
      </LSPPattern>
      <Signaling>BGP</Signaling>
      <Action>Provisioning</Action>
      <endpointcount>2</endpointcount>
    </ServiceOrder>
  </ServiceResource>
</Data>

```

```

    <ServiceEndPointGroup>
      <DeviceInfo>
        <NA key="2" uri="/api/space/nsas/device-roles/pe-devices/2"
href="/api/space/nsas/device-roles/pe-devices/2">
          <DeviceName>SG2re</DeviceName>
          <DeviceID>2</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-0/0/6</InterfaceName>
        <InterfaceStatus>up</InterfaceStatus>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">

<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
          <EthernetOption>qinq</EthernetOption>
          <UNIDescription>N/A</UNIDescription>
          <VlanId>67</VlanId>
          <MTU>1522</MTU>
          <Bandwidth unit="Mbps">10</Bandwidth>
          <MACLearning>true</MACLearning>
          <InterfaceMACLimit>1024</InterfaceMACLimit>
          <MACStatistics>false</MACStatistics>
          <MACTableSize>5120</MACTableSize>
          <OuterTPID>None</OuterTPID>
          <UnitId>67</UnitId>
          <CFMIntfEnabled>false</CFMIntfEnabled>
        </ServiceEndpointConfiguration>
        <ServiceTemplates />
        <OppType>ADD</OppType>
      </ServiceEndPoint>
    </ServiceEndPointGroup>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <NA key="3" uri="/api/space/nsas/device-roles/pe-devices/3"
href="/api/space/nsas/device-roles/pe-devices/3">
          <DeviceName>SG4re</DeviceName>
          <DeviceID>3</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>

```

```

        <InterfaceName>ge-0/0/7</InterfaceName>
        <InterfaceStatus>up</InterfaceStatus>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPtConfigParameterOrderType">

<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
        <EthernetOption>qinq</EthernetOption>
        <UNIDescription>N/A</UNIDescription>
        <VlanId>67</VlanId>
        <MTU>1522</MTU>
        <Bandwidth unit="Mbps">10</Bandwidth>
        <MACLearning>true</MACLearning>
        <InterfaceMACLimit>1024</InterfaceMACLimit>
        <MACStatistics>false</MACStatistics>
        <MACTableSize>5120</MACTableSize>
        <OuterTPID>None</OuterTPID>
        <UnitId>67</UnitId>
        <CFMIntfEnabled>false</CFMIntfEnabled>
        </ServiceEndpointConfiguration>
        <ServiceTemplates />
        <OppType>ADD</OppType>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterOrderType">
        <TrafficType>Transport all traffic</TrafficType>
        <RouteTarget>100:10</RouteTarget>
        <VLANNormalization>Not Normalized</VLANNormalization>
        <RouteDistinguisher>100:14</RouteDistinguisher>
        <MTUFactor>10</MTUFactor>
    </ServiceOrderParameter>
    <Reference>
        <Customer uri="/api/space/nsas/customer-management/customers/1"
href="/api/space/nsas/customer-management/customers/1" key="1">
            <CustomerName>Juniper</CustomerName>
        </Customer>
        <ServiceDefinition>
            <ServiceDefinitionID
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/1"
href="/api/space/nsas/elan-vpls/service-management/service-definitions/1"

```

```
key=" "1" ">

<ServiceDefinitionName>ELAN-BGP-QinQ-AllVLAN</ServiceDefinitionName>
  </ServiceDefinitionID>
</ServiceDefinition>
  <Service
uri=" "/api/space/nsas/elan-vpls/service-management/services/163840" "
href=" "/api/space/nsas/elan-vpls/service-management/services/163840" "
key=" "163840" " />
  </Reference>
  <LspServiceDefinition>
    <ServiceDefinitionID
uri=" "/api/space/nsas/rsvp-lsp/service-management/service-definitions/8" "
href=" "/api/space/nsas/rsvp-lsp/service-management/service-definitions/8" "
key=" "8" ">
      <ServiceDefinitionName>FullMesh LSP with Node Link
Protection</ServiceDefinitionName>
      </ServiceDefinitionID>
    </LspServiceDefinition>
    <LspId>131073</LspId>
  </ServiceOrder>
</ServiceResource>
</Data> "
"
```

Create an E-LAN Service Order to Associate an LSP

This request is used to create an E-LAN service order for associating it with an LSP.

| | |
|---------------|--|
| URL | /api/space/nsas/csd/service-order |
| HTTP Method | POST |
| Sample URL | https://192.0.2.10:8443/api/space/nsas/csd/service-order |
| Accept Header | application/xml |
| Content Type | application/xml |

Input

Sample XML Input

```

"<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>ELan-AssociateLSP</Name>
        <CustomerName>Juniper</CustomerName>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceEndPointGroup>

<DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
      <DeviceInfo>
        <NA>
          <DeviceName>SG2re</DeviceName>
          <DeviceID>2</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-0/0/6</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">
          <Hub>false</Hub>
          <UnitId>45</UnitId>
          <VlanId>45</VlanId>
          <MTU>1522</MTU>
          <Bandwidth>10</Bandwidth>
          <MACLearning>true</MACLearning>
          <InterfaceMACLimit>1024</InterfaceMACLimit>
          <MACTableSize>5120</MACTableSize>
          <LSPRegex>$Name_to_$Egress</LSPRegex>
        </ServiceEndpointConfiguration>
      </ServiceEndPoint>
    </ServiceEndPointGroup>
  </ServiceEndPointGroup>

<DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
      <DeviceInfo>
        <NA>
          <DeviceName>SG3re</DeviceName>

```

```

        <DeviceID>1</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge-0/0/8</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterOrderType">
        <Hub>false</Hub>
        <UnitId>45</UnitId>
        <VlanId>45</VlanId>
        <MTU>1522</MTU>
        <Bandwidth>10</Bandwidth>
        <MACLearning>true</MACLearning>
        <InterfaceMACLimit>1024</InterfaceMACLimit>
        <MACTableSize>5120</MACTableSize>
        <LSPRegex>$Name_to_$Egress</LSPRegex>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterOrderType">
    <HubRouteTarget_AutoPick />
    <SpokeRouteTarget_AutoPick />
    <RouteDistinguisher AutoPick="true" />
    <RouteTarget AutoPick="true" />
    <MTUFactor>10</MTUFactor>
</ServiceOrderParameter>
<Reference>
    <Customer key="1" />
    <ServiceDefinition>
        <ServiceDefinitionID key="1" />
    </ServiceDefinition>
    <Service key="undefined" />
</Reference>
</ServiceOrder>
</ServiceResource>
    <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsi:type="ServiceOrderCustomActionType">
        <Action>SaveAndValidate</Action>
    </CustomAction>

```

```
</Data>"
"
```

Response

```
" "<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>196609</Value>
    </Identity>
    <Job>
      <ID>917520</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Order Created Successfully and Validation is in Progress.
Please check the status using the JOB ID.</Message>
  </Status>
</Data>"
"
```

Get an E-LAN Service Order to Associate an LSP

This request is used to retrieve an E-LAN service order for associating it with an LSP.

| | |
|--------------|--|
| URL | /api/space/nsas/elan-vpls/service-management/service-orders/paging/<orderID> |
| HTTP Method | GET |
| Sample URL | https://192.0.2.10:8443/api/space/nsas/elan-vpls/service-management/service-orders/paging/196608 |
| Accept | application/vnd.net.juniper.space.service-management.service-order+xml;version=2; |
| Content Type | application/vnd.net.juniper.space.service-management.service-order+xml;version=2;charset=UTF-8; |

Input

Not Applicable

Output

Sample XML Output

```

    "xible-ethernet-services</PhysicalEncapsulation>
        <EthernetOption>qinq</EthernetOption>
        <UNIDescription>N/A</UNIDescription>
        <VlanId>45</VlanId>
        <MTU>1522</MTU>
        <Bandwidth unit="Mbps">10</Bandwidth>
        <MACLearning>true</MACLearning>
        <InterfaceMACLimit>1024</InterfaceMACLimit>
        <MACStatistics>>false</MACStatistics>
        <MACTableSize>5120</MACTableSize>
        <OuterTPID>None</OuterTPID>
        <UnitId>45</UnitId>
        <CFMIntfEnabled>>false</CFMIntfEnabled>
        <LSPRegex>$Name_to_$Egress</LSPRegex>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
    <OppType>ADD</OppType>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA key="1" uri="" /api/space/nsas/device-roles/pe-devices/1"
href="" /api/space/nsas/device-roles/pe-devices/1">
        <DeviceName>SG3re</DeviceName>
        <DeviceID>1</DeviceID>
    </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/0/8</InterfaceName>
        <InterfaceStatus>up</InterfaceStatus>
        <ServiceEndpointConfiguration
xmlns:xsi=""http://www.w3.org/2001/XMLSchema-instance""
xsi:type=""VPLSBGPEndPointConfigParameterOrderType"">

    <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
        <EthernetOption>qinq</EthernetOption>
        <UNIDescription>N/A</UNIDescription>

```

```

        <VlanId>45</VlanId>
        <MTU>1522</MTU>
        <Bandwidth unit="Mbps">10</Bandwidth>
        <MACLearning>true</MACLearning>
        <InterfaceMACLimit>1024</InterfaceMACLimit>
        <MACStatistics>false</MACStatistics>
        <MACTableSize>5120</MACTableSize>
        <OuterTPID>None</OuterTPID>
        <UnitId>45</UnitId>
        <CFMIntfEnabled>false</CFMIntfEnabled>
        <LSPRegex>$Name_to_$Egress</LSPRegex>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
    <OppType>ADD</OppType>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterOrderType">
    <TrafficType>Transport all traffic</TrafficType>
    <RouteTarget>100:11</RouteTarget>
    <VLANNormalization>Not Normalized</VLANNormalization>
    <RouteDistinguisher>100:15</RouteDistinguisher>
    <MTUFactor>10</MTUFactor>
</ServiceOrderParameter>
<Reference>
    <Customer uri="/api/space/nsas/customer-management/customers/1"
href="/api/space/nsas/customer-management/customers/1" key="1">
        <CustomerName>Juniper</CustomerName>
    </Customer>
    <ServiceDefinition>
        <ServiceDefinitionID
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/1"
href="/api/space/nsas/elan-vpls/service-management/service-definitions/1"
key="1">
            <ServiceDefinitionName>ELAN-BGP-QinQ-AllVLAN</ServiceDefinitionName>
        </ServiceDefinitionID>
    </ServiceDefinition>
    <Service
uri="/api/space/nsas/elan-vpls/service-management/services/163841"
href="/api/space/nsas/elan-vpls/service-management/services/163841"

```

```
key="163841" />
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>
"
```

E-LAN Services Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director E-LAN Services Management RESTful Web Services.

Get an E-LAN BGP Service By Service ID

This request is used to retrieve the details of a particular E-LAN BGP service.

| | |
|-------------|---|
| URI | api/space/nsas/elan-vpls/service-management/services/<serviceId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml |
| Produces | Collects the details of a specific E-LAN BGP service. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service href="/api/space/nsas/elan-vpls/service-management/services/3112986"

      uri="/api/space/nsas/elan-vpls/service-management/services/3112986"
      key="3112986">
```

```

<Common>
  <Name>Ser3</Name>
  <Identity>3112986</Identity>
  <State>Deployed</State>
  <Comments>Ser 3</Comments>
  <CreatedDate>2012-09-22T12:07:23.000+05:30</CreatedDate>
  <LastUpdatedDate>2012-09-22T12:07:23.000+05:30</LastUpdatedDate>
</Common>
<ServiceType>VPLS</ServiceType>
<AuditFlag>
  <FunctionalAudit>Pending</FunctionalAudit>
  <FaultStatus>None</FaultStatus>
</AuditFlag>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/3244094"
uri="/api/space/nsas/device-roles/pe-devices/3244094"
    key="3244094">
      <DeviceName>junos-mx80-1-space</DeviceName>
      <DeviceID>3244094</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-1/0/8</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSLDPEndPointConfigParameterServiceType">
      <PhysicalEncapsulation>flexible-ethernet-services
      </PhysicalEncapsulation>
      <UNIDescription></UNIDescription>
      <VlanId>256</VlanId>
      <MTU>1522</MTU>
      <MACLearning>true</MACLearning>
      <MACStatistics>false</MACStatistics>
      <Bandwidth unit="Mbps">10</Bandwidth>
      <CustomerVlanIdStart>0</CustomerVlanIdStart>
      <CustomerVlanIdEnd>0</CustomerVlanIdEnd>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
  <ServiceEndPointGroupParameter
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSServiceEndPointGroupParameterServiceType" />

```

```

</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/3244038"
uri="/api/space/nsas/device-roles/pe-devices/3244038"
    key="3244038">
      <DeviceName>kochin</DeviceName>
      <DeviceID>3244038</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/0/4</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSLDPEndPointConfigParameterServiceType">
      <PhysicalEncapsulation>flexible-ethernet-services
      </PhysicalEncapsulation>
      <UNIDescription></UNIDescription>
      <VlanId>256</VlanId>
      <MTU>1522</MTU>
      <MACLearning>true</MACLearning>
      <MACStatistics>false</MACStatistics>
      <Bandwidth unit="Mbps">10</Bandwidth>
      <CustomerVlanIdStart>0</CustomerVlanIdStart>
      <CustomerVlanIdEnd>0</CustomerVlanIdEnd>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
  <ServiceEndPointGroupParameter
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSServiceEndpointGroupParameterServiceType" />
  </ServiceEndPointGroup>
  <Reference>
    <ServiceOrder key="3112974"
href="/api/space/nsas/elan-vpls/service-management/service-orders/3112974"

    uri="/api/space/nsas/elan-vpls/service-management/service-orders/3112974"
  />
  <ServiceDefinition>
    <ServiceDefinitionID key="262144"

href="/api/space/nsas/elan-vpls/service-management/service-definitions/262144"

```

```
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/262144"
/>
</ServiceDefinition>
<Customer key="1048781"
  href="/api/space/nsas/customer-management/customers/1048781"
uri="/api/space/nsas/customer-management/customers/1048781" />
</Reference>
</Service>
</ServiceResource>
</Data>
```

Get an E-LAN LDP Service By Service ID

This request is used to retrieve the details of a particular E-LAN LDP service.

| | |
|-------------|---|
| URI | api/space/nsas/elan-vpls/service-management/services/<serviceId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml |
| Produces | Collects the details of a specific E-LAN LDP service. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service
href="/api/space/nsas/elan-vpls/service-management/services/1376442"
uri="/api/space/nsas/elan-vpls/service-management/services/1376442"
key="1376442">
      <Common>
```

```

<Name>VPLSLDPSO3</Name>
<Identity>1376442</Identity>
<State>Deployed</State>
<Comments>
</Comments>
<CreatedDate>2012-12-15T00:34:15.000+05:30</CreatedDate>
<LastUpdatedDate>2012-12-15T00:34:15.000+05:30</LastUpdatedDate>
</Common>
<ServiceType>VPLS</ServiceType>
<AuditFlag>
<FunctionalAudit>Pending</FunctionalAudit>
<FaultStatus>None</FaultStatus>
</AuditFlag>
<ServiceEndPointGroup>
<DeviceInfo>
  <NA href="/api/space/nsas/device-roles/pe-devices/720976"
uri="/api/space/nsas/device-roles/pe-devices/720976" key="720976">
    <DeviceName>junos-mx80-1-space</DeviceName>
    <DeviceID>720976</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-1/0/8</InterfaceName>
  <ServiceEndPointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSLDPEndPointConfigParameterServiceType">
    <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>

    <UNIDescription>N/A</UNIDescription>
    <VlanId>4</VlanId>
    <MTU>1522</MTU>
    <MACLearning>true</MACLearning>
    <InterfaceMACLimit>1024</InterfaceMACLimit>
    <MACStatistics>false</MACStatistics>
    <MACTableSize>5120</MACTableSize>
  </ServiceEndPointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/721020"
uri="/api/space/nsas/device-roles/pe-devices/721020" key="721020">

```

```

    <DeviceName>junos-mx80-2-space</DeviceName>
    <DeviceID>721020</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-1/0/6</InterfaceName>
  <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSLDPEndPointConfigParameterServiceType">
    <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>

    <UNIDescription>N/A</UNIDescription>
    <VlanId>3</VlanId>
    <MTU>1522</MTU>
    <MACLearning>true</MACLearning>
    <InterfaceMACLimit>1024</InterfaceMACLimit>
    <MACStatistics>false</MACStatistics>
    <MACTableSize>5120</MACTableSize>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
  <ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterServiceType">
    <RouteTarget>69:1444102146</RouteTarget>
    <VLANNormalization>Normalize All</VLANNormalization>
  </ServiceParameters>
  <Reference>
    <ServiceOrder key="1376427"
href="/api/space/nsas/elan-vpls/service-management/service-orders/1376427"
uri="/api/space/nsas/elan-vpls/service-management/service-orders/1376427"/>
      <ServiceDefinition>
        <ServiceDefinitionID key="1376402"
href="/api/space/nsas/elan-vpls/service-management/service-definitions/1376402"
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/1376402"/>

        </ServiceDefinition>
        <Customer key="720896"
href="/api/space/nsas/customer-management/customers/720896"
uri="/api/space/nsas/customer-management/customers/720896"/>
      </Reference>
    </Service>
  </Service>

```

```
</ServiceResource>
</Data>
```

Get an E-LAN BGP Point-to-Multipoint Service with Pseudowire Stitching By Service ID

This request is used to retrieve the details of a particular E-LAN BGP service pseudowire stitching.

| | |
|-------------|--|
| URI | api/space/nsas/elan-vpls/service-management/services/<serviceld> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml |
| Produces | Collects the details of a specific E-LAN BGP service pseudowire stitching. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service
      href="/api/space/nsas/elan-vpls/service-management/services/2785453"
      uri="/api/space/nsas/elan-vpls/service-management/services/2785453"
      key="2785453">
      <Common>
        <Name>VPLS_sERVICE_BGP_PWSTITCH1</Name>
        <Identity>2785453</Identity>
        <State>Deployed</State>
        <CreatedDate>2013-03-01T09:14:41.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-03-01T09:14:41.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>VPLS</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
```

```

    <FaultStatus>None</FaultStatus>
  </AuditFlag>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA href="/api/space/nsas/device-roles/pe-devices/2753032"
uri="/api/space/nsas/device-roles/pe-devices/2753032"
      key="2753032">
        <DeviceName>embassy</DeviceName>
        <DeviceID>2753032</DeviceID>
        <CMPDeviceID>2818072</CMPDeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-1/0/4</InterfaceName>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSBGP endPointConfigParameterServiceType">
        <PhysicalEncapsulation>flexible-ethernet-services
        </PhysicalEncapsulation>
        <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
        <UNIDescription>N/A</UNIDescription>
        <VlanId>6</VlanId>
        <MTU>1522</MTU>
        <Bandwidth unit="Mbps">10</Bandwidth>
        <CustomerVlanId>555</CustomerVlanId>
        <MACLearning>true</MACLearning>
        <InterfaceMACLimit>1024</InterfaceMACLimit>
        <MACStatistics>false</MACStatistics>
        <MACTableSize>5120</MACTableSize>
        <OuterTPID>None</OuterTPID>
        <InnerTPID>None</InnerTPID>
        <Hub>true</Hub>
      </ServiceEndpointConfiguration>
      <ServiceTemplates />
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA href="/api/space/nsas/device-roles/pe-devices/2753123"
uri="/api/space/nsas/device-roles/pe-devices/2753123"
      key="2753123">
        <DeviceName>jaipur</DeviceName>

```

```

    <DeviceID>2753123</DeviceID>
    <CMPDeviceID>2818081</CMPDeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-0/1/0</InterfaceName>
  <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="VPLSHSBGP endPointConfigParameterServiceType">
    <PhysicalEncapsulation>flexible-ethernet-services
    </PhysicalEncapsulation>
    <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
    <UNIDescription>N/A</UNIDescription>
    <VlanId>1</VlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Mbps">10</Bandwidth>
    <CustomerVlanId>555</CustomerVlanId>
    <MACLearning>true</MACLearning>
    <InterfaceMACLimit>1024</InterfaceMACLimit>
    <MACStatistics>false</MACStatistics>
    <MACTableSize>5120</MACTableSize>
    <OuterTPID>None</OuterTPID>
    <InnerTPID>None</InnerTPID>
    <Hub>false</Hub>
    <EnableP2PSpoke>true</EnableP2PSpoke>
    <VCID>2147467316</VCID>
    <HubConnectivityName>MG_Default</HubConnectivityName>
    <NeighbourHub>embassy</NeighbourHub>
  </ServiceEndpointConfiguration>
  <ServiceTemplates />
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="VPLSConfigParameterServiceType">
  <VLANNormalization>Normalize All</VLANNormalization>
  <AutoDiscovery>false</AutoDiscovery>
</ServiceParameters>
<Reference>
  <ServiceOrder key="2785436"
    href="/api/space/nsas/elan-vpls/service-management/service-orders/2785436"

    uri="/api/space/nsas/elan-vpls/service-management/service-orders/2785436"

```

```

    />
    <ServiceDefinition>
      <ServiceDefinitionID key="2785407"

href="/api/space/nsas/elan-vpls/service-management/service-definitions/2785407"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/2785407"
    />
    </ServiceDefinition>
    <Customer key="852056"
      href="/api/space/nsas/customer-management/customers/852056"
uri="/api/space/nsas/customer-management/customers/852056" />
    </Reference>
  </Service>
</ServiceResource>
</Data>

```

Get an E-LAN LDP Point-to-Multipoint Service with Pseudowire Stitching By Service ID

This request is used to retrieve the details of a particular E-LAN LDP service pseudowire stitching.

| | |
|-------------|--|
| URI | api/space/nsas/elan-vpls/service-management/ services/<serviceId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml |
| Produces | Collects the details of a specific E-LAN LDP service with pseudowire stitching. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service
      href="/api/space/nsas/elan-vpls/service-management/services/2785310"
      uri="/api/space/nsas/elan-vpls/service-management/services/2785310"
      key="2785310">
        <Common>
          <Name>VPLS_LDP_PWSTITCH_SERVICE</Name>
          <Identity>2785310</Identity>
          <State>Deployed</State>
          <CreatedDate>2013-03-01T08:36:57.000+05:30</CreatedDate>
          <LastUpdatedDate>2013-03-01T08:36:57.000+05:30</LastUpdatedDate>
        </Common>
        <ServiceType>VPLS</ServiceType>
        <AuditFlag>
          <FunctionalAudit>Pending</FunctionalAudit>
          <FaultStatus>None</FaultStatus>
        </AuditFlag>
        <ServiceEndPointGroup>
          <DeviceInfo>
            <NA href="/api/space/nsas/device-roles/pe-devices/2753123"
              uri="/api/space/nsas/device-roles/pe-devices/2753123"
              key="2753123">
              <DeviceName>jaipur</DeviceName>
              <DeviceID>2753123</DeviceID>
              <CMPDeviceID>2818081</CMPDeviceID>
            </NA>
          </DeviceInfo>
          <ServiceEndPoint>
            <InterfaceName>ge-0/1/0</InterfaceName>
            <ServiceEndpointConfiguration
              xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
              xsi:type="VPLSHSLDPEndPointConfigParameterServiceType">
              <PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
              <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
              <UNIDescription>N/A</UNIDescription>
              <VlanId>512</VlanId>
              <MTU>1522</MTU>
              <Bandwidth unit="Mbps">10</Bandwidth>
              <CustomerVlanId>344</CustomerVlanId>
              <MACLearning>true</MACLearning>
            </ServiceEndpointConfiguration>
          </ServiceEndPoint>
        </ServiceEndPointGroup>
      </Service>
    </ServiceResource>
  </Data>

```

```

    <InterfaceMACLimit>1024</InterfaceMACLimit>
    <MACStatistics>>false</MACStatistics>
    <MACTableSize>5120</MACTableSize>
    <OuterTPID>None</OuterTPID>
    <InnerTPID>None</InnerTPID>
    <Hub>>false</Hub>
    <NeighbourHub>embassy</NeighbourHub>
    <EnableP2PSpoke>>true</EnableP2PSpoke>
    <VCID>2147467317</VCID>
  <HubConnectivityName>VPLS_LDP_PWSTITCH_SERVICE</HubConnectivityName>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/2753032"
uri="/api/space/nsas/device-roles/pe-devices/2753032"
    key="2753032">
    <DeviceName>embassy</DeviceName>
    <DeviceID>2753032</DeviceID>
    <CMPDeviceID>2818072</CMPDeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-1/0/3</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSLDPEndPointConfigParameterServiceType">
    <PhysicalEncapsulation>flexible-ethernet-services
    </PhysicalEncapsulation>
    <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
    <UNIDescription>N/A</UNIDescription>
    <VlanId>1</VlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Mbps">10</Bandwidth>
    <CustomerVlanId>344</CustomerVlanId>
    <MACLearning>>true</MACLearning>
    <InterfaceMACLimit>1024</InterfaceMACLimit>
    <MACStatistics>>false</MACStatistics>
    <MACTableSize>5120</MACTableSize>
    <OuterTPID>None</OuterTPID>

```

```

        <InnerTPID>None</InnerTPID>
        <Hub>true</Hub>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="VPLSConfigParameterServiceType">
    <VLANNormalization>Normalize to QinQ</VLANNormalization>
    <QinQVLANOuterTag>343</QinQVLANOuterTag>
    <QinQVLANInnerTag>343</QinQVLANInnerTag>
    <VPLSId>2147467317</VPLSId>
    <AutoDiscovery>false</AutoDiscovery>
</ServiceParameters>
<Reference>
    <ServiceOrder key="2785295"
        href="/api/space/nsas/elan-vpls/service-management/service-orders/2785295"

        uri="/api/space/nsas/elan-vpls/service-management/service-orders/2785295"
    />
    <ServiceDefinition>
        <ServiceDefinitionID key="950272"

        href="/api/space/nsas/elan-vpls/service-management/service-definitions/950272"

        uri="/api/space/nsas/elan-vpls/service-management/service-definitions/950272"
    />
    </ServiceDefinition>
    <Customer key="852056"
        href="/api/space/nsas/customer-management/customers/852056"
    uri="/api/space/nsas/customer-management/customers/852056" />
    </Reference>
</Service>
</ServiceResource>
</Data>

```

Get an E-LAN BGP Service with Burst Size Calculation By Service ID

This request is used to retrieve the details of a particular E-LAN BGP service with burst size calculation based on the service ID.

| | |
|-------------|---|
| URI | api/space/nsas/elan-vpls/service-management/services/<serviceld> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml;version=2 |
| Produces | Collects the details of a specific E-LAN BGP service with burst size calculation. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service key="884819"
uri="/api/space/nsas/elan-vpls/service-management/services/884819"
href="/api/space/nsas/elan-vpls/service-management/services/884819">
      <Common>
        <Name>VPLS_BGP_BurstSizeCal_SO</Name>
        <Identity>884819</Identity>
        <State>Deployed</State>
        <Comments>hgjhjg</Comments>
        <CreatedDate>2014-09-26T18:41:01.000+05:30</CreatedDate>
        <LastUpdatedDate>2014-09-26T18:41:01.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>VPLS</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
        <SLAStatus>None</SLAStatus>
      </AuditFlag>
      <ServiceEndPointGroup>
        <DeviceInfo>
```

```

    <NA key="558232" uri="/api/space/nsas/device-roles/pe-devices/558232"
href="/api/space/nsas/device-roles/pe-devices/558232">
    <DeviceName>embassy</DeviceName>
    <DeviceID>558232</DeviceID>
    <CMPDeviceID>131158</CMPDeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-1/1/2</InterfaceName>
    <InterfaceIndex>533</InterfaceIndex>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterServiceType">
      <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>

      <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
      <UNIDescription>N/A</UNIDescription>
      <VlanId>1</VlanId>
      <MTU>1522</MTU>
      <Bandwidth unit="Mbps">10</Bandwidth>
      <CustomerVlanId>4</CustomerVlanId>
      <MACLearning>true</MACLearning>
      <InterfaceMACLimit>1024</InterfaceMACLimit>
      <MACStatistics>false</MACStatistics>
      <MACTableSize>5120</MACTableSize>
      <OuterTPID>None</OuterTPID>
      <InnerTPID>None</InnerTPID>
      <UnitId>1</UnitId>
    </ServiceEndpointConfiguration>
    <ServiceTemplates/>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="557067" uri="/api/space/nsas/device-roles/pe-devices/557067"
href="/api/space/nsas/device-roles/pe-devices/557067">
      <DeviceName>junos-mx240-space</DeviceName>
      <DeviceID>557067</DeviceID>
      <CMPDeviceID>131116</CMPDeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>

```

```

    <InterfaceName>ge-0/3/7</InterfaceName>
    <InterfaceIndex>715</InterfaceIndex>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterServiceType">
    <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>

    <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
    <UNIDescription>N/A</UNIDescription>
    <VlanId>1</VlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Mbps">10</Bandwidth>
    <CustomerVlanId>4</CustomerVlanId>
    <MACLearning>true</MACLearning>
    <InterfaceMACLimit>1024</InterfaceMACLimit>
    <MACStatistics>>false</MACStatistics>
    <MACTableSize>5120</MACTableSize>
    <OuterTPID>None</OuterTPID>
    <InnerTPID>None</InnerTPID>
    <UnitId>1</UnitId>
    </ServiceEndpointConfiguration>
    <ServiceTemplates/>
    </ServiceEndPoint>
    </ServiceEndPointGroup>
    <ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterServiceType">
    <RouteTarget>100:2</RouteTarget>
    <VLANNormalization>Normalize to QinQ</VLANNormalization>
    <QinQVLANOuterTag>5</QinQVLANOuterTag>
    <QinQVLANInnerTag>5</QinQVLANInnerTag>
    <BurstPeriod>20</BurstPeriod>
    <AutoDiscovery>>false</AutoDiscovery>
    </ServiceParameters>
    <Reference>
    <ServiceOrder
uri="/api/space/nsas/elan-vpls/service-management/service-orders/884804"
href="/api/space/nsas/elan-vpls/service-management/service-orders/884804"
key="884804"/>
    <ServiceDefinition>
    <ServiceDefinitionID
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/884736"
href="/api/space/nsas/elan-vpls/service-management/service-definitions/884736"

```

```
key="884736"/>
  </ServiceDefinition>
  <Customer uri="/api/space/nsas/customer-management/customers/558229"
href="/api/space/nsas/customer-management/customers/558229" key="558229"/>
  </Reference>
</Service>
</ServiceResource>    </Data>
```

Get an E-LAN LDP Service with Burst Size Calculation By Service ID

This request is used to retrieve the details of a particular E-LAN LDP service with burst size calculation based on the service ID.

| | |
|-------------|--|
| URI | api/space/nsas/elan-vpls/service-management/ services/<serviceld> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. services+xml;version=2 |
| Produces | Collects the details of a specific E-LAN LDP service with burst size calculation. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service key="884983"
uri="/api/space/nsas/elan-vpls/service-management/services/884983"
href="/api/space/nsas/elan-vpls/service-management/services/884983">
      <Common>
        <Name>VPLS_LDP_BurstSizeCal_SO</Name>
        <Identity>884983</Identity>
```

```

<State>Deployed</State>
<Comments>ertert</Comments>
<CreateDate>2014-09-26T19:03:46.000+05:30</CreateDate>
<LastUpdatedDate>2014-09-26T19:03:46.000+05:30</LastUpdatedDate>
</Common>
<ServiceType>VPLS</ServiceType>
<AuditFlag>
<FunctionalAudit>Pending</FunctionalAudit>
<FaultStatus>None</FaultStatus>
<SLAStatus>None</SLAStatus>
</AuditFlag>
<ServiceEndPointGroup>
<DeviceInfo>
  <NA key="558232" uri="/api/space/nsas/device-roles/pe-devices/558232"
href="/api/space/nsas/device-roles/pe-devices/558232">
    <DeviceName>embassy</DeviceName>
    <DeviceID>558232</DeviceID>
    <CMPDeviceID>131158</CMPDeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-1/1/1</InterfaceName>
  <InterfaceIndex>532</InterfaceIndex>
  <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSLDPPEndPointConfigParameterServiceType">
    <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>

    <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
    <UNIDescription>N/A</UNIDescription>
    <VlanId>1</VlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Mbps">10</Bandwidth>
    <CustomerVlanId>4</CustomerVlanId>
    <MACLearning>true</MACLearning>
    <InterfaceMACLimit>1024</InterfaceMACLimit>
    <MACStatistics>false</MACStatistics>
    <MACTableSize>5120</MACTableSize>
    <OuterTPID>None</OuterTPID>
    <InnerTPID>None</InnerTPID>
    <UnitId>1</UnitId>
  </ServiceEndpointConfiguration>

```

```

    <ServiceTemplates/>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="557176" uri="/api/space/nsas/device-roles/pe-devices/557176"
href="/api/space/nsas/device-roles/pe-devices/557176">
      <DeviceName>junos-mx80-1-space</DeviceName>
      <DeviceID>557176</DeviceID>
      <CMPDeviceID>131132</CMPDeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-1/0/4</InterfaceName>
    <InterfaceIndex>516</InterfaceIndex>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSLDP endPointConfigParameterServiceType">
      <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>

      <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
      <UNIDescription>N/A</UNIDescription>
      <VlanId>1</VlanId>
      <MTU>1522</MTU>
      <Bandwidth unit="Mbps">10</Bandwidth>
      <CustomerVlanId>4</CustomerVlanId>
      <MACLearning>true</MACLearning>
      <InterfaceMACLimit>1024</InterfaceMACLimit>
      <MACStatistics>false</MACStatistics>
      <MACTableSize>5120</MACTableSize>
      <OuterTPID>None</OuterTPID>
      <InnerTPID>None</InnerTPID>
      <UnitId>1</UnitId>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
  <ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterServiceType">
    <VLANNormalization>Normalize to None</VLANNormalization>
    <BurstPeriod>35</BurstPeriod>
    <VPLSId>2147467288</VPLSId>
  </ServiceParameters>
</ServiceParametersGroup>

```

```
<AutoDiscovery>false</AutoDiscovery>
</ServiceParameters>
<Reference>
  <ServiceOrder
uri="/api/space/nsas/elan-vpls/service-management/service-orders/884970"
href="/api/space/nsas/elan-vpls/service-management/service-orders/884970"
key="884970"/>
    <ServiceDefinition>
      <ServiceDefinitionID
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/884934"
href="/api/space/nsas/elan-vpls/service-management/service-definitions/884934"
key="884934"/>
    </ServiceDefinition>
    <Customer uri="/api/space/nsas/customer-management/customers/558229"
href="/api/space/nsas/customer-management/customers/558229" key="558229"/>
  </Reference>
</Service>
</ServiceResource>
</Data>
```

Get an E-LAN BGP Point-to-Multipoint Service with Pseudowire Redundancy By Service ID

This request is used to retrieve the details of a particular E-LAN BGP service pseudowire redundancy.

| | |
|-------------|--|
| URI | api/space/nsas/elan-vpls/service-management/ services/<serviceId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml |
| Produces | Collects the details of a specific E-LAN BGP service pseudowire redundancy. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service
      href="/api/space/nsas/elan-vpls/service-management/services/3113036"
      uri="/api/space/nsas/elan-vpls/service-management/services/3113036"
      key="3113036">
        <Common>
          <Name>VPLS_BGP_STITCH_REDU</Name>
          <Identity>3113036</Identity>
          <State>Deployed</State>
          <CreatedDate>2013-03-02T11:39:45.000+05:30</CreatedDate>
          <LastUpdatedDate>2013-03-02T11:39:45.000+05:30</LastUpdatedDate>
        </Common>
        <ServiceType>VPLS</ServiceType>
        <AuditFlag>
          <FunctionalAudit>Pending</FunctionalAudit>
          <FaultStatus>None</FaultStatus>
        </AuditFlag>
        <ServiceEndPointGroup>
          <DeviceInfo>
            <NA href="/api/space/nsas/device-roles/pe-devices/3244048"
              uri="/api/space/nsas/device-roles/pe-devices/3244048"
              key="3244048">
              <DeviceName>jaipur</DeviceName>
              <DeviceID>3244048</DeviceID>
              <CMPDeviceID>3211292</CMPDeviceID>
            </NA>
          </DeviceInfo>
          <ServiceEndPoint>
            <InterfaceName>ge-0/1/2</InterfaceName>
            <ServiceEndpointConfiguration
              xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
              xsi:type="VPLSHSBGPEndPointConfigParameterServiceType">
              <PhysicalEncapsulation>flexible-ethernet-services
            </PhysicalEncapsulation>
            <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
            <UNIDescription>N/A</UNIDescription>
            <VlanId>1</VlanId>
            <MTU>1522</MTU>
            <CustomerVlanId>555</CustomerVlanId>
            <MACLearning>true</MACLearning>

```

```

    <InterfaceMACLimit>1024</InterfaceMACLimit>
    <MACStatistics>>false</MACStatistics>
    <MACTableSize>5120</MACTableSize>
    <OuterTPID>None</OuterTPID>
    <InnerTPID>None</InnerTPID>
    <Hub>true</Hub>
  </ServiceEndpointConfiguration>
  <ServiceTemplates />
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/3244057"
uri="/api/space/nsas/device-roles/pe-devices/3244057"
    key="3244057">
      <DeviceName>kochin</DeviceName>
      <DeviceID>3244057</DeviceID>
      <CMPDeviceID>3211280</CMPDeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/0/8</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSBGPEndPointConfigParameterServiceType">
      <PhysicalEncapsulation>flexible-ethernet-services
    </PhysicalEncapsulation>
      <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
      <UNIDescription>N/A</UNIDescription>
      <VlanId>2</VlanId>
      <MTU>1522</MTU>
      <CustomerVlanId>555</CustomerVlanId>
      <MACLearning>true</MACLearning>
      <InterfaceMACLimit>1024</InterfaceMACLimit>
      <MACStatistics>>false</MACStatistics>
      <MACTableSize>5120</MACTableSize>
      <OuterTPID>None</OuterTPID>
      <InnerTPID>None</InnerTPID>
      <Hub>true</Hub>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
  </ServiceEndPoint>

```

```

</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/3244100"
uri="/api/space/nsas/device-roles/pe-devices/3244100"
    key="3244100">
      <DeviceName>embassy</DeviceName>
      <DeviceID>3244100</DeviceID>
      <CMPDeviceID>3211300</CMPDeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-1/0/6</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSBGPEndPointConfigParameterServiceType">
      <PhysicalEncapsulation>flexible-ethernet-services
      </PhysicalEncapsulation>
      <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
      <UNIDescription>N/A</UNIDescription>
      <VlanId>1</VlanId>
      <MTU>1522</MTU>
      <CustomerVlanId>555</CustomerVlanId>
      <MACLearning>true</MACLearning>
      <InterfaceMACLimit>1024</InterfaceMACLimit>
      <MACStatistics>false</MACStatistics>
      <MACTableSize>5120</MACTableSize>
      <OuterTPID>None</OuterTPID>
      <InnerTPID>None</InnerTPID>
      <Hub>false</Hub>
      <EnableP2PSpoke>true</EnableP2PSpoke>
      <VCID>2147467334</VCID>
      <HubConnectivityName>MG_Default</HubConnectivityName>
      <NeighbourHub>jaipur</NeighbourHub>
      <BackupNeighbourHub>kochin</BackupNeighbourHub>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterServiceType">
  <VLANNormalization>Normalize to QinQ</VLANNormalization>

```

```
<QinQVLANOuterTag>555</QinQVLANOuterTag>
<QinQVLANInnerTag>555</QinQVLANInnerTag>
<AutoDiscovery>false</AutoDiscovery>
<RevertTime>5</RevertTime>
<SwitchOverDelay>0</SwitchOverDelay>
</ServiceParameters>
<Reference>
  <ServiceOrder key="3113010"
    href="/api/space/nsas/elan-vpls/service-management/service-orders/3113010"

    uri="/api/space/nsas/elan-vpls/service-management/service-orders/3113010"
  />
  <ServiceDefinition>
    <ServiceDefinitionID key="2785610"

    href="/api/space/nsas/elan-vpls/service-management/service-definitions/2785610"

    uri="/api/space/nsas/elan-vpls/service-management/service-definitions/2785610"
  />
  </ServiceDefinition>
  <Customer key="852056"
    href="/api/space/nsas/customer-management/customers/852056"
  uri="/api/space/nsas/customer-management/customers/852056" />
  </Reference>
</Service>
</ServiceResource>
</Data>
```

Get an E-LAN LDP Point-to-Multipoint Service with Pseudowire Redundancy By Service ID

This request is used to retrieve the details of a particular E-LAN LDP service pseudowire redundancy.

| | |
|-------------|--|
| URI | api/space/nsas/elan-vpls/service-management/ services/<serviceId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml |

Produces

Collects the details of a specific E-LAN LDP service with pseudowire redundancy.

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service
      href="/api/space/nsas/elan-vpls/service-management/services/5636189"
      uri="/api/space/nsas/elan-vpls/service-management/services/5636189"
      key="5636189">
      <Common>
        <Name>VPLS_LDP_Redundancy</Name>
        <Identity>5636189</Identity>
        <State>Deployed</State>
        <Comments> </Comments>
        <CreatedDate>2013-01-10T15:15:32.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-01-10T15:15:32.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>VPLS</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
      </AuditFlag>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/device-roles/pe-devices/5341207"
            uri="/api/space/nsas/device-roles/pe-devices/5341207"
            key="5341207">
            <DeviceName>junos-m10-1-space</DeviceName>
            <DeviceID>5341207</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/3/0</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="VPLSHSLDP endPointConfigParameterServiceType">
            <PhysicalEncapsulation>flexible-ethernet-services
```

```

    </PhysicalEncapsulation>
    <UNIDescription>N/A</UNIDescription>
    <VlanId>789</VlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Mbps">10</Bandwidth>
    <MACLearning>true</MACLearning>
    <InterfaceMACLimit>1024</InterfaceMACLimit>
    <MACStatistics>false</MACStatistics>
    <MACTableSize>5120</MACTableSize>
    <OuterTPID>None</OuterTPID>
    <Hub>false</Hub>
    <NeighbourHub>junos-mx240-space</NeighbourHub>
    <BackupNeighbourHub>junos-mx480-space</BackupNeighbourHub>
  </ServiceEndpointConfiguration>
  <ServiceTemplates />
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/5341288"
uri="/api/space/nsas/device-roles/pe-devices/5341288"
    key="5341288">
      <DeviceName>junos-mx240-space</DeviceName>
      <DeviceID>5341288</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/2/4</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSLDPEndPointConfigParameterServiceType">
      <PhysicalEncapsulation>flexible-ethernet-services
    </PhysicalEncapsulation>
      <UNIDescription>N/A</UNIDescription>
      <VlanId>789</VlanId>
      <MTU>1522</MTU>
      <Bandwidth unit="Mbps">10</Bandwidth>
      <MACLearning>true</MACLearning>
      <InterfaceMACLimit>1024</InterfaceMACLimit>
      <MACStatistics>false</MACStatistics>
      <MACTableSize>5120</MACTableSize>
      <OuterTPID>None</OuterTPID>

```

```

        <Hub>true</Hub>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA href="/api/space/nsas/device-roles/pe-devices/5341242"
uri="/api/space/nsas/device-roles/pe-devices/5341242"
        key="5341242">
            <DeviceName>junos-mx480-space</DeviceName>
            <DeviceID>5341242</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-5/0/5</InterfaceName>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSLDPEndPointConfigParameterServiceType">
            <PhysicalEncapsulation>flexible-ethernet-services
            </PhysicalEncapsulation>
            <UNIDescription>N/A</UNIDescription>
            <VlanId>789</VlanId>
            <MTU>1522</MTU>
            <Bandwidth unit="Mbps">10</Bandwidth>
            <MACLearning>true</MACLearning>
            <InterfaceMACLimit>1024</InterfaceMACLimit>
            <MACStatistics>false</MACStatistics>
            <MACTableSize>5120</MACTableSize>
            <OuterTPID>None</OuterTPID>
            <Hub>true</Hub>
        </ServiceEndpointConfiguration>
        <ServiceTemplates />
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterServiceType">
    <VLANNormalization>Normalize All</VLANNormalization>
    <VPLSId>2147467307</VPLSId>
    <AutoDiscovery>false</AutoDiscovery>
    <RevertTime>5</RevertTime>
    <SwitchOverDelay>0</SwitchOverDelay>

```

```
</ServiceParameters>
<Reference>
  <ServiceOrder key="5636168"
    href="/api/space/nsas/elan-vpls/service-management/service-orders/5636168"

    uri="/api/space/nsas/elan-vpls/service-management/service-orders/5636168"
  />
  <ServiceDefinition>
    <ServiceDefinitionID key="5636142"

    href="/api/space/nsas/elan-vpls/service-management/service-definitions/5636142"

    uri="/api/space/nsas/elan-vpls/service-management/service-definitions/5636142"
  />
  </ServiceDefinition>
  <Customer key="819263"
    href="/api/space/nsas/customer-management/customers/819263"
    uri="/api/space/nsas/customer-management/customers/819263" />
  </Reference>
</Service>
</ServiceResource>
</Data>
```

Get an E-LAN BGP Service with Manual Route Distinguisher and Route Target By Service ID

This request is used to retrieve the details of a particular E-LAN BGP service with manually-configured route distinguisher and route target.

| | |
|-------------|---|
| URI | api/space/nsas/elan-vpls/service-management/ services/<serviceld> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml |
| Produces | Collects the details of a specific E-LAN BGP service with manually-configured route distinguisher and route target. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service
      href="/api/space/nsas/elan-vpls/service-management/services/1540164"
      uri="/api/space/nsas/elan-vpls/service-management/services/1540164"
      key="1540164">
      <Common>
        <Name>Test-Vpls-Service</Name>
        <Identity>1540164</Identity>
        <State>Deployed</State>
        <CreatedDate>2013-02-25T17:39:49.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-02-25T17:39:49.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>VPLS</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
      </AuditFlag>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/device-roles/pe-devices/1474568"
            uri="/api/space/nsas/device-roles/pe-devices/1474568"
            key="1474568">
            <DeviceName>kochin</DeviceName>
            <DeviceID>1474568</DeviceID>
            <CMPDeviceID>1376280</CMPDeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/2/4</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="VPLSBGPEndPointConfigParameterServiceType">
            <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>

            <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
            <UNIDescription>N/A</UNIDescription>
            <VlanId>1</VlanId>
            <MTU>1522</MTU>
            <MACLearning>true</MACLearning>
```

```

    <InterfaceMACLimit>1024</InterfaceMACLimit>
    <MACStatistics>>false</MACStatistics>
    <MACTableSize>5120</MACTableSize>
    <OuterTPID>None</OuterTPID>
  </ServiceEndpointConfiguration>
  <ServiceTemplates />
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/1474653"
uri="/api/space/nsas/device-roles/pe-devices/1474653"
    key="1474653">
    <DeviceName>embassy</DeviceName>
    <DeviceID>1474653</DeviceID>
    <CMPDeviceID>1376300</CMPDeviceID>
  </NA>
</DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-1/1/0</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterServiceType">
      <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>

      <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
      <UNIDescription>N/A</UNIDescription>
      <VlanId>1</VlanId>
      <MTU>1522</MTU>
      <MACLearning>true</MACLearning>
      <InterfaceMACLimit>1024</InterfaceMACLimit>
      <MACStatistics>>false</MACStatistics>
      <MACTableSize>5120</MACTableSize>
      <OuterTPID>None</OuterTPID>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterServiceType">
  <RouteTarget>12:46565465</RouteTarget>
  <VLANNormalization>Normalize to Dot1q</VLANNormalization>

```

```
<Dot1QVLANTag>12</Dot1QVLANTag>
<AutoDiscovery>false</AutoDiscovery>
</ServiceParameters>
<Reference>
  <ServiceOrder key="1540151"
    href="/api/space/nsas/elan-vpls/service-management/service-orders/1540151"

    uri="/api/space/nsas/elan-vpls/service-management/service-orders/1540151"
  />
  <ServiceDefinition>
    <ServiceDefinitionID key="1540096"

    href="/api/space/nsas/elan-vpls/service-management/service-definitions/1540096"

    uri="/api/space/nsas/elan-vpls/service-management/service-definitions/1540096"
  />
  </ServiceDefinition>
  <Customer key="1081493"
    href="/api/space/nsas/customer-management/customers/1081493"
  uri="/api/space/nsas/customer-management/customers/1081493" />
  </Reference>
</Service>
</ServiceResource>
</Data>
```

GET an E-LAN Service With evpn e-tree as the Protocol Type

This request is used to retrieve an E-LAN service with evpn e-tree as the protocol type.

| | |
|--------------|--|
| URL | /api/space/nsas/elan-vpls/service-management/services/paging/<service id> |
| HTTP Method | GET |
| Sample URL | https://192.0.2.10:8443/api/space/nsas/elan-vpls/service-management/services/paging/786434 |
| Accept | application/vnd.net.juniper.space.service-management.service+xml;version=2 |
| Content Type | Not Applicable |

Request

Not Applicable

Response

```

"<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service key="262144"
uri="/api/space/nsas/elan-vpls/service-management/services/262144"
href="/api/space/nsas/elan-vpls/service-management/services/262144">
      <Common>
        <Name>evpn_mutlihome</Name>
        <Identity>262144</Identity>
        <State>Deployed</State>
        <CreatedDate>2018-06-14T13:24:04.000+05:30</CreatedDate>
        <LastUpdatedDate>2018-06-14T13:24:04.000+05:30</LastUpdatedDate>
        <InstanceType>evpn</InstanceType>
        <Protocol>evpn-etree</Protocol>
      </Common>
      <ServiceType>VPLS</ServiceType>
      <Signalling>BGP</Signalling>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <ConfigurationAudit>Pending</ConfigurationAudit>
        <FaultStatus>None</FaultStatus>
        <SLAStatus>None</SLAStatus>
        <OverallStatus>N/A</OverallStatus>
      </AuditFlag>
      <endpointcount>2</endpointcount>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="131076"
uri="/api/space/nsas/device-roles/pe-devices/131076"
href="/api/space/nsas/device-roles/pe-devices/131076">
            <DeviceName>SG3re</DeviceName>
            <DeviceID>131076</DeviceID>
            <CMPDeviceID>131076</CMPDeviceID>
          </NA>
        </DeviceInfo>
        <SecondaryDevices>
          <DeviceDetails>
            <DeviceName>SG4re</DeviceName>
            <DeviceID>131080</DeviceID>
          </DeviceDetails>
        </SecondaryDevices>
      </ServiceEndPointGroup>
    </Service>
  </ServiceResource>
</Data>

```

```

        <InterfaceName>xe-0/2/1.1</InterfaceName>
    </DeviceDetails>
</SecondaryDevices>
<ServiceEndPoint>
    <InterfaceName>ge-0/1/9</InterfaceName>
    <InterfaceIndex>537</InterfaceIndex>
    <InterfaceStatus>up</InterfaceStatus>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterServiceType">

<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
    <LogicalEncapsulation>vlan-bridge</LogicalEncapsulation>
    <EthernetOption>dot1q</EthernetOption>
    <UNIDescription>N/A</UNIDescription>
    <VlanId>1</VlanId>
    <MTU>1522</MTU>
    <MACLearning>false</MACLearning>
    <InterfaceMACLimit>1024</InterfaceMACLimit>
    <MACStatistics>false</MACStatistics>
    <MACTableSize>5120</MACTableSize>
    <OuterTPID>None</OuterTPID>
    <UnitId>1</UnitId>
    <CFMIntfEnabled>false</CFMIntfEnabled>
    <MHRole>all-active</MHRole>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
    <ServiceEndpointID>327684</ServiceEndpointID>
    <ETreeRole>root</ETreeRole>
    <Esi>00:00:00:00:64:00:00:00:09</Esi>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA key="131080"
uri="/api/space/nsas/device-roles/pe-devices/131080"
href="/api/space/nsas/device-roles/pe-devices/131080">
            <DeviceName>SG4re</DeviceName>
            <DeviceID>131080</DeviceID>
            <CMPDeviceID>131082</CMPDeviceID>
        </NA>
    </DeviceInfo>
</SecondaryDevices>
<DeviceDetails>

```

```

        <DeviceName>SG3re</DeviceName>
        <DeviceID>131076</DeviceID>
        <InterfaceName>ge-0/1/9.1</InterfaceName>
    </DeviceDetails>
</SecondaryDevices>
<ServiceEndPoint>
    <InterfaceName>xe-0/2/1</InterfaceName>
    <InterfaceIndex>539</InterfaceIndex>
    <InterfaceStatus>up</InterfaceStatus>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPntConfigParameterServiceType">

<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
    <LogicalEncapsulation>vlan-bridge</LogicalEncapsulation>
    <EthernetOption>dot1q</EthernetOption>
    <UNIDescription>N/A</UNIDescription>
    <VlanId>1</VlanId>
    <MTU>1522</MTU>
    <MACLearning>false</MACLearning>
    <InterfaceMACLimit>1024</InterfaceMACLimit>
    <MACStatistics>false</MACStatistics>
    <MACTableSize>5120</MACTableSize>
    <OuterTPID>None</OuterTPID>
    <UnitId>1</UnitId>
    <CFMIntfEnabled>false</CFMIntfEnabled>
    <MHRole>all-active</MHRole>
</ServiceEndpointConfiguration>
<ServiceTemplates />
<ServiceEndpointID>327685</ServiceEndpointID>
<ETreeRole>root</ETreeRole>
<Esi>00:00:00:00:64:00:00:00:09</Esi>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterServiceType">
    <TrafficType>Transport single vlan</TrafficType>
    <RouteTarget>100:313</RouteTarget>
    <VLANNormalization>Normalize to Dot1q</VLANNormalization>
    <Dot1QVLANTag>525</Dot1QVLANTag>
    <MTUFactor>10</MTUFactor>
    <RouteDistinguisher>100:451</RouteDistinguisher>
    <AutoDiscovery>false</AutoDiscovery>
</ServiceParameters>

```

```

        <Reference>
          <ServiceOrder
            uri="/api/space/nsas/elan-vpls/service-management/service-orders/327680"
            href="/api/space/nsas/elan-vpls/service-management/service-orders/327680"
            key="327680" />
          <ServiceDefinition>
            <ServiceDefinitionID
              uri="/api/space/nsas/elan-vpls/service-management/service-definitions/196608"
              href="/api/space/nsas/elan-vpls/service-management/service-definitions/196608"
              key="196608">
              <ServiceDefinitionName>evpn_mh</ServiceDefinitionName>
            </ServiceDefinitionID>
          </ServiceDefinition>
          <Customer uri="/api/space/nsas/customer-management/customers/1"
            href="/api/space/nsas/customer-management/customers/1" key="1">
            <CustomerName>apple</CustomerName>
          </Customer>
        </Reference>
      </Service>
    </ServiceResource>
  </Data>
"
```

GET an E-LAN Service with evpn as the Instance Type

This request is used to retrieve an E-LAN service with evpn as the instance type.

| | |
|--------------|---|
| URL | /api/space/nsas/elan-vpls/service-management/services/paging//api/space/nsas/elan-vpls/service-management/service-id> |
| HTTP Method | GET |
| Sample URL | https://192.0.2.10:8443/api/space/nsas/elan-vpls/service-management/services/paging/786434 |
| Accept | application/vnd.net.juniper.space.service-management.service+xml;version=2 |
| Content Type | Not Applicable |

Request

Not Applicable

Response

```

"<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service key="294912"
uri="/api/space/nsas/elan-vpls/service-management/services/294912"
href="/api/space/nsas/elan-vpls/service-management/services/294912">
      <Common>
        <Name>monitor_evpn</Name>
        <Identity>294912</Identity>
        <State>Deployed</State>
        <CreatedDate>2018-06-15T11:13:54.000+05:30</CreatedDate>
        <LastUpdatedDate>2018-06-15T11:13:54.000+05:30</LastUpdatedDate>
        <InstanceType>evpn</InstanceType>
        <Protocol>evpn</Protocol>
      </Common>
      <ServiceType>VPLS</ServiceType>
      <Signalling>BGP</Signalling>
      <AuditFlag>
        <FunctionalAudit>Up</FunctionalAudit>
        <ConfigurationAudit>Pending</ConfigurationAudit>
        <FaultStatus>None</FaultStatus>
        <SLAStatus>None</SLAStatus>
        <OverallStatus>Up</OverallStatus>
      </AuditFlag>
      <endpointcount>2</endpointcount>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="131076"
uri="/api/space/nsas/device-roles/pe-devices/131076"
href="/api/space/nsas/device-roles/pe-devices/131076">
            <DeviceName>SG3re</DeviceName>
            <DeviceID>131076</DeviceID>
            <CMPDeviceID>131076</CMPDeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/9</InterfaceName>
          <InterfaceIndex>527</InterfaceIndex>
          <InterfaceStatus>up</InterfaceStatus>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterServiceType">

```

```

<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
    <LogicalEncapsulation>vlan-bridge</LogicalEncapsulation>
    <EthernetOption>dot1q</EthernetOption>
    <UNIDescription>N/A</UNIDescription>
    <MTU>1522</MTU>
    <MACLearning>false</MACLearning>
    <InterfaceMACLimit>1024</InterfaceMACLimit>
    <MACStatistics>false</MACStatistics>
    <MACTableSize>5120</MACTableSize>
    <OuterTPID>None</OuterTPID>
    <UnitId>45</UnitId>
    <CFMIntfEnabled>false</CFMIntfEnabled>
    <VlanIdList>15</VlanIdList>
</ServiceEndpointConfiguration>
<ServiceTemplates />
    <ServiceEndpointID>393220</ServiceEndpointID>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA key=" "131080" "
uri=" "/api/space/nsas/device-roles/pe-devices/131080" "
href=" "/api/space/nsas/device-roles/pe-devices/131080" ">
            <DeviceName>SG4re</DeviceName>
            <DeviceID>131080</DeviceID>
            <CMPDeviceID>131082</CMPDeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/1/0</InterfaceName>
        <InterfaceIndex>528</InterfaceIndex>
        <InterfaceStatus>up</InterfaceStatus>
        <ServiceEndpointConfiguration
xmlns:xsi=" "http://www.w3.org/2001/XMLSchema-instance" "
xsi:type=" "VPLSBGPEndPtConfigParameterServiceType" ">

<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
    <LogicalEncapsulation>vlan-bridge</LogicalEncapsulation>
    <EthernetOption>dot1q</EthernetOption>
    <UNIDescription>N/A</UNIDescription>
    <MTU>1522</MTU>
    <MACLearning>false</MACLearning>
    <InterfaceMACLimit>1024</InterfaceMACLimit>
    <MACStatistics>false</MACStatistics>

```

```

        <MACTableSize>5120</MACTableSize>
        <OuterTPID>None</OuterTPID>
        <UnitId>56</UnitId>
        <CFMIntfEnabled>>false</CFMIntfEnabled>
        <VlanIdList>14</VlanIdList>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
    <ServiceEndpointID>393221</ServiceEndpointID>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterServiceType">
    <TrafficType>Transport vlan list</TrafficType>
    <RouteTarget>100:237</RouteTarget>
    <VLANNormalization>Not Normalized</VLANNormalization>
    <MTUFactor>10</MTUFactor>
    <RouteDistinguisher>100:281</RouteDistinguisher>
    <AutoDiscovery>>false</AutoDiscovery>
</ServiceParameters>
<Reference>
    <ServiceOrder
uri="/api/space/nsas/elan-vpls/service-management/service-orders/393216"
href="/api/space/nsas/elan-vpls/service-management/service-orders/393216"
key="393216" />
    <ServiceDefinition>
        <ServiceDefinitionID
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/163841"
href="/api/space/nsas/elan-vpls/service-management/service-definitions/163841"
key="163841">
            <ServiceDefinitionName>evpn_1</ServiceDefinitionName>
        </ServiceDefinitionID>
    </ServiceDefinition>
    <Customer uri="/api/space/nsas/customer-management/customers/1"
href="/api/space/nsas/customer-management/customers/1" key="1">
        <CustomerName>apple</CustomerName>
    </Customer>
</Reference>
</Service>
</ServiceResource>
</Data>
"

```

GET an E-LAN Service With virtual-switch as the Instance Type

This request is used to retrieve an E-LAN service with virtual-switch as the instance type.

| | |
|--------------|--|
| URL | /api/space/nsas/elan-vpls/service-management/services/paging/<service id> |
| HTTP Method | GET |
| Sample URL | https://192.0.2.10:8443/api/space/nsas/elan-vpls/service-management/services/paging/786434 |
| Accept | application/vnd.net.juniper.space.service-management.service+xml;version=2 |
| Content Type | Not Applicable |

Request

Not Applicable

Response

```

"<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service key="786434"
uri="/api/space/nsas/elan-vpls/service-management/services/786434"
href="/api/space/nsas/elan-vpls/service-management/services/786434">
      <Common>
        <Name>virtualSwitch_test</Name>
        <Identity>786434</Identity>
        <State>DeploymentPending</State>
        <CreateDate>2018-06-19T20:12:55.000+05:30</CreateDate>
        <LastUpdatedDate>2018-06-19T20:12:55.000+05:30</LastUpdatedDate>
        <InstanceType>virtual-switch</InstanceType>
        <Protocol>vpls</Protocol>
      </Common>
      <ServiceType>VPLS</ServiceType>
      <Signalling>BGP</Signalling>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <ConfigurationAudit>Pending</ConfigurationAudit>
        <FaultStatus>None</FaultStatus>
        <SLAStatus>None</SLAStatus>
        <OverallStatus>N/A</OverallStatus>
      </AuditFlag>
      <endpointcount>1</endpointcount>
    </Service>
  </ServiceResource>
</Data>

```

```

        <ServiceEndPointGroup>
            <DeviceInfo>
                <NA key="131076"
uri="/api/space/nsas/device-roles/pe-devices/131076"
href="/api/space/nsas/device-roles/pe-devices/131076">
                    <DeviceName>SG3re</DeviceName>
                    <DeviceID>131076</DeviceID>
                    <CMPDeviceID>131076</CMPDeviceID>
                </NA>
            </DeviceInfo>
            <ServiceEndPoint>
                <InterfaceName>ge-0/1/1</InterfaceName>
                <InterfaceIndex>529</InterfaceIndex>
                <InterfaceStatus>up</InterfaceStatus>
                <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPPEndPointConfigParameterServiceType">

<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
                <LogicalEncapsulation>vlan-bridge</LogicalEncapsulation>
                <EthernetOption>dot1q</EthernetOption>
                <UNIDescription>N/A</UNIDescription>
                <MTU>1522</MTU>
                <Bandwidth unit="Mbps">10</Bandwidth>
                <MACLearning>false</MACLearning>
                <InterfaceMACLimit>1024</InterfaceMACLimit>
                <MACStatistics>false</MACStatistics>
                <MACTableSize>5120</MACTableSize>
                <OuterTPID>None</OuterTPID>
                <UnitId>34</UnitId>
                <CFMIntfEnabled>false</CFMIntfEnabled>
                <VlanIdList>12,34-36,54</VlanIdList>
            </ServiceEndpointConfiguration>
            <ServiceTemplates />
            <ServiceEndpointID>1081369</ServiceEndpointID>
        </ServiceEndPoint>
    </ServiceEndPointGroup>
    <ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterServiceType">
        <TrafficType>Transport vlan list</TrafficType>
        <RouteTarget>100:10</RouteTarget>
        <VLANNormalization>Not Normalized</VLANNormalization>
        <MTUFactor>10</MTUFactor>
        <RouteDistinguisher>100:9</RouteDistinguisher>
    </ServiceParameters>
</VPLSConfigParameterServiceType>

```

```

        <AutoDiscovery>false</AutoDiscovery>
    </ServiceParameters>
    <Reference>
        <ServiceOrder
uri="" /api/space/nsas/elan-vpls/service-management/service-orders/1081348""
href="" /api/space/nsas/elan-vpls/service-management/service-orders/1081348""
key=""1081348"" />
        <ServiceDefinition>
            <ServiceDefinitionID
uri="" /api/space/nsas/elan-vpls/service-management/service-definitions/163840""
href="" /api/space/nsas/elan-vpls/service-management/service-definitions/163840""
key=""163840"">
                <ServiceDefinitionName>virtualswitch</ServiceDefinitionName>

            </ServiceDefinitionID>
        </ServiceDefinition>
        <Customer uri="" /api/space/nsas/customer-management/customers/1""
href="" /api/space/nsas/customer-management/customers/1"" key=""1"">
            <CustomerName>apple</CustomerName>
        </Customer>
    </Reference>
</Service>
</ServiceResource>
</Data>"
"

```

Modify an E-LAN BGP Service with Pseudowire Redundancy

This request is used to modify an E-LAN BGP service with pseudowire redundancy.

| | |
|--------------|---|
| URI | api/space/nsas/elan-vpls/service-management/ services/{service-Id} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management. modify-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml;version=2 |
| Produces | Modifies an E-LAN BGP service with pseudowire redundancy. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>vppls_p2m_bgp_redundancy_modify</Name>
      </Common>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
      </AuditFlag>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/device-roles/pe-devices/3244048"
uri="/api/space/nsas/device-roles/pe-devices/3244048"
key="3244048">
            <DeviceName>jaipur</DeviceName>
            <DeviceID>3244048</DeviceID>
            <CMPDeviceID>3211292</CMPDeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/1/1</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSBGPEndPointConfigParameterServiceType">

            <CustomerVlanId>567</CustomerVlanId>
            <MACLearning>true</MACLearning>
            <InterfaceMACLimit>1024</InterfaceMACLimit>
            <MACStatistics>false</MACStatistics>
            <MACTableSize>5120</MACTableSize>

            <Hub>true</Hub>
          </ServiceEndpointConfiguration>

        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceEndPointGroup>
```

```

    <DeviceInfo>
      <NA href="/api/space/nsas/device-roles/pe-devices/3244261"
uri="/api/space/nsas/device-roles/pe-devices/3244261"
      key="3244261">
        <DeviceName>junos-mx240-space</DeviceName>
        <DeviceID>3244261</DeviceID>
        <CMPDeviceID>3211327</CMPDeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-0/0/4</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSBGPEndPointConfigParameterServiceType">
        <CustomerVlanId>567</CustomerVlanId>
        <MACLearning>true</MACLearning>
        <InterfaceMACLimit>1024</InterfaceMACLimit>
        <MACStatistics>false</MACStatistics>
        <MACTableSize>5120</MACTableSize>

        <Hub>true</Hub>
      </ServiceEndpointConfiguration>

    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA href="/api/space/nsas/device-roles/pe-devices/3244057"
uri="/api/space/nsas/device-roles/pe-devices/3244057"
      key="3244057">
        <DeviceName>kochin</DeviceName>
        <DeviceID>3244057</DeviceID>
        <CMPDeviceID>3211280</CMPDeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-0/0/7</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSBGPEndPointConfigParameterServiceType">

        <CustomerVlanId>567</CustomerVlanId>

```

```

    <MACLearning>true</MACLearning>
    <InterfaceMACLimit>1024</InterfaceMACLimit>
    <MACStatistics>false</MACStatistics>
    <MACTableSize>5120</MACTableSize>
    <Hub>false</Hub>
    <EnableP2PSpoke>true</EnableP2PSpoke>
    <HubConnectivityName>MG_Default</HubConnectivityName>
    <NeighbourHub>embassy</NeighbourHub>
    <BackupNeighbourHub>junos-mx240-space</BackupNeighbourHub>
  </ServiceEndpointConfiguration>

</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/3244100"
uri="/api/space/nsas/device-roles/pe-devices/3244100"
    key="3244100">
    <DeviceName>embassy</DeviceName>
    <DeviceID>3244100</DeviceID>
    <CMPDeviceID>3211300</CMPDeviceID>
  </NA>
</DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-1/0/7</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSHSBGP endPointConfigParameterServiceType">
      <CustomerVlanId>567</CustomerVlanId>
      <MACLearning>true</MACLearning>
      <InterfaceMACLimit>1024</InterfaceMACLimit>
      <MACStatistics>false</MACStatistics>
      <MACTableSize>5120</MACTableSize>

      <Hub>true</Hub>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterServiceType">
  <VLANNormalization>Normalize to QinQ</VLANNormalization>
  <HubRouteTarget>100:114733</HubRouteTarget>

```

```
<QinQVLANOuterTag>512</QinQVLANOuterTag>
<QinQVLANInnerTag>555</QinQVLANInnerTag>
</ServiceParameters>
</ServiceOrder>
</ServiceResource>
</Data>
```

Output

Sample XML Output

Modify an E-LAN BGP Service with Addition of a Site

This request is used to modify an E-LAN BGP service with addition of a site.

| | |
|--------------|---|
| URI | api/space/nsas/elan-vpls/service-management/services/{service-Id}/add-sites |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. modify-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml;version=2 |
| Produces | Modifies an E-LAN BGP service with addition of a site. |

Input

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junos-mx240-space</DeviceName>
          </NA>
        </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-0/1/8</InterfaceName>
        <ServiceEndpointConfiguration
          xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
          xsi:type="VPLSBGPPEndPointConfigParameterServiceType">
          <MTU>1522</MTU>
          <MACLearning>true</MACLearning>
          <InterfaceMACLimit>1024</InterfaceMACLimit>
          <MACStatistics>false</MACStatistics>
          <MACTableSize>5120</MACTableSize>
          <Bandwidth unit="Mbps">10</Bandwidth>
          <UnitId>45</UnitId>
        </ServiceEndpointConfiguration>
      </ServiceEndPoint>
    </ServiceEndPointGroup>
  </ServiceOrder>
</ServiceResource>
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="ServiceCustomActionType">
    <Action>SaveAndValidate</Action>
  </CustomAction>
</Data>

```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>360729</Value>
    </Identity>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>360786</Value>
    </Identity>
    <Job>
      <ID>196726</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Modified Successfully and Validation is in Progress.
Please check the status using the JOB ID.</Message>
  </Status>
</Data>
```

Modify an E-LAN BGP Service with Updates to an Existing Site Parameters

This request is used to modify an E-LAN BGP service with updates to an already existing endpoint or site.

| | |
|--------------|---|
| URI | api/space/nsas/elan-vpls/service-management/services/{service-Id}/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. modify-service+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml |
| Produces | Modifies an E-LAN BGP service with updates to an already existing endpoint or site. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <ServiceType>VPLS</ServiceType>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>embassy</DeviceName>
            <DeviceID>524404</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/0/2</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="VPLSBGPEndPointConfigParameterServiceType">
            <MTU>1524</MTU>
            <MACLearning>true</MACLearning>
            <InterfaceMACLimit>1024</InterfaceMACLimit>
            <MACStatistics>false</MACStatistics>
            <MACTableSize>5120</MACTableSize>
            <Bandwidth unit="Mbps">10</Bandwidth>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1900686</Value>
    </Identity>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>3899520</Value>
    </Identity>
    <Job>
      <ID>1311009</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Modified Successfully and Validation is in
      Progress. Please check the status using the JOB ID.</Message>
    </Status>
  </Data>
```

Modify an E-LAN BGP Service with Deletion of a Site

This request is used to modify an E-LAN BGP service with deletion of a site.

| | |
|--------------|--|
| URI | api/space/nsas/elan-vpls/service-management/services/{service-Id}/delete-sites |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.modify-service+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml |
| Produces | Modifies an E-LAN BGP service with deletion of a site. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>jaipur</DeviceName>
            <DeviceID>524349</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/3</InterfaceName>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>
  <CustomAction xsi:type="ServiceCustomActionType">
    <Action>SaveAndValidate</Action>
  </CustomAction>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>262489</Value>
    </Identity>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>786451</Value>
    </Identity>
```

```
<Job>
  <ID>262186</ID>
  <Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>The Service Modified Successfully and Validation is in
  Progress. Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Modify an E-LAN BGP Service for Service Name and Endpoint Details

This request is used to modify an E-LAN BGP service for service name and endpoint information.

| | |
|--------------|---|
| URI | api/space/nsas/elan-vpls/service-management/services/{service-Id} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. modify-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml;version=2 |
| Produces | Modifies an E-LAN BGP service with updates to service name and endpoint details. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
```

```

<ServiceOrder>
  <ServiceType>VPLS</ServiceType>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA>
        <DeviceName>junos-mx80-1-space</DeviceName>
        <DeviceID>1048729</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-1/3/6</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="VPLSBGPEndPointConfigParameterServiceType">
        <MTU>1524</MTU>
        <MACLearning>true</MACLearning>
        <InterfaceMACLimit>1024</InterfaceMACLimit>
        <MACStatistics>false</MACStatistics>
        <MACTableSize>5120</MACTableSize>
        <Bandwidth unit="Mbps">10</Bandwidth>

        </ServiceEndpointConfiguration>
      </ServiceEndPoint>
    </ServiceEndPointGroup>
  </ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>360729</Value>
    </Identity>

```

```
<Identity>
  <Type>ServiceOrder</Type>
  <Value>360786</Value>
</Identity>
<Job>
  <ID>196726</ID>
  <Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>The Service Modified Successfully and Validation is in Progress.
Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Get All E-LAN BGP Services

This request is used to retrieve all the configured E-LAN BGP services.

| | |
|-------------|---|
| URI | api/space/nsas/elan-vpls/service-management/services |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml |
| Produces | Collects all the configured E-LAN BGP services. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="2">
    <Service href="/api/space/nsas/elan-vpls/service-management/services/3112986"

      uri="/api/space/nsas/elan-vpls/service-management/services/3112986"
```

```

key="3112986">
  <Common>
    <Name>Ser3</Name>
    <Identity>3112986</Identity>
    <State>Deployed</State>
    <Comments>Ser3</Comments>
    <CreatedDate>2012-09-22T12:07:23.000+05:30</CreatedDate>
    <LastUpdatedDate>2012-09-22T12:07:23.000+05:30</LastUpdatedDate>
  </Common>
  <ServiceType>VPLS</ServiceType>
  <AuditFlag>
    <FunctionalAudit>Pending</FunctionalAudit>
    <FaultStatus>None</FaultStatus>
  </AuditFlag>
  <Reference>
    <ServiceOrder key="3112974"
      href="/api/space/nsas/elan-vpls/service-management/service-orders/3112974"

      uri="/api/space/nsas/elan-vpls/service-management/service-orders/3112974"
    />
    <ServiceDefinition>
      <ServiceDefinitionID key="262144"

      href="/api/space/nsas/elan-vpls/service-management/service-definitions/262144"

      uri="/api/space/nsas/elan-vpls/service-management/service-definitions/262144"
    />
    </ServiceDefinition>
    <Customer key="1048781"
      href="/api/space/nsas/customer-management/customers/1048781"
    uri="/api/space/nsas/customer-management/customers/1048781" />
    </Reference>
  </Service>
  <Service href="/api/space/nsas/elan-vpls/service-management/services/3113013"

  uri="/api/space/nsas/elan-vpls/service-management/services/3113013"
key="3113013">
  <Common>
    <Name>Ser1</Name>
    <Identity>3113013</Identity>
    <State>Deployed</State>

```

```

    <Comments>Ser1</Comments>
    <CreatedDate>2012-09-22T12:10:26.000+05:30</CreatedDate>
    <LastUpdatedDate>2012-09-22T12:10:26.000+05:30</LastUpdatedDate>
  </Common>
  <ServiceType>VPLS</ServiceType>
  <AuditFlag>
    <FunctionalAudit>Pending</FunctionalAudit>
    <FaultStatus>None</FaultStatus>
  </AuditFlag>
  <Reference>
    <ServiceOrder key="3113001"
      href="/api/space/nsas/elan-vpls/service-management/service-orders/3113001"

      uri="/api/space/nsas/elan-vpls/service-management/service-orders/3113001"
    />
    <ServiceDefinition>
      <ServiceDefinitionID key="262144"

      href="/api/space/nsas/elan-vpls/service-management/service-definitions/262144"

      uri="/api/space/nsas/elan-vpls/service-management/service-definitions/262144"
    />
    </ServiceDefinition>
    <Customer key="1048781"
      href="/api/space/nsas/customer-management/customers/1048781"
      uri="/api/space/nsas/customer-management/customers/1048781" />
    </Reference>
  </Service>
</ServiceResource>
</Data>

```

Get All E-LAN BGP Services By Customer ID or Name

This request is used to retrieve all the configured Layer 2 Ethernet Private Line (EPL, also called E-LINE) services based on customer name or customer ID.

| | |
|-------------|--|
| URI | api/space/nsas/elan-vpls/service-management/services ?customerId=360448 api/space/nsas/elan-vpls/service-management/services ?customerName=Customer_005 |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. services+xml;version=2 |
| Produces | Collects all the configured E-LAN BGP services based on the customer name or ID. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="2">
    <Service href="/api/space/nsas/elan-vpls/service-management/services/3112986"

      uri="/api/space/nsas/elan-vpls/service-management/services/3112986"
      key="3112986">
      <Common>
        <Name>Ser3</Name>
        <Identity>3112986</Identity>
        <State>Deployed</State>
        <Comments>Ser3</Comments>
        <CreatedDate>2012-09-22T12:07:23.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-09-22T12:07:23.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>VPLS</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
      </AuditFlag>
```

```

    <Reference>
      <ServiceOrder key="3112974"
        href="/api/space/nsas/elan-vpls/service-management/service-orders/3112974"

        uri="/api/space/nsas/elan-vpls/service-management/service-orders/3112974"
      />
      <ServiceDefinition>
        <ServiceDefinitionID key="262144"

        href="/api/space/nsas/elan-vpls/service-management/service-definitions/262144"

        uri="/api/space/nsas/elan-vpls/service-management/service-definitions/262144"
      />
      </ServiceDefinition>
      <Customer key="1048781"
        href="/api/space/nsas/customer-management/customers/1048781"
      uri="/api/space/nsas/customer-management/customers/1048781" />
    </Reference>
  </Service>
  <Service href="/api/space/nsas/elan-vpls/service-management/services/3113013"

    uri="/api/space/nsas/elan-vpls/service-management/services/3113013"
  key="3113013">
    <Common>
      <Name>Ser1</Name>
      <Identity>3113013</Identity>
      <State>Deployed</State>
      <Comments>Ser1</Comments>
      <CreatedDate>2012-09-22T12:10:26.000+05:30</CreatedDate>
      <LastUpdatedDate>2012-09-22T12:10:26.000+05:30</LastUpdatedDate>
    </Common>
    <ServiceType>VPLS</ServiceType>
    <AuditFlag>
      <FunctionalAudit>Pending</FunctionalAudit>
      <FaultStatus>None</FaultStatus>
    </AuditFlag>
    <Reference>
      <ServiceOrder key="3113001"
        href="/api/space/nsas/elan-vpls/service-management/service-orders/3113001"

        uri="/api/space/nsas/elan-vpls/service-management/service-orders/3113001"

```

```

/>
  <ServiceDefinition>
    <ServiceDefinitionID key="262144"

href="/api/space/nsas/elan-vpls/service-management/service-definitions/262144"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/262144"
  />
    </ServiceDefinition>
    <Customer key="1048781"
      href="/api/space/nsas/customer-management/customers/1048781"
uri="/api/space/nsas/customer-management/customers/1048781" />
    </Reference>
  </Service>
</ServiceResource>
</Data>

<h4><span id="vplsserss"></span>4.9 Get All Services with
Sorting/Searching/Pagination--VPLS    <a href="#contents"
style="font-size:14px;">[ Top ]</a></h4>
<p>
  <b><u>URI</u></b>
  :
  <a>

api/space/nsas/elan-vpls/service-management/services?sortorder=desc&sortedby=Name&filteredby=Name::Ser

  </a>
</p>
<p>
  <b><u>METHOD</u></b>
  : GET
</p>
<p>
  <b><u>Accept:</u></b>
  application/vnd.net.juniper.space.service-management.services+xml;version=2
</p>
<p>
  <b><u>Sample Response</u></b>
  <u>:</u>
</p>

```

```

<textarea rows="25" spellcheck=false readonly=true style="background-color:
  lightyellow;width: 1250px; height: 200px;">
  <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="2">
    <Service href="/api/space/nsas/elan-vpls/service-management/services/3112986"

      uri="/api/space/nsas/elan-vpls/service-management/services/3112986"
key="3112986">
      <Common>
        <Name>Ser3</Name>
        <Identity>3112986</Identity>
        <State>Deployed</State>
        <Comments>Ser3</Comments>
        <CreatedDate>2012-09-22T12:07:23.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-09-22T12:07:23.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>VPLS</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
      </AuditFlag>
      <Reference>
        <ServiceOrder key="3112974"
href="/api/space/nsas/elan-vpls/service-management/service-orders/3112974"

          uri="/api/space/nsas/elan-vpls/service-management/service-orders/3112974"
        />
        <ServiceDefinition>
          <ServiceDefinitionID key="262144"

href="/api/space/nsas/elan-vpls/service-management/service-definitions/262144"

          uri="/api/space/nsas/elan-vpls/service-management/service-definitions/262144"
        />
        </ServiceDefinition>
        <Customer key="1048781"
href="/api/space/nsas/customer-management/customers/1048781"
uri="/api/space/nsas/customer-management/customers/1048781" />
      </Reference>
    </Service>
  </ServiceResource>
</Data>

```

```

    <Service href="/api/space/nsas/elan-vpls/service-management/services/3113013"

    uri="/api/space/nsas/elan-vpls/service-management/services/3113013"
    key="3113013">
      <Common>
        <Name>Ser1</Name>
        <Identity>3113013</Identity>
        <State>Deployed</State>
        <Comments>Ser1</Comments>
        <CreatedDate>2012-09-22T12:10:26.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-09-22T12:10:26.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>VPLS</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
      </AuditFlag>
      <Reference>
        <ServiceOrder key="3113001"
        href="/api/space/nsas/elan-vpls/service-management/service-orders/3113001"

        uri="/api/space/nsas/elan-vpls/service-management/service-orders/3113001"
      />
      <ServiceDefinition>
        <ServiceDefinitionID key="262144"

href="/api/space/nsas/elan-vpls/service-management/service-definitions/262144"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/262144"
      />
      </ServiceDefinition>
      <Customer key="1048781"
        href="/api/space/nsas/customer-management/customers/1048781"
uri="/api/space/nsas/customer-management/customers/1048781" />
      </Reference>
    </Service>
  </ServiceResource>
</Data>

```

Get E-LAN BGP Service Details By Service ID

This request is used to retrieve the details of a particular E-LAN BGP service based on the service ID.

| | |
|-------------|---|
| URI | api/space/nsas/elan-vpls/service-management/services/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml;version=2 |
| Produces | Collects the details of a specific E-LAN BGP service by service ID. |

Output (Version 2)

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service key="2785331"
      uri="/api/space/nsas/elan-vpls/service-management/services/2785331"
      href="/api/space/nsas/elan-vpls/service-management/services/2785331">
      <Common>
        <Name>VPLSSO_BGP_MDFSO_2014-07-2217-28-55.366</Name>
        <Identity>2785331</Identity>
        <State>Deployed</State>
        <CreatedDate>2014-07-22T17:33:57.000+05:30</CreatedDate>
        <LastUpdatedDate>2014-07-22T17:33:57.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>VPLS</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
        <SLAStatus>None</SLAStatus>
      </AuditFlag>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="524482" uri="/api/space/nsas/device-roles/pe-devices/524482"
            href="/api/space/nsas/device-roles/pe-devices/524482">
            <DeviceName>amx-1100-a</DeviceName>
```

```

<DeviceID>524482</DeviceID>
<CMPDeviceID>131285</CMPDeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge-1/3/4</InterfaceName>
<InterfaceIndex>566</InterfaceIndex>
<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterServiceType">
<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
<UNIDescription>N/A</UNIDescription>
<VlanId>2</VlanId>
<MTU>1522</MTU>
<Bandwidth unit="Mbps">10</Bandwidth>
<MACLearning>true</MACLearning>
<InterfaceMACLimit>1024</InterfaceMACLimit>
<MACStatistics>false</MACStatistics>
<MACTableSize>5120</MACTableSize>
<OuterTPID>None</OuterTPID>
<UnitId>2</UnitId>
</ServiceEndpointConfiguration>
<ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DeviceInfo>
<NA key="524482" uri="/api/space/nsas/device-roles/pe-devices/524482"
href="/api/space/nsas/device-roles/pe-devices/524482">
<DeviceName>amx-1100-a</DeviceName>
<DeviceID>524482</DeviceID>
<CMPDeviceID>131285</CMPDeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge-1/3/5</InterfaceName>
<InterfaceIndex>567</InterfaceIndex>
<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterServiceType">
<PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
<UNIDescription>N/A</UNIDescription>

```

```

<VlanId>12</VlanId>
<MTU>1522</MTU>
<Bandwidth unit="Mbps">10</Bandwidth>
<MACLearning>true</MACLearning>
<InterfaceMACLimit>1024</InterfaceMACLimit>
<MACStatistics>>false</MACStatistics>
<MACTableSize>5120</MACTableSize>
<OuterTPID>None</OuterTPID>
<UnitId>12</UnitId>
</ServiceEndpointConfiguration>
<ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterServiceType">
<RouteTarget>69:1454096390</RouteTarget>
<VLANNormalization>Not Normalized</VLANNormalization>
<AutoDiscovery>>false</AutoDiscovery>
</ServiceParameters>
<Reference>
<ServiceOrder
uri="/api/space/nsas/elan-vpls/service-management/service-orders/2785319"
href="/api/space/nsas/elan-vpls/service-management/service-orders/2785319"
key="2785319"/>
<ServiceDefinition>
<ServiceDefinitionID
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/360448"
href="/api/space/nsas/elan-vpls/service-management/service-definitions/360448"
key="360448"/>
</ServiceDefinition>
<Customer uri="/api/space/nsas/customer-management/customers/524831"
href="/api/space/nsas/customer-management/customers/524831" key="524831"/>
</Reference>
</Service>
</ServiceResource>
</Data>

```

Force-Deploy an E-LAN BGP Service

This request is used to forcibly deploy a previously created E-LAN BGP service.

| | |
|--------------|---|
| URI | api/space/nsas/elan-vpls/service-management/services/{serviceId} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.modify-service+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml The options must be specified in the Action Element inside OperationSpecificData. The various options are as follows: <ul style="list-style-type: none"> • DeployNow • DeployLater |
| Produces | Forcibly deploys a previously created E-LAN BGP service. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <CustomAction xsi:type="ServiceCustomActionType">
    <Action>DeployNow</Action>
  </CustomAction>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
```

```
<Status>
  <Identity>
    <Type>Service</Type>
    <Value>3112986</Value>
  </Identity>
  <Job>
    <ID>1245202</ID>
    <Status>INPROGRESS</Status>
  </Job>
  <Code>200</Code>
  <Message>Service Force Deploy was Successfully triggered. Please check
    the status using the JOB ID.</Message>
</Status>
</Data>
```

Bulk Force-Deploy an E-LAN Service

This request is used to forcibly deploy previously created services in a bulk operation.

| | |
|--------------|---|
| URI | api/space/nsas/elan-vpls/service-management/ services/{serviceld} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. modify-service+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml The options must be specified in the Action Element inside OperationSpecificData. The various options are as follows: <ul style="list-style-type: none">• DeployNow• DeployLater |
| Produces | Forcibly deploys previously created services in a bulk operation. |

Input (Bulk Force-Deploy Immediately)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
  <Identity>
    <Type>Service</Type>
    <Value>1085688</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085713</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085724</Value>
  </Identity>
  <CustomAction xsi:type="ServiceCustomActionType">
    <Action>DeployNow</Action>
  </CustomAction>
</Data>
```

Input (Bulk Force-Deploy Later)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
  <Identity>
    <Type>Service</Type>
    <Value>1085688</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085713</Value>
  </Identity>
  <Identity>
```

```

<Type>Service</Type>
<Value>1085724</Value>
    </Identity>

    <CustomAction xsi:type="ServiceCustomActionType">
        <Action>DeployLater</Action>
        <ScheduledDateTime>
2014-11-12T12:15:18.000</ScheduledDateTime>
    </CustomAction>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1638623</Value>
    </Identity>
    <Job>
      <ID>622725</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service Force Deploy was Successfully triggered. Please check
the status using the JOB ID.</Message>
  </Status>
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1638634</Value>
    </Identity>
    <Job>
      <ID>622730</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
  </Status>
</Data>

```

```
<Message>Service Force Deploy was Successfully triggered. Please check
the status using the JOB ID.</Message>
</Status>
</Data>
```

Bulk Decommission E-LAN Services

This request is used to decommission previously created services in a bulk operation..

| | |
|--------------|--|
| URI | api/space/nsas/elan-vpls/service-management/ services/{serviceld} |
| HTTP Method | DELETE |
| Content-Type | application/vnd.net.juniper.space.service-management.service+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml |
| Produces | Performs a single-step, wholesale decommissioning of previously created services. |

Input (Bulk Decommission Immediately)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
  <Identity>
    <Type>Service</Type>
    <Value>1085688</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085713</Value>
  </Identity>
```

```

        <Identity>
        <Type>Service</Type>
        <Value>1085724</Value>
        </Identity>
        <CustomAction xsi:type="ServiceCustomActionType">
            <Action>DecommissionNow</Action>
        </CustomAction>
    </Data>

```

Input (Bulk Decommission Later)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
    <Identity>
    <Type>Service</Type>
    <Value>1085688</Value>
    </Identity>
    <Identity>
    <Type>Service</Type>
    <Value>1085713</Value>
    </Identity>
    <Identity>
    <Type>Service</Type>
    <Value>1085724</Value>
    </Identity>

    <CustomAction xsi:type="ServiceCustomActionType">
        <Action>DecommissionLater</Action>
        <ScheduledDateTime>
2014-11-12T12:15:18.000</ScheduledDateTime>
    </CustomAction>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1638623</Value>
    </Identity>
    <Job>
      <ID>622760</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service Decommission was Successfully triggered. Please check
the status using the JOB ID.</Message>
  </Status>
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1638634</Value>
    </Identity>
    <Job>
      <ID>622761</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service Decommission was Successfully triggered. Please check
the status using the JOB ID.</Message>
  </Status>
</Data>

```

Decommission an E-LAN BGP Service Immediately

This request is used to decommission a previously created E-LAN BGP service immediately.

| | |
|--------------|--|
| URI | api/space/nsas/elan-vpls/service-management/ services/{serviceId} |
| HTTP Method | DELETE |
| Content-Type | application/vnd.net.juniper.space.service-management. service+xml |

Produces

Decommissions a previously created E-LAN BGP service immediately.

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <CustomAction xsi:type="ServiceCustomActionType">
    <Action>DecommissionNow</Action>
  </CustomAction>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>3112986</Value>
    </Identity>
    <Job>
      <ID>1245209</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service Decommission was Successfully triggered. Please check
      the status using the JOB ID.</Message>
  </Status>
</Data>
```

Get E-LAN Service Details with Endpoints Paginated

This request is used to get E-LAN service details with endpoints paginated.

| | |
|--------------|--|
| URI | api/space/nsas/elan-vpls/service-management/services/paging |
| HTTP Method | GET |
| Content-Type | application/vnd.net.juniper.space.service-management.service+xml |
| Produces | Gets E-LAN BGP service details.. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="true"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service href="/api/space/nsas/elan-vpls/service-management/services/9569287"
      uri="/api/space/nsas/elan-vpls/service-management/services/9569287"
      key="9569287">
      <Common>
        <Name>VPLS-3213210</Name>
        <Identity>9569287</Identity>
        <State>Deployed</State>
        <CreatedDate>2016-06-26T21:41:23.000+05:30</CreatedDate>
        <LastUpdatedDate>2016-06-26T22:57:05.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>VPLS</ServiceType>
      <Signalling>BGP</Signalling>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <ConfigurationAudit>Pending</ConfigurationAudit>
        <FaultStatus>None</FaultStatus>
        <SLAStatus>None</SLAStatus>
        <OverallStatus>N/A</OverallStatus>
      </AuditFlag>
      <endpointcount>14</endpointcount>
      <ServiceEndPointGroup>
```

```

<DeviceInfo>
  <NA href="/api/space/nsas/device-roles/pe-devices/917507"
  uri="/api/space/nsas/device-roles/pe-devices/917507" key="917507">
    <DeviceName>480R3_EL_AB_re</DeviceName>
    <DeviceID>917507</DeviceID>
    <CMPDeviceID>458774</CMPDeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-0/0/4</InterfaceName>
  <ServiceEndpointConfiguration
xsi:type="VPLSBGPPEndPointConfigParameterServiceType"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
    <EthernetOption>qinq</EthernetOption>
    <UNIDescription>N/A</UNIDescription>
    <VlanId>555</VlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Mbps">10</Bandwidth>
    <MACLearning>false</MACLearning>
    <InterfaceMACLimit>1024</InterfaceMACLimit>
    <MACStatistics>false</MACStatistics>
    <MACTableSize>5120</MACTableSize>
    <OuterTPID>None</OuterTPID>
    <UnitId>34</UnitId>
    <CFMIntfEnabled>false</CFMIntfEnabled>
  </ServiceEndpointConfiguration>
  <ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceParameters xsi:type="VPLSConfigParameterServiceType"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <TrafficType>Transport all traffic</TrafficType>
  <RouteTarget>36000:20</RouteTarget>
  <VLANNormalization>Normalize All</VLANNormalization>
  <MTUFactor>10</MTUFactor>
  <RouteDistinguisher>36000:35</RouteDistinguisher>
  <AutoDiscovery>false</AutoDiscovery>
</ServiceParameters>
<Reference>
  <ServiceOrder
href="/api/space/nsas/elan-vpls/service-management/service-orders/9569214"

```

```
uri="/api/space/nsas/elan-vpls/service-management/service-orders/9569214"
key="9569214"/>
<ServiceDefinition>
<ServiceDefinitionID
href="/api/space/nsas/elan-vpls/service-management/service-definitions/9569105"
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/9569105"
key="9569105">
<ServiceDefinitionName>VPLS_Def</ServiceDefinitionName>
</ServiceDefinitionID>
</ServiceDefinition>
<Customer href="/api/space/nsas/customer-management/customers/917644"
uri="/api/space/nsas/customer-management/customers/917644" key="917644">
<CustomerName>Juniper</CustomerName>
</Customer>
</Reference>
</Service>
</ServiceResource>
</Data>
```

Submit modified E-LAN Service

This request submits modified E-LAN service.

| | |
|--------------|---|
| URI | api/space/nsas/elan-vpls/service-management/ services/1869230/update-sites |
| HTTP Method | SUBMIT |
| Content-Type | application/vnd.net.juniper.space.service-management. service+xml |
| Produces | Submits modified E-LAN service. |

Input

Sample XML Input

```

<?xml version="1.0"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>VPLS_PMP_LDP_modify_Jul-05-2016_14-47</Name>
        <CreatedBy>super</CreatedBy>
      </Common>
      <DeletedDeviceInfo>
        <DeviceInfo>
          <NA>
            <DeviceName>960R1_EN_Alok_re</DeviceName>
            <DeviceID>2097235</DeviceID>
          </NA>
        </DeviceInfo>
      </DeletedDeviceInfo>
      <HubSpokeDevicesInfo>
        <HubSpokeDeviceInfo>
          <SpokeDeviceName>960R2_EN_Alok_re</SpokeDeviceName>
          <NeighbourHub>480R3_EN_Alok_re</NeighbourHub>
          <EnableP2PSpoke>false</EnableP2PSpoke>
          <BackUpNeighbourHub>480R3_SV_Alok_re</BackUpNeighbourHub>
        </HubSpokeDeviceInfo>
        <HubSpokeDeviceInfo>
          <SpokeDeviceName>480R4_EN_Alok_re</SpokeDeviceName>
          <NeighbourHub>480R3_EN_Alok_re</NeighbourHub>
          <EnableP2PSpoke>true</EnableP2PSpoke>
          <BackUpNeighbourHub>480R3_SV_Alok_re</BackUpNeighbourHub>
        </HubSpokeDeviceInfo>
      </HubSpokeDevicesInfo>
      <ServiceEndPointGroup>
        <DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
        <DeviceInfo>
          <NA>
            <DeviceName>960R2_EN_Alok_re</DeviceName>
            <DeviceID>2097154</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/5</InterfaceName>
          <ServiceEndpointConfiguration
xsi:type="VPLSHSLDP_EndPoint_Config_Parameter_Order_Type"

```

```

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
<NeighbourHub>480R3_EN_Alok_re</NeighbourHub>
<BackupNeighbourHub>480R3_SV_Alok_re</BackupNeighbourHub>
<Hub>false</Hub>
<UnitId>1</UnitId>
<VlanId>1</VlanId>
<UNIDescription>N/A</UNIDescription>
</ServiceEndpointConfiguration>
<OppType>MODIFY-ENDPOINT</OppType>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
<DeviceInfo>
<NA>
<DeviceName>480R4_EN_Alok_re</DeviceName>
<DeviceID>2097181</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge-0/0/6</InterfaceName>
<ServiceEndpointConfiguration
xsi:type="VPLSHSLDPendPointConfigParameterOrderType"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
<EnableP2PSpoke>true</EnableP2PSpoke>
<VCID>999</VCID>
<HubConnectivityName>VPLS_PMP_LDP</HubConnectivityName>
<NeighbourHub>480R3_EN_Alok_re</NeighbourHub>
<BackupNeighbourHub>480R3_SV_Alok_re</BackupNeighbourHub>
<Hub>false</Hub>
<UnitId>1</UnitId>
<VlanId>1</VlanId>
<UNIDescription>N/A</UNIDescription>
</ServiceEndpointConfiguration>
<OppType>MODIFY-ENDPOINT</OppType>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
<DeviceInfo>
<NA>
<DeviceName>960R1_EN_Alok_re</DeviceName>

```

```

<DeviceID>2097235</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge-0/0/6</InterfaceName>
<ServiceEndpointConfiguration
xsi:type="VPLSHSLDPEndPointConfigParameterOrderType"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
<Hub>true</Hub>
<UnitId>2</UnitId>
<VlanId>2</VlanId>
<UNIDescription>N/A</UNIDescription>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
<DeviceInfo>
<NA>
<DeviceName>960R1_EN_Alok_re</DeviceName>
<DeviceID>2097235</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge-0/0/6</InterfaceName>
<ServiceEndpointConfiguration
xsi:type="VPLSHSLDPEndPointConfigParameterOrderType"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
<Hub>true</Hub>
<UnitId>2</UnitId>
<VlanId>2</VlanId>
<UNIDescription>N/A</UNIDescription>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
<DeviceInfo>
<NA>
<DeviceName>480R3_EN_Alok_re</DeviceName>
<DeviceID>2097208</DeviceID>
</NA>

```

```

</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge-0/0/5</InterfaceName>
<ServiceEndpointConfiguration
xsi:type="VPLSHSLDP endPointConfigParameterOrderType"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
<Hub>true</Hub>
<UnitId>1</UnitId>
<VlanId>1</VlanId>
<UNIDescription>N/A</UNIDescription>
</ServiceEndpointConfiguration>
<OppType>DELETE</OppType>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
<DeviceInfo>
<OppType>ADD</OppType>
<NA>
<DeviceName>480R3_SV_Alok_re</DeviceName>
<DeviceID>2097285</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge-0/0/4</InterfaceName>
<ServiceEndpointConfiguration
xsi:type="VPLSHSLDP endPointConfigParameterOrderType"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
<Hub>true</Hub>
<AutoPickUnitId>true</AutoPickUnitId>
<AutoPickVlanId>true</AutoPickVlanId>
</ServiceEndpointConfiguration>
<OppType>ADD</OppType>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xsi:type="VPLSConfigParameterOrderType"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
<HubRouteTarget AutoPick="true"/>
<SpokeRouteTarget AutoPick="true"/>
<RouteDistinguisher>undefined</RouteDistinguisher>
<RouteTarget AutoPick="true"/>
<RouteTarget_AutoPick>false</RouteTarget_AutoPick>

```

```

</ServiceOrderParameter>
</ServiceOrder>
</ServiceResource>
<CustomAction xsi:type="ServiceCustomActionType"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
<Action>SaveAndValidate</Action>
</CustomAction>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="true"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<Status>
<Identity>
<Type>Service</Type>
<Value>1869230</Value>
</Identity>
<Identity>
<Type>ServiceOrder</Type>
<Value>1869584</Value>
</Identity>
<Job>
<ID>557255</ID>
<Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>The Service Modified Successfully and Validation is in Progress.
Please check the status using the JOB ID.</Message>
</Status>
</Data>

```

Get an E-LAN Service Definition to Create an LSP

This request is used to retrieve an E-LAN service definition for creating an LSP.

| | |
|-----|--|
| URL | /api/space/nsas/elan-vpls/service-management/services/paging/<orderID> |
|-----|--|

| | |
|--------------|--|
| HTTP Method | GET |
| Sample URL | https://192.0.2.10:8443/api/space/nsas/elan-vpls/service-management/services/paging/163840 |
| Accept | application/vnd.net.juniper.space.service-management.service+xml;version=2 |
| Content Type | application/vnd.net.juniper.space.service-management.service+xml |

Request

Not Applicable

Response

```

"<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service key="163840"
uri="/api/space/nsas/elan-vpls/service-management/services/163840"
href="/api/space/nsas/elan-vpls/service-management/services/163840">
      <Common>
        <Name>Elan_CreateLSP</Name>
        <Identity>163840</Identity>
        <State>DeploymentPending</State>
        <CreateDate>2018-06-20T23:28:22.000+05:30</CreateDate>
        <LastUpdatedDate>2018-06-20T23:28:22.000+05:30</LastUpdatedDate>
        <InstanceType>vpls</InstanceType>
        <Protocol>vpls</Protocol>
      </Common>
      <ServiceType>VPLS</ServiceType>
      <Signalling>BGP</Signalling>
      <LSPPattern
href="/api/space/nsas/lsp-pattern/service-management/service-patterns/1"
uri="/api/space/nsas/lsp-pattern/service-management/service-patterns/1" key="1">
        <PatternName>Default LSP Pattern</PatternName>
        <PatternID>1</PatternID>
      </LSPPattern>
      <LspServiceDefinition>
        <ServiceDefinitionID
uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/8"
href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/8" key="8">
          <ServiceDefinitionName>FullMesh LSP with Node Link
Protection</ServiceDefinitionName>

```

```

        </ServiceDefinitionID>
    </LspServiceDefinition>
    <LspId>131073</LspId>
    <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <ConfigurationAudit>Pending</ConfigurationAudit>
        <FaultStatus>None</FaultStatus>
        <SLAStatus>None</SLAStatus>
        <OverallStatus>N/A</OverallStatus>
    </AuditFlag>
    <endpointcount>2</endpointcount>
    <ServiceEndPointGroup>
        <DeviceInfo>
            <NA key="2" uri="/api/space/nsas/device-roles/pe-devices/2"
href="/api/space/nsas/device-roles/pe-devices/2">
                <DeviceName>SG2re</DeviceName>
                <DeviceID>2</DeviceID>
                <CMPDeviceID>2</CMPDeviceID>
            </NA>
        </DeviceInfo>
        <ServiceEndPoint>
            <InterfaceName>ge-0/0/6</InterfaceName>
            <InterfaceIndex>524</InterfaceIndex>
            <InterfaceStatus>up</InterfaceStatus>
            <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterServiceType">

                <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
                <EthernetOption>qinq</EthernetOption>
                <UNIDescription>N/A</UNIDescription>
                <VlanId>67</VlanId>
                <MTU>1522</MTU>
                <Bandwidth unit="Mbps">10</Bandwidth>
                <MACLearning>true</MACLearning>
                <InterfaceMACLimit>1024</InterfaceMACLimit>
                <MACStatistics>false</MACStatistics>
                <MACTableSize>5120</MACTableSize>
                <OuterTPID>None</OuterTPID>
                <UnitId>67</UnitId>
                <CFMIntfEnabled>false</CFMIntfEnabled>
            </ServiceEndpointConfiguration>
            <ServiceTemplates />
            <ServiceEndpointID>196611</ServiceEndpointID>

```

```

        </ServiceEndPoint>
    </ServiceEndPointGroup>
    <ServiceEndPointGroup>
        <DeviceInfo>
            <NA key="3" uri="/api/space/nsas/device-roles/pe-devices/3"
href="/api/space/nsas/device-roles/pe-devices/3">
                <DeviceName>SG4re</DeviceName>
                <DeviceID>3</DeviceID>
                <CMPDeviceID>1</CMPDeviceID>
            </NA>
        </DeviceInfo>
        <ServiceEndPoint>
            <InterfaceName>ge-0/0/7</InterfaceName>
            <InterfaceIndex>525</InterfaceIndex>
            <InterfaceStatus>up</InterfaceStatus>
            <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPPEndPointConfigParameterServiceType">

                <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
                <EthernetOption>qinq</EthernetOption>
                <UNIDescription>N/A</UNIDescription>
                <VlanId>67</VlanId>
                <MTU>1522</MTU>
                <Bandwidth unit="Mbps">10</Bandwidth>
                <MACLearning>true</MACLearning>
                <InterfaceMACLimit>1024</InterfaceMACLimit>
                <MACStatistics>false</MACStatistics>
                <MACTableSize>5120</MACTableSize>
                <OuterTPID>None</OuterTPID>
                <UnitId>67</UnitId>
                <CFMIntfEnabled>false</CFMIntfEnabled>
            </ServiceEndpointConfiguration>
            <ServiceTemplates />
            <ServiceEndpointID>196610</ServiceEndpointID>
        </ServiceEndPoint>
    </ServiceEndPointGroup>
    <ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterServiceType">
        <TrafficType>Transport all traffic</TrafficType>
        <RouteTarget>100:10</RouteTarget>
        <VLANNormalization>Not Normalized</VLANNormalization>
        <MTUFactor>10</MTUFactor>
        <RouteDistinguisher>100:14</RouteDistinguisher>
    </ServiceParameters>

```

```

        <AutoDiscovery>false</AutoDiscovery>
    </ServiceParameters>
    <Reference>
        <ServiceOrder
uri="" /api/space/nsas/elan-vpls/service-management/service-orders/196608""
href="" /api/space/nsas/elan-vpls/service-management/service-orders/196608""
key=""196608"" />
        <ServiceDefinition>
            <ServiceDefinitionID
uri="" /api/space/nsas/elan-vpls/service-management/service-definitions/1""
href="" /api/space/nsas/elan-vpls/service-management/service-definitions/1"" key=""1"">

                <ServiceDefinitionName>ELAN-BGP-QinQ-AllVLAN</ServiceDefinitionName>

            </ServiceDefinitionID>
        </ServiceDefinition>
        <Customer uri="" /api/space/nsas/customer-management/customers/1""
href="" /api/space/nsas/customer-management/customers/1"" key=""1"">
            <CustomerName>Juniper</CustomerName>
        </Customer>
    </Reference>
</Service>
</ServiceResource>
</Data> "
"
```

Get an E-LAN Service to Associate an LSP

This request is used to retrieve an E-LAN service for associating an LSP.

| | |
|--------------|--|
| URL | /api/space/nsas/elan-vpls/service-management/services/paging/<orderID> |
| HTTP Method | GET |
| Sample URL | https://192.0.2.10:8443/api/space/nsas/elan-vpls/service-management/services/paging/163840 |
| Accept | application/vnd.net.juniper.space.service-management.service+xml;version=2 |
| Content Type | application/vnd.net.juniper.space.service-management.service+xml |

Request

Not Applicable

Response

```

"<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service key="163841"
uri="/api/space/nsas/elan-vpls/service-management/services/163841"
href="/api/space/nsas/elan-vpls/service-management/services/163841">
      <Common>
        <Name>ELan-AssociateLSP</Name>
        <Identity>163841</Identity>
        <State>Deployed</State>
        <CreatedDate>2018-06-21T00:01:19.000+05:30</CreatedDate>
        <LastUpdatedDate>2018-06-21T00:01:19.000+05:30</LastUpdatedDate>
        <InstanceType>vpls</InstanceType>
        <Protocol>vpls</Protocol>
      </Common>
      <ServiceType>VPLS</ServiceType>
      <Signalling>BGP</Signalling>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <ConfigurationAudit>Pending</ConfigurationAudit>
        <FaultStatus>None</FaultStatus>
        <SLAStatus>None</SLAStatus>
        <OverallStatus>N/A</OverallStatus>
      </AuditFlag>
      <endpointcount>2</endpointcount>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="2" uri="/api/space/nsas/device-roles/pe-devices/2"
href="/api/space/nsas/device-roles/pe-devices/2">
            <DeviceName>SG2re</DeviceName>
            <DeviceID>2</DeviceID>
            <CMPDeviceID>2</CMPDeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/6</InterfaceName>
          <InterfaceIndex>524</InterfaceIndex>
          <InterfaceStatus>up</InterfaceStatus>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterServiceType">

          <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>

```

```

        <EthernetOption>qinq</EthernetOption>
        <UNIDescription>N/A</UNIDescription>
        <VlanId>45</VlanId>
        <MTU>1522</MTU>
        <Bandwidth unit="Mbps">10</Bandwidth>
        <MACLearning>true</MACLearning>
        <InterfaceMACLimit>1024</InterfaceMACLimit>
        <MACStatistics>false</MACStatistics>
        <MACTableSize>5120</MACTableSize>
        <OuterTPID>None</OuterTPID>
        <UnitId>45</UnitId>
        <CFMIntfEnabled>false</CFMIntfEnabled>
        <LSPRegex>$Name_to_$Egress</LSPRegex>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
    <ServiceEndpointID>196616</ServiceEndpointID>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA key="1" uri="/api/space/nsas/device-roles/pe-devices/1"
href="/api/space/nsas/device-roles/pe-devices/1">
            <DeviceName>SG3re</DeviceName>
            <DeviceID>1</DeviceID>
            <CMPDeviceID>3</CMPDeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/0/8</InterfaceName>
        <InterfaceIndex>526</InterfaceIndex>
        <InterfaceStatus>up</InterfaceStatus>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPointConfigParameterServiceType">

        <PhysicalEncapsulation>flexible-ethernet-services</PhysicalEncapsulation>
        <EthernetOption>qinq</EthernetOption>
        <UNIDescription>N/A</UNIDescription>
        <VlanId>45</VlanId>
        <MTU>1522</MTU>
        <Bandwidth unit="Mbps">10</Bandwidth>
        <MACLearning>true</MACLearning>
        <InterfaceMACLimit>1024</InterfaceMACLimit>
        <MACStatistics>false</MACStatistics>

```

```

        <MACTableSize>5120</MACTableSize>
        <OuterTPID>None</OuterTPID>
        <UnitId>45</UnitId>
        <CFMIntfEnabled>false</CFMIntfEnabled>
        <LSPRegex>$Name_to_$Egress</LSPRegex>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
    <ServiceEndpointID>196617</ServiceEndpointID>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSConfigParameterServiceType">
    <TrafficType>Transport all traffic</TrafficType>
    <RouteTarget>100:11</RouteTarget>
    <VLANNormalization>Not Normalized</VLANNormalization>
    <MTUFactor>10</MTUFactor>
    <RouteDistinguisher>100:15</RouteDistinguisher>
    <AutoDiscovery>false</AutoDiscovery>
</ServiceParameters>
<Reference>
    <ServiceOrder
uri=""/api/space/nsas/elan-vpls/service-management/service-orders/196609""
href=""/api/space/nsas/elan-vpls/service-management/service-orders/196609""
key=""196609"" />
    <ServiceDefinition>
        <ServiceDefinitionID
uri=""/api/space/nsas/elan-vpls/service-management/service-definitions/1""
href=""/api/space/nsas/elan-vpls/service-management/service-definitions/1"" key=""1"">

        <ServiceDefinitionName>ELAN-BGP-QinQ-AllVLAN</ServiceDefinitionName>

    </ServiceDefinitionID>
    </ServiceDefinition>
    <Customer uri=""/api/space/nsas/customer-management/customers/1""
href=""/api/space/nsas/customer-management/customers/1"" key=""1"">
        <CustomerName>Juniper</CustomerName>
    </Customer>
</Reference>
</Service>
</ServiceResource>
</Data>
"

```

IP Service Definitions Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director IP Service Definitions Management RESTful Web Services.

Get IP Service Definition Details with VRF Route Label By Definition ID

This request is used to retrieve the details of a particular IP service definition with VRF route label, based on the service definition ID.

| | |
|-------------|---|
| URI | api/space/nsas/l3vpn/service-management/service-definitions/<servicedefinition-Id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition+xml;version=2 |
| Produces | Collects the details of a specific IP service definition with VRF route label. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3VPNAPI</Name>

      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>embassy</DeviceName>
            <DeviceID>721075</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
```

```

    <InterfaceName>ge-1/0/9</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
      <RoutingProtocol>OSPF</RoutingProtocol>
      <EthernetOption>Vlan</EthernetOption>
      <UnitID>0</UnitID>
      <InterfaceIP>10.0.77.1</InterfaceIP>
      <OSPFAreaId>0.0.0.0</OSPFAreaId>
      <OSPFVersion>Ver 2</OSPFVersion>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="L3VPNConfigParameterOrderType">
    <RouteTarget>100:7</RouteTarget>
    <RouteDistinguisher>100:34</RouteDistinguisher>
    <VRFTabelLabel>Enable</VRFTabelLabel>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="720896"/>
    <ServiceDefinition>
      <ServiceDefinitionID key="1441826"/>
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Get All Published IP Service Definitions

This request is used to retrieve all the published IP service definitions.

| | |
|--------------|--|
| URI | <p>All service types:</p> <p>/api/space/nsas/service-management/ service-definitions/published</p> <p>IP:</p> <p>/api/space/nsas/l3vpn/service-management/ service-definitions/published</p> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-definitions+xml;version=2 |
| Content Type | application/vnd.net.juniper.space.service-management service-definitions+xml;charset=UTF-8 |
| Produces | Collects all the published IP service definitions. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource size="5">
      <ServiceDefinition key="2621440"
uri="/api/space/nsas/l3vpn/service-management/service-definitions/2621440"
href="/api/space/nsas/l3vpn/service-management/service-definitions/2621440">

        <Common>
          <Name>Test</Name>
          <Identity>2621440</Identity>
          <State>Published</State>
          <CreatedDate>2015-10-23T15:05:59.000+05:30</CreatedDate>
          <LastUpdatedDate>2015-10-23T15:05:59.000+05:30</LastUpdatedDate>
          <CreatedBy>super</CreatedBy>
        </Common>
```

```

    <ServiceType>L3VPN</ServiceType>
    <InterfaceType>L3 VPN (Full Mesh)</InterfaceType>
    <UseCount>0</UseCount>
    <UsedBy/>
    <IsStandard>false</IsStandard>
  </ServiceDefinition>
  <ServiceDefinition key="491520"
uri="/api/space/nsas/l3vpn/service-management/service-definitions/491520"
href="/api/space/nsas/l3vpn/service-management/service-definitions/491520">
    <Common>
      <Name>L3VPN-BGP-Static</Name>
      <Identity>491520</Identity>
      <State>Published</State>
      <Comments>L3VPN with BGP/Static as PE-CE routing protocol</Comments>
      <CreateDate>2015-10-15T17:45:13.000+05:30</CreateDate>
      <LastUpdatedDate>2015-10-15T17:45:13.000+05:30</LastUpdatedDate>
      <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>L3VPN</ServiceType>
    <InterfaceType>L3 VPN (Full Mesh)</InterfaceType>
    <UseCount>0</UseCount>
    <UsedBy/>
    <IsStandard>true</IsStandard>
  </ServiceDefinition>
  <ServiceDefinition key="491538"
uri="/api/space/nsas/l3vpn/service-management/service-definitions/491538"
href="/api/space/nsas/l3vpn/service-management/service-definitions/491538">
    <Common>
      <Name>L3VPN-OSPF-Static</Name>
      <Identity>491538</Identity>
      <State>Published</State>
      <Comments>L3VPN with OSPF/Static as PE-CE routing protocol</Comments>
      <CreateDate>2015-10-15T17:45:13.000+05:30</CreateDate>
      <LastUpdatedDate>2015-10-15T17:45:13.000+05:30</LastUpdatedDate>
      <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>L3VPN</ServiceType>
    <InterfaceType>L3 VPN (Full Mesh)</InterfaceType>
    <UseCount>3</UseCount>
    <UsedBy/>
    <IsStandard>true</IsStandard>
  </ServiceDefinition>

```

```

    <ServiceDefinition key="491556"
uri="/api/space/nsas/l3vpn/service-management/service-definitions/491556"
href="/api/space/nsas/l3vpn/service-management/service-definitions/491556">
    <Common>
        <Name>L3VPN-OSPF-Static(Hub-Spoke-1-Interface)</Name>
        <Identity>491556</Identity>
        <State>Published</State>
        <Comments>L3VPN Hub and Spoke 1 interface with OSPF/Static as PE-CE
routing protocol</Comments>
        <CreatedDate>2015-10-15T17:45:13.000+05:30</CreatedDate>
        <LastUpdatedDate>2015-10-15T17:45:13.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>L3VPN</ServiceType>
    <InterfaceType>L3 VPN (Hub-Spoke 1 Interface)</InterfaceType>
    <UseCount>0</UseCount>
    <UsedBy/>
    <IsStandard>true</IsStandard>
</ServiceDefinition>
    <ServiceDefinition key="491574"
uri="/api/space/nsas/l3vpn/service-management/service-definitions/491574"
href="/api/space/nsas/l3vpn/service-management/service-definitions/491574">
    <Common>
        <Name>L3VPN-BGP-Static(Hub-Spoke-1-Interface)</Name>
        <Identity>491574</Identity>
        <State>Published</State>
        <Comments>L3VPN Hub and Spoke 1 interface with BGP/Static as PE-CE
routing protocol</Comments>
        <CreatedDate>2015-10-15T17:45:13.000+05:30</CreatedDate>
        <LastUpdatedDate>2015-10-15T17:45:13.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>L3VPN</ServiceType>
    <InterfaceType>L3 VPN (Hub-Spoke 1 Interface)</InterfaceType>
    <UseCount>0</UseCount>
    <UsedBy/>
    <IsStandard>true</IsStandard>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Create an IP Service Definition with VRF Route Label

This request is used to create an IP service definition with VRF route label.

| | |
|--------------|--|
| URI | api/space/nsas/l3vpn/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-definition+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition-status+xml |
| Produces | Creates an IP service definition with VRF route label. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition
      href="/api/space/nsas/l3vpn/service-management/service-definitions/1441792"

      uri="/api/space/nsas/l3vpn/service-management/service-definitions/1441792"

      key="1441792">
      <Common>
        <Name>VRFTABLEAPI</Name>
        <Identity>1441792</Identity>
        <State>Published</State>
        <CreatedDate>2012-12-15T00:39:46.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-12-15T00:39:46.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>L3VPN</ServiceType>
      <InterfaceType>L3 VPN (Full Mesh)</InterfaceType>
      <ServiceElementConfigurationDefinition
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
```

```

xsi:type="L3VPNServiceEndpointGroupParameterDefType">
  <RouteTarget selection="Auto pick" editable="false" />
  <RouteDistinguisher selection="Auto pick"
    editable="false" />
  <VRFTabelLabel editable="true">true</VRFTabelLabel>
  <ExportDirectRoutes>true</ExportDirectRoutes>
  <RoutingProtocol>OSPF/Static Route</RoutingProtocol>
  <PEInterfaceIP selection="Auto pick" editable="false" />
  <IPPoolType editable="false">Global</IPPoolType>
  <AddressBlockSize editable="false">30</AddressBlockSize>
</ServiceElementConfigurationDefinition>
<ServiceEndPointConfigurationDefinition
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNEndPointParameterDefType">
  <VlanIdSelection selection="Auto pick" editable="false" />
  <VlanIdAuto min="0" max="0" />
  <VlanIdManual min="0" max="0" />
</ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceDefinition</Type>
      <Value>1441809</Value>
    </Identity>
    <Code>200</Code>
    <Message>ServiceDefinition Created Successfully</Message>
  </Status>
</Data>

```

Get All IP Service Definitions by Filter Criterion

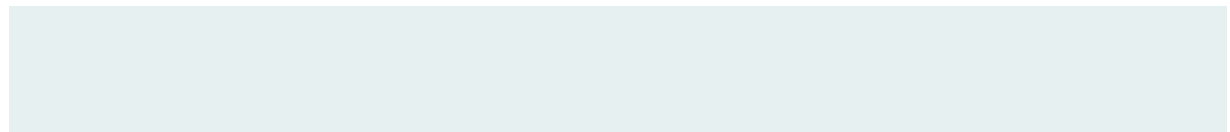
This request is used to retrieve all the configured IP service definitions that match the specified filter criterion. You can filter and retrieve service definitions based on the name, service type, and state.

| | |
|-------------|--|
| URI | /api/space/nsas/l3vpn/service-management/service-definitions?filteredby=State::Published /api/space/nsas/l3vpn/service-management/service-definitions?filteredby=Name::L3VPN /api/space/nsas/l3vpn/service-management/service-definitions?filteredby=ServiceType::L3 VPN (Full Mesh) |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-definitions+xml;version=2 |
| Produces | Collects all the configured Layer 3 service definitions that match the filter criteria |

NOTE: For E-Line, IP, and E-LAN service definitions, the FilteredBy option can be Name, ServiceType, and State. For filtering based on the service type, you must specify the exact service type, such as inclusion of spaces for example: L3 VPN (Full Mesh)

Output

Sample XML Output



Create and Publish IP Service Definition

This request is used to create and publish an IP service definition.

| | |
|-------------|--|
| URI | api/space/nsas/l3vpn/service-management/service-definitions/ |
| HTTP Method | POST |

| | |
|--------------|--|
| Content-Type | application/vnd.net.juniper.space.service-management. service-definition+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition-status+xml |
| Produces | Creates and publishes an IP service definition. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>L3VPNFULL003</Name>
        <Comments>L3VPNFULLMESH001</Comments>
      </Common>
      <ServiceType>L3VPN</ServiceType>
      <InterfaceType>L3 VPN (Full Mesh)</InterfaceType>
      <ServiceElementConfigurationDefinition
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="L3VPNServiceEndpointGroupParameterDefType">
        <RouteTarget selection="Auto pick" editable="false" />
        <RouteDistinguisher editable="false" selection="Auto pick" />
        <VRFTabelLabel>true</VRFTabelLabel>
        <ExportDirectRoutes>true</ExportDirectRoutes>
        <RoutingProtocol>OSPF/Static Route</RoutingProtocol>
        <PEInterfaceIP editable="false" selection="Auto pick" />
        <IPPoolType editable="false">Global</IPPoolType>
        <AddressBlockSize editable="false">29</AddressBlockSize>
      </ServiceElementConfigurationDefinition>
      <ServiceEndPointConfigurationDefinition
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="L3VPNEndPointParameterDefType">
        <VlanIdSelection selection="Auto pick" />
        <VlanIdAuto max="3000" min="33" />
      </ServiceEndPointConfigurationDefinition>
    </ServiceDefinition>
  </ServiceResource>
</Data>
```

```
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="ServiceDefinitionCustomActionType">
  <Action>Publish</Action>
</CustomAction>

</Data>
```

Get E-Line Service Definition Details with Pseudowire Stitching for L3VPN By Definition ID

This request is used to retrieve the details of a particular E-Line service definition stitched to an L3VPN, based on the service definition ID.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ptp/service-management/service-definitions/ <servicedefinition-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition+xml;version=2 |
| Produces | Collects the details of a specific E-Line service definition stitched to an L3VPN. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition

href="/api/space/nsas/eline-ptp/service-management/service-definitions/1376372"

uri="/api/space/nsas/eline-ptp/service-management/service-definitions/1376372"
```

```

key="1376372">
<Common>
  <Name>PwS3</Name>
  <Identity>1376372</Identity>
  <State>Unpublished</State>
  <CreatedDate>2013-03-13T15:29:19.000+05:30</CreatedDate>
  <LastUpdatedDate>2013-03-13T15:29:19.000+05:30</LastUpdatedDate>
  <CreatedBy>super</CreatedBy>
</Common>
<ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
<InterfaceType>Ethernet</InterfaceType>
<EnableL3Access>true</EnableL3Access>
<PWResiliency>>false</PWResiliency>
<ServiceElementConfigurationDefinition
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterDefType">
  <VCID default="1" selection="Auto pick" editable="false" min="1"
    max="4294967296" />
  <MTU default="1522" editable="false" min="1522" max="9192" />
</ServiceElementConfigurationDefinition>
<ServiceEndPointConfigurationDefinition
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType">
  <EthernetOption>dot1q</EthernetOption>
  <VlanIdSelection selection="Auto pick" editable="false" />
  <TrafficType>Transport single vlan</TrafficType>
  <VlanIdAuto default="0" min="0" max="0" />
  <VlanIdManual default="0" min="0" max="0" />
  <PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
  <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
  <PeerUnitSelection>Select manually</PeerUnitSelection>
  <MTU default="1522" editable="false" min="1522" max="9192" />
  <EnableRateLimiting>Not enabled</EnableRateLimiting>
  <DefaultBandwidth default="1" editable="false" min="1"
    max="100" unit="Mbps">N/A</DefaultBandwidth>
  <MinBandwidth min="64" max="100000" unit="Kbps">0
</MinBandwidth>
  <MaxBandwidth min="1" max="100000" unit="Mbps">0
</MaxBandwidth>
  <Increment default="64" min="64" max="100000" unit="Kbps">0
</Increment>

```

```

    </ServiceEndPointConfigurationDefinition>
  </ServiceDefinition>
</ServiceResource>
</Data>

```

Create an E-Line Service Definition with Pseudowire Stitching for L3VPN

This request is used to create an E-Line service definition with pseudowire stitching for an L3VPN.

| | |
|--------------|--|
| URI | api/space/nsas/eline-ptp/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-definition+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition-status+xml |
| Produces | Creates an E-Line service definition with pseudowire stitching for an L3VPN. |

Input

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>PwS6</Name>

      </Common>
      <ServiceType>Point-to-Point Pseudowire(LDP)</ServiceType>
    </ServiceDefinition>
  </ServiceResource>
</Data>

```

```

    <InterfaceType>Ethernet</InterfaceType>
    <EnableL3Access>true</EnableL3Access>
    <PWResiliency>>false</PWResiliency>
    <ServiceElementConfigurationDefinition
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="PTPServiceEndpointGroupParameterDefType">
      <VCID default="1" selection="Auto pick" editable="false" min="1"
        max="4294967296" />
      <MTU default="1522" editable="false" />
    </ServiceElementConfigurationDefinition>
    <ServiceEndPointConfigurationDefinition
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="PTPEndPointParameterDefType">
      <EthernetOption>dot1q</EthernetOption>
      <VlanIdSelection selection="Auto pick" editable="false" />
      <TrafficType>Transport single vlan</TrafficType>
      <PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
      <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
      <PeerUnitSelection>Select manually</PeerUnitSelection>
      <MTU default="1522" editable="false" />
    </ServiceEndPointConfigurationDefinition>
  </ServiceDefinition>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceDefinition</Type>
      <Value>1441809</Value>
    </Identity>
    <Code>200</Code>
    <Message>ServiceDefinition Created Successfully</Message>
  </Status>

```

```
</Data>
```

Create an IP Service Definition with Manual Route Distinguisher and Router Target

This request is used to create an IP service definition with manual route distinguisher and route target.

| | |
|--------------|--|
| URI | api/space/nsas/l3vpn/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-definition+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition-status+xml |
| Produces | Creates an IP service definition with manual route distinguisher and route target. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition
      href="/api/space/nsas/l3vpn/service-management/service-definitions/1441792"

      uri="/api/space/nsas/l3vpn/service-management/service-definitions/1441792"

      key="1441792">
    <Common>
      <Name>VRFTABLEAPI</Name>
      <Identity>1441792</Identity>
```

```

    <State>Published</State>
    <CreateDate>2012-12-15T00:39:46.000+05:30</CreateDate>
    <LastUpdatedDate>2012-12-15T00:39:46.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <ServiceType>L3VPN</ServiceType>
  <InterfaceType>L3 VPN (Full Mesh)</InterfaceType>
  <ServiceElementConfigurationDefinition
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="L3VPNServiceEndpointGroupParameterDefType">
    <RouteTarget selection="Select manually" editable="true" />
    <RouteDistinguisher selection="Select manually"
      editable="true" />
    <VRFTabelLabel editable="true">true</VRFTabelLabel>
    <ExportDirectRoutes>true</ExportDirectRoutes>
    <RoutingProtocol>OSPF/Static Route</RoutingProtocol>
    <PEInterfaceIP selection="Auto pick" editable="false" />
    <IPPoolType editable="false">Global</IPPoolType>
    <AddressBlockSize editable="false">30</AddressBlockSize>
  </ServiceElementConfigurationDefinition>
  <ServiceEndPointConfigurationDefinition
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="L3VPNEndPointParameterDefType">
    <VlanIdSelection selection="Auto pick" editable="false" />
    <VlanIdAuto min="0" max="0" />
    <VlanIdManual min="0" max="0" />
  </ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
  <Identity>

```

```
<Type>ServiceDefinition</Type>
<Value>1638400</Value>
</Identity>
<Code>200</Code>
<Message>ServiceDefinition Created Successfully</Message>
</Status>
</Data>
```

Get IP Service Definition Details with Manual Route Target By Definition ID

This request is used to retrieve the details of a particular IP service definition with manual route target, based on the service definition ID.

| | |
|-------------|---|
| URI | api/space/nsas/l3vpn/service-management/service-definitions/<servicedefinition-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition+xml;version=2 |
| Produces | Collects the details of a specific IP service definition with manual route target.. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
      <ServiceDefinition
href="/api/space/nsas/l3vpn/service-management/service-definitions/1605665"
uri="/api/space/nsas/l3vpn/service-management/service-definitions/1605665"
key="1605665">
        <Common>
          <Name>L3VPNDRRTManual</Name>
```

```
<Identity>1605665</Identity>
<State>Published</State>
<CreateDate>2012-12-16T19:45:55.000+05:30</CreateDate>
<LastUpdatedDate>2012-12-16T19:45:55.000+05:30</LastUpdatedDate>
<CreatedBy>super</CreatedBy>
</Common>
<ServiceType>L3VPN</ServiceType>
<InterfaceType>L3 VPN (Full Mesh)</InterfaceType>
<ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNServiceEndpointGroupParameterDefType">
  <RouteTarget selection="Select manually" editable="false"/>
  <RouteDistinguisher selection="Select manually" editable="false"/>
  <VRFTabelLabel editable="false">true</VRFTabelLabel>
  <ExportDirectRoutes>true</ExportDirectRoutes>
  <RoutingProtocol>OSPF/Static Route</RoutingProtocol>
  <PEInterfaceIP selection="Auto pick" editable="false"/>
  <IPPoolType editable="false">Global</IPPoolType>
  <AddressBlockSize editable="false">30</AddressBlockSize>
</ServiceElementConfigurationDefinition>
<ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNEndPointParameterDefType">
  <VlanIdSelection selection="Auto pick" editable="false"/>
  <VlanIdAuto min="0" max="0"/>
  <VlanIdManual min="0" max="0"/>
</ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>
```

Get IP Service Definition Details with MC-LAG By Definition ID

This request is used to retrieve the details of a particular IP service definition with MC-LAG, based on the service definition ID.

| | |
|-------------|--|
| URI | api/space/nsas/l3vpn/service-management/service-definitions/ <servicedefinition-id> |
| HTTP Method | GET |

| | |
|----------|---|
| Consumes | application/vnd.net.juniper.space.service-management.service-definition+xml;version=2 |
| Produces | Collects the details of a specific IP service definition with MC-LAG. |

Output

Sample XML Output

```
<Data>
  <ServiceResource>
    <ServiceDefinition
      href="/api/space/nsas/l3vpn/service-management/service-definitions/2326954"

      uri="/api/space/nsas/l3vpn/service-management/service-definitions/2326954"

      key="2326954">
      <Common>
        <Name>L3VPNFULL041</Name>
        <Identity>2326954</Identity>
        <State>Unpublished</State>
        <CreatedDate>2012-09-05T06:33:28.000Z</CreatedDate>
        <LastUpdatedDate>2012-09-05T06:33:28.000Z</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>L3VPN</ServiceType>
      <InterfaceType>L3 VPN (Hub-Spoke 1 Interface)</InterfaceType>
      <ServiceElementConfigurationDefinition
        xsi:type="L3VPNServiceEndpointGroupParameterDefType">
        <RouteTarget selection="Auto pick" editable="false" />
        <RouteDistinguisher selection="Select manually"
          editable="true" />
        <VRFTabelLabel>true</VRFTabelLabel>
        <ExportDirectRoutes>true</ExportDirectRoutes>
        <RoutingProtocol>OSPF/Static Route</RoutingProtocol>
        <PEInterfaceIP selection="Auto pick" editable="true" />
        </PEInterfaceIP>
        <IPPoolType editable="false">Global</IPPoolType>
        <AddressBlockSize editable="false">29</AddressBlockSize>
      </ServiceElementConfigurationDefinition>
```

```
<ServiceEndPointConfigurationDefinition
  xsi:type="L3VPNEndPointParameterDefType">
  <VlanIdSelection selection="Select manually"
    editable="true" />
  <VlanIdAuto max="0" min="0" />
  <VlanIdManual max="400" min="200" />
</ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>
```

Create an IP Service Definition

This request is used to create an IP service definition.

| | |
|--------------|--|
| URI | api/space/nsas/l3vpn/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-definition+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition-status+xml |
| Produces | Creates an IP service definition. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
```

```

    <Name>L3VPNFULL002</Name>
    <Comments>L3VPNFULLMESH001</Comments>
  </Common>
  <ServiceType>L3VPN</ServiceType>
  <InterfaceType>L3 VPN (Full Mesh)</InterfaceType>
  <ServiceElementConfigurationDefinition
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="L3VPNServiceEndpointGroupParameterDefType">
    <RouteTarget selection="Auto pick" editable="false" />
    <RouteDistinguisher editable="false" selection="Auto pick"/>
    <VRFTabelLabel>true</VRFTabelLabel>
    <ExportDirectRoutes>true</ExportDirectRoutes>
    <RoutingProtocol>OSPF/Static Route</RoutingProtocol>
    <PEInterfaceIP editable="false" selection="Auto pick"/>
    <IPPoolType editable="false">Global</IPPoolType>
    <AddressBlockSize editable="false">29</AddressBlockSize>
  </ServiceElementConfigurationDefinition>
  <ServiceEndPointConfigurationDefinition
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="L3VPNEndPointParameterDefType">
    <VlanIdSelection selection="Auto pick" />
    <VlanIdAuto max="3000" min="33" />
  </ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Output

Sample XML Output

Publish and Unpublish an IP Service Definition

This request is used to publish or unpublish an IP service definition.

URI

api/space/nsas/l3vpn/service-management/service-definitions/

| | |
|--------------|---|
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-definition+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition-status+xml Action types are Publish and Unpublish. |
| Produces | Publishes or unpublishes an IP service definition. |

Input for Unpublishing a Service Definition

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceDefinitionCustomActionType">
    <Action>UnPublish</Action>
  </CustomAction>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceDefinition</Type>
      <Value>7012365</Value>
    </Identity>
    <Code>200</Code>
    <Message>ServiceDefinition UnPublished Successfully</Message>
  </Status>
</Data>
```

Input for Publishing a Service Definition

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceDefinitionCustomActionType">
    <Action>Publish</Action>
  </CustomAction>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceDefinition</Type>
      <Value>7012365</Value>
    </Identity>
    <Code>200</Code>
    <Message>ServiceDefinition Published Successfully</Message>
  </Status>
</Data>
```

Delete an IP Service Definition

This request is used to delete a previously configured IP service definition.

| | |
|-------------|--|
| URI | api/space/nsas/l3vpn/service-management/service-definitions/ <servicedefinition-id> |
| HTTP Method | DELETE |

| | |
|----------|---|
| Consumes | application/vnd.net.juniper.space.service-management.service-definition+xml |
| Produces | Deletes an IP service definition. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceDefinition</Type>
      <Value>7012365</Value>
    </Identity>
    <Code>200</Code>
    <Message>ServiceDefinition Deleted Successfully</Message>
  </Status>
</Data>
```

Get IP Service Definition Details with MC-LAG By Definition ID

This request is used to retrieve the details of a particular IP service definition with MC-LAG, based on the service definition ID.

| | |
|-------------|---|
| URI | api/space/nsas/l3vpn/service-management/service-definitions/<servicedefinition-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition+xml;version=2 |
| Produces | Collects the details of a specific IP service definition with MC-LAG. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition key="884828"
uri="/api/space/nsas/l3vpn/service-management/service-definitions/884828"
href="/api/space/nsas/l3vpn/service-management/service-definitions/884828">
      <Common>
        <Name>L3VPN_SD_GUI_01</Name>
        <Identity>884828</Identity>
        <State>Published</State>
        <Comments>rtrete</Comments>
        <CreatedDate>2014-12-26T12:15:53.000+05:30</CreatedDate>
        <LastUpdatedDate>2014-12-26T12:15:53.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>L3VPN</ServiceType>
      <EnableMVPN>false</EnableMVPN>
      <InterfaceType>L3 VPN (Full Mesh)</InterfaceType>
      <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNServiceEndpointGroupParameterDefType">
        <RouteTarget editable="false" selection="Auto pick"/>
        <RouteDistinguisher editable="false" selection="Auto pick"/>
        <VRFTabelLabel editable="false">true</VRFTabelLabel>
        <ExportDirectRoutes>true</ExportDirectRoutes>
        <RoutingProtocol>OSPF/Static Route</RoutingProtocol>
        <PEInterfaceIP editable="true" selection="Select manually"/>
        <IPPoolType editable="false">None</IPPoolType>
        <AddressBlockSize editable="true">26</AddressBlockSize>
      </ServiceElementConfigurationDefinition>
      <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNEndPointParameterDefType">
        <VlanIdSelection editable="false" selection="Auto pick"/>
        <VlanIdAuto max="0" min="0"/>
        <VlanIdManual max="0" min="0"/>
      </ServiceEndPointConfigurationDefinition>
    </ServiceDefinition>
  </ServiceResource>
</Data>
```

Create an IP Service Definition with MC-LAG

This request is used to create an IP service definition with MC-LAG.

| | |
|--------------|--|
| URI | api/space/nsas/l3vpn/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-definition+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition-status+xml |
| Produces | Creates an IP service definition. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>L3VPN_MC_LAG_SD_API</Name>
        <Comments>rtrete</Comments>
      </Common>
      <ServiceType>L3VPN</ServiceType>
      <EnableMVPN>false</EnableMVPN>
      <InterfaceType>L3 VPN (Full Mesh)</InterfaceType>
      <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNServiceEndpointGroupParameterDefType">
        <RouteTarget editable="false" selection="Auto pick"/>
        <RouteDistinguisher editable="false" selection="Auto pick"/>
        <VRFTabelLabel editable="false">true</VRFTabelLabel>
        <ExportDirectRoutes>true</ExportDirectRoutes>
        <RoutingProtocol>OSPF/Static Route</RoutingProtocol>
        <PEInterfaceIP editable="true" selection="Select manually"/>
        <IPPoolType editable="false">None</IPPoolType>
        <AddressBlockSize editable="true">29</AddressBlockSize>
      </ServiceElementConfigurationDefinition>
    </ServiceDefinition>
  </ServiceResource>
</Data>
```

```

    </ServiceElementConfigurationDefinition>
    <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNEndPointParameterDefType">
    <VlanIdSelection editable="false" selection="Auto pick"/>
    <VlanIdAuto max="0" min="0"/>
    <VlanIdManual max="0" min="0"/>
    </ServiceEndPointConfigurationDefinition>
  </ServiceDefinition>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceDefinition</Type>
      <Value>3211444</Value>
    </Identity>
    <Code>200</Code>
    <Message>ServiceDefinition Created Successfully</Message>
  </Status>
</Data>

```

Get Full-Mesh IP Service Definition Details with Static Routing Protocol By Definition ID

This request is used to retrieve the details of a particular IP service definition with static routing protocol for full-mesh topology, based on the service definition ID.

| | |
|-------------|--|
| URI | api/space/nsas/l3vpn/service-management/service-definitions/ <servicedefinition-id> |
| HTTP Method | GET |

| | |
|----------|---|
| Consumes | application/vnd.net.juniper.space.service-management.service-definition+xml;version=2 |
| Produces | Collects the details of a specific IP service definition with static routing protocol for full-mesh topology. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition key="426056"
uri="/api/space/nsas/l3vpn/service-management/service-definitions/426056"
href="/api/space/nsas/l3vpn/service-management/service-definitions/426056">
      <Common>
        <Name>L3VPN_FM_STATIC_SD</Name>
        <Identity>426056</Identity>
        <State>Published</State>
        <Comments>werewrw</Comments>
        <CreatedDate>2015-01-21T11:49:56.000+05:30</CreatedDate>
        <LastUpdatedDate>2015-01-21T11:49:56.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>L3VPN</ServiceType>
      <EnableMVPN>false</EnableMVPN>
      <InterfaceType>L3 VPN (Full Mesh)</InterfaceType>
      <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNServiceEndpointGroupParameterDefType">
        <RouteTarget editable="false" selection="Auto pick"/>
        <RouteDistinguisher editable="false" selection="Auto pick"/>
        <VRFTabelLabel editable="false">true</VRFTabelLabel>
        <ExportDirectRoutes>true</ExportDirectRoutes>
        <RoutingProtocol>BGP/Static Route</RoutingProtocol>
        <PEInterfaceIP editable="false" selection="Select manually"/>
        <IPPoolType editable="false">None</IPPoolType>
        <AddressBlockSize editable="false">29</AddressBlockSize>
      </ServiceElementConfigurationDefinition>
      <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
```

```
xsi:type="L3VPNEndPointParameterDefType">
  <VlanIdSelection editable="false" selection="Auto pick"/>
  <VlanIdAuto max="0" min="0"/>
  <VlanIdManual max="0" min="0"/>
</ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>
```

Create a Full-Mesh IP Service Definition with Static Routing Protocol

This request is used to create an IP service definition with static routing protocol for full-mesh topology.

| | |
|--------------|---|
| URI | api/space/nsas/l3vpn/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-definition+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition-status+xml |
| Produces | Creates an IP service definition with static routing protocol for full-mesh topology. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>L3VPN_FM_STATIC_SD_API</Name>
        <Comments>werewrw</Comments>
```

```

</Common>
<ServiceType>L3VPN</ServiceType>
<EnableMVPN>false</EnableMVPN>
<InterfaceType>L3 VPN (Full Mesh)</InterfaceType>
<ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNServiceEndpointGroupParameterDefType">
  <RouteTarget editable="false" selection="Auto pick" />
  <RouteDistinguisher editable="false" selection="Auto pick" />
  <VRFTabelLabel editable="false">true</VRFTabelLabel>
  <ExportDirectRoutes>true</ExportDirectRoutes>
  <RoutingProtocol>BGP/Static Route</RoutingProtocol>
  <PEInterfaceIP editable="false" selection="Select manually" />
  <IPPoolType editable="false">None</IPPoolType>
  <AddressBlockSize editable="false">29</AddressBlockSize>
</ServiceElementConfigurationDefinition>
<ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNEndPointParameterDefType">
  <VlanIdSelection editable="false" selection="Auto pick" />
  <VlanIdAuto max="0" min="0" />
  <VlanIdManual max="0" min="0" />
</ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceDefinition</Type>
      <Value>589824</Value>
    </Identity>
    <Code>200</Code>
  </Status>

```

```
<Message>ServiceDefinition Created Successfully</Message>
</Status>
</Data>
```

Get a Hub-and-Spoke IP Service Definition Details with Static Routing Protocol By Definition ID

This request is used to retrieve the details of a particular IP service definition with static routing protocol for hub-and-spoke topology, based on the service definition ID.

| | |
|-------------|---|
| URI | api/space/nsas/l3vpn/service-management/service-definitions/<servicedefinition-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition+xml;version=2 |
| Produces | Collects the details of a specific IP service definition with static routing protocol for hub-and-spoke topology. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition key="721135"
uri="/api/space/nsas/l3vpn/service-management/service-definitions/721135"
href="/api/space/nsas/l3vpn/service-management/service-definitions/721135">
      <Common>
        <Name>L3VPN_HupSpoke_SD</Name>
        <Identity>721135</Identity>
        <State>Published</State>
        <Comments>dfsdfs</Comments>
        <CreatedDate>2015-01-21T17:08:50.000+05:30</CreatedDate>
```

```

<LastUpdatedDate>2015-01-21T17:08:50.000+05:30</LastUpdatedDate>
<CreatedBy>super</CreatedBy>
</Common>
<ServiceType>L3VPN</ServiceType>
<EnableMVPN>false</EnableMVPN>
<InterfaceType>L3 VPN (Hub-Spoke 1 Interface)</InterfaceType>
<ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNServiceEndpointGroupParameterDefType">
  <RouteTarget editable="false" selection="Auto pick"/>
  <RouteDistinguisher editable="false" selection="Auto pick"/>
  <VRFTabelLabel editable="false">true</VRFTabelLabel>
  <ExportDirectRoutes>true</ExportDirectRoutes>
  <RoutingProtocol>OSPF/Static Route</RoutingProtocol>
  <PEInterfaceIP editable="true" selection="Select manually"/>
  <IPPoolType editable="false">None</IPPoolType>
  <AddressBlockSize editable="true">29</AddressBlockSize>
</ServiceElementConfigurationDefinition>
<ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNEndPointParameterDefType">
  <VlanIdSelection editable="false" selection="Auto pick"/>
  <VlanIdAuto max="0" min="0"/>
  <VlanIdManual max="0" min="0"/>
</ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Create a Hub-and-Spoke IP Service Definition with Static Routing Protocol

This request is used to create an IP service definition with static routing protocol for hub-and-spoke topology.

| | |
|--------------|---|
| URI | api/space/nsas/l3vpn/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-definition+xml |

| | |
|----------|---|
| Consumes | application/vnd.net.juniper.space.service-management.service-definition-status+xml |
| Produces | Creates an IP service definition with static routing protocol for hub-and-spoke topology. |

Input

Sample XML Input

```

    <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
    <ServiceDefinition>
    <Common>
        <Name>L3VPN_HupSpoke_SD_API</Name>
        <Comments>dfsdfs</Comments>
    </Common>
    <ServiceType>L3VPN</ServiceType>
    <EnableMVPN>false</EnableMVPN>
    <InterfaceType>L3 VPN (Hub-Spoke 1 Interface)</InterfaceType>
    <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNServiceEndpointGroupParameterDefType">
    <RouteTarget editable="false" selection="Auto pick"/>
    <RouteDistinguisher editable="false" selection="Auto pick"/>
    <VRFTabelLabel editable="false">true</VRFTabelLabel>
    <ExportDirectRoutes>true</ExportDirectRoutes>
    <RoutingProtocol>OSPF/Static Route</RoutingProtocol>
    <PEInterfaceIP editable="true" selection="Select manually"/>
    <IPPoolType editable="false">None</IPPoolType>
    <AddressBlockSize editable="true">29</AddressBlockSize>
    </ServiceElementConfigurationDefinition>
    <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNEndPointParameterDefType">
    <VlanIdSelection editable="false" selection="Auto pick"/>
    <VlanIdAuto max="0" min="0"/>
    <VlanIdManual max="0" min="0"/>
    </ServiceEndPointConfigurationDefinition>
    </ServiceDefinition>
    </ServiceResource>
    </Data>

```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceDefinition</Type>
      <Value>983111</Value>
    </Identity>
    <Code>200</Code>
    <Message>ServiceDefinition Created Successfully</Message>
  </Status>
</Data>
```

Get an IP Service Definition with Default Service Template By Definition ID

This request is used to retrieve the details of a particular IP service definition with default service template, based on the service definition ID.

| | |
|-------------|---|
| URI | api/space/nsas/l3vpn/service-management/service-definitions/ <servicedefinition-Id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition+xml |
| Produces | Collects the details of a specific IP service definition with default service template. |

Output (Full-Mesh IP)

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition key="1081369"
uri="/api/space/nsas/l3vpn/service-management/service-definitions/1081369"
href="/api/space/nsas/l3vpn/service-management/service-definitions/1081369">

      <Common>
        <Name>testSD_l3vpnFM_API_1</Name>
        <Identity>1081369</Identity>
        <State>Unpublished</State>
        <CreatedDate>2015-02-23T17:21:55.000+05:30</CreatedDate>
        <LastUpdatedDate>2015-02-23T17:21:55.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>L3VPN</ServiceType>
      <EnableMVPN>false</EnableMVPN>
      <InterfaceType>L3 VPN (Full Mesh)</InterfaceType>
      <DecoupleStatus>true</DecoupleStatus>
      <ServiceTemplates>
        <ServiceTemplate
href="/api/space/nsas/l3vpn/service-management/service-templates/950272"
uri="/api/space/nsas/l3vpn/service-management/service-templates/950272"
key="/api/space/nsas/l3vpn/service-management/service-templates/950272">
          <ID>950272</ID>
          <Name>ST with _Descp_P2P</Name>
          <Default>true</Default>
        </ServiceTemplate>
        <ServiceTemplate
href="/api/space/nsas/l3vpn/service-management/service-templates/950296"
uri="/api/space/nsas/l3vpn/service-management/service-templates/950296"
key="/api/space/nsas/l3vpn/service-management/service-templates/950296">
          <ID>950296</ID>
          <Name>Flexi_Temp</Name>
          <Default>false</Default>
        </ServiceTemplate>
      </ServiceTemplates>
      <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNServiceEndpointGroupParameterDefType">
        <RouteTarget editable="false" selection="Auto pick"/>
        <RouteDistinguisher editable="false" selection="Auto pick"/>
        <VRFTabelLabel editable="false">true</VRFTabelLabel>

```

```

    <ExportDirectRoutes>true</ExportDirectRoutes>
    <RoutingProtocol>OSPF/Static Route</RoutingProtocol>
    <PEInterfaceIP editable="false" selection="Auto pick"/>
    <IPPoolType editable="false">Global</IPPoolType>
    <AddressBlockSize editable="false">30</AddressBlockSize>
  </ServiceElementConfigurationDefinition>
  <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNEndPointParameterDefType">
    <VlanIdSelection editable="false" selection="Auto pick"/>
    <VlanIdAuto max="0" min="0"/>
    <VlanIdManual max="0" min="0"/>
  </ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Output (Hub-and-Spoke IP)

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition key="1081394"
uri="/api/space/nsas/l3vpn/service-management/service-definitions/1081394"
href="/api/space/nsas/l3vpn/service-management/service-definitions/1081394">

      <Common>
        <Name>test_l3vpnHS_SD_API_001</Name>
        <Identity>1081394</Identity>
        <State>Unpublished</State>
        <CreatedDate>2015-02-23T17:28:15.000+05:30</CreatedDate>
        <LastUpdatedDate>2015-02-23T17:28:15.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>L3VPN</ServiceType>
      <EnableMVPN>false</EnableMVPN>
      <InterfaceType>L3 VPN (Hub-Spoke 1 Interface)</InterfaceType>
      <DecoupleStatus>true</DecoupleStatus>
    </ServiceDefinition>
  </ServiceResource>
</Data>

```

```

    <ServiceTemplates>
      <ServiceTemplate
href="/api/space/nsas/l3vpn/service-management/service-templates/950272"
uri="/api/space/nsas/l3vpn/service-management/service-templates/950272"
key="/api/space/nsas/l3vpn/service-management/service-templates/950272">
        <ID>950272</ID>
        <Name>ST with _Descp_P2P</Name>
        <Default>true</Default>
      </ServiceTemplate>
      <ServiceTemplate
href="/api/space/nsas/l3vpn/service-management/service-templates/950296"
uri="/api/space/nsas/l3vpn/service-management/service-templates/950296"
key="/api/space/nsas/l3vpn/service-management/service-templates/950296">
        <ID>950296</ID>
        <Name>Flexi_Temp</Name>
        <Default>false</Default>
      </ServiceTemplate>
    </ServiceTemplates>
    <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNServiceEndpointGroupParameterDefType">
      <RouteTarget editable="false" selection="Auto pick"/>
      <RouteDistinguisher editable="false" selection="Auto pick"/>
      <VRFTabelLabel editable="false">true</VRFTabelLabel>
      <ExportDirectRoutes>true</ExportDirectRoutes>
      <RoutingProtocol>OSPF/Static Route</RoutingProtocol>
      <PEInterfaceIP editable="false" selection="Auto pick"/>
      <IPPoolType editable="false">Global</IPPoolType>
      <AddressBlockSize editable="false">29</AddressBlockSize>
    </ServiceElementConfigurationDefinition>
    <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNEndPointParameterDefType">
      <VlanIdSelection editable="false" selection="Auto pick"/>
      <VlanIdAuto max="0" min="0"/>
      <VlanIdManual max="0" min="0"/>
    </ServiceEndPointConfigurationDefinition>
  </ServiceDefinition>
</ServiceResource>
</Data>

```

Create an IP Service Definition with Default Service Template

This request is used to create an IP service definition configured with default service template.

| | |
|--------------|---|
| URI | api/space/nsas/l3vpn/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-definition+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition-status+xml;version=2 |
| Produces | Creates an IP service definition configured with default service template. |

Input (Full-Mesh IP)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource>
  <ServiceDefinition>
    <Common>
      <Name>testSD_l3vpnFM_API</Name>
    </Common>
    <ServiceType>L3VPN</ServiceType>
    <EnableMVPN>>false</EnableMVPN>
    <InterfaceType>L3 VPN (Full Mesh)</InterfaceType>
    <DecoupleStatus>>true</DecoupleStatus>
    <ServiceTemplates>
      <ServiceTemplate>
        <ID>950272</ID>
        <Name>ST with _Descp_P2P</Name>
        <Default>>true</Default>
      </ServiceTemplate>
      <ServiceTemplate>
        <ID>950296</ID>
        <Name>Flexi_Temp</Name>
        <Default>>false</Default>
      </ServiceTemplate>
    </ServiceTemplates>
  </ServiceDefinition>
</ServiceResource>
</Data>
```

```

        </ServiceTemplate>
    </ServiceTemplates>
    <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNServiceEndpointGroupParameterDefType">
        <RouteTarget editable="false" selection="Auto pick"/>
        <RouteDistinguisher editable="false" selection="Auto pick"/>
        <VRFTabelLabel editable="false">true</VRFTabelLabel>
        <ExportDirectRoutes>true</ExportDirectRoutes>
        <RoutingProtocol>OSPF/Static Route</RoutingProtocol>
        <PEInterfaceIP editable="false" selection="Auto pick"/>
        <IPPoolType editable="false">Global</IPPoolType>
        <AddressBlockSize editable="false">30</AddressBlockSize>
    </ServiceElementConfigurationDefinition>
    <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNEndPointParameterDefType">
        <VlanIdSelection editable="false" selection="Auto pick"/>
    </ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Input (Hub-and-Spoke IP)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
        <ServiceDefinition key="2785355"
uri="/api/space/nsas/l3vpn/service-management/service-definitions/2785355"
href="/api/space/nsas/l3vpn/service-management/service-definitions/2785355">

            <Common>
                <Name>test_l3vpnHS_SD_API_001</Name>
            </Common>
            <ServiceType>L3VPN</ServiceType>
            <EnableMVPN>false</EnableMVPN>
            <InterfaceType>L3 VPN (Hub-Spoke 1 Interface)</InterfaceType>

```

```

    <DecoupleStatus>true</DecoupleStatus>
  <ServiceTemplates>
    <ServiceTemplate>
      <ID>950272</ID>
      <Name>ST with _Descp_P2P</Name>
      <Default>true</Default>
    </ServiceTemplate>
    <ServiceTemplate>
      <ID>950296</ID>
      <Name>Flexi_Temp</Name>
      <Default>false</Default>
    </ServiceTemplate>
  </ServiceTemplates>
  <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNServiceEndpointGroupParameterDefType">
    <RouteTarget editable="false" selection="Auto pick"/>
    <RouteDistinguisher editable="false" selection="Auto pick"/>
    <VRFTabelLabel editable="false">true</VRFTabelLabel>
    <ExportDirectRoutes>true</ExportDirectRoutes>
    <RoutingProtocol>OSPF/Static Route</RoutingProtocol>
    <PEInterfaceIP editable="false" selection="Auto pick"/>
    <IPPoolType editable="false">Global</IPPoolType>
    <AddressBlockSize editable="false">29</AddressBlockSize>
  </ServiceElementConfigurationDefinition>
  <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNEndPointParameterDefType">
    <VlanIdSelection editable="false" selection="Auto pick"/>
  </ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<Status>
  <Identity>
    <Type>ServiceDefinition</Type>
    <Value>458825</Value>
  </Identity>
  <Code>200</Code>
  <Message>ServiceDefinition Created Successfully</Message>
</Status>
</Data>
```

IP Service Orders Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director IP (L3VPN) Service Orders Management RESTful Web Services.

Get an IP Service Order with XPath Tags By Order ID

This request is used to retrieve the details of a particular hub-and-spoke IP service order with XPath attributes, based on the service order ID.

| | |
|-------------|---|
| URI | /api/space/nsas/l3vpn/service-management/service-orders/ <serviceOrderId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Collects the details of a specific IP service order configured with XPath tags. |

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder key="1081419"
uri="/api/space/nsas/l3vpn/service-management/service-orders/1081419"
href="/api/space/nsas/l3vpn/service-management/service-orders/1081419">
      <Common>
        <Name>testSO_l3vpnFM</Name>
        <Identity>1081419</Identity>
        <State>Validated</State>
        <CreatedDate>2015-02-23T17:41:49.000+05:30</CreatedDate>
        <LastUpdatedDate>2015-02-23T17:41:48.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>l3vpn</ServiceType>
      <EnableMVPN>>false</EnableMVPN>
      <EnableMCLAG>>false</EnableMCLAG>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="524388" uri="/api/space/nsas/device-roles/pe-devices/524388"
href="/api/space/nsas/device-roles/pe-devices/524388">
            <DeviceName>junos-spacel</DeviceName>
            <DeviceID>524388</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/1/3</InterfaceName>
          <InterfaceIndex>520</InterfaceIndex>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
            <RoutingProtocol>OSPF</RoutingProtocol>
            <EthernetOption>Dot1Q</EthernetOption>
            <UnitID>1</UnitID>
            <VlanId>1</VlanId>
            <InterfaceIP>10.0.77.1/30</InterfaceIP>
            <RouteDistinguisher>65501:5455876</RouteDistinguisher>
            <OSPFAreaId>0.0.0.0</OSPFAreaId>
            <OSPFVersion>Ver 2</OSPFVersion>
          </ServiceEndpointConfiguration>
        <ServiceTemplates>
          <ServiceTemplate

```

```

href="/api/space/nsas/eline-ntp/service-management/service-templates/6357015"
uri="/api/space/nsas/eline-ntp/service-management/service-templates/6357015"
key="6357015">
  <ID>6357015</ID>
  <ConfigParams>
    <Name>Description</Name>
    <DataType>String</DataType>
    <Description>Text description of interface</Description>
    <OperatorVisibility>Editable</OperatorVisibility>
    <Value>DemoDescription</Value>
    <SetofValues/>
    <Xpath>/configuration/cpl/interface/description</Xpath>
    <Decommission>>false</Decommission>
    <SvcSpecificValue>>false</SvcSpecificValue>
    <ConfigPageName>cpl</ConfigPageName>
    <Validation/>
  </ConfigParams>
</ServiceTemplate>
<ServiceTemplate
href="/api/space/nsas/elan-vpls/service-management/service-templates/66317"
uri="/api/space/nsas/elan-vpls/service-management/service-templates/66317"
key="66317">
  <ID>66317</ID>
  <ConfigParams>
    <Name>Name</Name>
    <Value>testname123</Value>
    <Decommission>>false</Decommission>
    <SvcSpecificValue>>false</SvcSpecificValue>
    <ConfigPageName>cpl</ConfigPageName>
  </ConfigParams>
</ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
<EnableLoopback>>false</EnableLoopback>
<EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="524352" uri="/api/space/nsas/device-roles/pe-devices/524352"
href="/api/space/nsas/device-roles/pe-devices/524352">
    <DeviceName>junos-space2</DeviceName>
    <DeviceID>524352</DeviceID>

```

```

        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/1/5</InterfaceName>
        <InterfaceIndex>522</InterfaceIndex>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
            <RoutingProtocol>OSPF</RoutingProtocol>
            <EthernetOption>Dot1Q</EthernetOption>
            <UnitID>2</UnitID>
            <VlanId>2</VlanId>
            <InterfaceIP>10.0.77.5/30</InterfaceIP>
            <RouteDistinguisher>65501:5455877</RouteDistinguisher>
            <OSPFAreaId>0.0.0.0</OSPFAreaId>
            <OSPFVersion>Ver 2</OSPFVersion>
        </ServiceEndpointConfiguration>
    <ServiceTemplates>
        <ServiceTemplate
href="/api/space/nsas/eline-ptp/service-management/service-templates/6357015"
uri="/api/space/nsas/eline-ptp/service-management/service-templates/6357015"
key="6357015">
            <ID>6357015</ID>
            <ConfigParams>
                <Name>Description</Name>
                <DataType>String</DataType>
                <Description>Text description of interface</Description>
                <OperatorVisibility>Editable</OperatorVisibility>
                <Value>DemoDescription</Value>
                <SetofValues/>
                <Xpath>/configuration/cpl/interface/description</Xpath>
                <Decommission>false</Decommission>
                <SvcSpecificValue>false</SvcSpecificValue>
                <ConfigPageName>cpl</ConfigPageName>
                <Validation/>
            </ConfigParams>
        </ServiceTemplate>
        <ServiceTemplate
href="/api/space/nsas/elan-vpls/service-management/service-templates/66317"
uri="/api/space/nsas/elan-vpls/service-management/service-templates/66317"
key="66317">
            <ID>66317</ID>

```

```
<ConfigParams>
  <Name>Name</Name>
  <Value>testname123</Value>
  <Decommission>>false</Decommission>
  <SvcSpecificValue>>false</SvcSpecificValue>
  <ConfigPageName>cpl</ConfigPageName>
</ConfigParams>
</ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
<EnableLoopback>>false</EnableLoopback>
<EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNConfigParameterOrderType">
  <RouteTarget>65501:1</RouteTarget>
  <VRFTabelLabel>>true</VRFTabelLabel>
</ServiceOrderParameter>
<Reference>
  <Customer uri="/api/space/nsas/customer-management/customers/524288"
href="/api/space/nsas/customer-management/customers/524288" key="524288"/>
  <ServiceDefinition>
    <ServiceDefinitionID
uri="/api/space/nsas/l3vpn/service-management/service-definitions/1081369"
href="/api/space/nsas/l3vpn/service-management/service-definitions/1081369"
key="1081369"/>
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Get an IP Service Order with MC-LAG By Order ID

This request is used to retrieve the details of a particular hub-and-spoke IP service order with MC-LAG, based on the service order ID.

| | |
|-----|--|
| URI | /api/space/nsas/l3vpn/service-management/service-orders/ <serviceOrderId> |
|-----|--|

| | |
|-------------|---|
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Collects the details of a specific IP service order configured with MC-LAG. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder key="3211503"
uri="/api/space/nsas/l3vpn/service-management/service-orders/3211503"
href="/api/space/nsas/l3vpn/service-management/service-orders/3211503">
      <Common>
        <Name>L3VPN_SO_API_Test_02</Name>
        <Identity>3211503</Identity>
        <State>Validated</State>
        <Comments>sreret</Comments>
        <CreatedDate>2015-01-02T17:27:04.000+05:30</CreatedDate>
        <LastUpdatedDate>2015-01-02T17:27:04.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>l3vpn</ServiceType>
      <EnableMVPN>false</EnableMVPN>
      <EnableMCLAG>true</EnableMCLAG>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="557127" uri="/api/space/nsas/device-roles/pe-devices/557127"
href="/api/space/nsas/device-roles/pe-devices/557127">
            <DeviceName>junos-mx240-space</DeviceName>
            <DeviceID>557127</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>irb</InterfaceName>
          <InterfaceIndex>507</InterfaceIndex>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
```

```

xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
    <RoutingProtocol>OSPF</RoutingProtocol>
    <EthernetOption>Dot1Q</EthernetOption>
    <UnitID>13</UnitID>
    <VlanId>7</VlanId>
    <InterfaceIP>10.2.4.8</InterfaceIP>
    <RouteDistinguisher>69:2147467291</RouteDistinguisher>
    <OSPFAreaId>0.0.0.0</OSPFAreaId>
    <OSPFVersion>Ver 2</OSPFVersion>
    <MCLAGinterface>ae2</MCLAGinterface>
    <MCLAGDescription>erwer</MCLAGDescription>
    <VRRPSettings>
        <VRRPGroupname>50</VRRPGroupname>
        <VRRPIPPool>10.3.3.1/29</VRRPIPPool>
    </VRRPSettings>
</ServiceEndpointConfiguration>
<ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA key="557292" uri="/api/space/nsas/device-roles/pe-devices/557292"
href="/api/space/nsas/device-roles/pe-devices/557292">
            <DeviceName>junos-mx80-1-space</DeviceName>
            <DeviceID>557292</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>irb</InterfaceName>
        <InterfaceIndex>507</InterfaceIndex>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
            <UNIDescription>gfhgth</UNIDescription>
            <RoutingProtocol>OSPF</RoutingProtocol>
            <EthernetOption>Dot1Q</EthernetOption>
            <UnitID>7</UnitID>
            <VlanId>7</VlanId>
            <InterfaceIP>10.7.2.8</InterfaceIP>
            <RouteDistinguisher>69:2147467293</RouteDistinguisher>
            <OSPFAreaId>0.0.0.0</OSPFAreaId>
            <OSPFVersion>Ver 2</OSPFVersion>

```

```
<MCLAGinterface>em0</MCLAGinterface>
<MCLAGDescription>trtyrt</MCLAGDescription>
<VRRPSettings>
  <VRRPGroupname>40</VRRPGroupname>
  <VRRPIPPaddressPool>10.1.1.1/29</VRRPIPPaddressPool>
</VRRPSettings>
</ServiceEndpointConfiguration>
<ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNConfigParameterOrderType">
  <RouteTarget>69:1454096398</RouteTarget>
  <VRFTabelLabel>true</VRFTabelLabel>
</ServiceOrderParameter>
<Reference>
  <Customer uri="/api/space/nsas/customer-management/customers/558401"
href="/api/space/nsas/customer-management/customers/558401" key="558401"/>
  <ServiceDefinition>
    <ServiceDefinitionID
uri="/api/space/nsas/l3vpn/service-management/service-definitions/884828"
href="/api/space/nsas/l3vpn/service-management/service-definitions/884828"
key="884828"/>
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Create an IP Service Order with MC-LAG

This request is used to create a hub-and-spoke IP service order with MC-LAG.

| | |
|--------------|--|
| URI | /api/space/nsas/l3vpn/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml |

| | |
|----------|---|
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml |
| Produces | Creates an IP service order with MC-LAG. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3VPN_SO_API_Test_02</Name>
        <Comments>sreret</Comments>
      </Common>
      <ServiceType>l3vpn</ServiceType>
      <EnableMVPN>>false</EnableMVPN>
      <EnableMCLAG>>true</EnableMCLAG>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="557127" uri="/api/space/nsas/device-roles/pe-devices/557127"
href="/api/space/nsas/device-roles/pe-devices/557127">
            <DeviceName>junos-mx240-space</DeviceName>
            <DeviceID>557127</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>irb</InterfaceName>
          <InterfaceIndex>507</InterfaceIndex>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOspfEndPointConfigParameterOrderType">
            <EthernetOption>Dot1Q</EthernetOption>
            <InterfaceIP>10.2.4.8</InterfaceIP>
            <RouteDistinguisher>69:2147467266</RouteDistinguisher>
            <OSPFAreaId>0.0.0.0</OSPFAreaId>
            <OSPFVersion>Ver 2</OSPFVersion>
            <MCLAGinterface>ae2</MCLAGinterface>
            <MCLAGDescription>erwer</MCLAGDescription>
            <ActiveLink>>true</ActiveLink>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>
</Data>
```

```

    <VRRPSettings>
      <AutopickVRRPIP>false</AutopickVRRPIP>
      <VRRPGroupname>50</VRRPGroupname>
      <VRRPIPAddress>10.3.3.1/29</VRRPIPAddress>
    </VRRPSettings>
  </ServiceEndpointConfiguration>
  <ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="557292" uri="/api/space/nsas/device-roles/pe-devices/557292"
href="/api/space/nsas/device-roles/pe-devices/557292">
      <DeviceName>junos-mx80-1-space</DeviceName>
      <DeviceID>557292</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>irb</InterfaceName>
    <InterfaceIndex>507</InterfaceIndex>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
      <UNIDescription>gfhgth</UNIDescription>
      <EthernetOption>Dot1Q</EthernetOption>
      <InterfaceIP>10.7.2.8</InterfaceIP>
      <RouteDistinguisher>69:2147467273</RouteDistinguisher>
      <OSPFAreaId>0.0.0.0</OSPFAreaId>
      <OSPFVersion>Ver 2</OSPFVersion>
      <MCLAGinterface>em0</MCLAGinterface>
      <MCLAGDescription>trtyrt</MCLAGDescription>
      <ActiveLink>true</ActiveLink>
      <VRRPSettings>
        <AutopickVRRPIP>false</AutopickVRRPIP>
        <VRRPGroupname>40</VRRPGroupname>
        <VRRPIPAddress>10.1.1.1/29</VRRPIPAddress>
      </VRRPSettings>
    </ServiceEndpointConfiguration>
    <ServiceTemplates/>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

```

```

xsi:type="L3VPNConfigParameterOrderType">
  </ServiceOrderParameter>
  <Reference>
    <Customer key="558401"/>
    <ServiceDefinition>
      <ServiceDefinitionID key="884828"/>
    </ServiceDefinition>
    <Service key="884866"/>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>3211503</Value>
    </Identity>
    <Job>
      <ID>819329</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
  </Status>
</Data>

```

Modify an IP Service Order with MC-LAG

This request is used to modify a saved IP service order.

| | |
|--------------|---|
| URI | /api/space/nsas/l3vpn/service-management/service-orders/ <serviceOrderId> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management. modify-service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml For the various options in creating ServiceOrder the options must be specified in the Action Element inside OperationSpecificData. The following values can be entered: <ul style="list-style-type: none"> • Save (Create and only Save a SO) • SaveAndValidate (Create, Save, and Validate a SO) Default value when no Custom action is specified. • SaveAndDeployNow (Create, Save, and Deploy a SO) • SaveAndDeployLater (Create, Save, and Deploy Later a SO) |
| Produces | Modifies an IP service order. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3VPN_SO_API_ModifySO_01</Name>
        <Comments>sreret</Comments>
      </Common>
      <ServiceType>l3vpn</ServiceType>
      <EnableMVPN>>false</EnableMVPN>
    </ServiceOrder>
  </ServiceResource>
</Data>
```

```

    <EnableMCLAG>true</EnableMCLAG>
    <Action>Provisioning</Action>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <NA key="557127" uri="/api/space/nsas/device-roles/pe-devices/557127"
href="/api/space/nsas/device-roles/pe-devices/557127">
          <DeviceName>junos-mx240-space</DeviceName>
          <DeviceID>557127</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>irb</InterfaceName>
        <InterfaceIndex>507</InterfaceIndex>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
          <EthernetOption>Dot1Q</EthernetOption>
          <InterfaceIP>10.2.4.8</InterfaceIP>
          <RouteDistinguisher>69:2147467266</RouteDistinguisher>
          <OSPFAreaId>0.0.0.0</OSPFAreaId>
          <OSPFVersion>Ver 2</OSPFVersion>
          <MCLAGinterface>ae2</MCLAGinterface>
          <MCLAGDescription>erwer</MCLAGDescription>
          <ActiveLink>true</ActiveLink>
          <VRRPSettings>
            <AutopickVRRPIP>false</AutopickVRRPIP>
            <VRRPGroupname>40</VRRPGroupname>
            <VRRPIPaddress>10.3.3.1/29</VRRPIPaddress>
          </VRRPSettings>
        </ServiceEndpointConfiguration>
      </ServiceEndPoint>
    </ServiceEndPointGroup>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <NA key="557292" uri="/api/space/nsas/device-roles/pe-devices/557292"
href="/api/space/nsas/device-roles/pe-devices/557292">
          <DeviceName>junos-mx80-1-space</DeviceName>
          <DeviceID>557292</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>irb</InterfaceName>

```

```

        <InterfaceIndex>507</InterfaceIndex>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
            <UNIDescription>gfhgth</UNIDescription>
            <EthernetOption>Dot1Q</EthernetOption>
            <InterfaceIP>10.7.2.8</InterfaceIP>
            <RouteDistinguisher>69:2147467273</RouteDistinguisher>
            <OSPFAreaId>0.0.0.0</OSPFAreaId>
            <OSPFVersion>Ver 2</OSPFVersion>
            <MCLAGinterface>em0</MCLAGinterface>
            <MCLAGDescription>trtyrt</MCLAGDescription>
            <ActiveLink>true</ActiveLink>
            <VRRPSettings>
                <AutopickVRRPIP>false</AutopickVRRPIP>
                <VRRPGroupname>40</VRRPGroupname>
                <VRRPIPAaddress>10.1.1.1/29</VRRPIPAaddress>
            </VRRPSettings>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNConfigParameterOrderType">
    </ServiceOrderParameter>
    <Reference>
        <Customer key="558401"/>
        <ServiceDefinition>
            <ServiceDefinitionID key="884828"/>
        </ServiceDefinition>
        <Service key="884866"/>
    </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>3440655</Value>
    </Identity>
    <Job>
      <ID>884739</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Order Modified Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
  </Status>
</Data>
```

Get a Full-Mesh IP Service Order with Static Routing Protocol by Order ID

This request is used to retrieve the details of a particular hub-and-spoke IP service order with static routing protocol, based on the service order ID.

| | |
|-------------|--|
| URI | /api/space/nsas/l3vpn/service-management/service-orders/<serviceOrderId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Collects the details of a specific IP service order configured with static routing protocol. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
```

```

<ServiceResource>
  <ServiceOrder key="426079"
    uri="/api/space/nsas/l3vpn/service-management/service-orders/426079"
    href="/api/space/nsas/l3vpn/service-management/service-orders/426079">
    <Common>
      <Name>L3VPN_FM_STATIC_SO</Name>
      <Identity>426079</Identity>
      <State>Completed</State>
      <Comments>ertert</Comments>
      <CreatedDate>2015-01-21T11:52:52.000+05:30</CreatedDate>
      <LastUpdatedDate>2015-01-21T11:53:29.000+05:30</LastUpdatedDate>
      <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>l3vpn</ServiceType>
    <EnableMVPN>false</EnableMVPN>
    <EnableMCLAG>false</EnableMCLAG>
    <Action>Provisioning</Action>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <NA key="557168" uri="/api/space/nsas/device-roles/pe-devices/557168"
          href="/api/space/nsas/device-roles/pe-devices/557168">
          <DeviceName>junos-space1</DeviceName>
          <DeviceID>557168</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-0/1/5</InterfaceName>
        <InterfaceIndex>522</InterfaceIndex>
        <ServiceEndpointConfiguration
          xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
          xsi:type="L3VPNFMSTATICEndPointConfigParameterOrderType">
          <UNIDescription>retretre</UNIDescription>
          <RoutingProtocol>Static</RoutingProtocol>
          <EthernetOption>Dot1Q</EthernetOption>
          <UnitID>3</UnitID>
          <VlanId>3</VlanId>
          <InterfaceIP>10.2.3.6</InterfaceIP>
          <RouteDistinguisher>69:2147467264</RouteDistinguisher>
          <StaticRoutingProtocolDetails>
            <DestinationPrefix>10.2.4.1/32</DestinationPrefix>
            <NextHop>10.2.4.5</NextHop>
          </StaticRoutingProtocolDetails>

```

```

    </ServiceEndpointConfiguration>
    <ServiceTemplates />
  </ServiceEndPoint>
  <EnableLoopback>>false</EnableLoopback>
  <EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="557143" uri="/api/space/nsas/device-roles/pe-devices/557143"
      href="/api/space/nsas/device-roles/pe-devices/557143">
      <DeviceName>junos-space2</DeviceName>
      <DeviceID>557143</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/5</InterfaceName>
    <InterfaceIndex>522</InterfaceIndex>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="L3VPNFMSTATICEndPointConfigParameterOrderType">
      <UNIDescription>rtyrt</UNIDescription>
      <RoutingProtocol>Static</RoutingProtocol>
      <EthernetOption>Dot1Q</EthernetOption>
      <UnitID>2</UnitID>
      <VlanId>2</VlanId>
      <InterfaceIP>10.2.3.5</InterfaceIP>
      <RouteDistinguisher>69:2147467268</RouteDistinguisher>
      <StaticRoutingProtocolDetails>
        <DestinationPrefix>10.2.3.6/32</DestinationPrefix>
        <NextHop>10.2.3.6</NextHop>
      </StaticRoutingProtocolDetails>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
  </ServiceEndPoint>
  <EnableLoopback>>false</EnableLoopback>
  <EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="557290" uri="/api/space/nsas/device-roles/pe-devices/557290"
      href="/api/space/nsas/device-roles/pe-devices/557290">
      <DeviceName>junos-space3</DeviceName>

```

```

        <DeviceID>557290</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge-0/1/6</InterfaceName>
    <InterfaceIndex>523</InterfaceIndex>
    <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMSTATICEndPointConfigParameterOrderType">
        <UNIDescription>rtyrty</UNIDescription>
        <RoutingProtocol>Static</RoutingProtocol>
        <EthernetOption>Dot1Q</EthernetOption>
        <UnitID>2</UnitID>
        <VlanId>2</VlanId>
        <InterfaceIP>10.2.3.4</InterfaceIP>
        <RouteDistinguisher>65501:5455873</RouteDistinguisher>
        <StaticRoutingProtocolDetails>
            <DestinationPrefix>10.2.3.9/32</DestinationPrefix>
            <NextHop>10.2.8.4</NextHop>
        </StaticRoutingProtocolDetails>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
</ServiceEndPoint>
<EnableLoopback>>false</EnableLoopback>
<EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

    xsi:type="L3VPNConfigParameterOrderType">
        <RouteTarget>69:1454096384</RouteTarget>
    </ServiceOrderParameter>
    <Reference>
        <Customer uri="/api/space/nsas/customer-management/customers/557305"
            href="/api/space/nsas/customer-management/customers/557305" key="557305"
        />
    </ServiceDefinition>
        <ServiceDefinitionID
            uri="/api/space/nsas/l3vpn/service-management/service-definitions/426056"

href="/api/space/nsas/l3vpn/service-management/service-definitions/426056"
            key="426056" />

```

```
</ServiceDefinition>
<Service uri="/api/space/nsas/l3vpn/service-management/services/426095"
  href="/api/space/nsas/l3vpn/service-management/services/426095"
  key="426095" />
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Create a Full-Mesh IP Service Order with Static Routing Protocol

This request is used to create a hub-and-spoke IP service order with static routing protocol.

| | |
|--------------|---|
| URI | /api/space/nsas/l3vpn/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml |
| Produces | Creates an IP service order with static routing protocol. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource>
  <ServiceOrder>
    <Common>
      <Name>L3VPN_FM_STATIC_SO_API_04</Name>
      <Comments>ertert</Comments>
```

```

</Common>
<ServiceType>l3vpn</ServiceType>
<EnableMVPN>>false</EnableMVPN>
<EnableMCLAG>>false</EnableMCLAG>
<Action>Provisioning</Action>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="557168" uri="/api/space/nsas/device-roles/pe-devices/557168"
      href="/api/space/nsas/device-roles/pe-devices/557168">
      <DeviceName>junos-space1</DeviceName>
      <DeviceID>557168</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/5</InterfaceName>
    <InterfaceIndex>522</InterfaceIndex>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="L3VPNFMSTATICEndPointConfigParameterOrderType">
      <UNIDescription>retretre</UNIDescription>
      <RoutingProtocol>Static</RoutingProtocol>
      <EthernetOption>Dot1Q</EthernetOption>
      <InterfaceIP>10.2.3.6</InterfaceIP>
      <RouteDistinguisher>69:2147467264</RouteDistinguisher>
      <StaticRoutingProtocolDetails>

<DestinationPrefix>10.2.3.6/32</DestinationPrefix>
      <NextHop>10.5.7.6</NextHop>
    </StaticRoutingProtocolDetails>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
  </ServiceEndPoint>
  <EnableLoopback>>false</EnableLoopback>
  <EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="557143" uri="/api/space/nsas/device-roles/pe-devices/557143"
      href="/api/space/nsas/device-roles/pe-devices/557143">
      <DeviceName>junos-space2</DeviceName>
      <DeviceID>557143</DeviceID>

```

```

    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/5</InterfaceName>
    <InterfaceIndex>522</InterfaceIndex>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="L3VPNFMSTATICEndPointConfigParameterOrderType">
      <UNIDescription>rtyrt</UNIDescription>
      <RoutingProtocol>Static</RoutingProtocol>
      <EthernetOption>Dot1Q</EthernetOption>
      <InterfaceIP>10.2.3.5</InterfaceIP>
      <RouteDistinguisher>69:2147467268</RouteDistinguisher>
      <StaticRoutingProtocolDetails>
        <DestinationPrefix>10.2.3.6/32</DestinationPrefix>
        <NextHop>10.2.3.6</NextHop>
      </StaticRoutingProtocolDetails>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
  <EnableLoopback>>false</EnableLoopback>
  <EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="557290" uri="/api/space/nsas/device-roles/pe-devices/557290"
      href="/api/space/nsas/device-roles/pe-devices/557290">
    <DeviceName>junos-space3</DeviceName>
    <DeviceID>557290</DeviceID>
  </NA>
</DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/6</InterfaceName>
    <InterfaceIndex>523</InterfaceIndex>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="L3VPNFMSTATICEndPointConfigParameterOrderType">
      <UNIDescription>rtyrty</UNIDescription>
      <RoutingProtocol>Static</RoutingProtocol>
      <EthernetOption>Dot1Q</EthernetOption>
      <InterfaceIP>10.2.3.4</InterfaceIP>
      <RouteDistinguisher>65501:5455873</RouteDistinguisher>
      <StaticRoutingProtocolDetails>

```

```

        <DestinationPrefix>10.2.3.9/32</DestinationPrefix>
        <NextHop>10.2.8.4</NextHop>
    </StaticRoutingProtocolDetails>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
<EnableLoopback>>false</EnableLoopback>
<EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNConfigParameterOrderType">
    </ServiceOrderParameter>
    <Reference>
        <Customer key="557305" />
        <ServiceDefinition>
            <ServiceDefinitionID key="426056" />
        </ServiceDefinition>
        <Service key="426095" />
    </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
        <Identity>
            <Type>ServiceOrder</Type>
            <Value>720981</Value>
        </Identity>
        <Job>
            <ID>294918</ID>
            <Status>INPROGRESS</Status>
        </Job>
        <Code>200</Code>
    </Status>
</Data>

```

```
<Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Modify a Full-Mesh IP Service Order with Static Routing Routing Protocol

This request is used to modify a saved IP service order with static routing protocol.

| | |
|--------------|---|
| URI | /api/space/nsas/l3vpn/service-management/service-orders/ <serviceOrderId> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management. modify-service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |
| Produces | Modifies an IP service order. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource>
  <ServiceOrder>
    <Common>
      <Name>L3VPN_FM_STATIC_Modify_SO_API_01</Name>
      <Comments>ertert</Comments>
    </Common>
    <ServiceType>l3vpn</ServiceType>
    <EnableMVPN>>false</EnableMVPN>
```

```

<EnableMCLAG>false</EnableMCLAG>
<Action>Provisioning</Action>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="557168" uri="/api/space/nsas/device-roles/pe-devices/557168"
      href="/api/space/nsas/device-roles/pe-devices/557168">
      <DeviceName>junos-space1</DeviceName>
      <DeviceID>557168</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/5</InterfaceName>
    <InterfaceIndex>522</InterfaceIndex>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMSTATICEndPointConfigParameterOrderType">
      <UNIDescription>retretre</UNIDescription>
      <RoutingProtocol>Static</RoutingProtocol>
      <EthernetOption>Dot1Q</EthernetOption>

<AutoPickVlanID>true</AutoPickVlanID>
    <InterfaceIP>10.2.3.6</InterfaceIP>
    <RouteDistinguisher>69:2147467264</RouteDistinguisher>
    <VlanID>15</VlanID>

    <StaticRoutingProtocolDetails>

<DestinationPrefix>11.11.11.7/32</DestinationPrefix>
    <NextHop>10.10.10.10</NextHop>
  </StaticRoutingProtocolDetails>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
<EnableLoopback>false</EnableLoopback>
<EnableStitchingPoint>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="557143" uri="/api/space/nsas/device-roles/pe-devices/557143"
      href="/api/space/nsas/device-roles/pe-devices/557143">
      <DeviceName>junos-space2</DeviceName>
      <DeviceID>557143</DeviceID>
    </NA>

```

```

    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-0/1/5</InterfaceName>
      <InterfaceIndex>522</InterfaceIndex>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMSTATICEndPointConfigParameterOrderType">
        <UNIDescription>rtyrt</UNIDescription>
        <RoutingProtocol>Static</RoutingProtocol>
        <EthernetOption>Dot1Q</EthernetOption>

<AutoPickVlanID>true</AutoPickVlanID>
      <InterfaceIP>10.2.3.5</InterfaceIP>
      <RouteDistinguisher>69:2147467268</RouteDistinguisher>
      <StaticRoutingProtocolDetails>
        <DestinationPrefix>10.2.3.6/32</DestinationPrefix>
        <NextHop>10.2.3.6</NextHop>
      </StaticRoutingProtocolDetails>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
  <EnableLoopback>>false</EnableLoopback>
  <EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="557290" uri="/api/space/nsas/device-roles/pe-devices/557290"
      href="/api/space/nsas/device-roles/pe-devices/557290">
    <DeviceName>junos-space3</DeviceName>
    <DeviceID>557290</DeviceID>
  </NA>
</DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/6</InterfaceName>
    <InterfaceIndex>523</InterfaceIndex>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMSTATICEndPointConfigParameterOrderType">
      <UNIDescription>rtyrty</UNIDescription>
      <RoutingProtocol>Static</RoutingProtocol>
      <EthernetOption>Dot1Q</EthernetOption>
      <InterfaceIP>10.2.3.4</InterfaceIP>

```

```

<AutoPickVlanID>true</AutoPickVlanID>
  <RouteDistinguisher>65501:5455873</RouteDistinguisher>
  <StaticRoutingProtocolDetails>
    <DestinationPrefix>10.2.3.9/32</DestinationPrefix>
    <NextHop>10.2.8.4</NextHop>
  </StaticRoutingProtocolDetails>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
<EnableLoopback>>false</EnableLoopback>
<EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNConfigParameterOrderType">
  </ServiceOrderParameter>
  <Reference>
    <Customer key="557305" />
    <ServiceDefinition>
      <ServiceDefinitionID key="426056" />
    </ServiceDefinition>
    <Service key="426095" />
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>983095</Value>
    </Identity>
    <Job>

```

```
<ID>393246</ID>
<Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>The Service Order Modified Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Get a Hub-and-Spoke IP Service Order with Static Routing Protocol by Order ID

This request is used to retrieve the details of a particular hub-and-spoke IP service order with static routing protocol, based on the service order ID.

| | |
|-------------|--|
| URI | /api/space/nsas/l3vpn/service-management/service-orders/<serviceOrderId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Collects the details of a specific IP service order configured with static routing protocol. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
      <ServiceOrder key="721158"
uri="/api/space/nsas/l3vpn/service-management/service-orders/721158"
href="/api/space/nsas/l3vpn/service-management/service-orders/721158">
```

```

<Common>
  <Name>L3VPN_HupSpoke_SO</Name>
  <Identity>721158</Identity>
  <State>Validated</State>
  <Comments>fdgfdgd</Comments>
  <CreatedDate>2015-01-21T17:10:57.000+05:30</CreatedDate>
  <LastUpdatedDate>2015-01-21T17:10:57.000+05:30</LastUpdatedDate>
  <CreatedBy>super</CreatedBy>
</Common>
<ServiceType>l3vpn</ServiceType>
<EnableMVPN>>false</EnableMVPN>
<Action>Provisioning</Action>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="557168" uri="/api/space/nsas/device-roles/pe-devices/557168"
href="/api/space/nsas/device-roles/pe-devices/557168">
      <DeviceName>junos-space1</DeviceName>
      <DeviceID>557168</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/6</InterfaceName>
    <InterfaceIndex>523</InterfaceIndex>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNHSSTATICEndPointConfigParameterOrderType">
      <UNIDescription>rewtr</UNIDescription>
      <RoutingProtocol>Static</RoutingProtocol>
      <EthernetOption>Dot1Q</EthernetOption>
      <UnitID>2</UnitID>
      <VlanId>2</VlanId>
      <InterfaceIP>10.2.3.4</InterfaceIP>
      <Hub>>false</Hub>
      <SpokeRouteDistinguisher>69:2147467288</SpokeRouteDistinguisher>
      <StaticRoutingProtocolDetails>
        <DestinationPrefix>10.2.4.7/32</DestinationPrefix>
        <NextHop>10.2.1.3</NextHop>
      </StaticRoutingProtocolDetails>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
  <ServiceTemplates/>
</ServiceEndPoint>
<EnableLoopback>>false</EnableLoopback>

```

```

    <EnableStitchingPoint>false</EnableStitchingPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA key="557143" uri="/api/space/nsas/device-roles/pe-devices/557143"
href="/api/space/nsas/device-roles/pe-devices/557143">
        <DeviceName>junos-space2</DeviceName>
        <DeviceID>557143</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-0/1/5</InterfaceName>
      <InterfaceIndex>522</InterfaceIndex>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNHSSTATICEndPointConfigParameterOrderType">
        <UNIDescription>dtgdfg</UNIDescription>
        <RoutingProtocol>Static</RoutingProtocol>
        <EthernetOption>Dot1Q</EthernetOption>
        <UnitID>8</UnitID>
        <VlanId>8</VlanId>
        <InterfaceIP>10.6.9.1</InterfaceIP>
        <Hub>false</Hub>
        <SpokeRouteDistinguisher>69:2147467290</SpokeRouteDistinguisher>
        <StaticRoutingProtocolDetails>
          <DestinationPrefix>10.2.9.1/32</DestinationPrefix>
          <NextHop>10.2.3.6</NextHop>
        </StaticRoutingProtocolDetails>
      </ServiceEndpointConfiguration>
    </ServiceTemplates/>
  </ServiceEndPoint>
  <EnableLoopback>false</EnableLoopback>
  <EnableStitchingPoint>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="557290" uri="/api/space/nsas/device-roles/pe-devices/557290"
href="/api/space/nsas/device-roles/pe-devices/557290">
      <DeviceName>junos-space3</DeviceName>
      <DeviceID>557290</DeviceID>
    </NA>
  </DeviceInfo>

```

```

    <ServiceEndPoint>
      <InterfaceName>ge-0/2/1</InterfaceName>
      <InterfaceIndex>526</InterfaceIndex>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNHSSTATICEndPointConfigParameterOrderType">
        <UNIDescription>werwer</UNIDescription>
        <RoutingProtocol>Static</RoutingProtocol>
        <EthernetOption>Dot1Q</EthernetOption>
        <UnitID>1</UnitID>
        <VlanId>1</VlanId>
        <InterfaceIP>10.2.9.4</InterfaceIP>
        <Hub>true</Hub>
        <HubRouteDistinguisher>65501:5455881</HubRouteDistinguisher>
        <StaticRoutingProtocolDetails>
          <DestinationPrefix>10.3.9.7/32</DestinationPrefix>
          <NextHop>10.2.9.8</NextHop>
        </StaticRoutingProtocolDetails>
      </ServiceEndpointConfiguration>
    </ServiceTemplates/>
  </ServiceEndPoint>
  <EnableLoopback>>false</EnableLoopback>
  <EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
  <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNConfigParameterOrderType">
    <HubRouteTarget>69:1454096391</HubRouteTarget>
    <SpokeRouteTarget>69:1454096392</SpokeRouteTarget>
  </ServiceOrderParameter>
  <Reference>
    <Customer uri="/api/space/nsas/customer-management/customers/557305"
href="/api/space/nsas/customer-management/customers/557305" key="557305"/>
    <ServiceDefinition>
      <ServiceDefinitionID
uri="/api/space/nsas/l3vpn/service-management/service-definitions/721135"
href="/api/space/nsas/l3vpn/service-management/service-definitions/721135"
key="721135"/>
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>

```

</Data>

Create a Hub-and-Spoke IP Service Order with Static Routing Protocol

This request is used to create a hub-and-spoke IP service order with static routing protocol.

| | |
|--------------|---|
| URI | /api/space/nsas/l3vpn/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml |
| Produces | Creates an IP service order with static routing protocol. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource>
  <ServiceOrder>
    <Common>
      <Name>L3VPN_HupSpoke_SO_API</Name>
      <Comments>fdgfdgd</Comments>
    </Common>
    <ServiceType>l3vpn</ServiceType>
    <EnableMVPN>>false</EnableMVPN>
    <Action>Provisioning</Action>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <NA key="557168" uri="/api/space/nsas/device-roles/pe-devices/557168"
href="/api/space/nsas/device-roles/pe-devices/557168">
        <DeviceName>junos-spacel</DeviceName>
      </DeviceInfo>
    </ServiceEndPointGroup>
  </ServiceOrder>
</ServiceResource>
</Data>
```

```

        <DeviceID>557168</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge-0/1/6</InterfaceName>
    <InterfaceIndex>523</InterfaceIndex>
    <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="L3VPNHSSTATICEndPointConfigParameterOrderType">
        <UNIDescription>rewtr</UNIDescription>
        <RoutingProtocol>Static</RoutingProtocol>
        <EthernetOption>Dot1Q</EthernetOption>
        <InterfaceIP>10.2.3.4</InterfaceIP>
        <Hub>false</Hub>
        <SpokeRouteDistinguisher>69:2147467288</SpokeRouteDistinguisher>
        <StaticRoutingProtocolDetails>
            <DestinationPrefix>10.2.4.7/32</DestinationPrefix>
            <NextHop>10.2.1.3</NextHop>
        </StaticRoutingProtocolDetails>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
</ServiceEndPoint>
<EnableLoopback>false</EnableLoopback>
<EnableStitchingPoint>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA key="557143" uri="/api/space/nsas/device-roles/pe-devices/557143"
            href="/api/space/nsas/device-roles/pe-devices/557143">
        <DeviceName>junos-space2</DeviceName>
        <DeviceID>557143</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge-0/1/5</InterfaceName>
    <InterfaceIndex>522</InterfaceIndex>
    <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="L3VPNHSSTATICEndPointConfigParameterOrderType">
        <UNIDescription>dtgdfg</UNIDescription>
        <RoutingProtocol>Static</RoutingProtocol>
        <EthernetOption>Dot1Q</EthernetOption>

```

```

    <InterfaceIP>10.6.9.1</InterfaceIP>
    <Hub>false</Hub>
    <SpokeRouteDistinguisher>69:2147467290</SpokeRouteDistinguisher>
    <StaticRoutingProtocolDetails>
      <DestinationPrefix>10.2.9.1/32</DestinationPrefix>
      <NextHop>10.2.3.6</NextHop>
    </StaticRoutingProtocolDetails>
  </ServiceEndpointConfiguration>
  <ServiceTemplates />
</ServiceEndPoint>
<EnableLoopback>false</EnableLoopback>
<EnableStitchingPoint>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="557290" uri="/api/space/nsas/device-roles/pe-devices/557290"
      href="/api/space/nsas/device-roles/pe-devices/557290">
      <DeviceName>junos-space3</DeviceName>
      <DeviceID>557290</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/2/1</InterfaceName>
    <InterfaceIndex>526</InterfaceIndex>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="L3VPNHSSTATICEndPointConfigParameterOrderType">
      <UNIDescription>werwer</UNIDescription>
      <RoutingProtocol>Static</RoutingProtocol>
      <EthernetOption>Dot1Q</EthernetOption>
      <InterfaceIP>10.2.9.4</InterfaceIP>
      <Hub>true</Hub>
      <HubRouteDistinguisher>65501:5455881</HubRouteDistinguisher>
      <StaticRoutingProtocolDetails>
        <DestinationPrefix>10.3.9.7/32</DestinationPrefix>
        <NextHop>10.2.9.8</NextHop>
      </StaticRoutingProtocolDetails>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
  </ServiceEndPoint>
  <EnableLoopback>false</EnableLoopback>
  <EnableStitchingPoint>false</EnableStitchingPoint>

```

```

    </ServiceEndPointGroup>
    <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNConfigParameterOrderType">
    </ServiceOrderParameter>
    <Reference>
    <Customer key="557305" />
    <ServiceDefinition>
    <ServiceDefinitionID key="721135" />
    </ServiceDefinition>
    </Reference>
  </ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

    <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
    <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
    <Identity>
    <Type>ServiceOrder</Type>
    <Value>1310720</Value>
    </Identity>
    <Job>
    <ID>425987</ID>
    <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
    </Status>
    </Data>

```

Modify a Hub-and-Spoke IP Service Order with Static Routing Routing Protocol

This request is used to modify a saved IP service order with static routing protocol.

| | |
|--------------|---|
| URI | /api/space/nsas/l3vpn/service-management/service-orders/<serviceOrderId> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. modify-service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |
| Produces | Modifies an IP service order. |

Input

Sample XML Input

```

    <Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource>
  <ServiceOrder>
    <Common>
      <Name>L3VPN_HupSpoke_ModifySO_API</Name>
      <Comments>fdgfdgd</Comments>
    </Common>
    <ServiceType>l3vpn</ServiceType>
    <EnableMVPN>>false</EnableMVPN>
    <Action>Provisioning</Action>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <NA key="557168" uri="/api/space/nsas/device-roles/pe-devices/557168"
href="/api/space/nsas/device-roles/pe-devices/557168">
          <DeviceName>junos-space1</DeviceName>
          <DeviceID>557168</DeviceID>
        </NA>
      </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-0/1/6</InterfaceName>
      <InterfaceIndex>523</InterfaceIndex>
    </ServiceEndPoint>
  </ServiceOrder>
</ServiceResource>
  </Data>

```

```

    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNHSSTATICEndPointConfigParameterOrderType">
      <UNIDescription>rewtr</UNIDescription>
      <RoutingProtocol>Static</RoutingProtocol>
      <EthernetOption>Dot1Q</EthernetOption>
      <InterfaceIP>10.2.3.4</InterfaceIP>
      <Hub>>false</Hub>
      <SpokeRouteDistinguisher>69:2147467288</SpokeRouteDistinguisher>
      <StaticRoutingProtocolDetails>
        <DestinationPrefix>12.12.12.12/32</DestinationPrefix>
        <NextHop>10.2.1.3</NextHop>
      </StaticRoutingProtocolDetails>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
  <EnableLoopback>>false</EnableLoopback>
  <EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="557143" uri="/api/space/nsas/device-roles/pe-devices/557143"
      href="/api/space/nsas/device-roles/pe-devices/557143">
    <DeviceName>junos-space2</DeviceName>
    <DeviceID>557143</DeviceID>
  </NA>
</DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/5</InterfaceName>
    <InterfaceIndex>522</InterfaceIndex>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNHSSTATICEndPointConfigParameterOrderType">
      <UNIDescription>dtgdfg</UNIDescription>
      <RoutingProtocol>Static</RoutingProtocol>
      <EthernetOption>Dot1Q</EthernetOption>
      <InterfaceIP>10.6.9.1</InterfaceIP>
      <Hub>>false</Hub>
      <SpokeRouteDistinguisher>69:2147467290</SpokeRouteDistinguisher>
      <StaticRoutingProtocolDetails>
        <DestinationPrefix>10.2.9.1/32</DestinationPrefix>
        <NextHop>10.2.3.6</NextHop>
      </StaticRoutingProtocolDetails>

```

```

    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
  <EnableLoopback>>false</EnableLoopback>
  <EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="557290" uri="/api/space/nsas/device-roles/pe-devices/557290"
      href="/api/space/nsas/device-roles/pe-devices/557290">
      <DeviceName>junos-space3</DeviceName>
      <DeviceID>557290</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/2/1</InterfaceName>
    <InterfaceIndex>526</InterfaceIndex>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="L3VPNHSSTATICEndPointConfigParameterOrderType">
      <UNIDescription>werwer</UNIDescription>
      <RoutingProtocol>Static</RoutingProtocol>
      <EthernetOption>Dot1Q</EthernetOption>
      <InterfaceIP>10.2.9.4</InterfaceIP>
      <Hub>>true</Hub>
      <HubRouteDistinguisher>65501:5455881</HubRouteDistinguisher>
      <StaticRoutingProtocolDetails>
        <DestinationPrefix>10.3.9.7/32</DestinationPrefix>
        <NextHop>10.2.9.8</NextHop>
      </StaticRoutingProtocolDetails>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
  <EnableLoopback>>false</EnableLoopback>
  <EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNConfigParameterOrderType">
  </ServiceOrderParameter>
  <Reference>
    <Customer key="557305" />
    <ServiceDefinition>
      <ServiceDefinitionID key="721135" />
    </ServiceDefinition>
  </Reference>

```

```
    </Reference>
  </ServiceOrder>
</ServiceResource>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>1310736</Value>
    </Identity>
    <Job>
      <ID>425988</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Order Modified Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
  </Status>
</Data>
```

Get a Hub-and-Spoke IP Service Order with Loopback Service By Order ID

This request is used to retrieve the details of a particular hub-and-spoke IP service order with loopback service, based on the service order ID.

| | |
|-------------|--|
| URI | /api/space/nsas/l3vpn/service-management/service-orders/ <serviceOrderId> |
| HTTP Method | GET |

| | |
|----------|---|
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Collects the details of a specific hub-and-spoke IP LDP service order configured with a loopback service. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data>
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/l3vpn/service-management/service-orders/852002"
      uri="/api/space/nsas/l3vpn/service-management/service-orders/852002"
      key="852002">
      <Common>
        <Name>test-loop</Name>
        <Identity>852002</Identity>
        <State>Completed</State>
        <Comments>test</Comments>
        <CreatedDate>2013-05-25T16:26:55.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-05-25T16:27:47.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>l3vpn</ServiceType>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/device-roles/pe-devices/819337"
            uri="/api/space/nsas/device-roles/pe-devices/819337"
            key="819337">
            <DeviceName>jaipur</DeviceName>
            <DeviceID>819337</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/3</InterfaceName>
          <ServiceEndpointConfiguration
            xsi:type="L3VPNHSOSPFEndPointConfigParameterOrderType">
            <RoutingProtocol>OSPF</RoutingProtocol>
```

```

    <EthernetOption>Vlan</EthernetOption>
    <VlanId>8</VlanId>
    <UnitID>0</UnitID>
    <InterfaceIP>10.0.77.1</InterfaceIP>
    <Hub>true</Hub>
    <OSPFAreaId>0.0.0.0</OSPFAreaId>
    <OSPFVersion>Ver 2</OSPFVersion>
  </ServiceEndpointConfiguration>
  <ServiceTemplates />
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/819337"
uri="/api/space/nsas/device-roles/pe-devices/819337"
    key="819337">
    <DeviceName>jaipur</DeviceName>
    <DeviceID>819337</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>lo0</InterfaceName>
  <ServiceEndpointConfiguration
    xsi:type="L3VPNHSOSPFEndPointConfigParameterOrderType">
    <RoutingProtocol>OSPF</RoutingProtocol>
    <EthernetOption>Vlan</EthernetOption>
    <VlanId>0</VlanId>
    <UnitID>0</UnitID>
    <InterfaceIP>10.0.77.5</InterfaceIP>
    <Hub>false</Hub>
    <OSPFAreaId>0.0.0.0</OSPFAreaId>
    <OSPFVersion>Ver 2</OSPFVersion>
  </ServiceEndpointConfiguration>
  <ServiceTemplates />
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xsi:type="L3VPNConfigParameterOrderType">
  <VRFTabelLabel>true</VRFTabelLabel>
  <HubRouteTarget>100:5619718</HubRouteTarget>
  <SpokeRouteTarget>100:5619719</SpokeRouteTarget>
  <HubRouteDistinguisher>100:47349766</HubRouteDistinguisher>
</ServiceOrderParameter>

```

```
<Reference>
  <Customer key="819382"
    href="/api/space/nsas/customer-management/customers/819382"
uri="/api/space/nsas/customer-management/customers/819382" />
  <ServiceDefinition>
    <ServiceDefinitionID key="393244"

href="/api/space/nsas/l3vpn/service-management/service-definitions/393244"
    uri="/api/space/nsas/l3vpn/service-management/service-definitions/393244"
  />
  </ServiceDefinition>
  <Service key="852015"
    href="/api/space/nsas/l3vpn/service-management/services/852015"
    uri="/api/space/nsas/l3vpn/service-management/services/852015" />
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Create a Hub-and-Spoke IP Service Order with Loopback Service

This request is used to create a hub-and-spoke IP service order with loopback service.

| | |
|--------------|---|
| URI | /api/space/nsas/l3vpn/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |
| Produces | Creates a hub-and-spoke IP service order with loopback service. |

Input

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>gd123455345</Name>
        <Comments>dgdgdfg</Comments>
      </Common>
      <ServiceType>l3vpn</ServiceType>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/device-roles/pe-devices/589845"
uri="/api/space/nsas/device-roles/pe-devices/589845"
          key="589845">
            <DeviceName>embassy</DeviceName>
            <DeviceID>589845</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>xe-0/0/3</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNHSOSPFEndPointConfigParameterOrderType">
            <EthernetOption>VLAN</EthernetOption>
            <AutoPickVlanID>true</AutoPickVlanID>
            <InterfaceIP AutoPick="true" />
            <IPAddressPool>10.0.88.0/24</IPAddressPool>
            <Hub>true</Hub>
            <OSPFAreaId>0.0.0.0</OSPFAreaId>
            <OSPFVersion>Ver 2</OSPFVersion>
          </ServiceEndpointConfiguration>
          <ServiceTemplates />
        </ServiceEndPoint>
      </ServiceEndPointGroup>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/device-roles/pe-devices/589845"
uri="/api/space/nsas/device-roles/pe-devices/589845"
          key="589845">
            <DeviceName>embassy</DeviceName>
            <DeviceID>589845</DeviceID>

```

```

    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>lo0</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="L3VPNHSOSPFEndPointConfigParameterOrderType">
      <EthernetOption>VLAN</EthernetOption>
      <AutoPickVlanID>true</AutoPickVlanID>
      <InterfaceIP AutoPick="true" />
      <IPAddressPool>10.0.88.0/24</IPAddressPool>
      <UnitID>23</UnitID>
      <Hub>false</Hub>
      <OSPFAreaId>0.0.0.0</OSPFAreaId>
      <OSPFVersion>Ver 2</OSPFVersion>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
  </ServiceEndPoint>
</ServiceEndPointGroup>
<Reference>
  <Customer key="589863"
    href="/api/space/nsas/customer-management/customers/589863"
    uri="/api/space/nsas/customer-management/customers/589863" />
  <ServiceDefinition>
    <ServiceDefinitionID key="360476"
      href="/api/space/nsas/l3vpn/service-management/service-definitions/360476"
      uri="/api/space/nsas/l3vpn/service-management/service-definitions/360476"
    />
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="ServiceOrderCustomActionType">
  <Action>SaveAndDeployNow</Action>
</CustomAction>
</Data>

```

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>1507439</Value>
    </Identity>
    <Job>
      <ID>622660</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service Order Created Successfully and Deployment is in
      Progress. Please check the status using the JOB ID.
    </Message>
  </Status>
</Data>
```

Get a Full-Mesh IP Service Order with Loopback Service By Order ID

This request is used to retrieve the details of a particular full-mesh IP service order with loopback service, based on the service order ID.

| | |
|-------------|---|
| URI | /api/space/nsas/l3vpn/service-management/service-orders/<serviceOrderId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Collects the details of a specific full-mesh IP LDP service order configured with a loopback service. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data>
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/l3vpn/service-management/service-orders/852133"
      uri="/api/space/nsas/l3vpn/service-management/service-orders/852133"
      key="852133">
        <Common>
          <Name>hghthg</Name>
          <Identity>852133</Identity>
          <State>Completed</State>
          <Comments>htfh</Comments>
          <CreatedDate>2013-05-25T17:22:26.000+05:30</CreatedDate>
          <LastUpdatedDate>2013-05-25T17:22:47.000+05:30</LastUpdatedDate>
          <CreatedBy>super</CreatedBy>
        </Common>
        <ServiceType>l3vpn</ServiceType>
        <Action>Provisioning</Action>
        <ServiceEndPointGroup>
          <DeviceInfo>
            <NA href="/api/space/nsas/device-roles/pe-devices/819337"
uri="/api/space/nsas/device-roles/pe-devices/819337"
            key="819337">
              <DeviceName>jaipur</DeviceName>
              <DeviceID>819337</DeviceID>
            </NA>
          </DeviceInfo>
          <ServiceEndPoint>
            <InterfaceName>ge-0/0/3</InterfaceName>
            <ServiceEndpointConfiguration
              xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
                <RoutingProtocol>OSPF</RoutingProtocol>
                <EthernetOption>Vlan</EthernetOption>
                <VlanId>15</VlanId>
                <UnitID>0</UnitID>
                <InterfaceIP>10.0.88.33</InterfaceIP>
                <OSPFAreaId>0.0.0.0</OSPFAreaId>
                <OSPFVersion>Ver 2</OSPFVersion>
              </ServiceEndpointConfiguration>
            <ServiceTemplates />
          </ServiceEndPoint>
        </ServiceEndPointGroup>

```

```

    <ServiceEndPointGroup>
      <DeviceInfo>
        <NA href="/api/space/nsas/device-roles/pe-devices/819337"
uri="/api/space/nsas/device-roles/pe-devices/819337"
        key="819337">
          <DeviceName>jaipur</DeviceName>
          <DeviceID>819337</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>lo0</InterfaceName>
        <ServiceEndpointConfiguration
          xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
          <RoutingProtocol>OSPF</RoutingProtocol>
          <EthernetOption>Vlan</EthernetOption>
          <VlanId>0</VlanId>
          <UnitID>0</UnitID>
          <InterfaceIP>10.0.88.49</InterfaceIP>
          <OSPFAreaId>0.0.0.0</OSPFAreaId>
          <OSPFVersion>Ver 2</OSPFVersion>
        </ServiceEndpointConfiguration>
        <ServiceTemplates />
      </ServiceEndPoint>
    </ServiceEndPointGroup>
    <ServiceOrderParameter xsi:type="L3VPNConfigParameterOrderType">
      <RouteTarget>100:5619723</RouteTarget>
      <RouteDistinguisher>100:47349772</RouteDistinguisher>
      <VRFTabelLabel>true</VRFTabelLabel>
    </ServiceOrderParameter>
    <Reference>
      <Customer key="819382"
        href="/api/space/nsas/customer-management/customers/819382"
uri="/api/space/nsas/customer-management/customers/819382" />
      <ServiceDefinition>
        <ServiceDefinitionID key="852073"

href="/api/space/nsas/l3vpn/service-management/service-definitions/852073"
        uri="/api/space/nsas/l3vpn/service-management/service-definitions/852073"
      />
      </ServiceDefinition>
      <Service key="852146"
        href="/api/space/nsas/l3vpn/service-management/services/852146"

```

```

        uri="/api/space/nsas/l3vpn/service-management/services/852146" />
    </Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Create a Full-Mesh IP Service Order with Loopback Service

This request is used to create a full-mesh IP service order with loopback service.

| | |
|--------------|---|
| URI | /api/space/nsas/l3vpn/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |
| Produces | Creates an IP service order with loopback service. |

Input

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>hrdgred786786</Name>
        <Comments>trst</Comments>
      </Common>
      <ServiceType>l3vpn</ServiceType>
      <Action>Provisioning</Action>
```

```

<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/589845"
uri="/api/space/nsas/device-roles/pe-devices/589845"
    key="589845">
      <DeviceName>embassy</DeviceName>
      <DeviceID>589845</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>xe-0/0/1</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
      <EthernetOption>VLAN</EthernetOption>
      <AutoPickVlanID>true</AutoPickVlanID>
      <InterfaceIP AutoPick="true" />
      <IPAddressPool>10.0.88.0/24</IPAddressPool>
      <OSPFAreaId>0.0.0.0</OSPFAreaId>
      <OSPFVersion>Ver 2</OSPFVersion>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/589845"
uri="/api/space/nsas/device-roles/pe-devices/589845"
    key="589845">
      <DeviceName>embassy</DeviceName>
      <DeviceID>589845</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>lo0</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
      <EthernetOption>VLAN</EthernetOption>
      <AutoPickVlanID>true</AutoPickVlanID>
      <InterfaceIP AutoPick="true" />
      <IPAddressPool>10.0.88.0/24</IPAddressPool>

```

```

        <OSPFAreaId>0.0.0.0</OSPFAreaId>
        <OSPFVersion>Ver 2</OSPFVersion>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
</ServiceEndPoint>
</ServiceEndPointGroup>
<Reference>
    <Customer key="589863"
        href="/api/space/nsas/customer-management/customers/589863"
uri="/api/space/nsas/customer-management/customers/589863" />
    <ServiceDefinition>
        <ServiceDefinitionID key="360462"

href="/api/space/nsas/l3vpn/service-management/service-definitions/360462"
        uri="/api/space/nsas/l3vpn/service-management/service-definitions/360462"
    />
    </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
    <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="ServiceOrderCustomActionType">
        <Action>SaveAndDeployNow</Action>
    </CustomAction>
</Data>

```

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
        <Identity>
            <Type>ServiceOrder</Type>
            <Value>1507439</Value>
        </Identity>
        <Job>
            <ID>622660</ID>
            <Status>INPROGRESS</Status>

```

```
</Job>
<Code>200</Code>
<Message>Service Order Created Successfully and Deployment is in
  Progress. Please check the status using the JOB ID.
</Message>
</Status>
</Data>
```

Get an IP Service Order with Stitching Point By Order ID

This request is used to retrieve the details of a particular IP service order with stitching point, based on the service order ID.

| | |
|-------------|--|
| URI | /api/space/nsas/l3vpn/service-management/service-orders/<serviceOrderId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Collects the details of a specific IP LDP service order configured with a stitching point. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service key="786462"
uri="/api/space/nsas/l3vpn/service-management/services/786462"
href="/api/space/nsas/l3vpn/service-management/services/786462">
      <Common>
        <Name>L3VPN-BGP-Static_SO_SPAPI</Name>
        <Identity>786462</Identity>
        <State>Deployed</State>
```

```

    <CreateDate>2015-01-08T16:44:54.000+05:30</CreateDate>
    <LastUpdatedDate>2015-01-08T17:17:31.000+05:30</LastUpdatedDate>
  </Common>
  <ServiceType>L3VPN</ServiceType>
  <EnableMVPN>>false</EnableMVPN>
  <EnableMCLAG>>false</EnableMCLAG>
  <AuditFlag>
    <FunctionalAudit>Up</FunctionalAudit>
    <FaultStatus>None</FaultStatus>
    <SLAStatus>None</SLAStatus>
  </AuditFlag>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA key="524377" uri="/api/space/nsas/device-roles/pe-devices/524377"
href="/api/space/nsas/device-roles/pe-devices/524377">
        <DeviceName>junos-spacel</DeviceName>
        <DeviceID>524377</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-0/1/3</InterfaceName>
      <InterfaceIndex>520</InterfaceIndex>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMBGPEndPointConfigParameterServiceType">
        <RoutingProtocol>BGP</RoutingProtocol>
        <EthernetOption>Dot1Q</EthernetOption>
        <UnitID>9</UnitID>
        <VlanId>9</VlanId>
        <InterfaceIP>10.0.88.5</InterfaceIP>
        <RouteDistinguisher>69:2147467265</RouteDistinguisher>
        <PeerAS>7</PeerAS>
        <NeighborIP>10.0.88.6</NeighborIP>
      </ServiceEndpointConfiguration>
    </ServiceEndpoint>
    <ServiceTemplates/>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA key="524302" uri="/api/space/nsas/device-roles/pe-devices/524302"

```

```

href="/api/space/nsas/device-roles/pe-devices/524302">
    <DeviceName>junos-mx240-space</DeviceName>
    <DeviceID>524302</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMBGPPEndPointConfigParameterServiceType"/>
    </ServiceEndPoint>
    <EnableStitchingPoint>true</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA key="524349" uri="/api/space/nsas/device-roles/pe-devices/524349"
href="/api/space/nsas/device-roles/pe-devices/524349">
            <DeviceName>junos-space2</DeviceName>
            <DeviceID>524349</DeviceID>
            </NA>
        </DeviceInfo>
        <ServiceEndPoint>
            <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMBGPPEndPointConfigParameterServiceType"/>
            </ServiceEndPoint>
            <EnableStitchingPoint>true</EnableStitchingPoint>
        </ServiceEndPointGroup>
        <ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNConfigParameterServiceType">
            <RouteTarget>69:1454096385</RouteTarget>
            <VRFTabelLabel>Enabled</VRFTabelLabel>
            <ASOverride>true</ASOverride>
            <MaximumPrefixes>0</MaximumPrefixes>
        </ServiceParameters>
        <Reference>
            <ServiceOrder
uri="/api/space/nsas/l3vpn/service-management/service-orders/786451"
href="/api/space/nsas/l3vpn/service-management/service-orders/786451"
key="786451"/>
            <ServiceDefinition>
                <ServiceDefinitionID
uri="/api/space/nsas/l3vpn/service-management/service-definitions/425984"

```

```

href="/api/space/nsas/l3vpn/service-management/service-definitions/425984"
key="425984"/>
  </ServiceDefinition>
  <Customer uri="/api/space/nsas/customer-management/customers/524492"
href="/api/space/nsas/customer-management/customers/524492" key="524492"/>
    </Reference>
  </Service>
</ServiceResource>
</Data>

```

Create an IP Service Order with Stitching Point

This request is used to create an IP service order with stitching point.

| | |
|--------------|---|
| URI | /api/space/nsas/l3vpn/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |
| Produces | Creates an IP service order with stitching point. |

Input (Full-Mesh IP with BGP)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3VPN-BGP-Static_SO_SPAPI</Name>
        <Comments>BGP_FullMesh</Comments>

```

```

</Common>

<ServiceEndPointGroup>
  <DeviceInfo>
    <NA>
      <DeviceName>junos-spacel</DeviceName>
      <DeviceID>524377</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/3</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="L3VPNFMGBPEndPointConfigParameterOrderType">
      <EthernetOption>VLAN</EthernetOption>
        <AutoPickVlanID>>false</AutoPickVlanID>

      <VlanId>9</VlanId>
      <InterfaceIP AutoPick="true"/>
      <IPAddressPool>10.0.88.0/24</IPAddressPool>
      <PeerAS>7</PeerAS>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<EnableStitchingPoint>true</EnableStitchingPoint>
  <DeviceInfo>
    <NA>
      <DeviceName>junos-mx240-space</DeviceName>
      <DeviceID>524302</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
  </ServiceEndPoint>
</ServiceEndPointGroup>
  <Reference>
    <Customer key="524492"/>
    <ServiceDefinition>
      <ServiceDefinitionID key="425984"/>
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>

```

```
</Data>
```

Input (Full-Mesh IP with OSPF)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource>
<ServiceOrder>
<Common>
<Name>L3VPN_OSPF_SP_API</Name>
</Common>
<ServiceType>l3vpn</ServiceType>
<EnableMVPN>>false</EnableMVPN>
<EnableMCLAG>>false</EnableMCLAG>
<Action>Provisioning</Action>
<ServiceEndPointGroup>
<DeviceInfo>
<NA>
<DeviceName>junos-spacel</DeviceName>
<DeviceID>524377</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge-0/1/5</InterfaceName>
<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOspfEndPointConfigParameterOrderType">
<EthernetOption>Dot1Q</EthernetOption>
<InterfaceIP AutoPick="true" />
<IPAddressPool>10.0.88.0/24</IPAddressPool>
<AutoPickUnitID>>false</AutoPickUnitID>
<UnitID>400</UnitID>
<OSPFAreaId>0.0.0.0</OSPFAreaId>
<OSPFVersion>Ver 2</OSPFVersion>
</ServiceEndpointConfiguration>
<ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
```

```

    <ServiceEndPointGroup>
      <EnableStitchingPoint>true</EnableStitchingPoint>
      <DeviceInfo>
        <NA>
          <DeviceName>junos-mx240-space</DeviceName>
          <DeviceID>524302</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <ServiceTemplates/>
      </ServiceEndPoint>
    </ServiceEndPointGroup>
    <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNConfigParameterOrderType">
      <OSPFDomainID>2.2.2.2</OSPFDomainID>
    </ServiceOrderParameter>
    <Reference>
      <Customer key="524492" />
      <ServiceDefinition>
        <ServiceDefinitionID key="426002" />
      </ServiceDefinition>
    </Reference>
  </ServiceOrder>
</ServiceResource>
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndDeployNow</Action>
  </CustomAction>
</Data>

```

Input (Hub-and-Spoke IP with BGP)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3VPN_BGPHS_SO_API</Name>

```

```

    <Comments>afdsf</Comments>
  </Common>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA>
        <DeviceName>junos-spacel</DeviceName>
        <DeviceID>524377</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-0/1/3</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="L3VPNHSBGPEndPointConfigParameterOrderType">
        <EthernetOption>VLAN</EthernetOption>
        <Hub>true</Hub>
        <InterfaceIP AutoPick="true" />
        <IPAddressPool>10.0.88.0/24</IPAddressPool>

        <PeerAS>23</PeerAS>

      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <EnableStitchingPoint>true</EnableStitchingPoint>
    <DeviceInfo>
      <NA>
        <DeviceName>junos-mx240-space</DeviceName>
        <DeviceID>524302</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <Reference>
    <Customer key="524492" />
    <ServiceDefinition>
      <ServiceDefinitionID key="426038" />
    </ServiceDefinition>
  </Reference>
</ServiceOrder>

```

```

</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="ServiceOrderCustomActionType">
  <Action>SaveAndDeployNow</Action>
</CustomAction>
</Data>

```

Input (Hub-and-Spoke IP with OSPF)

Sample XML Input

```

      <Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource>
  <ServiceOrder>
    <Common>
      <Name>L3VPN_OSPFHS_SO_API</Name>
      <Comments>dgdgdfg</Comments>
    </Common>
    <ServiceType>l3vpn</ServiceType>
    <Action>Provisioning</Action>
    <ServiceEndPointGroup>

    <DeviceInfo>
      <NA>
        <DeviceName>junos-space1</DeviceName>
        <DeviceID>524377</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-0/1/5</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNHSOSPFEndPointConfigParameterOrderType">
        <EthernetOption>VLAN</EthernetOption>
        <AutoPickVlanID>true</AutoPickVlanID>
        <InterfaceIP AutoPick="true" />
        <IPAddressPool>10.0.88.0/24</IPAddressPool>
        <Hub>true</Hub>
        <OSPFAreaId>0.0.0.0</OSPFAreaId>

```

```

        <OSPFVersion>Ver 2</OSPFVersion>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>

<EnableStitchingPoint>true</EnableStitchingPoint>
    <DeviceInfo>
        <NA>
            <DeviceName>junos-mx240-space</DeviceName>
            <DeviceID>524302</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <ServiceTemplates />
    </ServiceEndPoint>
</ServiceEndPointGroup>
<Reference>
    <Customer key="524492" />
    <ServiceDefinition>
        <ServiceDefinitionID key="426020" />
    </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndDeployNow</Action>
</CustomAction>
</Data>

```

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
        <Identity>

```

```
<Type>ServiceOrder</Type>
<Value>3211503</Value>
</Identity>
<Job>
  <ID>819329</ID>
  <Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Modify an IP Service Order with Stitching Point

This request is used to modify an IP service order with stitching point.

| | |
|--------------|---|
| URI | /api/space/nsas/l3vpn/service-management/service-orders/ <service-order-id> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management. modify-service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |
| Produces | Modifies an IP service order with stitching point. |

Input (Full-Mesh IP with BGP)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
```

```

<ServiceOrder>
  <Common>
    <Name>L3VPN-BGP-Static_ModifySO_SPAPI</Name>
    <Comments>BGP_FullMesh</Comments>
  </Common>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA>
        <DeviceName>junos-spacel</DeviceName>
        <DeviceID>524377</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-0/1/3</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="L3VPNFMBGPEndPointConfigParameterOrderType">
        <EthernetOption>VLAN</EthernetOption>
          <AutoPickVlanID>>false</AutoPickVlanID>
        <VlanId>9</VlanId>
        <InterfaceIP AutoPick="true"/>
        <IPAddressPool>10.0.88.0/24</IPAddressPool>
        <PeerAS>7</PeerAS>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <EnableStitchingPoint>true</EnableStitchingPoint>
    <DeviceInfo>
      <NA>
        <DeviceName>junos-mx240-space</DeviceName>
        <DeviceID>524302</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
</Data>

```

Input (Full-Mesh IP with OSPF)

Sample XML Input

```

    <Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3VPN_OSPF_ModifySOSP_API</Name>
      </Common>
      <ServiceType>l3vpn</ServiceType>
      <EnableMVPN>>false</EnableMVPN>
      <EnableMCLAG>>false</EnableMCLAG>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junos-space1</DeviceName>
            <DeviceID>524377</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/1/5</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
            <EthernetOption>Dot1Q</EthernetOption>
            <InterfaceIP AutoPick="true" />
            <IPAddressPool>10.0.88.0/24</IPAddressPool>
          </ServiceEndpointConfiguration>
          <AutoPickUnitID>>false</AutoPickUnitID>
          <UnitID>400</UnitID>
          <OSPFAreaId>0.0.0.0</OSPFAreaId>
          <OSPFVersion>Ver 2</OSPFVersion>
        </ServiceEndpointConfiguration>
        <ServiceTemplates/>
      </ServiceEndPoint>
    </ServiceEndPointGroup>
    <ServiceEndPointGroup>
      <EnableStitchingPoint>>true</EnableStitchingPoint>
      <DeviceInfo>
        <NA>
          <DeviceName>junos-mx240-space</DeviceName>
          <DeviceID>524302</DeviceID>
        </NA>
      </DeviceInfo>

```

```

    <ServiceEndPoint>
      <ServiceTemplates/>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNConfigParameterOrderType">
    <OSPFDomainID>2.2.2</OSPFDomainID>
  </ServiceOrderParameter>
</ServiceOrder>
</ServiceResource>
</Data>

```

Input (Hub-and-Spoke IP with BGP)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3VPN_BGPHS_ModifySO_API</Name>
        <Comments>afdsf</Comments>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junos-spacel</DeviceName>
            <DeviceID>524377</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/1/3</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNHSBGPEndPointConfigParameterOrderType">
            <EthernetOption>VLAN</EthernetOption>
            <Hub>true</Hub>
            <InterfaceIP AutoPick="true" />
            <IPAddressPool>10.0.88.0/24</IPAddressPool>

```

```

        <PeerAS>23</PeerAS>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<EnableStitchingPoint>true</EnableStitchingPoint>
    <DeviceInfo>
        <NA>
            <DeviceName>junos-mx240-space</DeviceName>
            <DeviceID>524302</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
    </ServiceEndPoint>
</ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
</Data>

```

Input (Hub-and-Spoke IP with OSPF)

Sample XML Input

```

        <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
    <ServiceOrder>
        <Common>
            <Name>L3VPN_OSPFHS_ModifySO_API</Name>
            <Comments>dgdgdfg</Comments>
        </Common>
        <ServiceType>l3vpn</ServiceType>
        <Action>Provisioning</Action>
    <ServiceEndPointGroup>
        <DeviceInfo>
            <NA>
                <DeviceName>junos-spacel</DeviceName>
                <DeviceID>524377</DeviceID>
            </NA>
        </DeviceInfo>
    </ServiceEndPointGroup>
    </ServiceOrder>
    </ServiceResource>
</Data>

```

```

    <ServiceEndPoint>
      <InterfaceName>ge-0/1/5</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNHSOSPFEndPointConfigParameterOrderType">
        <EthernetOption>VLAN</EthernetOption>
        <AutoPickVlanID>true</AutoPickVlanID>
        <InterfaceIP AutoPick="true" />
        <IPAddressPool>10.0.88.0/24</IPAddressPool>
        <Hub>true</Hub>
        <OSPFAreaId>0.0.0.0</OSPFAreaId>
        <OSPFVersion>Ver 2</OSPFVersion>
      </ServiceEndpointConfiguration>
      <ServiceTemplates />
    </ServiceEndPoint>
  </ServiceEndPointGroup>
</ServiceEndPointGroup>

<EnableStitchingPoint>true</EnableStitchingPoint>
  <DeviceInfo>
    <NA>
      <DeviceName>junos-mx240-space</DeviceName>
      <DeviceID>524302</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <ServiceTemplates />
  </ServiceEndPoint>
</ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>

```

```
<Identity>
  <Type>ServiceOrder</Type>
  <Value>3211503</Value>
</Identity>
<Job>
  <ID>819329</ID>
  <Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Create an IP Service Order with Loopback Interfaces

This request is used to create an IP service order with loopback interfaces.

| | |
|--------------|---|
| URI | /api/space/nsas/l3vpn/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |
| Produces | Creates an IP service order with loopback interfaces. |

Input (Full-Mesh IP with BGP)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
```

```

<ServiceOrder>
  <Common>
    <Name>l3vpnBGPAPI_235</Name>
  </Common>
  <ServiceType>l3vpn</ServiceType>
  <EnableMVPN>>false</EnableMVPN>
    <EnableMCLAG>>false</EnableMCLAG>
  <Action>Provisioning</Action>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA>
        <DeviceName>junos-space1</DeviceName>
        <DeviceID>7536753</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-0/1/5</InterfaceName>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMBGPEndPointConfigParameterOrderType">
        <EthernetOption>Dot1Q</EthernetOption>
        <AutoPickUnitID>>false</AutoPickUnitID>
        <UnitID>235</UnitID>
        <InterfaceIP AutoPick="true"/>
        <IPAddressPool>10.0.88.0/24</IPAddressPool>
        <PeerAS>1</PeerAS>
      </ServiceEndpointConfiguration>
      <ServiceTemplates/>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <EnableLoopback>>true</EnableLoopback>
    <DeviceInfo>
      <NA>
        <DeviceName>junos-space1</DeviceName>
        <DeviceID>7536753</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>lo0</InterfaceName>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

```

```

xsi:type="L3VPNFMBGP endPointConfigParameterOrderType">
    <EthernetOption>Dot1Q</EthernetOption>
    <UnitID>235</UnitID>
    <InterfaceIP AutoPick="true"/>
    <IPAddressPool>10.0.88.0/24</IPAddressPool>
    <PeerAS>1</PeerAS>
</ServiceEndPointConfiguration>
<ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNConfigParameterOrderType">
    <ASOverride>true</ASOverride>
</ServiceOrderParameter>
<Reference>
    <Customer key="4128768"/>
    <ServiceDefinition>
        <ServiceDefinitionID key="425984"/>
    </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndDeployNow</Action>
</CustomAction>
</Data>

```

Input (Full-Mesh IP with OSPF)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
        <ServiceOrder>
            <Common>
                <Name>testOSPF_API</Name>
            </Common>
            <ServiceType>l3vpn</ServiceType>

```

```

<EnableMVPN>>false</EnableMVPN>
<EnableMCLAG>>false</EnableMCLAG>
<Action>Provisioning</Action>
<ServiceEndPointGroup>
  <EnableLoopback>>true</EnableLoopback>
  <DeviceInfo>
    <NA>
      <DeviceName>junos-space1</DeviceName>
      <DeviceID>7536753</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>lo0</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOspfEndPointConfigParameterOrderType">
      <EthernetOption>Dot1Q</EthernetOption>

      <InterfaceIP AutoPick="true" />
      <IPAddressPool>10.0.88.0/24</IPAddressPool>

      <UnitID>400</UnitID>
      <OSPFAreaId>0.0.0.0</OSPFAreaId>
      <OSPFVersion>Ver 2</OSPFVersion>
    </ServiceEndpointConfiguration>
    <ServiceTemplates/>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA>
      <DeviceName>junos-space1</DeviceName>
      <DeviceID>7536753</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/3</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOspfEndPointConfigParameterOrderType">
      <EthernetOption>Dot1Q</EthernetOption>

```

```

    <InterfaceIP AutoPick="true" />
    <IPAddressPool>10.0.88.0/24</IPAddressPool>

    <AutoPickUnitID>false</AutoPickUnitID>
    <UnitID>400</UnitID>

    <OSPFAreaId>0.0.0.0</OSPFAreaId>
    <OSPFVersion>Ver 2</OSPFVersion>
  </ServiceEndpointConfiguration>
  <ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
  <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNConfigParameterOrderType">
    <OSPFDomainID>2.2.2.2</OSPFDomainID>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="4128768"/>
    <ServiceDefinition>
      <ServiceDefinitionID key="426002"/>
    </ServiceDefinition>
    <Service/>
  </Reference>
</ServiceOrder>
</ServiceResource>
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndDeployNow</Action>
  </CustomAction>
</Data>

```

Input (Hub-and-Spoke IP with BGP)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3VPNHSBGPSERVICE_API1</Name>

```

```

    <Comments>afdsf</Comments>
  </Common>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA>
        <DeviceName>junos-space1</DeviceName>
        <DeviceID>7536753</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-0/1/3</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNHSBGPEndPointConfigParameterOrderType">
        <EthernetOption>VLAN</EthernetOption>
        <Hub>true</Hub>
        <InterfaceIP AutoPick="true" />
        <IPAddressPool>10.0.88.0/24</IPAddressPool>

        <PeerAS>23</PeerAS>

      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <EnableLoopback>true</EnableLoopback>
    <DeviceInfo>
      <NA>
        <DeviceName>junos-space1</DeviceName>
        <DeviceID>7536753</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>lo0</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNHSBGPEndPointConfigParameterOrderType">
        <EthernetOption>VLAN</EthernetOption>
        <Hub>false</Hub>
        <AutoPickVlanID>true</AutoPickVlanID>
        <UnitID>36</UnitID>
        <InterfaceIP AutoPick="true" />

```

```

        <IPAddressPool>10.0.88.0/24</IPAddressPool>
        <PeerAS>23</PeerAS>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<Reference>
    <Customer key="4128768" />
    <ServiceDefinition>
        <ServiceDefinitionID key="426038" />
    </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndDeployNow</Action>
</CustomAction>
</Data>

```

Input (Hub-and-Spoke IP with OSPF)

Sample XML Input

```

        <Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource>
    <ServiceOrder>
        <Common>
            <Name>SO_11_1_hubSpoke_4</Name>
            <Comments>dgdgdfg</Comments>
        </Common>
        <ServiceType>l3vpn</ServiceType>
        <Action>Provisioning</Action>
        <ServiceEndPointGroup>

        <DeviceInfo>
            <NA>
                <DeviceName>junos-spacel</DeviceName>
                <DeviceID>7536753</DeviceID>
            </NA>
        </DeviceInfo>
    </ServiceOrder>
</ServiceResource>
</Data>

```

```

    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/3</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="L3VPNHSOSPFEndPointConfigParameterOrderType">
      <EthernetOption>VLAN</EthernetOption>
      <AutoPickVlanID>true</AutoPickVlanID>
      <InterfaceIP AutoPick="true" />
      <IPAddressPool>10.0.88.0/24</IPAddressPool>
      <Hub>true</Hub>
      <OSPFAreaId>0.0.0.0</OSPFAreaId>
      <OSPFVersion>Ver 2</OSPFVersion>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <EnableLoopback>true</EnableLoopback>

  <DeviceInfo>
    <NA>
      <DeviceName>junos-space1</DeviceName>
      <DeviceID>7536753</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>lo0</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="L3VPNHSOSPFEndPointConfigParameterOrderType">
      <EthernetOption>VLAN</EthernetOption>
      <AutoPickVlanID>true</AutoPickVlanID>
      <InterfaceIP AutoPick="true" />
      <IPAddressPool>10.0.88.0/24</IPAddressPool>
      <UnitID>26</UnitID>
      <Hub>false</Hub>
      <OSPFAreaId>0.0.0.0</OSPFAreaId>
      <OSPFVersion>Ver 2</OSPFVersion>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
  </ServiceEndPoint>

```

```

</ServiceEndPointGroup>
<Reference>
  <Customer key="4128768" />
  <ServiceDefinition>
    <ServiceDefinitionID key="426020" />
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="ServiceOrderCustomActionType">
  <Action>SaveAndDeployNow</Action>
</CustomAction>
</Data>

```

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>3211503</Value>
    </Identity>
    <Job>
      <ID>819329</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
  </Status>
</Data>

```

Modify an IP Service Order with Loopback Interfaces

This request is used to modify an IP service order with loopback interfaces.

| | |
|--------------|---|
| URI | /api/space/nsas/l3vpn/service-management/service-orders/ <service-order-id> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management. modify-service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |
| Produces | Modifies an IP service order with loopback interfaces. |

Input (Full-Mesh IP with BGP)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3VPN-BGP-Static_ModifySO_SPAPI</Name>
        <Comments>BGP_FullMesh</Comments>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junos-space1</DeviceName>
            <DeviceID>524377</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/1/3</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="L3VPNFMBGPPEndPointConfigParameterOrderType">
            <EthernetOption>VLAN</EthernetOption>
```

```

        <AutoPickVlanID>false</AutoPickVlanID>
    <VlanId>9</VlanId>
    <InterfaceIP AutoPick="true"/>
    <IPAddressPool>10.0.88.0/24</IPAddressPool>
    <PeerAS>7</PeerAS>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<EnableLoopback>true</EnableLoopback>
<DeviceInfo>
    <NA>
        <DeviceName>junos-mx240-space</DeviceName>
        <DeviceID>524302</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>lo0</InterfaceName>
    <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="L3VPNFMBGP endPointConfigParameterOrderType">
        <EthernetOption>VLAN</EthernetOption>
            <AutoPickVlanID>false</AutoPickVlanID>
            <VlanId>9</VlanId>
            <InterfaceIP AutoPick="true"/>
            <IPAddressPool>10.0.88.0/24</IPAddressPool>
            <PeerAS>7</PeerAS>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
</Data>

```

Input (Full-Mesh IP with OSPF)

Sample XML Input

```

    <Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource>
  <ServiceOrder>
    <Common>
      <Name>L3VPN_OSPF_ModifySOSP_API</Name>
    </Common>
    <ServiceType>l3vpn</ServiceType>
    <EnableMVPN>>false</EnableMVPN>
    <EnableMCLAG>>false</EnableMCLAG>
    <Action>Provisioning</Action>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <NA>
          <DeviceName>junos-space1</DeviceName>
          <DeviceID>524377</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-0/1/5</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOspfEndPointConfigParameterOrderType">
          <EthernetOption>Dot1Q</EthernetOption>
          <InterfaceIP AutoPick="true" />
          <IPAddressPool>10.0.88.0/24</IPAddressPool>
        </ServiceEndpointConfiguration>
        <AutoPickUnitID>>false</AutoPickUnitID>
        <UnitID>400</UnitID>
        <OSPFAreaId>0.0.0.0</OSPFAreaId>
        <OSPFVersion>Ver 2</OSPFVersion>
      </ServiceEndpointConfiguration>
      <ServiceTemplates/>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <EnableLoopback>>true</EnableLoopback>
    <DeviceInfo>
      <NA>
        <DeviceName>junos-mx240-space</DeviceName>
        <DeviceID>524302</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>

```

```

    <InterfaceName>lo0</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="L3VPNFMBGPEndPointConfigParameterOrderType">
      <EthernetOption>VLAN</EthernetOption>
        <AutoPickVlanID>false</AutoPickVlanID>
      <VlanId>9</VlanId>
      <InterfaceIP AutoPick="true"/>
      <IPAddressPool>10.0.88.0/24</IPAddressPool>
      <PeerAS>7</PeerAS>
    </ServiceEndpointConfiguration>
    <ServiceTemplates/>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="L3VPNConfigParameterOrderType">
  <OSPFDomainID>2.2.2.2</OSPFDomainID>
</ServiceOrderParameter>
</ServiceOrder>
</ServiceResource>
</Data>

```

Input (Hub-and-Spoke IP with BGP)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3VPN_BGPFS_ModifySO_API</Name>
        <Comments>afdsf</Comments>
      </Common>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <NA>
          <DeviceName>junos-space1</DeviceName>
          <DeviceID>524377</DeviceID>
        </NA>
      </DeviceInfo>
    </ServiceEndPointGroup>
  </ServiceOrder>
</ServiceResource>
</Data>

```

```

    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-0/1/3</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="L3VPNHSBGPEndPointConfigParameterOrderType">
        <EthernetOption>VLAN</EthernetOption>
        <Hub>true</Hub>
        <InterfaceIP AutoPick="true" />
        <IPAddressPool>10.0.88.0/24</IPAddressPool>
        <PeerAS>23</PeerAS>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <EnableLoopback>true</EnableLoopback>
    <DeviceInfo>
      <NA>
        <DeviceName>junos-mx240-space</DeviceName>
        <DeviceID>524302</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>lo0</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="L3VPNFMBGPEndPointConfigParameterOrderType">
        <EthernetOption>VLAN</EthernetOption>
          <AutoPickVlanID>false</AutoPickVlanID>
        <VlanId>9</VlanId>
        <InterfaceIP AutoPick="true"/>
        <IPAddressPool>10.0.88.0/24</IPAddressPool>
        <PeerAS>7</PeerAS>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
</Data>

```

Input (Hub-and-Spoke IP with OSPF)

Sample XML Input

```

        <Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource>
  <ServiceOrder>
    <Common>
      <Name>L3VPN_OSPFHS_ModifySO_API</Name>
      <Comments>dgdgdfg</Comments>
    </Common>
    <ServiceType>l3vpn</ServiceType>
    <Action>Provisioning</Action>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <NA>
          <DeviceName>junos-space1</DeviceName>
          <DeviceID>524377</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-0/1/5</InterfaceName>
        <ServiceEndpointConfiguration
          xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
          xsi:type="L3VPNHSOSPFEndPointConfigParameterOrderType">
          <EthernetOption>VLAN</EthernetOption>
          <AutoPickVlanID>true</AutoPickVlanID>
          <InterfaceIP AutoPick="true" />
          <IPAddressPool>10.0.88.0/24</IPAddressPool>
          <Hub>true</Hub>
          <OSPFAreaId>0.0.0.0</OSPFAreaId>
          <OSPFVersion>Ver 2</OSPFVersion>
        </ServiceEndpointConfiguration>
        <ServiceTemplates />
      </ServiceEndPoint>
    </ServiceEndPointGroup>
    <ServiceEndPointGroup>
      <EnableLoopback>true</EnableLoopback>

      <DeviceInfo>
        <NA>
          <DeviceName>junos-mx240-space</DeviceName>
          <DeviceID>524302</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>

```

```

    <InterfaceName>lo0</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="L3VPNFMBGP endPointConfigParameterOrderType">
      <EthernetOption>VLAN</EthernetOption>
        <AutoPickVlanID>false</AutoPickVlanID>
      <VlanId>9</VlanId>
      <InterfaceIP AutoPick="true"/>
      <IPAddressPool>10.0.88.0/24</IPAddressPool>
      <PeerAS>7</PeerAS>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
  </ServiceEndPoint>
</ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>3211503</Value>
    </Identity>
    <Job>
      <ID>819329</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
  </Status>
</Data>

```

Get E-Line Service Orders with Pseudowire Stitching for an IP By Order ID

This request is used to retrieve a configured IP service orders stitched to an IP, based on the service order ID.

| | |
|-------------|--|
| URI | /api/space/nsas/eline-ntp/service-management/service-orders/<service-order-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Collects a specific configured E-Line service order stitched to an L3VPN. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/eline-ntp/service-management/service-orders/1376436"

      uri="/api/space/nsas/eline-ntp/service-management/service-orders/1376436"

      key="1376436">
        <Common>
          <Name>nnibst</Name>
          <Identity>1376436</Identity>
          <State>Completed</State>
          <CreatedDate>2013-03-13T17:51:57.000+05:30</CreatedDate>
          <LastUpdatedDate>2013-03-13T17:57:14.000+05:30</LastUpdatedDate>
          <CreatedBy>super</CreatedBy>
        </Common>
        <ServiceType>Point-to-Point Pseudowire</ServiceType>
        <Signaling>LDP</Signaling>
        <Action>Provisioning</Action>
        <ServiceEndPointGroup>
          <DeviceInfo>
```

```

    <NA href="/api/space/nsas/device-roles/pe-devices/1409926"
uri="/api/space/nsas/device-roles/pe-devices/1409926"
    key="1409926">
    <DeviceName>exora</DeviceName>
    <DeviceID>1409926</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>lt-1/2/0</InterfaceName>
  <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
    <EndPointCategory>PTP</EndPointCategory>
    <TrafficType>DOT1Q Transport single vlan</TrafficType>
    <PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
    <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
    <UNIDescription>N/A</UNIDescription>
    <OuterTPID>None</OuterTPID>
    <VlanId>512</VlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Kbps">0</Bandwidth>
  </ServiceEndpointConfiguration>
  <ServiceTemplates />
</ServiceEndPoint>
<PWStitching>
  <L3RoutingInstName>nib</L3RoutingInstName>
  <IPAddressPool>10.0.99.21/30</IPAddressPool>
  <PeerUnitName>4096</PeerUnitName>
</PWStitching>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/1409884"
uri="/api/space/nsas/device-roles/pe-devices/1409884"
    key="1409884">
    <DeviceName>kochin</DeviceName>
    <DeviceID>1409884</DeviceID>
  </NA>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-0/0/9</InterfaceName>
  <ServiceEndpointConfiguration

```

```

        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPElineLDPEndPointConfigParameterOrderType">
    <EndPointCategory>PTP</EndPointCategory>
    <TrafficType>DOT1Q Transport single vlan</TrafficType>
    <PhysicalEncapsulation>vlan-ccc</PhysicalEncapsulation>
    <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
    <UNIDescription>N/A</UNIDescription>
    <OuterTPID>None</OuterTPID>
    <VlanId>513</VlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Kbps">0</Bandwidth>
</ServiceEndpointConfiguration>
<ServiceTemplates />
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

    xsi:type="PTPConfigParameterOrderType">
        <MTU>1522</MTU>
        <VCID>2147467284</VCID>
    </ServiceOrderParameter>
    <Reference>
        <Customer key="557188"
            href="/api/space/nsas/customer-management/customers/557188"
            uri="/api/space/nsas/customer-management/customers/557188" />
        <ServiceDefinition>
            <ServiceDefinitionID key="295167"

                href="/api/space/nsas/eline-ptp/service-management/service-definitions/295167"

                uri="/api/space/nsas/eline-ptp/service-management/service-definitions/295167"
            />
        </ServiceDefinition>
        <Service key="1376445"
            href="/api/space/nsas/eline-ptp/service-management/services/1376445"
            uri="/api/space/nsas/eline-ptp/service-management/services/1376445" />
    </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Create an IP Service Order with Pseudowire Stitching

This request is used to create an IP service order with pseudowire stitching.

| | |
|--------------|--|
| URI | /api/space/nsas/l3vpn/service-management/service-orders/ <service-id>/extend-pw-service |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management. extendpw-service+xml |
| Consumes | application/vnd.net.juniper.space.service-management. extendpw-status+xml |
| Produces | Creates an IP service order with stitching point. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>Stitch-PTP3</Name>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junos-m10-1-space</DeviceName>
            <DeviceID>2195593</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
```

```

    <InterfaceName>lt-1/0/0</InterfaceName>
  </ServiceEndPoint>
  <PWStitching>
    <AutopickIntfIp>true</AutopickIntfIp>
    <L3RoutingInstName>FMOSPF-L3VPN</L3RoutingInstName>
    <IPBlockSize>30</IPBlockSize>
    <IPAddressPool>10.0.99.0/24</IPAddressPool>
    <PeerUnitName>4096</PeerUnitName>
  </PWStitching>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA>
      <DeviceName>jaipur</DeviceName>
      <DeviceID>2195618</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/0/3</InterfaceName>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<Reference>
  <Customer key="1081493" />
  <ServiceDefinition>
    <ServiceDefinitionID key="950272" />
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="ServiceOrderCustomActionType">
  <Action>SaveAndDeployNow</Action>
</CustomAction>

</Data>

```

Input (With Redundancy)

Sample XML Input

```

    <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>Stitch-PTP3</Name>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junos-m10-1-space</DeviceName>
            <DeviceID>2195593</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>lt-1/0/0</InterfaceName>
        </ServiceEndPoint>
        <BackUpSettings>
          <Enable>true</Enable>
          <DeviceInfo>
            <NA>
              <DeviceName>junos-mx480-space</DeviceName>
              <DeviceID>5341242</DeviceID>
            </NA>
          </DeviceInfo>
          <ServiceEndPoint>
            <InterfaceName>ge-5/0/3</InterfaceName>
            <ServiceEndpointConfiguration
              xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
              xsi:type="PTPElineLDP endPointConfigParameterOrderType">
              <EndPointCategory>PTP</EndPointCategory>
              <MTU>1522</MTU>
              <Bandwidth unit="Mbps">10</Bandwidth>
              <RevertTime>55</RevertTime>
              <SwitchOverDelay>11</SwitchOverDelay>
            </ServiceEndpointConfiguration>
          </ServiceEndPoint>
        </BackUpSettings>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>
</Data>

```

```

    <PWStitching>
      <AutopickIntfIp>true</AutopickIntfIp>
      <L3RoutingInstName>FMOSPF-L3VPN</L3RoutingInstName>
      <IPBlockSize>30</IPBlockSize>
      <IPAddressPool>10.0.99.0/24</IPAddressPool>
      <PeerUnitName>4096</PeerUnitName>
    </PWStitching>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA>
        <DeviceName>jaipur</DeviceName>
        <DeviceID>2195618</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-0/0/3</InterfaceName>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <Reference>
    <Customer key="1081493" />
    <ServiceDefinition>
      <ServiceDefinitionID key="950272" />
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="ServiceOrderCustomActionType">
  <Action>SaveAndDeployNow</Action>
</CustomAction>

</Data>

```

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>6553609</Value>
    </Identity>
    <Job>
      <ID>1998898</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service Order Created Successfully and Deployment is in
      Progress. Please check the status using the JOB ID.</Message>
    </Status>
  </Data>
```

Get an IP Service Order with VRF Route Label By Order ID

This request is used to retrieve the details of a particular IP service order with VRF route label, based on the service order ID.

| | |
|-------------|---|
| URI | /api/space/nsas/l3vpn/service-management/service-orders/ <serviceOrderId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-order+xml |
| Produces | Collects the details of a specific IP LDP service order configured with VRF route label. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3VPNAPI</Name>

      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>embassy</DeviceName>
            <DeviceID>721075</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/0/9</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
            <RoutingProtocol>OSPF</RoutingProtocol>
            <EthernetOption>Vlan</EthernetOption>
            <UnitID>0</UnitID>
            <InterfaceIP>10.0.77.1</InterfaceIP>
            <OSPFAreaId>0.0.0.0</OSPFAreaId>
            <OSPFVersion>Ver 2</OSPFVersion>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
      <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

        xsi:type="L3VPNConfigParameterOrderType">
        <RouteTarget>100:7</RouteTarget>
        <RouteDistinguisher>100:34</RouteDistinguisher>
        <VRFTabelLabel>Enable</VRFTabelLabel>
      </ServiceOrderParameter>
      <Reference>
        <Customer key="720896"/>
        <ServiceDefinition>
          <ServiceDefinitionID key="1441826"/>
        </ServiceDefinition>
      </Reference>
    </ServiceOrder>
  </ServiceResource>
</Data>

```

```
</ServiceOrder>
</ServiceResource>
</Data>
```

Create an IP Service Order with VRF Route Label

This request is used to create an IP service order with VRF route label.

| | |
|--------------|---|
| URI | /api/space/nsas/l3vpn/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml |
| Produces | Creates an IP service order with VRF route label. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3VPNFMOspfService_API6</Name>
        <Comments></Comments>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>kochin</DeviceName>
            <DeviceID>393340</DeviceID>
```

```

    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-1/1/6</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
      <EthernetOption>VLAN</EthernetOption>

      <IPPool>Global</IPPool>
      <IPAddressPool>10.0.99.0/24</IPAddressPool>
      <AutoPickVlanId>true</AutoPickVlanId>
      <UnitID>12</UnitID>
      <OSPFAreaId>0.0.0.0</OSPFAreaId>
      <OSPFVersion>Ver 2</OSPFVersion>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="L3VPNConfigParameterOrderType">
  <RouteTarget>10:4465465</RouteTarget>
  <RouteDistinguisher>10:4465</RouteDistinguisher>
  <VRFTabelLabel>Enable</VRFTabelLabel>
</ServiceOrderParameter>
<Reference>
  <Customer key="393216" />
  <ServiceDefinition>
    <ServiceDefinitionID key="1638400" />
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
      <Identity>
        <Type>ServiceOrder</Type>
        <Value>1638453</Value>
      </Identity>
      <Job>
        <ID>524317</ID>
        <Status>INPROGRESS</Status>
      </Job>
      <Code>200</Code>
      <Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
    </Status>
  </Data>
```

Get an IP Service Order with Manual Route Target By Order ID

This request is used to retrieve the details of a particular IP service order with manual route target based on the service order ID.

| | |
|-------------|--|
| URI | /api/space/nsas/l3vpn/service-management/service-orders/ <serviceOrderId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-order+xml |
| Produces | Collects the details of a specific IP service order with manual route target. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
      <ServiceOrder
href="/api/space/nsas/l3vpn/service-management/service-orders/1605699"
uri="/api/space/nsas/l3vpn/service-management/service-orders/1605699"
key="1605699">
        <Common>
          <Name>RDRTManual</Name>
          <Identity>1605699</Identity>
          <State>Completed</State>
          <Comments>
          </Comments>
          <CreatedDate>2012-12-16T19:56:30.000+05:30</CreatedDate>
          <LastUpdatedDate>2012-12-16T19:56:54.000+05:30</LastUpdatedDate>
          <CreatedBy>super</CreatedBy>
        </Common>
        <ServiceType>l3vpn</ServiceType>
        <Action>Provisioning</Action>
        <ServiceEndPointGroup>
          <DeviceInfo>
            <NA href="/api/space/nsas/device-roles/pe-devices/721075"
uri="/api/space/nsas/device-roles/pe-devices/721075" key="721075">
              <DeviceName>embassy</DeviceName>
              <DeviceID>721075</DeviceID>
            </NA>
          </DeviceInfo>
          <ServiceEndPoint>
            <InterfaceName>ge-1/0/9</InterfaceName>
            <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
              <RoutingProtocol>OSPF</RoutingProtocol>
              <EthernetOption>Vlan</EthernetOption>
              <VlanId>3</VlanId>
              <UnitID>0</UnitID>
              <InterfaceIP>10.0.77.5</InterfaceIP>
              <OSPFAreaId>0.0.0.0</OSPFAreaId>
              <OSPFVersion>Ver 2</OSPFVersion>
            </ServiceEndpointConfiguration>
          </ServiceEndPoint>
        </ServiceEndPointGroup>

```

```
<ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNConfigParameterOrderType">
  <RouteTarget>10:2</RouteTarget>
  <RouteDistinguisher>10:2</RouteDistinguisher>
  <VRFTabelLabel>Enabled</VRFTabelLabel>
</ServiceOrderParameter>
<Reference>
  <Customer key="720896"
href="/api/space/nsas/customer-management/customers/720896"
uri="/api/space/nsas/customer-management/customers/720896"/>
  <ServiceDefinition>
    <ServiceDefinitionID key="1605682"
href="/api/space/nsas/l3vpn/service-management/service-definitions/1605682"
uri="/api/space/nsas/l3vpn/service-management/service-definitions/1605682"/>

  </ServiceDefinition>
  <Service key="1605706"
href="/api/space/nsas/l3vpn/service-management/services/1605706"
uri="/api/space/nsas/l3vpn/service-management/services/1605706"/>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Create an IP Service Order with Manual Route Target

This request is used to create an IP service order configured with manual route target.

| | |
|--------------|---|
| URI | /api/space/nsas/l3vpn/service-management/service-orders/redundancy |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |

Produces

Creates an IP service order with manual route target.

Input**Sample XML Input**

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3VPNFMOSPFService_API6</Name>
        <Comments></Comments>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>kochin</DeviceName>
            <DeviceID>393340</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/1/6</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
            <EthernetOption>VLAN</EthernetOption>

            <IPPool>Global</IPPool>
            <IPAddressPool>10.0.99.0/24</IPAddressPool>
            <AutoPickVlanId>true</AutoPickVlanId>
            <UnitID>12</UnitID>
            <OSPFAreaId>0.0.0.0</OSPFAreaId>
            <OSPFVersion>Ver 2</OSPFVersion>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
      <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="L3VPNConfigParameterOrderType">
        <RouteTarget>10:4465465</RouteTarget>
        <RouteDistinguisher>10:4465</RouteDistinguisher>
        <VRFTabelLabel>Enable</VRFTabelLabel>
      </ServiceOrderParameter>
    </ServiceOrder>
  </ServiceResource>
</Data>

```

```

    </ServiceOrderParameter>
    <Reference>
      <Customer key="393216" />
      <ServiceDefinition>
        <ServiceDefinitionID key="1638400" />
      </ServiceDefinition>
    </Reference>
  </ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
      <Identity>
        <Type>ServiceOrder</Type>
        <Value>1638453</Value>
      </Identity>
      <Job>
        <ID>524317</ID>
        <Status>INPROGRESS</Status>
      </Job>
      <Code>200</Code>
      <Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
    </Status>
  </Data>

```

Get All IP Service Orders

This request is used to retrieve all the configured IP service orders.

URI

/api/space/nsas/l3vpn/service-management/service-orders

| | |
|-------------|---|
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-orders+xml |
| Produces | Collects all the configured IP service orders. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="2">
    <ServiceOrder
      href="/api/space/nsas/l3vpn/service-management/service-orders/983419"
      uri="/api/space/nsas/l3vpn/service-management/service-orders/983419"
      key="983419">
      <Common>
        <Name>L3VPNHSOSPFService0017</Name>
        <Identity>983419</Identity>
        <State>Completed</State>
        <CreatedDate>2012-09-08T15:09:35.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-09-08T15:10:05.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <Action>Modification</Action>
      <Reference>
        <Customer key="557278"
          href="/api/space/nsas/customer-management/customers/557278"
          uri="/api/space/nsas/customer-management/customers/557278" />
        <ServiceDefinition>
          <ServiceDefinitionID key="360474"

href="/api/space/nsas/l3vpn/service-management/service-definitions/360474"
          uri="/api/space/nsas/l3vpn/service-management/service-definitions/360474"
        />
        </ServiceDefinition>
        <Service key="983303"
          href="/api/space/nsas/l3vpn/service-management/services/983303"
          uri="/api/space/nsas/l3vpn/service-management/services/983303" />
      </Reference>
    </ServiceOrder>
  </ServiceResource>
</Data>
```

```

    </ServiceOrder>
    <ServiceOrder
      href="/api/space/nsas/l3vpn/service-management/service-orders/983367"
      uri="/api/space/nsas/l3vpn/service-management/service-orders/983367"
      key="983367">
      <Common>
        <Name>L3VPNHSOSPFService0016</Name>
        <Identity>983367</Identity>
        <State>Completed</State>
        <CreatedDate>2012-09-08T14:44:31.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-09-08T14:44:59.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <Action>Modification</Action>
      <Reference>
        <Customer key="557278"
          href="/api/space/nsas/customer-management/customers/557278"
          uri="/api/space/nsas/customer-management/customers/557278" />
        <ServiceDefinition>
          <ServiceDefinitionID key="360474"

href="/api/space/nsas/l3vpn/service-management/service-definitions/360474"
          uri="/api/space/nsas/l3vpn/service-management/service-definitions/360474"
        />
        </ServiceDefinition>
        <Service key="983303"
          href="/api/space/nsas/l3vpn/service-management/services/983303"
          uri="/api/space/nsas/l3vpn/service-management/services/983303" />
        </Reference>
      </ServiceOrder>
    </ServiceResource>
  </Data>

```

Get All IP Service Orders By Customer ID or Name

This request is used to retrieve all the configured IP service orders based on customer name or customer ID.

| | |
|-------------|---|
| URI | /api/space/nsas/l3vpn/service-management/service-orders? customerId=1048781 /api/space/nsas/l3vpn/service-management/service-orders? customerName=Customer_001 |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-orders+xml;version=2 |
| Produces | Collects all the configured IP service orders based on the customer name or ID. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="2">
    <ServiceOrder
      href="/api/space/nsas/l3vpn/service-management/service-orders/983419"
      uri="/api/space/nsas/l3vpn/service-management/service-orders/983419"
      key="983419">
      <Common>
        <Name>L3VPNHSOSPFService0017</Name>
        <Identity>983419</Identity>
        <State>Completed</State>
        <CreatedDate>2012-09-08T15:09:35.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-09-08T15:10:05.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <Action>Modification</Action>
      <Reference>
        <Customer key="557278"
          href="/api/space/nsas/customer-management/customers/557278"
          uri="/api/space/nsas/customer-management/customers/557278" />
      </Reference>
    </ServiceOrder>
  </ServiceResource>
</Data>
```

```

    <ServiceDefinition>
      <ServiceDefinitionID key="360474"

href="/api/space/nsas/l3vpn/service-management/service-definitions/360474"
      uri="/api/space/nsas/l3vpn/service-management/service-definitions/360474"
    />
  </ServiceDefinition>
  <Service key="983303"
    href="/api/space/nsas/l3vpn/service-management/services/983303"
uri="/api/space/nsas/l3vpn/service-management/services/983303" />
  </Reference>
</ServiceOrder>
<ServiceOrder
  href="/api/space/nsas/l3vpn/service-management/service-orders/983367"
uri="/api/space/nsas/l3vpn/service-management/service-orders/983367"
  key="983367">
  <Common>
    <Name>L3VPNHSOSPFService0016</Name>
    <Identity>983367</Identity>
    <State>Completed</State>
    <CreatedDate>2012-09-08T14:44:31.000+05:30</CreatedDate>
    <LastUpdatedDate>2012-09-08T14:44:59.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <Action>Modification</Action>
  <Reference>
    <Customer key="557278"
      href="/api/space/nsas/customer-management/customers/557278"
uri="/api/space/nsas/customer-management/customers/557278" />
    <ServiceDefinition>
      <ServiceDefinitionID key="360474"

href="/api/space/nsas/l3vpn/service-management/service-definitions/360474"
      uri="/api/space/nsas/l3vpn/service-management/service-definitions/360474"
    />
  </ServiceDefinition>
  <Service key="983303"
    href="/api/space/nsas/l3vpn/service-management/services/983303"
uri="/api/space/nsas/l3vpn/service-management/services/983303" />
  </Reference>
</ServiceOrder>
</ServiceResource>

```

</Data>

Get All IP Service Orders with Pagination, Search, and Filter

This request is used to retrieve all the configured IP service orders with pagination, and to filter the results based on the search criteria

| | |
|-------------|--|
| URI | /api/space/nsas/l3vpn/service-management/service-orders ?sortorder=asc&sortedby=Name&filteredby="Name::decomm" |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-orders+xml;version=2 |
| Produces | Collects all the configured IP service orders with pagination applied, and with a filtered result-set that matches the search criteria |

NOTE: For service orders, you can sort with “sortedby=CreatedDate” and “sortedby=State”.

For Start and Limit attributes, you can provide integer values based on your requirement to sort and filter the API output. Sortorder can be “asc” and “desc”. The SortedBy attribute differs based on the APIs. For service orders, the SortedBy option can be “CtreatedDate”, “State”. For services, the SortedBy option can be “Name”, “LastModifiedDate”. The FilteredBy attribute differs based on the APIs. For service orders, the FilteredBy option can be “Name” and “State”. For services, the FilteredBy option can be “Name”.

If you enter “paging=(starteq 2, limit eq 3)”, which is not a single integer value, the display is according to index of records. In this case, it shows from the first indexed record to the third indexed record. If you enter "start=2&limit=3", it starts from the second record and displays the next three records in all.

You can specify multiple key:value pairs with the FilteredBy attribute. For example, to get service orders, you can use Get ServiceOrders with Name and State as “filteredby=Name::L3VPN@@State::Invalid”. Similarly, to get service orders, you can use with Name OR state “filteredby=Name::L3VPN!! State::Invalid”.

Output

Sample XML Output

```

    <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource size="2">
      <ServiceOrder
        href="/api/space/nsas/l3vpn/service-management/service-orders/983419"
        uri="/api/space/nsas/l3vpn/service-management/service-orders/983419"
        key="983419">
        <Common>
          <Name>L3VPNHSOSPFService0017</Name>
          <Identity>983419</Identity>
          <State>Completed</State>
          <CreatedDate>2012-09-08T15:09:35.000+05:30</CreatedDate>
          <LastUpdatedDate>2012-09-08T15:10:05.000+05:30</LastUpdatedDate>
          <CreatedBy>super</CreatedBy>
        </Common>
        <Action>Modification</Action>
        <Reference>
          <Customer key="557278"
            href="/api/space/nsas/customer-management/customers/557278"
            uri="/api/space/nsas/customer-management/customers/557278" />
          <ServiceDefinition>
            <ServiceDefinitionID key="360474"
              href="/api/space/nsas/l3vpn/service-management/service-definitions/360474"
              uri="/api/space/nsas/l3vpn/service-management/service-definitions/360474"
              />
            </ServiceDefinition>
          <Service key="983303"
            href="/api/space/nsas/l3vpn/service-management/services/983303"
            uri="/api/space/nsas/l3vpn/service-management/services/983303" />
          </Reference>
        </ServiceOrder>
        <ServiceOrder
          href="/api/space/nsas/l3vpn/service-management/service-orders/983367"
          uri="/api/space/nsas/l3vpn/service-management/service-orders/983367"
          key="983367">
          <Common>
            <Name>L3VPNHSOSPFService0016</Name>
            <Identity>983367</Identity>

```

```

    <State>Completed</State>
    <CreateDate>2012-09-08T14:44:31.000+05:30</CreateDate>
    <LastUpdatedDate>2012-09-08T14:44:59.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <Action>Modification</Action>
  <Reference>
    <Customer key="557278"
      href="/api/space/nsas/customer-management/customers/557278"
uri="/api/space/nsas/customer-management/customers/557278" />
    <ServiceDefinition>
      <ServiceDefinitionID key="360474"

href="/api/space/nsas/l3vpn/service-management/service-definitions/360474"
      uri="/api/space/nsas/l3vpn/service-management/service-definitions/360474"
    />
    </ServiceDefinition>
    <Service key="983303"
      href="/api/space/nsas/l3vpn/service-management/services/983303"
uri="/api/space/nsas/l3vpn/service-management/services/983303" />
    </Reference>
  </ServiceOrder>
</ServiceResource>
</Data>

```

Get an IP Service Order By Order ID

This request is used to retrieve the details of a particular IP service order based on the service order ID.

| | |
|-------------|--|
| URI | /api/space/nsas/l3vpn/service-management/service-orders/ <serviceOrderId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-order+xml application/vnd.net.juniper.space.service-management. service-order+xml;version=2 |
| Produces | Collects the details of a specific IP service order. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/l3vpn/service-management/service-orders/983419"
      uri="/api/space/nsas/l3vpn/service-management/service-orders/983419"
      key="983419">
      <Common>
        <Name>L3VPNHSOSPFService0017</Name>
        <Identity>983419</Identity>
        <State>Completed</State>
        <Comments></Comments>
        <CreatedDate>2012-09-08T15:09:35.000+05:30</CreatedDate>
        <LastUpdatedDate>2012-09-08T15:10:05.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <Action>Modification</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/device-roles/pe-devices/557219"
            uri="/api/space/nsas/device-roles/pe-devices/557219"
            key="557219">
            <DeviceName>junos-m10-2-space</DeviceName>
            <DeviceID>557219</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/3/0</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="L3VPNHSOSPFEndPointConfigParameterOrderType">
            <RoutingProtocol>OSPF</RoutingProtocol>
            <EthernetOption>Vlan</EthernetOption>
            <VlanId>695</VlanId>
            <UnitID>0</UnitID>
            <InterfaceIP>10.0.77.9</InterfaceIP>
            <Hub>false</Hub>
            <OSPFAreaId>0.3.0.4</OSPFAreaId>
            <OSPFVersion>Ver 2</OSPFVersion>
```

```

        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA href="/api/space/nsas/device-roles/pe-devices/557109"
uri="/api/space/nsas/device-roles/pe-devices/557109"
        key="557109">
            <DeviceName>exora</DeviceName>
            <DeviceID>557109</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/1/1</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNHSOSPFEndPointConfigParameterOrderType">
            <RoutingProtocol>OSPF</RoutingProtocol>
            <EthernetOption>Vlan</EthernetOption>
            <VlanId>695</VlanId>
            <UnitID>0</UnitID>
            <InterfaceIP>10.0.88.21</InterfaceIP>
            <Hub>false</Hub>
            <OSPFAreaId>0.2.0.3</OSPFAreaId>
            <OSPFVersion>Ver 2</OSPFVersion>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:type="L3VPNConfigParameterOrderType">
    <VRFTabelLabel>Enabled</VRFTabelLabel>
    <HubRouteTarget>100:6</HubRouteTarget>
    <SpokeRouteTarget>100:7</SpokeRouteTarget>
</ServiceOrderParameter>
<Reference>
    <Customer key="557278"
        href="/api/space/nsas/customer-management/customers/557278"
uri="/api/space/nsas/customer-management/customers/557278" />
    <ServiceDefinition>
        <ServiceDefinitionID key="360474"

```

```
href="/api/space/nsas/l3vpn/service-management/service-definitions/360474"
  uri="/api/space/nsas/l3vpn/service-management/service-definitions/360474"
/>
</ServiceDefinition>
<Service key="983303"
  href="/api/space/nsas/l3vpn/service-management/services/983303"
uri="/api/space/nsas/l3vpn/service-management/services/983303" />
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Get an IP Service Order By Order ID (Version 2)

This request is used to retrieve the details of a particular IP service order based on the service order ID.

| | |
|-------------|---|
| URI | /api/space/nsas/l3vpn/service-management/service-orders/ <serviceOrderId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-order+xml;version=2; |
| Produces | Collects the details of a specific IP LDP service order. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder key="1278025"
      uri="/api/space/nsas/l3vpn/service-management/service-orders/1278025"
      href="/api/space/nsas/l3vpn/service-management/service-orders/1278025">
      <Common>
```

```

<Name>L3UnitTestAPI</Name>
<Identity>1278025</Identity>
<State>Validated</State>
<CreatedDate>2014-07-09T11:06:18.000+05:30</CreatedDate>
<LastUpdatedDate>2014-07-09T11:06:18.000+05:30</LastUpdatedDate>
<CreatedBy>super</CreatedBy>
</Common>
<ServiceType>l3vpn</ServiceType>
<EnableMVPN>>false</EnableMVPN>
<Action>Provisioning</Action>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="786447" uri="/api/space/nsas/device-roles/pe-devices/786447"
      href="/api/space/nsas/device-roles/pe-devices/786447">
      <DeviceName>junos-mx240-space</DeviceName>
      <DeviceID>786447</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/0/9</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="L3VPNFMGBPEndPointConfigParameterOrderType">
      <UNIDescription>A-End</UNIDescription>
      <RoutingProtocol>BGP</RoutingProtocol>
      <EthernetOption>DOT1Q</EthernetOption>
      <UnitID>17</UnitID>
      <VlanId>1</VlanId>
      <InterfaceIP>10.0.88.1</InterfaceIP>
      <RouteDistinguisher>69:2147467282</RouteDistinguisher>
      <PeerAS>1</PeerAS>
      <NeighborIP>10.0.88.2</NeighborIP>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="786568" uri="/api/space/nsas/device-roles/pe-devices/786568"
      href="/api/space/nsas/device-roles/pe-devices/786568">
      <DeviceName>junos-mx80-1-space</DeviceName>
      <DeviceID>786568</DeviceID>

```

```

        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-1/1/0</InterfaceName>
        <InterfaceIndex>522</InterfaceIndex>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="L3VPNFMBGPEndPointConfigParameterOrderType">
            <UNIDescription>Z-End</UNIDescription>
            <RoutingProtocol>BGP</RoutingProtocol>
            <EthernetOption>QinQ</EthernetOption>
            <UnitID>19</UnitID>
            <VlanId>1</VlanId>
            <InterfaceIP>10.0.99.1</InterfaceIP>
            <CustomerVlanType>Transport single vlan</CustomerVlanType>
            <CustomerVlan>56</CustomerVlan>
            <OuterTPID>0x88a8</OuterTPID>
            <InnerTPID>0x88a8</InnerTPID>
            <RouteDistinguisher>69:2147467293</RouteDistinguisher>
            <PeerAS>1</PeerAS>
            <NeighborIP>10.0.99.2</NeighborIP>
        </ServiceEndpointConfiguration>
        <ServiceTemplates />
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

    xsi:type="L3VPNConfigParameterOrderType">
    <RouteTarget>69:1454096400</RouteTarget>
    <VRFTabelLabel>true</VRFTabelLabel>
    <ASOverride>true</ASOverride>
    <MaximumPrefixes>0</MaximumPrefixes>
</ServiceOrderParameter>
<Reference>
    <Customer uri="/api/space/nsas/customer-management/customers/557118"
        href="/api/space/nsas/customer-management/customers/557118" key="557118"
    />
</ServiceDefinition>
    <ServiceDefinitionID
        uri="/api/space/nsas/l3vpn/service-management/service-definitions/425984"

```

```

href="/api/space/nsas/l3vpn/service-management/service-definitions/425984"
  key="425984" />
</ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Create an IP Service Order (Version 1)

This request is used to create an IP service order.

| | |
|--------------|--|
| URI | /api/space/nsas/l3vpn/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-order+xml |
| Consumes | <p>application/vnd.net.juniper.space.service-management. service-order-status+xml</p> <p>Creating a service order with Ethernet option ?Flexible UNI? requires a service template to be associated for providing VlanID input. The sample with service template is listed separately under the header Service Template.</p> <p>For the various options in creating ServiceOrder the options must be specified in the Action Element inside OperationSpecificData. The following values can be entered:</p> <ul style="list-style-type: none"> ● Save (Create and only Save a SO) ● SaveAndValidate (Create, Save, and Validate a SO) Default value when no Custom action is specified. ● SaveAndDeployNow (Create, Save, and Deploy a SO) ● SaveAndDeployLater (Create, Save, and Deploy Later a SO) |
| Produces | Creates an IP service order. |

Input (Full-Mesh BGP)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3VPNFMBGPService_API6</Name>
        <Comments>test</Comments>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>mx801</DeviceName>
            <DeviceID>753805</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName> ge-1/2/9 </InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="L3VPNFMBGPEndPointConfigParameterOrderType">
            <EthernetOption>VLAN</EthernetOption>
            <InterfaceIP AutoPick="false">10.0.77.90</InterfaceIP>
            <IPBlockSize>32</IPBlockSize>
            <PeerAS>23</PeerAS>
            <NeighborIP>10.0.77.75</NeighborIP>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceOrder>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <NA>
          <DeviceName>junos-space1</DeviceName>
          <DeviceID>753850</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-1/2/9</InterfaceName>
        <ServiceEndpointConfiguration
          xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
          xsi:type="L3VPNFMBGPEndPointConfigParameterOrderType">
```

```

    <EthernetOption>VLAN</EthernetOption>
    <AutoPickVlanID>true</AutoPickVlanID>
    <InterfaceIP AutoPick="true" />
    <IPAddressPool>10.0.88.0/24</IPAddressPool>
    <PeerAS>23</PeerAS>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="L3VPNConfigParameterOrderType">
  <ASOverride>true</ASOverride>
  <MaximumPrefixes>56</MaximumPrefixes>
</ServiceOrderParameter>
<Reference>
  <Customer key="754039" />
  <ServiceDefinition>
    <ServiceDefinitionID key="688128" />
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="ServiceOrderCustomActionType">
  <Action>Save</Action>
</CustomAction>
</Data>

```

Input (Full-Mesh OSPF)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3VPNFMOspfService_API3</Name>
        <Comments>afdsf</Comments>
      </Common>
    </ServiceOrder>
  </ServiceResource>
</Data>

```

```

<ServiceEndPointGroup>
  <DeviceInfo>
    <NA>
      <DeviceName>kochin</DeviceName>
      <DeviceID>557101</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/0/2</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
      <EthernetOption>Flexible UNI</EthernetOption>

      <InterfaceIP AutoPick="true" />
      <IPAddressPool>10.0.99.0/24</IPAddressPool>
      <IPBlockSize>32</IPBlockSize>
      <UnitID>12</UnitID>
      <OSPFAreaId>0.0.0.0</OSPFAreaId>
      <OSPFVersion>Ver 2</OSPFVersion>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA>
      <DeviceName>junos-spacel</DeviceName>
      <DeviceID>557247</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/1</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
      <EthernetOption>VLAN</EthernetOption>
      <AutoPickVlanID>true</AutoPickVlanID>
      <InterfaceIP AutoPick="true" />
      <IPAddressPool>10.0.88.0/24</IPAddressPool>
      <OSPFAreaId>1.1.1.2</OSPFAreaId>
      <OSPFVersion>Ver 3</OSPFVersion>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>

```

```

        </ServiceEndPoint>
    </ServiceEndPointGroup>
    <Reference>
        <Customer key="557262" />
        <ServiceDefinition>
            <ServiceDefinitionID key="360461" />
        </ServiceDefinition>
    </Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndDeployNow</Action>
</CustomAction>
</Data>

```

Input (Hub-and-Spoke BGP)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
        <ServiceOrder>
            <Common>
                <Name>L3VPNFMBGPService_API6</Name>
                <Comments>test</Comments>
            </Common>
        <ServiceEndPointGroup>
            <DeviceInfo>
                <NA>
                    <DeviceName>mx801</DeviceName>
                    <DeviceID>753805</DeviceID>
                </NA>
            </DeviceInfo>
        <ServiceEndPoint>
            <InterfaceName> ge-1/2/9 </InterfaceName>
            <ServiceEndpointConfiguration
                xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
                xsi:type="L3VPNFMBGPEndpointConfigParameterOrderType">

```

```

    <EthernetOption>VLAN</EthernetOption>
    <InterfaceIP AutoPick="false">10.0.77.90</InterfaceIP>
    <IPBlockSize>32</IPBlockSize>
    <PeerAS>23</PeerAS>
    <NeighborIP>10.0.77.75</NeighborIP>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA>
      <DeviceName>junos-spacel</DeviceName>
      <DeviceID>753850</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-1/2/9</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMbgpEndPointConfigParameterOrderType">
      <EthernetOption>VLAN</EthernetOption>
      <AutoPickVlanID>true</AutoPickVlanID>
      <InterfaceIP AutoPick="true" />
      <IPAddressPool>10.0.88.0/24</IPAddressPool>
      <PeerAS>23</PeerAS>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="L3VPNConfigParameterOrderType">
    <ASOverride>true</ASOverride>
    <MaximumPrefixes>56</MaximumPrefixes>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="754039" />
    <ServiceDefinition>
      <ServiceDefinitionID key="688128" />
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>

```

```

<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="ServiceOrderCustomActionType">
  <Action>Save</Action>
</CustomAction>
</Data>

```

Input (Hub-and-Spoke OSPF)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3VPNHSOSPFService_API6</Name>
        <Comments>afdsf</Comments>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>kochin</DeviceName>
            <DeviceID>1475014</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>fe-0/1/2</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="L3VPNHSOSPFEndPointConfigParameterOrderType">
            <EthernetOption>Flexible UNI</EthernetOption>
            <Hub>true</Hub>
            <InterfaceIP AutoPick="false">10.0.88.93</InterfaceIP>
            <IPBlockSize>32</IPBlockSize>
            <UnitID>12</UnitID>
            <OSPFAreaId>0.0.0.0</OSPFAreaId>
            <OSPFVersion>Ver 2</OSPFVersion>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>
</Data>

```

```

<ServiceEndPointGroup>
  <DeviceInfo>
    <NA>
      <DeviceName>junos-spacel</DeviceName>
      <DeviceID>1474976</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>fe-0/1/1</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="L3VPNHSOSPFEndPointConfigParameterOrderType">
      <EthernetOption>VLAN</EthernetOption>
      <Hub>false</Hub>
      <InterfaceIP AutoPick="true" />
      <IPAddressPool>10.0.88.0/24</IPAddressPool>
      <OSPFAreaId>1.1.1.1</OSPFAreaId>
      <OSPFVersion>Ver 3</OSPFVersion>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<Reference>
  <Customer key="1474923" />
  <ServiceDefinition>
    <ServiceDefinitionID key="1409050" />
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="ServiceOrderCustomActionType">
  <Action>SaveAndDeployNow</Action>
</CustomAction>
</Data>

```

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>1507439</Value>
    </Identity>
    <Job>
      <ID>622660</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service Order Created Successfully and Deployment is in
      Progress. Please check the status using the JOB ID.</Message>
    </Status>
  </Data>
```

Create an IP Service Order (Version 2)

This request is used to create an IP service order.

| | |
|--------------|--|
| URI | /api/space/nsas/l3vpn/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-order+xml;version=2;charset=UTF-8 |

| | |
|----------|---|
| Consumes | <p>application/vnd.net.juniper.space.service-management.service-order-status+xml;version=2</p> <p>For the various options in creating ServiceOrder the options must be specified in the Action Element inside OperationSpecificData. The following values can be entered:</p> <ul style="list-style-type: none"> • Save (Create and only Save a SO) • SaveAndValidate (Create, Save, and Validate a SO) Default value when no Custom action is specified. • SaveAndDeployNow (Create, Save, and Deploy a SO) • SaveAndDeployLater (Create, Save, and Deploy Later a SO) |
| Produces | Creates an IP service order. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3UnitTestAPI</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="786447" uri="/api/space/nsas/device-roles/pe-devices/786447"
            href="/api/space/nsas/device-roles/pe-devices/786447">
            <DeviceName>junos-mx240-space</DeviceName>
            <DeviceID>786447</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/9</InterfaceName>
          <InterfaceIndex>525</InterfaceIndex>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="L3VPNFMBGPPEndPointConfigParameterOrderType">
            <UNIDescription>A-End</UNIDescription>
```

```

    <EthernetOption>Dot1Q</EthernetOption>
    <AutoPickUnitID>>false</AutoPickUnitID>
    <UnitID>17</UnitID>
    <AutoPickVlanID>>false</AutoPickVlanID>
    <VlanId>11</VlanId>
    <InterfaceIP AutoPick="true" />
    <IPAddressPool>10.0.99.0/24</IPAddressPool>
    <PeerAS>1</PeerAS>
  </ServiceEndpointConfiguration>
  <ServiceTemplates />
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="786568" uri="/api/space/nsas/device-roles/pe-devices/786568"
      href="/api/space/nsas/device-roles/pe-devices/786568">
    <DeviceName>junos-mx80-1-space</DeviceName>
    <DeviceID>786568</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-1/1/0</InterfaceName>
    <InterfaceIndex>522</InterfaceIndex>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="L3VPNFMGBGPEndPointConfigParameterOrderType">
    <UNIDescription>B-End</UNIDescription>
    <EthernetOption>QinQ</EthernetOption>
    <AutoPickUnitID>>false</AutoPickUnitID>
    <UnitID>19</UnitID>
    <AutoPickVlanID>>false</AutoPickVlanID>
    <VlanId>13</VlanId>
    <InterfaceIP AutoPick="true" />
    <IPAddressPool>10.0.99.0/24</IPAddressPool>
    <CustomerVlanType>Transport single vlan</CustomerVlanType>
    <CustomerVlan>56</CustomerVlan>
    <OuterTPID>0x88a8</OuterTPID>
    <InnerTPID>0x9100</InnerTPID>
    <PeerAS>1</PeerAS>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>

```

```

<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="L3VPNConfigParameterOrderType">
    <ASOverride>true</ASOverride>
    <MaximumPrefixes>1</MaximumPrefixes>
  </ServiceOrderParameter>
  <Reference>
    <Customer uri="/api/space/nsas/customer-management/customers/557118"
      href="/api/space/nsas/customer-management/customers/557118" key="557118"
    />
    <ServiceDefinition>
      <ServiceDefinitionID
        uri="/api/space/nsas/l3vpn/service-management/service-definitions/425984"

href="/api/space/nsas/l3vpn/service-management/service-definitions/425984"
        key="425984" />
      </ServiceDefinition>
    </Reference>
  </ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>393698</Value>
    </Identity>
    <Job>
      <ID>131165</ID>

```

```
<Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Deploy, Validate, and Partially-Delete an IP Service Order

This request is used to deploy, validate, or partially delete a previously created IP service order.

| | |
|--------------|---|
| URI | api/space/nsas/l3vpn/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml |
| Consumes | <div>application/vnd.net.juniper.space.service-management.service-order-status+xml</div> <div>The options must be specified in the Action Element inside OperationSpecificData. The various options are as follows:</div> <ul style="list-style-type: none">• DeployNow (Deploy an already created SO)• DeployLater (Deploy Later an already created SO)• ValidateNow (Validate now an already created SO)• ValidateLater (Validate later an already created SO)• PartialDeleteNow (Delete the partially created configuration now)• PartialDeleteLater (Delete the partially created configuration Later) |
| Produces | Deploys, validates or, partially-deletes a previously created IP service order. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="ServiceOrderCustomActionType">
    <Action>DeployNow</Action>

  <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
  </CustomAction>
</Data>
```

Output

Sample XML Output

Delete an IP Service Order

This request is used to delete a previously configured IP service order.

| | |
|-------------|---|
| URI | /api/space/nsas/l3vpn/service-management/service-orders/ <serviceOrder-id> |
| HTTP Method | DELETE |
| Consumes | application/vnd.net.juniper.space.service-management. service-order+xml |
| Produces | Deletes an IP service order. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
  <Identity>
```

```
<Type>ServiceOrder</Type>
<Value>6553600</Value>
</Identity>
<Code>200</Code>
<Message>Service order Deleted Successfully.</Message>
</Status>
</Data>
```

View the Pending Configuration of an IP Service Order

This request is used to view the details of an IP service order that are pending to be applied to a device.

| | |
|-------------|--|
| URI | /api/space/nsas/l3vpn/service-management/service-orders/ view-pendingorderconfiguration/<serviceOrder-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. pendingorder-config+xml |
| Produces | Displays the configuration details of a service order pending to be applied to a device. |

Output

Sample XML Output

```
<Data
  xmlns="services.schema.networkapi.jmp.juniper.net">
  <PendingOrderConfiguration>
    <PendingOrderConfigDeviceEnd>
      <DeviceName>embassy</DeviceName>
      <Configuration>
        <configuration>
          <routing-options>
            <auto-export/>
          </routing-options>
```

```

<interfaces>
  <interface>
    <name>ge-1/0/1</name>
    <flexible-vlan-tagging/>
    <unit>
      <name>1</name>
      <vlan-id>1</vlan-id>
      <family>
        <inet>
          <address>
            <name>10.0.88.1/30</name>
          </address>
        </inet>
        <inet6/>
      </family>
    </unit>
  </interface>
</interfaces>
<policy-options>
  <policy-statement>
    <name>l3_test_spoke_bgp2ospf_pol</name>
    <term>
      <name>a</name>
      <from>
        <protocol>bgp</protocol>
      </from>
      <then>
        <accept/>
      </then>
    </term>
    <term>
      <name>b</name>
      <then>
        <reject/>
      </then>
    </term>
  </policy-statement>
  <policy-statement>
    <name>l3_test_spoke_hsl_export_pol</name>
    <term>
      <name>a</name>
      <from>

```

```

        <protocol>ospf</protocol>
        <protocol>direct</protocol>
    </from>
    <then>
        <community>
            <add/>
        </community>
    </then>
</term>
<term>
    <name>b</name>
    <then>
        <reject/>
    </then>
</term>
</policy-statement>
<policy-statement>
    <name>l3_test_spoke_hs1_import_pol</name>
    <term>
        <name>a</name>
        <from>
            <protocol>bgp</protocol>
            <protocol>ospf</protocol>
            <protocol>direct</protocol>
        </from>
        <then>
            <accept/>
        </then>
    </term>
    <term>
        <name>b</name>
        <then>
            <reject/>
        </then>
    </term>
</policy-statement>
<community>l3_test_spoke_hs1_spoke_export_comm</community-name>
    </community>
    <accept/>
</then>
</term>
<term>
    <name>b</name>
    <then>
        <reject/>
    </then>
</term>
</policy-statement>
<community>l3_test_spoke_hs1_spoke_import_comm</community>
    </from>
    <then>
        <accept/>
    </then>
</term>
<term>
    <name>b</name>
    <then>
        <reject/>
    </then>
</term>
</policy-statement>
<community>

```

```

operation="replace">
    <name>l3_test_spoke_hsl_spoke_export_comm</name>

    <members>target:100:4</members>
</community>
<community
operation="replace">
    <name>l3_test_spoke_hsl_spoke_import_comm</name>

    <members>target:100:2</members>
</community>
</policy-options>
<routing-instances>
    <instance>
        <name>l3_test_spoke</name>
        <instance-type>vrf</instance-type>
        <interface
operation="replace">
            <name>ge-1/0/1.1</name>
        </interface>
        <route-distinguisher>
            <rd-type>100:4</rd-type>
        </route-distinguisher>
        <vrf-import
operation="replace">l3_test_spoke_hsl_import_pol</vrf-import>
        <vrf-export
operation="replace">l3_test_spoke_hsl_export_pol</vrf-export>
        <vrf-table-label/>
        <protocols>
            <ospf>
                <area>
                    <name>0.0.0.0</name>
                    <interface>
                        <name>ge-1/0/1.1</name>
                    </interface>
                </area>
                <export>l3_test_spoke_bgp2ospf_pol</export>

            </ospf>
        </protocols>
    </instance>
</routing-instances>

```

```

        </configuration>
    </Configuration>
</PendingOrderConfigDeviceEnd>
<PendingOrderConfigDeviceEnd>
    <DeviceName>jaipur</DeviceName>
    <Configuration>
        <configuration>
            <routing-options>
                <auto-export/>
            </routing-options>
            <interfaces>
                <interface>
                    <name>ge-0/1/1</name>
                    <flexible-vlan-tagging/>
                    <unit>
                        <name>1</name>
                        <vlan-id>1</vlan-id>
                        <family>
                            <inet>
                                <address>
                                    <name>10.0.99.1/30</name>
                                </address>
                            </inet>
                            <inet6/>
                        </family>
                    </unit>
                </interface>
            </interfaces>
            <policy-options>
                <policy-statement>
                    <name>l3_test_hub_bgp2ospf_pol</name>
                    <term>
                        <name>a</name>
                        <from>
                            <protocol>bgp</protocol>
                        </from>
                        <then>
                            <accept/>
                        </then>
                    </term>
                    <term>
                        <name>b</name>

```

```

        <then>
            <reject/>
        </then>
    </term>
</policy-statement>
<policy-statement>
    <name>l3_test_hub_hsl_export_pol</name>
    <term>
        <name>a</name>
        <from>
            <protocol>ospf</protocol>
            <protocol>direct</protocol>
        </from>
        <then>
            <community>
                <add/>
<community-name>l3_test_hub_hsl_hub_export_comm</community-name>
                </community>
            <accept/>
        </then>
    </term>
    <term>
        <name>b</name>
        <then>
            <reject/>
        </then>
    </term>
</policy-statement>
<policy-statement>
    <name>l3_test_hub_hsl_import_pol</name>
    <term>
        <name>a</name>
        <from>
            <protocol>bgp</protocol>
            <protocol>ospf</protocol>
            <protocol>direct</protocol>
<community>l3_test_hub_hsl_hub_import_comm</community>
        </from>
        <then>
            <accept/>

```

```

        </then>
      </term>
    <term>
      <name>b</name>
      <then>
        <reject/>
      </then>
    </term>
  </policy-statement>
  <community
operation="replace">
    <name>l3_test_hub_hs1_hub_export_comm</name>
    <members>target:100:2</members>
  </community>
  <community
operation="replace">
    <name>l3_test_hub_hs1_hub_import_comm</name>
    <members>target:100:4</members>
  </community>
</policy-options>
<routing-instances>
  <instance>
    <name>l3_test_hub</name>
    <instance-type>vrf</instance-type>
    <interface
operation="replace">
      <name>ge-0/1/1.1</name>
    </interface>
    <route-distinguisher>
      <rd-type>100:8</rd-type>
    </route-distinguisher>
    <vrf-import
operation="replace">l3_test_hub_hs1_import_pol</vrf-import>
    <vrf-export
operation="replace">l3_test_hub_hs1_export_pol</vrf-export>
    <vrf-table-label/>
    <protocols>
      <ospf>
        <area>
          <name>0.0.0.0</name>
          <interface>
            <name>ge-0/1/1.1</name>

```

```

        </interface>
      </area>
      <export>l3_test_hub_bgp2ospf_pol</export>

    </ospf>
  </protocols>
</instance>
</routing-instances>
</configuration>
</Configuration>
</PendingOrderConfigDeviceEnd>
</PendingOrderConfiguration>
</Data>

```

Modify a Saved IP Service Order

This request is used to modify a saved IP service order.

| | |
|--------------|---|
| URI | /api/space/nsas/l3vpn/service-management/service-orders/ <serviceOrderId> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management. modify-service-order+xml |

| | |
|----------|---|
| Consumes | <p>application/vnd.net.juniper.space.service-management.service-order-status+xml</p> <p>For the various options in creating ServiceOrder the options must be specified in the Action Element inside OperationSpecificData. The following values can be entered:</p> <ul style="list-style-type: none"> • Save (Create and only Save a SO) • SaveAndValidate (Create, Save, and Validate a SO) Default value when no Custom action is specified. • SaveAndDeployNow (Create, Save, and Deploy a SO) • SaveAndDeployLater (Create, Save, and Deploy Later a SO) |
| Produces | Modifies a saved IP service order. |

Input (Full-Mesh OSPF)

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3VPN-OSPF-Static_FM_SO_API</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/device-roles/pe-devices/589950"
uri="/api/space/nsas/device-roles/pe-devices/589950"
key="589950">
            <DeviceName>embassy</DeviceName>
            <DeviceID>1146882</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/0/8</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOspfEndPointConfigParameterOrderType">
            <EthernetOption>Port</EthernetOption>
```

```

        <InterfaceIP AutoPick="false">10.0.88.65</InterfaceIP>
        <OSPFAreaId>0.0.0.0</OSPFAreaId>
        <OSPFVersion>Ver 2</OSPFVersion>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA href="/api/space/nsas/device-roles/pe-devices/589832"
uri="/api/space/nsas/device-roles/pe-devices/589832"
        key="589832">
        <DeviceName>exora</DeviceName>
        <DeviceID>589938</DeviceID>
    </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/0/3</InterfaceName>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
            <EthernetOption>VLAN</EthernetOption>
            <AutoPickVlanID>true</AutoPickVlanID>
            <InterfaceIP AutoPick="false">10.0.88.69</InterfaceIP>
            <OSPFAreaId>0.0.0.0</OSPFAreaId>
            <OSPFVersion>Ver 2</OSPFVersion>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndDeployNow</Action>
</CustomAction>
</Data>

```

Input (Full-Mesh BGP)

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3VPN-BGP-Static_FM_SO_API</Name>
      </Common>

      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>kochin</DeviceName>
            <DeviceID>589832</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/3</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="L3VPNFMBGPPEndPointConfigParameterOrderType">
            <EthernetOption>VLAN</EthernetOption>
              <AutoPickVlanID>>false</AutoPickVlanID>

            <VlanId>9</VlanId>
            <InterfaceIP AutoPick="false">10.0.77.33</InterfaceIP>
            <PeerAS>7</PeerAS>
            <NeighborIP>10.0.77.34</NeighborIP>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>exora</DeviceName>
            <DeviceID>589938</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/3</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="L3VPNFMBGPPEndPointConfigParameterOrderType">
            <EthernetOption>VLAN</EthernetOption>

```

```

    <AutoPickVlanID>true</AutoPickVlanID>
    <InterfaceIP AutoPick="false">10.0.99.1</InterfaceIP>
    <PeerAS>9</PeerAS>
    <NeighborIP>10.0.99.2</NeighborIP>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
</Data>

```

Input (Hub-and-Spoke OSPF)

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3VPN-OSPF-Static_HS_SO_API</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/device-roles/pe-devices/589950"
uri="/api/space/nsas/device-roles/pe-devices/589950"
key="589950">
            <DeviceName>embassy</DeviceName>
            <DeviceID>1146882</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/0/7</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="L3VPNHSOSPFEndPointConfigParameterOrderType">
            <EthernetOption>VLAN</EthernetOption>
            <AutoPickVlanID>false</AutoPickVlanID>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>
</Data>

```

```

    <VlanId>5</VlanId>
    <InterfaceIP AutoPick="false">10.0.88.57</InterfaceIP>
    <Hub>true</Hub>
    <OSPFAreaId>0.0.0.0</OSPFAreaId>
    <OSPFVersion>Ver 2</OSPFVersion>
  </ServiceEndpointConfiguration>
  <ServiceTemplates />
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/589832"
uri="/api/space/nsas/device-roles/pe-devices/589832"
    key="589832">
      <DeviceName>exora</DeviceName>
      <DeviceID>589938</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/0/3</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNHSOSPFEndPointConfigParameterOrderType">
      <EthernetOption>VLAN</EthernetOption>
      <AutoPickVlanID>false</AutoPickVlanID>
      <VlanId>6</VlanId>
      <InterfaceIP AutoPick="false">10.0.88.61</InterfaceIP>
      <Hub>false</Hub>
      <OSPFAreaId>0.0.0.0</OSPFAreaId>
      <OSPFVersion>Ver 2</OSPFVersion>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
  </ServiceEndPoint>
</ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="ServiceOrderCustomActionType">
  <Action>SaveAndDeployNow</Action>
</CustomAction>
</Data>

```

Input (Hub-and-Spoke BGP)

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3VPN-BGP-Static_HS_SO_API</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>jaipur</DeviceName>
            <DeviceID>589950</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/2</InterfaceName>
          <InterfaceIndex>506</InterfaceIndex>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="L3VPNHSBGPEndPointConfigParameterOrderType">
            <EthernetOption>VLAN</EthernetOption>
            <AutoPickVlanID>true</AutoPickVlanID>
            <InterfaceIP AutoPick="false">10.0.88.73</InterfaceIP>
            <Hub>false</Hub>
            <PeerAS>9</PeerAS>
            <NeighborIP>10.0.88.74</NeighborIP>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>exora</DeviceName>
```

```

        <DeviceID>589938</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge-0/0/3</InterfaceName>
    <InterfaceIndex>520</InterfaceIndex>
    <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="L3VPNHSBGPEndPointConfigParameterOrderType">
        <EthernetOption>VLAN</EthernetOption>
        <AutoPickVlanID>true</AutoPickVlanID>
        <InterfaceIP AutoPick="false">10.0.88.77</InterfaceIP>
        <Hub>true</Hub>
        <PeerAS>5</PeerAS>
        <NeighborIP>10.0.88.78</NeighborIP>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndDeployNow</Action>
</CustomAction>
</Data>

```

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
    <Identity>
        <Type>ServiceOrder</Type>
        <Value>1507439</Value>
    </Identity>
    <Job>
        <ID>622660</ID>
    </Job>

```

```
<Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>Service Order Created Successfully and Deployment is in
  Progress. Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Get IP Service Order Details with Normalization, Unit ID, and Burst Size Calculation By Order ID

This request is used to retrieve the details of a particular IP service order with burst size calculation based on the service order ID.

| | |
|-------------|--|
| URI | /api/space/nsas/l3vpn/service-management/service-orders/<serviceOrder-Id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml;version=2 |
| Produces | Collects the details of a specific IP service order with normalization, unit ID, and burst size calculation. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder key="1278025"
      uri="/api/space/nsas/l3vpn/service-management/service-orders/1278025"
      href="/api/space/nsas/l3vpn/service-management/service-orders/1278025">
      <Common>
```

```

    <Name>L3UnitTestAPI</Name>
    <Identity>1278025</Identity>
    <State>Validated</State>
    <CreatedDate>2014-07-09T11:06:18.000+05:30</CreatedDate>
    <LastUpdatedDate>2014-07-09T11:06:18.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <ServiceType>l3vpn</ServiceType>
  <EnableMVPN>false</EnableMVPN>
  <Action>Provisioning</Action>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA key="786447" uri="/api/space/nsas/device-roles/pe-devices/786447"
        href="/api/space/nsas/device-roles/pe-devices/786447">
        <DeviceName>junos-mx240-space</DeviceName>
        <DeviceID>786447</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-0/0/9</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="L3VPNFMGBPEndPointConfigParameterOrderType">
        <UNIDescription>A-End</UNIDescription>
        <RoutingProtocol>BGP</RoutingProtocol>
        <EthernetOption>DOT1Q</EthernetOption>
        <UnitID>17</UnitID>
        <VlanId>1</VlanId>
        <InterfaceIP>10.0.88.1</InterfaceIP>
        <RouteDistinguisher>69:2147467282</RouteDistinguisher>
        <PeerAS>1</PeerAS>
        <NeighborIP>10.0.88.2</NeighborIP>
      </ServiceEndpointConfiguration>
      <ServiceTemplates />
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA key="786568" uri="/api/space/nsas/device-roles/pe-devices/786568"
        href="/api/space/nsas/device-roles/pe-devices/786568">
        <DeviceName>junos-mx80-1-space</DeviceName>
        <DeviceID>786568</DeviceID>

```

```

        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-1/1/0</InterfaceName>
        <InterfaceIndex>522</InterfaceIndex>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="L3VPNFMGBPEndPointConfigParameterOrderType">
            <UNIDescription>Z-End</UNIDescription>
            <RoutingProtocol>BGP</RoutingProtocol>
            <EthernetOption>QinQ</EthernetOption>
            <UnitID>19</UnitID>
            <VlanId>1</VlanId>
            <InterfaceIP>10.0.99.1</InterfaceIP>
            <CustomerVlanType>Transport single vlan</CustomerVlanType>
            <CustomerVlan>56</CustomerVlan>
            <OuterTPID>0x88a8</OuterTPID>
            <InnerTPID>0x88a8</InnerTPID>
            <RouteDistinguisher>69:2147467293</RouteDistinguisher>
            <PeerAS>1</PeerAS>
            <NeighborIP>10.0.99.2</NeighborIP>
        </ServiceEndpointConfiguration>
        <ServiceTemplates />
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

    xsi:type="L3VPNConfigParameterOrderType">
    <RouteTarget>69:1454096400</RouteTarget>
    <VRFTabelLabel>true</VRFTabelLabel>
    <ASOverride>true</ASOverride>
    <MaximumPrefixes>0</MaximumPrefixes>
</ServiceOrderParameter>
<Reference>
    <Customer uri="/api/space/nsas/customer-management/customers/557118"
        href="/api/space/nsas/customer-management/customers/557118" key="557118"
    />
</ServiceDefinition>
    <ServiceDefinitionID
        uri="/api/space/nsas/l3vpn/service-management/service-definitions/425984"

```

```
href="/api/space/nsas/l3vpn/service-management/service-definitions/425984"
  key="425984" />
</ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Create an IP Service Order with Normalization and Burst Size Calculation

This request is used to create an IP service order with normalization and burst-size calculation.

| | |
|--------------|---|
| URI | /api/space/nsas/l3vpn/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |
| Produces | Creates an IP service order with normalization and burst-size calculation. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3UnitTestAPI</Name>
      </Common>
```

```

<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="786447" uri="/api/space/nsas/device-roles/pe-devices/786447"
      href="/api/space/nsas/device-roles/pe-devices/786447">
      <DeviceName>junos-mx240-space</DeviceName>
      <DeviceID>786447</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/0/9</InterfaceName>
    <InterfaceIndex>525</InterfaceIndex>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="L3VPNFMBGPPEndPointConfigParameterOrderType">
      <UNIDescription>A-End</UNIDescription>
      <EthernetOption>Dot1Q</EthernetOption>
      <AutoPickUnitID>>false</AutoPickUnitID>
      <UnitID>17</UnitID>
      <AutoPickVlanID>>false</AutoPickVlanID>
      <VlanId>11</VlanId>
      <InterfaceIP AutoPick="true" />
      <IPAddressPool>10.0.99.0/24</IPAddressPool>
      <PeerAS>1</PeerAS>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="786568" uri="/api/space/nsas/device-roles/pe-devices/786568"
      href="/api/space/nsas/device-roles/pe-devices/786568">
      <DeviceName>junos-mx80-1-space</DeviceName>
      <DeviceID>786568</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-1/1/0</InterfaceName>
    <InterfaceIndex>522</InterfaceIndex>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="L3VPNFMBGPPEndPointConfigParameterOrderType">
      <UNIDescription>B-End</UNIDescription>

```

```

    <EthernetOption>QinQ</EthernetOption>
    <AutoPickUnitID>false</AutoPickUnitID>
    <UnitID>19</UnitID>
    <AutoPickVlanID>false</AutoPickVlanID>
    <VlanId>13</VlanId>
    <InterfaceIP AutoPick="true" />
    <IPAddressPool>10.0.99.0/24</IPAddressPool>
    <CustomerVlanType>Transport single vlan</CustomerVlanType>
    <CustomerVlan>56</CustomerVlan>
    <OuterTPID>0x88a8</OuterTPID>
    <InnerTPID>0x9100</InnerTPID>
    <PeerAS>1</PeerAS>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="L3VPNConfigParameterOrderType">
  <ASOverride>true</ASOverride>
  <MaximumPrefixes>1</MaximumPrefixes>
</ServiceOrderParameter>
<Reference>
  <Customer uri="/api/space/nsas/customer-management/customers/557118"
  href="/api/space/nsas/customer-management/customers/557118" key="557118"
/>
  <ServiceDefinition>
    <ServiceDefinitionID
      uri="/api/space/nsas/l3vpn/service-management/service-definitions/425984"

href="/api/space/nsas/l3vpn/service-management/service-definitions/425984"
      key="425984" />
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
      <Identity>
        <Type>ServiceOrder</Type>
        <Value>393698</Value>
      </Identity>
      <Job>
        <ID>131165</ID>
        <Status>INPROGRESS</Status>
      </Job>
      <Code>200</Code>
      <Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
    </Status>
  </Data>
```

Get an IP Service Order with Default Service Template By Order ID

This request is used to retrieve the details of a particular IP service order with default service template, based on the service order ID.

| | |
|-------------|---|
| URI | /api/space/nsas/l3vpn/service-management/service-orders/ <serviceorder-Id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Collects the details of a specific IP service order with default service template. |

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder key="1081419"
uri="/api/space/nsas/l3vpn/service-management/service-orders/1081419"
href="/api/space/nsas/l3vpn/service-management/service-orders/1081419">
      <Common>
        <Name>testSO_l3vpnFM</Name>
        <Identity>1081419</Identity>
        <State>Validated</State>
        <CreatedDate>2015-02-23T17:41:49.000+05:30</CreatedDate>
        <LastUpdatedDate>2015-02-23T17:41:48.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>l3vpn</ServiceType>
      <EnableMVPN>false</EnableMVPN>
      <EnableMCLAG>false</EnableMCLAG>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="524388" uri="/api/space/nsas/device-roles/pe-devices/524388"
href="/api/space/nsas/device-roles/pe-devices/524388">
            <DeviceName>junos-spacel</DeviceName>
            <DeviceID>524388</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/1/3</InterfaceName>
          <InterfaceIndex>520</InterfaceIndex>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
            <RoutingProtocol>OSPF</RoutingProtocol>
            <EthernetOption>Dot1Q</EthernetOption>
            <UnitID>1</UnitID>
            <VlanId>1</VlanId>
            <InterfaceIP>10.0.77.1/30</InterfaceIP>
            <RouteDistinguisher>65501:5455876</RouteDistinguisher>
            <OSPFAreaId>0.0.0.0</OSPFAreaId>
            <OSPFVersion>Ver 2</OSPFVersion>
          </ServiceEndpointConfiguration>
        <ServiceTemplates>
          <ServiceTemplate

```

```

href="/api/space/nsas/l3vpn/service-management/service-templates/950272"
uri="/api/space/nsas/l3vpn/service-management/service-templates/950272"
key="950272">
  <ID>950272</ID>
  </ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
<EnableLoopback>>false</EnableLoopback>
<EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="524352" uri="/api/space/nsas/device-roles/pe-devices/524352"
href="/api/space/nsas/device-roles/pe-devices/524352">
      <DeviceName>junos-space2</DeviceName>
      <DeviceID>524352</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/5</InterfaceName>
    <InterfaceIndex>522</InterfaceIndex>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
      <RoutingProtocol>OSPF</RoutingProtocol>
      <EthernetOption>Dot1Q</EthernetOption>
      <UnitID>2</UnitID>
      <VlanId>2</VlanId>
      <InterfaceIP>10.0.77.5/30</InterfaceIP>
      <RouteDistinguisher>65501:5455877</RouteDistinguisher>
      <OSPFAreaId>0.0.0.0</OSPFAreaId>
      <OSPFVersion>Ver 2</OSPFVersion>
    </ServiceEndpointConfiguration>
  </ServiceTemplates>
  <ServiceTemplate
href="/api/space/nsas/l3vpn/service-management/service-templates/950272"
uri="/api/space/nsas/l3vpn/service-management/service-templates/950272"
key="950272">
    <ID>950272</ID>
    </ServiceTemplate>
  </ServiceTemplates>
</ServiceEndPoint>

```

```

    <EnableLoopback>false</EnableLoopback>
    <EnableStitchingPoint>false</EnableStitchingPoint>
  </ServiceEndPointGroup>
  <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNConfigParameterOrderType">
    <RouteTarget>65501:1</RouteTarget>
    <VRFTabelLabel>true</VRFTabelLabel>
  </ServiceOrderParameter>
  <Reference>
    <Customer uri="/api/space/nsas/customer-management/customers/524288"
href="/api/space/nsas/customer-management/customers/524288" key="524288"/>
    <ServiceDefinition>
      <ServiceDefinitionID
uri="/api/space/nsas/l3vpn/service-management/service-definitions/1081369"
href="/api/space/nsas/l3vpn/service-management/service-definitions/1081369"
key="1081369"/>
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Create an IP Service Order with Default Service Template

This request is used to create an IP service order configured with default service template.

| | |
|--------------|--|
| URI | /api/space/nsas/l3vpn/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-order+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml;version=2 |
| Produces | Creates an IP service order configured with default service template. |

The XPath tag in a service template attribute is optional and we recommend that you use this tag.

Input (Full-Mesh IP)

Sample XML Input

```

        <Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource>
  <ServiceOrder>
    <Common>
      <Name>test_l3vpnFM_2defTemp_API</Name>
    </Common>
    <ServiceType>l3vpn</ServiceType>
    <EnableMVPN>>false</EnableMVPN>
    <EnableMCLAG>>false</EnableMCLAG>
    <Action>Provisioning</Action>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <NA>
          <DeviceName>junos-spacel</DeviceName>
          <DeviceID>524393</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-0/1/3</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOspfEndPointConfigParameterOrderType">
          <EthernetOption>Dot1Q</EthernetOption>
          <InterfaceIP AutoPick="true"/>
          <IPAddressPool>10.0.88.0/24</IPAddressPool>
          <OSPFAreaId>0.0.0.0</OSPFAreaId>
          <OSPFVersion>Ver 2</OSPFVersion>
        </ServiceEndpointConfiguration>
      </ServiceEndPoint>
    </ServiceEndPointGroup>
    <ServiceTemplates>
      <ServiceTemplate>
        <ID>66317</ID>
        <ConfigParams>
          <Name>Name</Name>
          <Value>testname123</Value>
          <Decommission>>false</Decommission>
          <SvcSpecificValue>>false</SvcSpecificValue>
        </ConfigParams>
      </ServiceTemplate>
    </ServiceTemplates>
  </ServiceOrder>
</ServiceResource>
</Data>

```

```

        <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
</ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
<EnableLoopback>>false</EnableLoopback>
<EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA>
            <DeviceName>junos-space2</DeviceName>
            <DeviceID>524357</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/1/5</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
            <EthernetOption>Dot1Q</EthernetOption>
            <InterfaceIP AutoPick="true"/>
            <IPAddressPool>10.0.88.0/24</IPAddressPool>
            <OSPFAreaId>0.0.0.0</OSPFAreaId>
            <OSPFVersion>Ver 2</OSPFVersion>
        </ServiceEndpointConfiguration>
    </ServiceTemplates>

    <ServiceTemplate>
        <ID>66317</ID>
        <ConfigParams>
            <Name>Name</Name>
            <Value>testname123</Value>
            <Decommission>>false</Decommission>
            <SvcSpecificValue>>false</SvcSpecificValue>
            <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
    </ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
<EnableLoopback>>false</EnableLoopback>
<EnableStitchingPoint>>false</EnableStitchingPoint>

```

```

    </ServiceEndPointGroup>
    <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNConfigParameterOrderType">
    </ServiceOrderParameter>
    <Reference>
    <Customer key="524288" />
    <ServiceDefinition>
    <ServiceDefinitionID key="917552" />
    </ServiceDefinition>
    </Reference>
  </ServiceOrder>
</ServiceResource>
</Data>

```

Sample XML Input (With XPath)

```

    <Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource>
  <ServiceOrder>
    <Common>
      <Name>test_l3vpnFM_2defTemp_API</Name>
    </Common>
    <ServiceType>l3vpn</ServiceType>
    <EnableMVPN>>false</EnableMVPN>
    <EnableMCLAG>>false</EnableMCLAG>
    <Action>Provisioning</Action>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <NA>
          <DeviceName>junos-space1</DeviceName>
          <DeviceID>524393</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-0/1/3</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOspfEndPointConfigParameterOrderType">
          <EthernetOption>Dot1Q</EthernetOption>

```

```

    <InterfaceIP AutoPick="true"/>
    <IPAddressPool>10.0.88.0/24</IPAddressPool>
    <OSPFAreaId>0.0.0.0</OSPFAreaId>
    <OSPFVersion>Ver 2</OSPFVersion>
  </ServiceEndpointConfiguration>
  <ServiceTemplates>
    <ServiceTemplate>
      <ID>6357015</ID>
      <ConfigParams>
        <Name>Description</Name>
        <Value>DemoDescription</Value>
        <Xpath>/configuration/cpl/interface/description</Xpath>
        <Decommission>>false</Decommission>
        <SvcSpecificValue>>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
      </ConfigParams>
    </ServiceTemplate>
    <ServiceTemplate>
      <ID>66317</ID>
      <ConfigParams>
        <Name>Name</Name>
        <Value>testname123</Value>
        <Decommission>>false</Decommission>
        <SvcSpecificValue>>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
      </ConfigParams>
    </ServiceTemplate>
  </ServiceTemplates>
</ServiceEndPoint>
<EnableLoopback>>false</EnableLoopback>
<EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA>
      <DeviceName>junos-space2</DeviceName>
      <DeviceID>524357</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/5</InterfaceName>
  </ServiceEndPoint>
</ServiceEndpointConfiguration>

```

```

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
    <EthernetOption>Dot1Q</EthernetOption>
    <InterfaceIP AutoPick="true"/>
    <IPAddressPool>10.0.88.0/24</IPAddressPool>
    <OSPFAreaId>0.0.0.0</OSPFAreaId>
    <OSPFVersion>Ver 2</OSPFVersion>
</ServiceEndpointConfiguration>
<ServiceTemplates>

    <ServiceTemplate>
        <ID>66317</ID>
        <ConfigParams>
            <Name>Name</Name>
            <Value>testname123</Value>
            <Decommission>>false</Decommission>
            <SvcSpecificValue>>false</SvcSpecificValue>
            <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
    </ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
<EnableLoopback>>false</EnableLoopback>
<EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNConfigParameterOrderType">
    </ServiceOrderParameter>
    <Reference>
        <Customer key="524288"/>
        <ServiceDefinition>
            <ServiceDefinitionID key="917552"/>
        </ServiceDefinition>
    </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Input (Hub-and-Spoke IP)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>SO_11_1_hubSpoke_4</Name>
        <Comments>dgdgdfg</Comments>
      </Common>
      <ServiceType>l3vpn</ServiceType>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junos-spacel</DeviceName>
            <DeviceID>7536753</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/1/3</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNHSOSPFEndPointConfigParameterOrderType">
            <EthernetOption>VLAN</EthernetOption>
            <AutoPickVlanID>true</AutoPickVlanID>
            <InterfaceIP AutoPick="true"/>
            <IPAddressPool>10.0.88.0/24</IPAddressPool>
            <Hub>true</Hub>
            <OSPFAreaId>0.0.0.0</OSPFAreaId>
            <OSPFVersion>Ver 2</OSPFVersion>
          </ServiceEndpointConfiguration>
          <ServiceTemplates>

            <ServiceTemplate>
              <ID>66317</ID>
              <ConfigParams>
                <Name>Name</Name>
                <Value>testname123</Value>
                <Decommission>>false</Decommission>
                <SvcSpecificValue>>false</SvcSpecificValue>
                <ConfigPageName>cpl</ConfigPageName>
              </ConfigParams>
            </ServiceTemplate>
          </ServiceTemplates>

```

```

    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA>
        <DeviceName>junos-spacel</DeviceName>
        <DeviceID>7536753</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-0/1/3</InterfaceName>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNHSOSPFEndPointConfigParameterOrderType">
        <EthernetOption>VLAN</EthernetOption>
        <AutoPickVlanID>true</AutoPickVlanID>
        <InterfaceIP AutoPick="true"/>
        <IPAddressPool>10.0.88.0/24</IPAddressPool>
        <UnitID>26</UnitID>
        <Hub>false</Hub>
        <OSPFAreaId>0.0.0.0</OSPFAreaId>
        <OSPFVersion>Ver 2</OSPFVersion>
      </ServiceEndpointConfiguration>
    <ServiceTemplates>

      <ServiceTemplate>
        <ID>66317</ID>
        <ConfigParams>
          <Name>Name</Name>
          <Value>testname123</Value>
          <Decommission>false</Decommission>
          <SvcSpecificValue>false</SvcSpecificValue>
          <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
      </ServiceTemplate>
    </ServiceTemplates>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<Reference>
  <Customer key="4128768"/>
  <ServiceDefinition>
    <ServiceDefinitionID key="426020"/>
  </ServiceDefinition>
</Reference>

```

```

        </ServiceDefinition>
    </Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndDeployNow</Action>
</CustomAction>
</Data>

```

Sample XML Input (With XPath)

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>SO_11_1_hubSpoke_4</Name>
        <Comments>dgdgdfg</Comments>
      </Common>
      <ServiceType>l3vpn</ServiceType>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junos-spacel</DeviceName>
            <DeviceID>7536753</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/1/3</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNHSOSPFEndPointConfigParameterOrderType">
            <EthernetOption>VLAN</EthernetOption>
            <AutoPickVlanID>true</AutoPickVlanID>
            <InterfaceIP AutoPick="true"/>
            <IPAddressPool>10.0.88.0/24</IPAddressPool>
            <Hub>true</Hub>
            <OSPFAreaId>0.0.0.0</OSPFAreaId>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>
</Data>

```

```

    <OSPFVersion>Ver 2</OSPFVersion>
  </ServiceEndpointConfiguration>
  <ServiceTemplates>
    <ServiceTemplate>
      <ID>6357015</ID>
      <ConfigParams>
        <Name>Description</Name>
        <Value>DemoDescription</Value>
        <Xpath>/configuration/cpl/interface/description</Xpath>
        <Decommission>>false</Decommission>
        <SvcSpecificValue>>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
      </ConfigParams>
    </ServiceTemplate>
    <ServiceTemplate>
      <ID>66317</ID>
      <ConfigParams>
        <Name>Name</Name>
        <Value>testname123</Value>
        <Decommission>>false</Decommission>
        <SvcSpecificValue>>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
      </ConfigParams>
    </ServiceTemplate>
  </ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA>
      <DeviceName>junos-spacel</DeviceName>
      <DeviceID>7536753</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/3</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNHSOSPFEndPointConfigParameterOrderType">
      <EthernetOption>VLAN</EthernetOption>
      <AutoPickVlanID>>true</AutoPickVlanID>
      <InterfaceIP AutoPick="true"/>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>

```

```

    <IPAddressPool>10.0.88.0/24</IPAddressPool>
    <UnitID>26</UnitID>
    <Hub>>false</Hub>
    <OSPFAreaId>0.0.0.0</OSPFAreaId>
    <OSPFVersion>Ver 2</OSPFVersion>
  </ServiceEndpointConfiguration>
  <ServiceTemplates>
    <ServiceTemplate>
      <ID>6357015</ID>
      <ConfigParams>
        <Name>Description</Name>
        <Value>DemoDescription</Value>
        <Xpath>/configuration/cpl/interface/description</Xpath>
        <Decommission>>false</Decommission>
        <SvcSpecificValue>>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
      </ConfigParams>
    </ServiceTemplate>
    <ServiceTemplate>
      <ID>66317</ID>
      <ConfigParams>
        <Name>Name</Name>
        <Value>testname123</Value>
        <Decommission>>false</Decommission>
        <SvcSpecificValue>>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
      </ConfigParams>
    </ServiceTemplate>
  </ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<Reference>
  <Customer key="4128768" />
  <ServiceDefinition>
    <ServiceDefinitionID key="426020" />
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndDeployNow</Action>

```

```

    </CustomAction>
  </Data>

```

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>SO_11_1_hubSpoke_4</Name>
        <Comments>dgdgdfg</Comments>
      </Common>
      <ServiceType>l3vpn</ServiceType>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junos-spacel</DeviceName>
            <DeviceID>7536753</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/1/3</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNHSOSPFEndPointConfigParameterOrderType">
            <EthernetOption>VLAN</EthernetOption>
            <AutoPickVlanID>true</AutoPickVlanID>
            <InterfaceIP AutoPick="true"/>
            <IPAddressPool>10.0.88.0/24</IPAddressPool>
            <Hub>true</Hub>
            <OSPFAreaId>0.0.0.0</OSPFAreaId>
            <OSPFVersion>Ver 2</OSPFVersion>
          </ServiceEndpointConfiguration>
          <ServiceTemplates>

            <ServiceTemplate>

```

```

        <ID>66317</ID>
        <ConfigParams>
            <Name>Name</Name>
            <Value>testname123</Value>
            <Decommission>>false</Decommission>
            <SvcSpecificValue>>false</SvcSpecificValue>
            <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
    </ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA>
            <DeviceName>junos-spacel</DeviceName>
            <DeviceID>7536753</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/1/3</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNHSOSPFEndPointConfigParameterOrderType">
            <EthernetOption>VLAN</EthernetOption>
            <AutoPickVlanID>>true</AutoPickVlanID>
            <InterfaceIP AutoPick="true"/>
            <IPAddressPool>10.0.88.0/24</IPAddressPool>
            <UnitID>26</UnitID>
            <Hub>>false</Hub>
            <OSPFAreaId>0.0.0.0</OSPFAreaId>
            <OSPFVersion>Ver 2</OSPFVersion>
        </ServiceEndpointConfiguration>
    </ServiceTemplates>

    <ServiceTemplate>
        <ID>66317</ID>
        <ConfigParams>
            <Name>Name</Name>
            <Value>testname123</Value>
            <Decommission>>false</Decommission>
            <SvcSpecificValue>>false</SvcSpecificValue>

```

```

        <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
</ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<Reference>
    <Customer key="4128768"/>
    <ServiceDefinition>
        <ServiceDefinitionID key="426020"/>
    </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndDeployNow</Action>
</CustomAction>
</Data>
```

Modify an IP Service Order with Default Service Template

This request is used to modify an IP service order configured with default service template.

| | |
|--------------|---|
| URI | /api/space/nsas/l3vpn/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. modify-service-order+xml; version=2; charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml; version=2 |
| Produces | Modifies an IP service order configured with default service template. |

The XPath tag in a service template attribute is optional and we recommend that you use this tag.

Input (Full-Mesh IP)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>test_l3vpnFM_2defTemp_API_M3</Name>
      </Common>
      <ServiceType>l3vpn</ServiceType>
      <EnableMVPN>>false</EnableMVPN>
      <EnableMCLAG>>false</EnableMCLAG>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junos-space1</DeviceName>
            <DeviceID>524393</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/1/3</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
            <EthernetOption>Dot1Q</EthernetOption>
            <InterfaceIP AutoPick="true"/>
            <IPAddressPool>10.0.88.0/24</IPAddressPool>
            <OSPFAreaId>0.0.0.0</OSPFAreaId>
            <OSPFVersion>Ver 2</OSPFVersion>
          </ServiceEndpointConfiguration>
          <ServiceTemplates>
            <ServiceTemplate>
              <ID>66341</ID>
              <ConfigParams>
                <Name>3</Name>
                <Value>None</Value>
                <Decommission>>false</Decommission>
                <SvcSpecificValue>>false</SvcSpecificValue>
                <ConfigPageName>cpl</ConfigPageName>
              </ConfigParams>
              <ConfigParams>
                <Name>Inner</Name>
```

```

        <Value>None</Value>
        <Decommission>>false</Decommission>
        <SvcSpecificValue>>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
</ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
<EnableLoopback>>false</EnableLoopback>
<EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA>
            <DeviceName>junos-space2</DeviceName>
            <DeviceID>524357</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/1/5</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
            <EthernetOption>Dot1Q</EthernetOption>
            <InterfaceIP AutoPick="true"/>
            <IPAddressPool>10.0.88.0/24</IPAddressPool>
            <OSPFAreaId>0.0.0.0</OSPFAreaId>
            <OSPFVersion>Ver 2</OSPFVersion>
        </ServiceEndpointConfiguration>
    </ServiceTemplates>
    <ServiceTemplate>
        <ID>66341</ID>
        <ConfigParams>
            <Name>3</Name>
            <Value>None</Value>
            <Decommission>>false</Decommission>
            <SvcSpecificValue>>false</SvcSpecificValue>
            <ConfigPageName>cpl</ConfigPageName>
        </ConfigParams>
    </ConfigParams>
    <Name>Inner</Name>
    <Value>None</Value>

```

```

        <Decommission>false</Decommission>
        <SvcSpecificValue>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
</ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
<EnableLoopback>false</EnableLoopback>
<EnableStitchingPoint>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNConfigParameterOrderType">
    </ServiceOrderParameter>
    <Reference>
        <Customer key="524288" />
        <ServiceDefinition>
            <ServiceDefinitionID key="917552" />
        </ServiceDefinition>
    </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Sample XML Input (With XPath)

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
        <ServiceOrder>
            <Common>
                <Name>test_l3vpnFM_2defTemp_API_M3</Name>
            </Common>
            <ServiceType>l3vpn</ServiceType>
            <EnableMVPN>false</EnableMVPN>
            <EnableMCLAG>false</EnableMCLAG>
            <ServiceEndPointGroup>
                <DeviceInfo>
                    <NA>
                        <DeviceName>junos-spacel</DeviceName>
                        <DeviceID>524393</DeviceID>
                    </NA>
                </DeviceInfo>
            </ServiceEndPointGroup>
        </ServiceOrder>
    </ServiceResource>
</Data>

```

```

        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/1/3</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
            <EthernetOption>Dot1Q</EthernetOption>
            <InterfaceIP AutoPick="true"/>
            <IPAddressPool>10.0.88.0/24</IPAddressPool>
            <OSPFAreaId>0.0.0.0</OSPFAreaId>
            <OSPFVersion>Ver 2</OSPFVersion>
        </ServiceEndpointConfiguration>
    <ServiceTemplates>
        <ServiceTemplate>
            <ID>6357015</ID>
            <ConfigParams>
                <Name>Description</Name>
                <Value>DemoDescription</Value>
                <Xpath>/configuration/cpl/interface/description</Xpath>
                <Decommission>>false</Decommission>
                <SvcSpecificValue>>false</SvcSpecificValue>
                <ConfigPageName>cpl</ConfigPageName>
            </ConfigParams>
        </ServiceTemplate>
    </ServiceTemplates>
</ServiceEndPoint>
<EnableLoopback>>false</EnableLoopback>
<EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA>
            <DeviceName>junos-space2</DeviceName>
            <DeviceID>524357</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/1/5</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">

```

```

    <EthernetOption>Dot1Q</EthernetOption>
    <InterfaceIP AutoPick="true"/>
    <IPAddressPool>10.0.88.0/24</IPAddressPool>
    <OSPFAreaId>0.0.0.0</OSPFAreaId>
    <OSPFVersion>Ver 2</OSPFVersion>
  </ServiceEndpointConfiguration>
  <ServiceTemplates>
    <ServiceTemplate>
      <ID>66341</ID>
      <ConfigParams>
        <Name>3</Name>
        <Value>None</Value>
        <Decommission>>false</Decommission>
        <SvcSpecificValue>>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
      </ConfigParams>
      <ConfigParams>
        <Name>Inner</Name>
        <Value>None</Value>
        <Decommission>>false</Decommission>
        <SvcSpecificValue>>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
      </ConfigParams>
    </ServiceTemplate>
  </ServiceTemplates>
</ServiceEndPoint>
<EnableLoopback>>false</EnableLoopback>
<EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
  <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNConfigParameterOrderType">
    </ServiceOrderParameter>
    <Reference>
      <Customer key="524288"/>
      <ServiceDefinition>
        <ServiceDefinitionID key="917552"/>
      </ServiceDefinition>
    </Reference>
  </ServiceOrder>
</ServiceResource>
</Data>

```

Input (Hub-and-Spoke IP)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3VPN_OSPFHS_ModifySO_API</Name>
        <Comments>dgdgdfg</Comments>
      </Common>
      <ServiceType>l3vpn</ServiceType>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junos-space1</DeviceName>
            <DeviceID>524377</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/1/5</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNHSOSPFEndPointConfigParameterOrderType">
            <EthernetOption>VLAN</EthernetOption>
            <AutoPickVlanID>true</AutoPickVlanID>
            <InterfaceIP AutoPick="true"/>
            <IPAddressPool>10.0.88.0/24</IPAddressPool>
            <Hub>true</Hub>
            <OSPFAreaId>0.0.0.0</OSPFAreaId>
            <OSPFVersion>Ver 2</OSPFVersion>
          </ServiceEndpointConfiguration>
          <ServiceTemplates>
            <ServiceTemplate>
              <ID>66341</ID>
              <ConfigParams>
                <Name>3</Name>
                <Value>None</Value>
                <Decommission>>false</Decommission>
                <SvcSpecificValue>>false</SvcSpecificValue>
                <ConfigPageName>cpl</ConfigPageName>
              </ConfigParams>
```

```

    <ConfigParams>
      <Name>Inner</Name>
      <Value>None</Value>
      <Decommission>>false</Decommission>
      <SvcSpecificValue>>false</SvcSpecificValue>
      <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
  </ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <EnableLoopback>>true</EnableLoopback>
  <DeviceInfo>
    <NA>
      <DeviceName>junos-mx240-space</DeviceName>
      <DeviceID>524302</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/5</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNHSOSPFEndPointConfigParameterOrderType">
      <EthernetOption>VLAN</EthernetOption>
      <AutoPickVlanID>>true</AutoPickVlanID>
      <InterfaceIP AutoPick="true"/>
      <IPAddressPool>10.0.88.0/24</IPAddressPool>
      <Hub>>true</Hub>
      <OSPFAreaId>0.0.0.0</OSPFAreaId>
      <OSPFVersion>Ver 2</OSPFVersion>
    </ServiceEndpointConfiguration>
  </ServiceTemplates>
  <ServiceTemplate>
    <ID>66341</ID>
    <ConfigParams>
      <Name>3</Name>
      <Value>None</Value>
      <Decommission>>false</Decommission>
      <SvcSpecificValue>>false</SvcSpecificValue>
      <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
  </ServiceTemplate>
</ServiceTemplates>

```

```

    <ConfigParams>
      <Name>Inner</Name>
      <Value>None</Value>
      <Decommission>>false</Decommission>
      <SvcSpecificValue>>false</SvcSpecificValue>
      <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
  </ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
</Data>

```

Sample XML Input (With XPath)

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3VPN_OSPFHS_ModifySO_API</Name>
        <Comments>dgdgdfg</Comments>
      </Common>
      <ServiceType>l3vpn</ServiceType>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junos-space1</DeviceName>
            <DeviceID>524377</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/1/5</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNHSOSPFEndPointConfigParameterOrderType">
            <EthernetOption>VLAN</EthernetOption>

```

```

    <AutoPickVlanID>true</AutoPickVlanID>
    <InterfaceIP AutoPick="true"/>
    <IPAddressPool>10.0.88.0/24</IPAddressPool>
    <Hub>true</Hub>
    <OSPFAreaId>0.0.0.0</OSPFAreaId>
    <OSPFVersion>Ver 2</OSPFVersion>
  </ServiceEndpointConfiguration>
  <ServiceTemplates>
    <ServiceTemplate>
      <ID>6357015</ID>
      <ConfigParams>
        <Name>Description</Name>
        <Value>DemoDescription</Value>
        <Xpath>/configuration/cpl/interface/description</Xpath>
        <Decommission>>false</Decommission>
        <SvcSpecificValue>>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
      </ConfigParams>
    </ServiceTemplate>
  </ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <EnableLoopback>true</EnableLoopback>
  <DeviceInfo>
    <NA>
      <DeviceName>junos-mx240-space</DeviceName>
      <DeviceID>524302</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/5</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNHSOSPFEndPointConfigParameterOrderType">
      <EthernetOption>VLAN</EthernetOption>
      <AutoPickVlanID>true</AutoPickVlanID>
      <InterfaceIP AutoPick="true"/>
      <IPAddressPool>10.0.88.0/24</IPAddressPool>
      <Hub>true</Hub>
      <OSPFAreaId>0.0.0.0</OSPFAreaId>
      <OSPFVersion>Ver 2</OSPFVersion>

```

```

    </ServiceEndpointConfiguration>
  <ServiceTemplates>
    <ServiceTemplate>
      <ID>66341</ID>
      <ConfigParams>
        <Name>3</Name>
        <Value>None</Value>
        <Decommission>>false</Decommission>
        <SvcSpecificValue>>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
      </ConfigParams>
      <ConfigParams>
        <Name>Inner</Name>
        <Value>None</Value>
        <Decommission>>false</Decommission>
        <SvcSpecificValue>>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
      </ConfigParams>
    </ServiceTemplate>
  </ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
<Status>
  <Identity>
    <Type>ServiceOrder</Type>
    <Value>459190</Value>
  </Identity>
  <Job>
    <ID>196671</ID>
    <Status>INPROGRESS</Status>
  </Job>

```

```
</Job>
<Code>200</Code>
<Message>The Service Order Modified Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Get Job Details By Job ID for an IP Service Order

This request is used to obtain the details of a specific job, based on its unique identifier.

| | |
|----------------------|--|
| URI | /api/space/nsas/l3vpn/service-management/service-orders/jobId |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-orders+json;version=2 |
| Produces | Retrieves the details of a particular job. |
| Mandatory Parameters | jobID |

Output

Sample JSONOutput

```
{
  "Data": {
    "JobDetailsType": {
      "jobDetailType": [
        {
          "nodeName": "960R1_EN_Alok_re",
          "statusMessage": "Endpoint cannot be provisioned since validation
failed for other devices.",
          "jobStatus": "INVALID",
          "serviceName": "Test2Devices"
        },
      ],
    }
  }
}
```

```
    ]
  }
}
```

Create an IP Service Order to Create an LSP

This request is used to create an IP service order for creating an LSP.

| | |
|---------------|--|
| URL | /api/space/nsas/csd/service-order |
| HTTP Method | POST |
| Sample URL | https://192.0.2.10:8443/api/space/nsas/csd/service-order |
| Accept Header | application/xml |
| Content Type | application/xml |

Input

Sample XML Input

```
"<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Reference>
        <Customer key="1" />
        <ServiceDefinition>
          <ServiceDefinitionID key="65537" />
        </ServiceDefinition>
        <Service key="undefined" />
      </Reference>
      <Common>
        <Name>L3VPN_CreateLSP</Name>
        <CustomerName>Juniper</CustomerName>
        <CreatedBy>super</CreatedBy>
      </Common>
    </ServiceOrder>
  </ServiceResource>
</Data>
```

```

        </Common>
        <LspServiceDefinition>
            <ServiceDefinitionID key="8" />
        </LspServiceDefinition>
        <LSPPattern key="1" />
        <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNConfigParameterOrderType">
            <RouteTarget AutoPick="true">true</RouteTarget>
            <OSPFVersion>Ver 2</OSPFVersion>
            <VRFTabelLabel>true</VRFTabelLabel>
            <AutoExportRoutes>true</AutoExportRoutes>
        </ServiceOrderParameter>
        <ServiceEndPointGroup>

<DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
        <DeviceInfo>
            <NA>
                <DeviceName>SG2re</DeviceName>
                <DeviceID>2</DeviceID>
            </NA>
        </DeviceInfo>
        <EnableStitchingPoint>false</EnableStitchingPoint>
        <ServiceEndPoint>
            <InterfaceName>ge-0/0/5</InterfaceName>
            <InterfaceStatus>up</InterfaceStatus>
            <InterfaceID>26</InterfaceID>
            <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
                <OSPFAreaId>0.0.0.0</OSPFAreaId>
                <OSPFVersion>Ver 2</OSPFVersion>
                <EthernetOption>Dot1Q</EthernetOption>
                <AutoPickUnitID>true</AutoPickUnitID>
                <AutoPickVlanID>true</AutoPickVlanID>
                <InterfaceIP AutoPick="true" />
                <IPAddressPool>10.0.77.0/24</IPAddressPool>
                <IPBlockSize>30</IPBlockSize>
            </ServiceEndpointConfiguration>
        </ServiceEndPoint>
    </ServiceEndPointGroup>
</ServiceEndPointGroup>

```

```

<DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
  <DeviceInfo>
    <NA>
      <DeviceName>SG3re</DeviceName>
      <DeviceID>1</DeviceID>
    </NA>
  </DeviceInfo>
  <EnableStitchingPoint>false</EnableStitchingPoint>
  <ServiceEndPoint>
    <InterfaceName>ge-0/0/6</InterfaceName>
    <InterfaceStatus>up</InterfaceStatus>
    <InterfaceID>4</InterfaceID>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOspfEndPointConfigParameterOrderType">
      <OSPFAreaId>0.0.0.0</OSPFAreaId>
      <OSPFVersion>Ver 2</OSPFVersion>
      <EthernetOption>Dot1Q</EthernetOption>
      <AutoPickUnitID>true</AutoPickUnitID>
      <AutoPickVlanID>true</AutoPickVlanID>
      <InterfaceIP AutoPick="true" />
      <IPAddressPool>10.0.88.0/24</IPAddressPool>
      <IPBlockSize>30</IPBlockSize>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndValidate</Action>
  </CustomAction>
</Data>
"

```

Output

Sample XML Output

```
" "<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>163840</Value>
    </Identity>
    <Job>
      <ID>917513</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
  </Status>
</Data>"
"
```

Get an IP Service Order to Create an LSP

This request is used to retrieve an IP service order to create an LSP.

| | |
|--------------|---|
| URL | /api/space/nsas/l3vpn/service-management/service-orders/paging/<orderID> |
| HTTP Method | GET |
| Sample URL | https://192.0.2.10:8443/api/space/nsas/l3vpn/service-management/service-orders/paging/163840 |
| Accept | application/vnd.net.juniper.space.service-management.service-order+xml;version=2; |
| Content Type | application/vnd.net.juniper.space.service-management.service-order+xml;version=2;charset=UTF-8; |

Input

Not Applicable

Output

Sample XML Output

```

"<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder key="163840">
      uri="/api/space/nsas/l3vpn/service-management/service-orders/163840"
      href="/api/space/nsas/l3vpn/service-management/service-orders/163840">
        <Common>
          <Name>L3VPN_CreateLSP</Name>
          <Identity>163840</Identity>
          <State>Validated</State>
          <ScheduledState>Validated</ScheduledState>
          <CreatedDate>2018-06-20T21:03:32.000+05:30</CreatedDate>
          <LastUpdatedDate>2018-06-20T21:03:32.000+05:30</LastUpdatedDate>

          <CreatedBy>super</CreatedBy>
        </Common>
        <ServiceType>l3vpn</ServiceType>
        <JobIdsList>917513</JobIdsList>
        <EnableMVPN>false</EnableMVPN>
        <EnableMCLAG>false</EnableMCLAG>
        <LSPPattern
      href="/api/space/nsas/lsp-pattern/service-management/service-patterns/1"
      uri="/api/space/nsas/lsp-pattern/service-management/service-patterns/1"
      key="1">
          <PatternName>Default LSP Pattern</PatternName>
          <PatternID>1</PatternID>
        </LSPPattern>
        <Action>Provisioning</Action>
        <endpointcount>2</endpointcount>
        <ServiceEndPointGroup>
          <DeviceInfo>
            <NA key="2" uri="/api/space/nsas/device-roles/pe-devices/2"
      href="/api/space/nsas/device-roles/pe-devices/2">
              <DeviceName>SG2re</DeviceName>
              <DeviceID>2</DeviceID>
            </NA>
          </DeviceInfo>
          <ServicePolicyBean />
          <ServiceEndPoint>
            <InterfaceName>ge-0/0/5</InterfaceName>
            <InterfaceId>26</InterfaceId>
            <ServiceEndpointConfiguration

```

```

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOspfEndPointConfigParameterOrderType">
    <RoutingProtocol>OSPF</RoutingProtocol>
    <EthernetOption>Dot1Q</EthernetOption>
    <UnitID>3</UnitID>
    <VlanId>3</VlanId>
    <InterfaceIP>10.0.77.13/30</InterfaceIP>
    <MTU>0</MTU>
    <RouteDistinguisher>100:10</RouteDistinguisher>
    <OSPFAreaId>0.0.0.0</OSPFAreaId>
    <OSPFVersion>Ver 2</OSPFVersion>
</ServiceEndpointConfiguration>
<ServiceTemplates />
    <ServiceEndpointID>0</ServiceEndpointID>
</ServiceEndPoint>
<EnableLoopback>false</EnableLoopback>
<EnableStitchingPoint>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA key="1" uri="/api/space/nsas/device-roles/pe-devices/1"
href="/api/space/nsas/device-roles/pe-devices/1">
            <DeviceName>SG3re</DeviceName>
            <DeviceID>1</DeviceID>
        </NA>
    </DeviceInfo>
    <ServicePolicyBean />
    <ServiceEndPoint>
        <InterfaceName>ge-0/0/6</InterfaceName>
        <InterfaceId>4</InterfaceId>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOspfEndPointConfigParameterOrderType">
            <RoutingProtocol>OSPF</RoutingProtocol>
            <EthernetOption>Dot1Q</EthernetOption>
            <UnitID>2</UnitID>
            <VlanId>2</VlanId>
            <InterfaceIP>10.0.88.5/30</InterfaceIP>
            <MTU>0</MTU>
            <RouteDistinguisher>100:11</RouteDistinguisher>
            <OSPFAreaId>0.0.0.0</OSPFAreaId>
            <OSPFVersion>Ver 2</OSPFVersion>

```

```

        </ServiceEndpointConfiguration>
        <ServiceTemplates />
        <ServiceEndpointID>0</ServiceEndpointID>
    </ServiceEndPoint>
    <EnableLoopback>>false</EnableLoopback>
    <EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNConfigParameterOrderType">
    <RouteTarget>100:8</RouteTarget>
    <RouteDistinguisher />
    <VRFTabelLabel>>true</VRFTabelLabel>
    <ExportDirectRoutes>>true</ExportDirectRoutes>
    <AutoExportRoutes>>true</AutoExportRoutes>
    <PolicyBasedRT>>true</PolicyBasedRT>
</ServiceOrderParameter>
<Reference>
    <Customer uri="/api/space/nsas/customer-management/customers/1"
href="/api/space/nsas/customer-management/customers/1" key="1">
        <CustomerName>Juniper</CustomerName>
    </Customer>
    <ServiceDefinition>
        <ServiceDefinitionID
uri="/api/space/nsas/l3vpn/service-management/service-definitions/65537"
href="/api/space/nsas/l3vpn/service-management/service-definitions/65537"
key="65537">
            <ServiceDefinitionName>L3VPN-OSPF-Static</ServiceDefinitionName>
        </ServiceDefinitionID>
    </ServiceDefinition>
    <Service
uri="/api/space/nsas/l3vpn/service-management/services/131072"
href="/api/space/nsas/l3vpn/service-management/services/131072"
key="131072" />
    </Reference>
    <LspServiceDefinition>
        <ServiceDefinitionID
uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/8"
href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/8"
key="8">
            <ServiceDefinitionName>FullMesh LSP with Node Link

```

```
Protection</ServiceDefinitionName>
    </ServiceDefinitionID>
    </LspServiceDefinition>
    <LspId>131072</LspId>
  </ServiceOrder>
</ServiceResource>
</Data>"
"
```

Create an IP Service Order to Associate an LSP

This request is used to create an IP service order for associating it with an LSP.

| | |
|---------------|--|
| URL | /api/space/nsas/csd/service-order |
| HTTP Method | POST |
| Sample URL | https://192.0.2.10:8443/api/space/nsas/csd/service-order |
| Accept Header | application/xml |
| Content Type | application/xml |

Input

```
" "<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Reference>
        <Customer key="1" />
        <ServiceDefinition>
          <ServiceDefinitionID key="65537" />
        </ServiceDefinition>
        <Service key="undefined" />
      </Reference>
      <Common>
        <Name>IP_AssociateLSP</Name>
        <CustomerName>Juniper</CustomerName>
        <CreatedBy>super</CreatedBy>
```

```

        </Common>
        <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNConfigParameterOrderType">
            <RouteTarget AutoPick="true">true</RouteTarget>
            <OSPFVersion>Ver 2</OSPFVersion>
            <VRFTabelLabel>true</VRFTabelLabel>
            <AutoExportRoutes>true</AutoExportRoutes>
        </ServiceOrderParameter>
        <ServiceEndPointGroup>
            <DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
            <DeviceInfo>
                <NA>
                    <DeviceName>SG2re</DeviceName>
                    <DeviceID>2</DeviceID>
                </NA>
            </DeviceInfo>
            <EnableStitchingPoint>false</EnableStitchingPoint>
            <ServiceEndPoint>
                <InterfaceName>ge-0/0/5</InterfaceName>
                <InterfaceStatus>up</InterfaceStatus>
                <InterfaceID>26</InterfaceID>
                <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOspfEndPointConfigParameterOrderType">
                    <OSPFAreaId>0.0.0.0</OSPFAreaId>
                    <OSPFVersion>Ver 2</OSPFVersion>
                    <EthernetOption>Dot1Q</EthernetOption>
                    <AutoPickUnitID>true</AutoPickUnitID>
                    <AutoPickVlanID>true</AutoPickVlanID>
                    <InterfaceIP AutoPick="true" />
                    <IPAddressPool>10.0.77.0/24</IPAddressPool>
                    <IPBlockSize>30</IPBlockSize>
                    <LSPRegex>$Name_to_$EgressAddress</LSPRegex>
                </ServiceEndpointConfiguration>
            </ServiceEndPoint>
        </ServiceEndPointGroup>
        <ServiceEndPointGroup>
            <DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
            <DeviceInfo>
                <NA>
                    <DeviceName>SG3re</DeviceName>
                    <DeviceID>1</DeviceID>
                </NA>
            </DeviceInfo>
        </ServiceEndPointGroup>
    </ServiceOrderParameter>

```

```

        </DeviceInfo>
        <EnableStitchingPoint>false</EnableStitchingPoint>
        <ServiceEndPoint>
            <InterfaceName>ge-0/0/6</InterfaceName>
            <InterfaceStatus>up</InterfaceStatus>
            <InterfaceID>4</InterfaceID>
            <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
                <OSPFAreaId>0.0.0.0</OSPFAreaId>
                <OSPFVersion>Ver 2</OSPFVersion>
                <EthernetOption>Dot1Q</EthernetOption>
                <AutoPickUnitID>true</AutoPickUnitID>
                <AutoPickVlanID>true</AutoPickVlanID>
                <InterfaceIP AutoPick="true" />
                <IPAddressPool>10.0.77.0/24</IPAddressPool>
                <IPBlockSize>30</IPBlockSize>
                <LSPRegex>$Name_to_$EgressAddress</LSPRegex>
            </ServiceEndpointConfiguration>
        </ServiceEndPoint>
    </ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
    <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
        <Action>SaveAndValidate</Action>
    </CustomAction>
</Data>
"

```

Output

Sample XML Output

```

"<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
        <Identity>
            <Type>ServiceOrder</Type>
            <Value>163841</Value>
        </Identity>
        <Job>

```

```

        <ID>917516</ID>
        <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
    </Status>
</Data>"
"
```

Get an IP Service Order to Associate an LSP

This request is used to retrieve an IP service order for associating it with an LSP.

| | |
|--------------|---|
| URL | /api/space/nsas/l3vpn/service-management/service-orders/paging/<orderID> |
| HTTP Method | GET |
| Sample URL | https://192.0.2.10:8443/api/space/nsas/l3vpn/service-management/service-orders/paging/163840 |
| Accept | application/vnd.net.juniper.space.service-management.service-order+xml;version=2; |
| Content Type | application/vnd.net.juniper.space.service-management.service-order+xml;version=2;charset=UTF-8; |

Input

Not Applicable

Output

Sample XML Output

```

"<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder key="163841"
uri="/api/space/nsas/l3vpn/service-management/service-orders/163841"
```

```

href="/api/space/nsas/l3vpn/service-management/service-orders/163841">
  <Common>
    <Name>IP_AssociateLSP</Name>
    <Identity>163841</Identity>
    <State>Validated</State>
    <ScheduledState>Validated</ScheduledState>
    <CreatedDate>2018-06-20T21:33:04.000+05:30</CreatedDate>
    <LastUpdatedDate>2018-06-20T21:33:03.000+05:30</LastUpdatedDate>

    <CreatedBy>super</CreatedBy>
  </Common>
  <ServiceType>l3vpn</ServiceType>
  <JobIdsList>917516</JobIdsList>
  <EnableMVPN>false</EnableMVPN>
  <EnableMCLAG>false</EnableMCLAG>
  <Action>Provisioning</Action>
  <endpointcount>2</endpointcount>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA key="2" uri="/api/space/nsas/device-roles/pe-devices/2"
href="/api/space/nsas/device-roles/pe-devices/2">
        <DeviceName>SG2re</DeviceName>
        <DeviceID>2</DeviceID>
      </NA>
    </DeviceInfo>
    <ServicePolicyBean />
    <ServiceEndPoint>
      <InterfaceName>ge-0/0/5</InterfaceName>
      <InterfaceId>26</InterfaceId>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOspfEndPointConfigParameterOrderType">
        <RoutingProtocol>OSPF</RoutingProtocol>
        <EthernetOption>Dot1Q</EthernetOption>
        <UnitID>4</UnitID>
        <VlanId>4</VlanId>
        <InterfaceIP>10.0.77.17/30</InterfaceIP>
        <MTU>0</MTU>
        <LSPRegex>$Name_to_$EgressAddress</LSPRegex>
        <RouteDistinguisher>100:12</RouteDistinguisher>
        <OSPFAreaId>0.0.0.0</OSPFAreaId>
        <OSPFVersion>Ver 2</OSPFVersion>

```

```

        </ServiceEndpointConfiguration>
        <ServiceTemplates />
        <ServiceEndpointID>0</ServiceEndpointID>
    </ServiceEndPoint>
    <EnableLoopback>>false</EnableLoopback>
    <EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA key="1" uri="" /api/space/nsas/device-roles/pe-devices/1"
href="" /api/space/nsas/device-roles/pe-devices/1">
            <DeviceName>SG3re</DeviceName>
            <DeviceID>1</DeviceID>
        </NA>
    </DeviceInfo>
    <ServicePolicyBean />
    <ServiceEndPoint>
        <InterfaceName>ge-0/0/6</InterfaceName>
        <InterfaceId>4</InterfaceId>
        <ServiceEndpointConfiguration
xmlns:xsi=""http://www.w3.org/2001/XMLSchema-instance""
xsi:type=""L3VPNFMOspfEndPointConfigParameterOrderType"">
            <RoutingProtocol>OSPF</RoutingProtocol>
            <EthernetOption>Dot1Q</EthernetOption>
            <UnitID>3</UnitID>
            <VlanId>3</VlanId>
            <InterfaceIP>10.0.77.21/30</InterfaceIP>
            <MTU>0</MTU>
            <LSPRegex>$Name_to_$EgressAddress</LSPRegex>
            <RouteDistinguisher>100:13</RouteDistinguisher>
            <OSPFAreaId>0.0.0.0</OSPFAreaId>
            <OSPFVersion>Ver 2</OSPFVersion>
        </ServiceEndpointConfiguration>
        <ServiceTemplates />
        <ServiceEndpointID>0</ServiceEndpointID>
    </ServiceEndPoint>
    <EnableLoopback>>false</EnableLoopback>
    <EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter
xmlns:xsi=""http://www.w3.org/2001/XMLSchema-instance""
xsi:type=""L3VPNConfigParameterOrderType"">

```

```

        <RouteTarget>100:9</RouteTarget>
        <RouteDistinguisher />
        <VRFTabelLabel>true</VRFTabelLabel>
        <ExportDirectRoutes>true</ExportDirectRoutes>
        <AutoExportRoutes>true</AutoExportRoutes>
        <PolicyBasedRT>true</PolicyBasedRT>
    </ServiceOrderParameter>
    <Reference>
        <Customer uri="/api/space/nsas/customer-management/customers/1"
href="/api/space/nsas/customer-management/customers/1" key="1">
            <CustomerName>Juniper</CustomerName>
        </Customer>
        <ServiceDefinition>
            <ServiceDefinitionID
uri="/api/space/nsas/l3vpn/service-management/service-definitions/65537"
href="/api/space/nsas/l3vpn/service-management/service-definitions/65537"
key="65537">

        <ServiceDefinitionName>L3VPN-OSPF-Static</ServiceDefinitionName>
            </ServiceDefinitionID>
        </ServiceDefinition>
        <Service
uri="/api/space/nsas/l3vpn/service-management/services/131073"
href="/api/space/nsas/l3vpn/service-management/services/131073"
key="131073" />
    </Reference>
</ServiceOrder>
</ServiceResource>
</Data>
"

```

IP Services Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director IP Services Management RESTful Web Services.

Get a Full-Mesh IP Service with Loopback Service By Service ID

This request is used to retrieve the details of a particular full-mesh IP service with loopback service.

| | |
|-------------|--|
| URI | api/space/nsas/l3vpn/service-management/services/<serviceId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml |
| Produces | Collects the details of a specific IP service with loopback service. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service href="/api/space/nsas/l3vpn/servicemanagement/services/1736717"
      uri="/api/space/nsas/l3vpn/servicemanagement/services/1736717"
      key="1736717">
      <Common>
        <Name>FullMesh</Name>
        <Identity>1736717</Identity>
        <State>Deployed</State>
        <Comments>test</Comments>
        <CreatedDate>20130606T11:07:13.000+05:30</CreatedDate>
        <LastUpdatedDate>20130606T11:07:13.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>L3VPN</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
        <SLAStatus>None</SLAStatus>
      </AuditFlag>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/deviceroles/pedevices/1704067"
            uri="/api/space/nsas/deviceroles/pedevices/1704067"
```

```

        key="1704067">
        <DeviceName>jaipur</DeviceName>
        <DeviceID>1704067</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge0/0/3</InterfaceName>
    <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNFMBGPEndPointConfigParameterServiceType">
        <RoutingProtocol>BGP</RoutingProtocol>
        <EthernetOption>Vlan</EthernetOption>
        <VlanId>2</VlanId>
        <UnitID>0</UnitID>
        <InterfaceIP>10.0.88.1</InterfaceIP>
        <PeerAS>3</PeerAS>
        <NeighborIP>10.0.88.2</NeighborIP>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA href="/api/space/nsas/deviceroles/pedevices/1704067"
uri="/api/space/nsas/deviceroles/pedevices/1704067"
        key="1704067">
        <DeviceName>jaipur</DeviceName>
        <DeviceID>1704067</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>lo0</InterfaceName>
    <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNFMBGPEndPointConfigParameterServiceType">
        <RoutingProtocol>BGP</RoutingProtocol>
        <EthernetOption>Vlan</EthernetOption>
        <VlanId>0</VlanId>
        <UnitID>0</UnitID>
        <InterfaceIP>10.0.88.5</InterfaceIP>
        <PeerAS>10</PeerAS>
        <NeighborIP>10.0.88.6</NeighborIP>

```

```

    </ServiceEndPointConfiguration>
    <ServiceTemplates />
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
  xsi:type="L3VPNConfigParameterServiceType">
  <RouteTarget>100:5619714</RouteTarget>
  <RouteDistinguisher>100:47349761</RouteDistinguisher>
  <VRFTabelLabel>Enabled</VRFTabelLabel>
  <ASOverride>true</ASOverride>
  <MaximumPrefixes>2</MaximumPrefixes>
</ServiceParameters>
<Reference>
  <ServiceOrder key="1736704"
    href="/api/space/nsas/l3vpn/servicemanagement/serviceorders/1736704"
    uri="/api/space/nsas/l3vpn/servicemanagement/serviceorders/1736704" />
  <ServiceDefinition>
    <ServiceDefinitionID key="393216"
      href="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/393216"
      uri="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/393216"
    />
  </ServiceDefinition>
  <Customer key="1704096"
    href="/api/space/nsas/customermanagement/customers/1704096"
    uri="/api/space/nsas/customermanagement/customers/1704096" />
  </Reference>
</Service>
</ServiceResource>
</Data>
```

Get a Hub-and-Spoke IP Service with Loopback Service By Service ID

This request is used to retrieve the details of a particular hub-and-spoke IP service with loopback service.

| | |
|-------------|--|
| URI | api/space/nsas/l3vpn/service-management/ services/<serviceId> |
| HTTP Method | GET |

| | |
|----------|--|
| Consumes | application/vnd.net.juniper.space.service-management.services+xml |
| Produces | Collects the details of a specific IP service with loopback service. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service href="/api/space/nsas/l3vpn/servicemanagement/services/1736746"
      uri="/api/space/nsas/l3vpn/servicemanagement/services/1736746"
      key="1736746">
      <Common>
        <Name>HubSpoke</Name>
        <Identity>1736746</Identity>
        <State>Deployed</State>
        <Comments>test</Comments>
        <CreatedDate>20130606T11:09:38.000+05:30</CreatedDate>
        <LastUpdatedDate>20130606T11:09:38.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>L3VPN</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
        <SLAStatus>None</SLAStatus>
      </AuditFlag>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/deviceroles/pedevices/1704067"
            uri="/api/space/nsas/deviceroles/pedevices/1704067"
            key="1704067">
            <DeviceName>jaipur</DeviceName>
            <DeviceID>1704067</DeviceID>
          </NA>
        </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge0/0/3</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance">
```

```

xsi:type="L3VPNHSOSPFEndPointConfigParameterServiceType">
    <RoutingProtocol>OSPF</RoutingProtocol>
    <EthernetOption>Vlan</EthernetOption>
    <VlanId>3</VlanId>
    <UnitID>0</UnitID>
    <InterfaceIP>10.0.88.9</InterfaceIP>
    <Hub>true</Hub>
    <OSPFAreaId>0.0.0.0</OSPFAreaId>
    <OSPFVersion>Ver 2</OSPFVersion>
</ServiceEndpointConfiguration>
<ServiceTemplates />
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA href="/api/space/nsas/deviceroles/pedevices/1704067"
uri="/api/space/nsas/deviceroles/pedevices/1704067"
        key="1704067">
            <DeviceName>jaipur</DeviceName>
            <DeviceID>1704067</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>lo0</InterfaceName>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNHSOSPFEndPointConfigParameterServiceType">
            <RoutingProtocol>OSPF</RoutingProtocol>
            <EthernetOption>Vlan</EthernetOption>
            <VlanId>0</VlanId>
            <UnitID>0</UnitID>
            <InterfaceIP>10.0.88.6</InterfaceIP>
            <Hub>false</Hub>
            <OSPFAreaId>0.0.0.0</OSPFAreaId>
            <OSPFVersion>Ver 2</OSPFVersion>
        </ServiceEndpointConfiguration>
        <ServiceTemplates />
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNConfigParameterServiceType">
    <VRFTabelLabel>Enabled</VRFTabelLabel>

```

```
<HubRouteTarget>100:5619715</HubRouteTarget>
<SpokeRouteTarget>100:5619716</SpokeRouteTarget>
</ServiceParameters>
<Reference>
  <ServiceOrder key="1736733"
    href="/api/space/nsas/l3vpn/servicemanagement/serviceorders/1736733"
    uri="/api/space/nsas/l3vpn/servicemanagement/serviceorders/1736733" />
  <ServiceDefinition>
    <ServiceDefinitionID key="393244"
      href="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/393244"
      uri="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/393244"
    />
  </ServiceDefinition>
  <Customer key="1704096"
    href="/api/space/nsas/customermanagement/customers/1704096"
    uri="/api/space/nsas/customermanagement/customers/1704096" />
  </Reference>
</Service>
</ServiceResource>
</Data>
```

Get an IP Service with Manual Route Distinguisher and Route Target By Service ID

This request is used to retrieve the details of a particular IP service with manually-configured route distinguisher and route target.

| | |
|-------------|--|
| URI | api/space/nsas/l3vpn/service-management/services/<serviceId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management-services+xml |
| Produces | Collects the details of a specific IP service with manually-configured route distinguisher and route target. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
      <Service href="/api/space/nsas/l3vpn/servicemanagement/services/1605706"
uri="/api/space/nsas/l3vpn/servicemanagement/services/1605706" key="1605706">

        <Common>
          <Name>RDRTManual</Name>
          <Identity>1605706</Identity>
          <State>Deployed</State>
          <Comments>
          </Comments>
          <CreatedDate>20121216T19:56:53.000+05:30</CreatedDate>
          <LastUpdatedDate>20121216T19:56:53.000+05:30</LastUpdatedDate>
        </Common>
        <ServiceType>L3VPN</ServiceType>
        <AuditFlag>
          <FunctionalAudit>Pending</FunctionalAudit>
          <FaultStatus>None</FaultStatus>
        </AuditFlag>
        <ServiceEndPointGroup>
          <DeviceInfo>
            <NA href="/api/space/nsas/deviceroles/pedevices/721075"
uri="/api/space/nsas/deviceroles/pedevices/721075" key="721075">
              <DeviceName>embassy</DeviceName>
              <DeviceID>721075</DeviceID>
            </NA>
          </DeviceInfo>
          <ServiceEndPoint>
            <InterfaceName>ge1/0/9</InterfaceName>
            <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNFMOspfEndPointConfigParameterServiceType">
              <RoutingProtocol>OSPF</RoutingProtocol>
              <EthernetOption>Vlan</EthernetOption>
              <VlanId>3</VlanId>
              <UnitID>0</UnitID>
              <InterfaceIP>10.0.77.5</InterfaceIP>
              <OSPFAreaId>0.0.0.0</OSPFAreaId>
              <OSPFVersion>Ver 2</OSPFVersion>
            </ServiceEndpointConfiguration>
          </ServiceEndPoint>

```

```

    </ServiceEndPointGroup>
    <ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNConfigParameterServiceType">
    <RouteTarget>10:2</RouteTarget>
    <RouteDistinguisher>10:2</RouteDistinguisher>
    <VRFTabelLabel>Enabled</VRFTabelLabel>
    </ServiceParameters>
    <Reference>
    <ServiceOrder key="1605699"
href="/api/space/nsas/l3vpn/servicemanagement/serviceorders/1605699"
uri="/api/space/nsas/l3vpn/servicemanagement/serviceorders/1605699"/>
    <ServiceDefinition>
    <ServiceDefinitionID key="1605682"
href="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/1605682"
uri="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/1605682"/>
    </ServiceDefinition>
    <Customer key="720896"
href="/api/space/nsas/customermanagement/customers/720896"
uri="/api/space/nsas/customermanagement/customers/720896"/>
    </Reference>
    </Service>
  </ServiceResource>
</Data>

```

Get All IP Services

This request is used to retrieve all the configured IP services.

| | |
|-------------|--|
| URI | api/space/nsas/l3vpn/service-management/services |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.servicesxml |
| Produces | Collects all the configured IP services. |

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="4">
    <Service href="/api/space/nsas/l3vpn/servicemanagement/services/360513"
      uri="/api/space/nsas/l3vpn/servicemanagement/services/360513" key="360513">

      <Common>
        <Name>L3VPNBGPFFMService</Name>
        <Identity>360513</Identity>
        <State>Deployed</State>
        <Comments>L3VPNBGPFFMService</Comments>
        <CreatedDate>20120906T15:10:06.000+05:30</CreatedDate>
        <LastUpdatedDate>20120906T15:10:06.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>L3VPN</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
      </AuditFlag>
      <Reference>
        <ServiceOrder key="360500"
          href="/api/space/nsas/l3vpn/servicemanagement/serviceorders/360500"
          uri="/api/space/nsas/l3vpn/servicemanagement/serviceorders/360500" />
        <ServiceDefinition>
          <ServiceDefinitionID key="360448"
            href="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/360448"

            uri="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/360448"
          />
        </ServiceDefinition>
        <Customer key="557278"
          href="/api/space/nsas/customermanagement/customers/557278"
          uri="/api/space/nsas/customermanagement/customers/557278" />
        </Reference>
      </Service>
      <Service href="/api/space/nsas/l3vpn/servicemanagement/services/786452"
        uri="/api/space/nsas/l3vpn/servicemanagement/services/786452" key="786452">

        <Common>
          <Name>L3VPPOSPPFFMService</Name>
          <Identity>786452</Identity>
          <State>Deployed</State>
          <Comments>L3VPPOSPPFFMService</Comments>

```

```

    <CreateDate>20120907T17:15:29.000+05:30</CreateDate>
    <LastUpdatedDate>20120908T11:19:30.000+05:30</LastUpdatedDate>
  </Common>
  <ServiceType>L3VPN</ServiceType>
  <AuditFlag>
    <FunctionalAudit>Pending</FunctionalAudit>
    <FaultStatus>None</FaultStatus>
  </AuditFlag>
  <Reference>
    <ServiceOrder key="786439"
      href="/api/space/nsas/l3vpn/servicemanagement/serviceorders/786439"
      uri="/api/space/nsas/l3vpn/servicemanagement/serviceorders/786439" />
    <ServiceDefinition>
      <ServiceDefinitionID key="360461"
        href="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/360461"
        uri="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/360461"
      />
    </ServiceDefinition>
    <Customer key="557278"
      href="/api/space/nsas/customermanagement/customers/557278"
      uri="/api/space/nsas/customermanagement/customers/557278" />
    </Reference>
  </Service>
  <Service href="/api/space/nsas/l3vpn/servicemanagement/services/983167"
    uri="/api/space/nsas/l3vpn/servicemanagement/services/983167" key="983167">

    <Common>
      <Name>L3VPNHSBGPSservice</Name>
      <Identity>983167</Identity>
      <State>Deployed</State>
      <Comments>L3VPNHSBGPSservice</Comments>
      <CreateDate>20120908T11:53:49.000+05:30</CreateDate>
      <LastUpdatedDate>20120908T13:55:50.000+05:30</LastUpdatedDate>
    </Common>
    <ServiceType>L3VPN</ServiceType>
    <AuditFlag>
      <FunctionalAudit>Pending</FunctionalAudit>
      <FaultStatus>None</FaultStatus>
    </AuditFlag>
    <Reference>
      <ServiceOrder key="983154"

```

```

    href="/api/space/nsas/l3vpn/servicemanagement/serviceorders/983154"
    uri="/api/space/nsas/l3vpn/servicemanagement/serviceorders/983154" />
  <ServiceDefinition>
    <ServiceDefinitionID key="360487"
    href="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/360487"

    uri="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/360487"
  />
</ServiceDefinition>
<Customer key="557278"
  href="/api/space/nsas/customermanagement/customers/557278"
uri="/api/space/nsas/customermanagement/customers/557278" />
</Reference>
</Service>
<Service href="/api/space/nsas/l3vpn/servicemanagement/services/983303"
uri="/api/space/nsas/l3vpn/servicemanagement/services/983303" key="983303">

  <Common>
    <Name>L3VPNHSOSPFSERVICE</Name>
    <Identity>983303</Identity>
    <State>Deployed</State>
    <Comments>L3VPNHSOSPFSERVICE</Comments>
    <CreatedDate>20120908T14:00:13.000+05:30</CreatedDate>
    <LastUpdatedDate>20120908T15:10:05.000+05:30</LastUpdatedDate>
  </Common>
  <ServiceType>L3VPN</ServiceType>
  <AuditFlag>
    <FunctionalAudit>Pending</FunctionalAudit>
    <FaultStatus>None</FaultStatus>
  </AuditFlag>
  <Reference>
    <ServiceOrder key="983290"
      href="/api/space/nsas/l3vpn/servicemanagement/serviceorders/983290"
      uri="/api/space/nsas/l3vpn/servicemanagement/serviceorders/983290" />
    <ServiceDefinition>
      <ServiceDefinitionID key="360474"
        href="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/360474"

        uri="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/360474"
    />
  </ServiceDefinition>
  <Customer key="557278"

```

```
        href="/api/space/nsas/customermanagement/customers/557278"
uri="/api/space/nsas/customermanagement/customers/557278" />
    </Reference>
  </Service>
</ServiceResource>
</Data>
```

Get All IP Services By Customer ID or Name

This request is used to retrieve all the configured IP services based on customer name or customer ID.

| | |
|-------------|--|
| URI | api/space/nsas/l3vpn/service-management/ services?customerId=360448 api/space/nsas/l3vpn/service-management/ services?customerName=Customer_005 |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. services+xml;version=2 |
| Produces | Collects all the configured IP services based on the customer name or ID. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="2">
    <Service href="/api/space/nsas/l3vpn/servicemanagement/services/360513"
uri="/api/space/nsas/l3vpn/servicemanagement/services/360513" key="360513">

    <Common>
      <Name>L3VPNBGPFMService</Name>
      <Identity>360513</Identity>
```

```

    <State>Deployed</State>
    <Comments>L3VPNBGPFFMService</Comments>
    <CreatedDate>20120906T15:10:06.000+05:30</CreatedDate>
    <LastUpdatedDate>20120906T15:10:06.000+05:30</LastUpdatedDate>
  </Common>
  <ServiceType>L3VPN</ServiceType>
  <AuditFlag>
    <FunctionalAudit>Pending</FunctionalAudit>
    <FaultStatus>None</FaultStatus>
  </AuditFlag>
  <Reference>
    <ServiceOrder key="360500"
      href="/api/space/nsas/l3vpn/servicemanagement/serviceorders/360500"
      uri="/api/space/nsas/l3vpn/servicemanagement/serviceorders/360500" />
    <ServiceDefinition>
      <ServiceDefinitionID key="360448"
        href="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/360448"
        uri="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/360448"
      />
    </ServiceDefinition>
    <Customer key="557278"
      href="/api/space/nsas/customermanagement/customers/557278"
      uri="/api/space/nsas/customermanagement/customers/557278" />
    </Reference>
  </Service>
  <Service href="/api/space/nsas/l3vpn/servicemanagement/services/786452"
    uri="/api/space/nsas/l3vpn/servicemanagement/services/786452" key="786452">

    <Common>
      <Name>L3VPPOSPFFMService</Name>
      <Identity>786452</Identity>
      <State>Deployed</State>
      <Comments>L3VPPOSPFFMService</Comments>
      <CreatedDate>20120907T17:15:29.000+05:30</CreatedDate>
      <LastUpdatedDate>20120908T11:19:30.000+05:30</LastUpdatedDate>
    </Common>
    <ServiceType>L3VPN</ServiceType>
    <AuditFlag>
      <FunctionalAudit>Pending</FunctionalAudit>
      <FaultStatus>None</FaultStatus>
    </AuditFlag>

```

```
<Reference>
  <ServiceOrder key="786439"
    href="/api/space/nsas/l3vpn/servicemanagement/serviceorders/786439"
    uri="/api/space/nsas/l3vpn/servicemanagement/serviceorders/786439" />
  <ServiceDefinition>
    <ServiceDefinitionID key="360461"
      href="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/360461"

      uri="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/360461"
    />
  </ServiceDefinition>
  <Customer key="557278"
    href="/api/space/nsas/customermanagement/customers/557278"
uri="/api/space/nsas/customermanagement/customers/557278" />
  </Reference>
</Service>

</ServiceResource>
</Data>
```

Get All IP Services with Pagination, Search, and Filter

This request is used to retrieve all the configured IP services with pagination, and to filter the results based on the search criteria

| | |
|-------------|--|
| URI | api/space/nsas/l3vpn/service-management/services ?start=2&limit=3&sortorder=asc&sortedby=Name&filteredby="Name:L3vpn" api/space/nsas/l3vpn/service-management/services ?start=2&limit=3 api/space/nsas/l3vpn/service-management/services ?paging=(start eq 2, limit eq 3) |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. services+xml;version=2 |

Produces

Collects all the configured IP services with pagination applied, and with a filtered result-set that matches the search criteria

NOTE: For service orders, you can sort with “sortedby=CreatedDate” and “sortedby=State”.

For Start and Limit attributes, you can provide integer values based on your requirement to sort and filter the API output. Sortorder can be “asc” and “desc”. The SortedBy attribute differs based on the APIs. For service orders, the SortedBy option can be “CtreatedDate”, “State”. For services, the SortedBy option can be “Name”, “LastModifiedDate”. The FilteredBy attribute differs based on the APIs. For service orders, the FilteredBy option can be “Name” and “State”. For services, the FilteredBy option can be “Name”.

If you enter “paging=(starteq 2, limit eq 3)”, which is not a single integer value, the display is according to index of records. In this case, it shows from the first indexed record to the third indexed record. If you enter “start=2&limit=3”, it starts from the second record and displays the next three records in all.

You can specify multiple key:value pairs with the FilteredBy attribute. For example, to get service orders, you can use Get ServiceOrders with Name and State as “filteredby=Name::L3VPN@@State::Invalid”. Similarly, to get service orders, you can use with Name OR state “filteredby=Name::L3VPN!! State::Invalid”.

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="2">
    <Service href="/api/space/nsas/l3vpn/servicemanagement/services/360513"
      uri="/api/space/nsas/l3vpn/servicemanagement/services/360513" key="360513">

      <Common>
        <Name>L3VPNBGPFMService</Name>
        <Identity>360513</Identity>
        <State>Deployed</State>
        <Comments>L3VPNBGPFMService</Comments>
        <CreatedDate>20120906T15:10:06.000+05:30</CreatedDate>
        <LastUpdatedDate>20120906T15:10:06.000+05:30</LastUpdatedDate>
      </Common>
    </Service>
  </ServiceResource>
</Data>
```

```

</Common>
<ServiceType>L3VPN</ServiceType>
<AuditFlag>
  <FunctionalAudit>Pending</FunctionalAudit>
  <FaultStatus>None</FaultStatus>
</AuditFlag>
<Reference>
  <ServiceOrder key="360500"
    href="/api/space/nsas/l3vpn/servicemanagement/serviceorders/360500"
    uri="/api/space/nsas/l3vpn/servicemanagement/serviceorders/360500" />
  <ServiceDefinition>
    <ServiceDefinitionID key="360448"
      href="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/360448"
      uri="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/360448"
    />
  </ServiceDefinition>
  <Customer key="557278"
    href="/api/space/nsas/customermanagement/customers/557278"
    uri="/api/space/nsas/customermanagement/customers/557278" />
  </Reference>
</Service>
<Service href="/api/space/nsas/l3vpn/servicemanagement/services/786452"
  uri="/api/space/nsas/l3vpn/servicemanagement/services/786452" key="786452">

  <Common>
    <Name>L3VPPOSPFFMService</Name>
    <Identity>786452</Identity>
    <State>Deployed</State>
    <Comments>L3VPPOSPFFMService</Comments>
    <CreatedDate>20120907T17:15:29.000+05:30</CreatedDate>
    <LastUpdatedDate>20120908T11:19:30.000+05:30</LastUpdatedDate>
  </Common>
  <ServiceType>L3VPN</ServiceType>
  <AuditFlag>
    <FunctionalAudit>Pending</FunctionalAudit>
    <FaultStatus>None</FaultStatus>
  </AuditFlag>
  <Reference>
    <ServiceOrder key="786439"
      href="/api/space/nsas/l3vpn/servicemanagement/serviceorders/786439"
      uri="/api/space/nsas/l3vpn/servicemanagement/serviceorders/786439" />

```

```
<ServiceDefinition>
  <ServiceDefinitionID key="360461"
    href="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/360461"

    uri="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/360461"
  />
</ServiceDefinition>
<Customer key="557278"
  href="/api/space/nsas/customermanagement/customers/557278"
uri="/api/space/nsas/customermanagement/customers/557278" />
  </Reference>
</Service>

</ServiceResource>
</Data>
```

Get an IP Service By Service ID

This request is used to retrieve the details of a particular IP service.

| | |
|-------------|--|
| URI | api/space/nsas/l3vpn/service-management/ services/<serviceId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service+xml;version=2 |
| Produces | Collects the details of a specific IP service. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
```

```

<Service key="1278070"
  uri="/api/space/nsas/l3vpn/servicemanagement/services/1278070"
href="/api/space/nsas/l3vpn/servicemanagement/services/1278070">
  <Common>
    <Name>l3vpnospfstatc</Name>
    <Identity>1278070</Identity>
    <State>Deployed</State>
    <CreatedDate>20140709T15:12:11.000+05:30</CreatedDate>
    <LastUpdatedDate>20140709T15:12:11.000+05:30</LastUpdatedDate>
  </Common>
  <ServiceType>L3VPN</ServiceType>
  <EnableMVPN>>false</EnableMVPN>
  <AuditFlag>
    <FunctionalAudit>Pending</FunctionalAudit>
    <FaultStatus>None</FaultStatus>
    <SLAStatus>None</SLAStatus>
  </AuditFlag>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA key="786663" uri="/api/space/nsas/deviceroles/pedevices/786663"
href="/api/space/nsas/deviceroles/pedevices/786663">
        <DeviceName>junosspacel</DeviceName>
        <DeviceID>786663</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge0/2/0</InterfaceName>
      <InterfaceIndex>525</InterfaceIndex>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterServiceType">
        <UNIDescription>AEnd</UNIDescription>
        <RoutingProtocol>OSPF</RoutingProtocol>
        <EthernetOption>QinQ</EthernetOption>
        <UnitID>1</UnitID>
        <VlanId>1</VlanId>
        <InterfaceIP>10.0.77.5</InterfaceIP>
        <CustomerVlanType>Transport single vlan</CustomerVlanType>
        <CustomerVlan>212</CustomerVlan>
        <OuterTPID>0x8100</OuterTPID>
        <InnerTPID>0x8100</InnerTPID>
        <RouteDistinguisher>69:2147467297</RouteDistinguisher>

```

```

        <OSPFAreaId>0.0.0.0</OSPFAreaId>
        <OSPFVersion>Ver 2</OSPFVersion>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA key="786635" uri="/api/space/nsas/deviceroles/pedevices/786635"
            href="/api/space/nsas/deviceroles/pedevices/786635">
        <DeviceName>junosspace2</DeviceName>
        <DeviceID>786635</DeviceID>
    </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge0/2/1</InterfaceName>
        <InterfaceIndex>526</InterfaceIndex>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
            xsi:type="L3VPNFMOSPFEndPointConfigParameterServiceType">

            <UNIDescription>ZEnd</UNIDescription>
            <RoutingProtocol>OSPF</RoutingProtocol>
            <EthernetOption>DOT1Q</EthernetOption>
            <UnitID>1</UnitID>
            <VlanId>1</VlanId>
            <InterfaceIP>10.0.77.9</InterfaceIP>
            <RouteDistinguisher>69:2147467298</RouteDistinguisher>
            <OSPFAreaId>0.0.0.0</OSPFAreaId>
            <OSPFVersion>Ver 2</OSPFVersion>
        </ServiceEndpointConfiguration>
        <ServiceTemplates />
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
    xsi:type="L3VPNConfigParameterServiceType">
    <RouteTarget>69:1454096404</RouteTarget>
    <VRFTabelLabel>Enabled</VRFTabelLabel>
    <OSPFDomainID>10.10.10.10</OSPFDomainID>
</ServiceParameters>
<Reference>
    <ServiceOrder

```

```
uri="/api/space/nsas/l3vpn/servicemanagement/serviceorders/1278055"
href="/api/space/nsas/l3vpn/servicemanagement/serviceorders/1278055"
key="1278055" />
<ServiceDefinition>
  <ServiceDefinitionID
    uri="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/426002"

    href="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/426002"

    key="426002" />
  </ServiceDefinition>
  <Customer uri="/api/space/nsas/customermanagement/customers/557118"
    href="/api/space/nsas/customermanagement/customers/557118" key="557118"
  />
</Reference>
</Service>
</ServiceResource>
</Data>
```

Get an IP Service with Pseudowire Stitching By Service ID

This request is used to retrieve the details of a particular IP service with E-Line pseudowire stitching.

| | |
|-------------|--|
| URI | api/space/nsas/l3vpn/service-management/ services/<serviceId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service+xml;version=2 |
| Produces | Collects the details of a specific IP service with E-Line pseudowire stitching. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service href="/api/space/nsas/l3vpn/servicemanagement/services/327749"
      uri="/api/space/nsas/l3vpn/servicemanagement/services/327749" key="327749">

      <Common>
        <Name>Sti</Name>
        <Identity>327749</Identity>
        <State>Deployed</State>
        <CreatedDate>20130301T11:36:25.000+05:30</CreatedDate>
        <LastUpdatedDate>20130301T11:36:25.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>L3VPN</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Down</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
      </AuditFlag>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/deviceroles/pedevices/557158"
            uri="/api/space/nsas/deviceroles/pedevices/557158"
            key="557158">
            <DeviceName>junosspacel</DeviceName>
            <DeviceID>557158</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge0/1/3</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
            xsi:type="L3VPNFMBGPEndPointConfigParameterServiceType">
            <RoutingProtocol>BGP</RoutingProtocol>
            <EthernetOption>Vlan</EthernetOption>
            <VlanId>1</VlanId>
            <UnitID>0</UnitID>
            <InterfaceIP>10.0.88.5</InterfaceIP>
            <PeerAS>30</PeerAS>
            <NeighborIP>10.0.88.6</NeighborIP>
          </ServiceEndpointConfiguration>
          <ServiceTemplates />

```

```

    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA href="/api/space/nsas/deviceroles/pedevices/557126"
uri="/api/space/nsas/deviceroles/pedevices/557126"
      key="557126">
        <DeviceName>embassy</DeviceName>
        <DeviceID>557126</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge1/1/6</InterfaceName>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNFMBGPPEndPointConfigParameterServiceType">
        <RoutingProtocol>BGP</RoutingProtocol>
        <EthernetOption>Vlan</EthernetOption>
        <VlanId>3</VlanId>
        <UnitID>0</UnitID>
        <InterfaceIP>10.0.88.1</InterfaceIP>
        <PeerAS>3</PeerAS>
        <NeighborIP>10.0.88.2</NeighborIP>
      </ServiceEndpointConfiguration>
      <ServiceTemplates />
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA href="/api/space/nsas/deviceroles/pedevices/557126"
uri="/api/space/nsas/deviceroles/pedevices/557126"
      key="557126">
        <DeviceName>embassy</DeviceName>
        <DeviceID>557126</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>lt1/3/10</InterfaceName>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNFMBGPPEndPointConfigParameterServiceType">
        <EthernetOption>Port</EthernetOption>

```

```

        <InterfaceIP>10.0.99.1</InterfaceIP>
        <PeerAS>0</PeerAS>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
</ServiceEndPoint>
<PWExtension>
    <Device>kochin</Device>
    <Interface>ge0/0/5</Interface>
    <VCId>2147467267</VCId>
</PWExtension>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA href="/api/space/nsas/deviceroles/pedevices/557126"
uri="/api/space/nsas/deviceroles/pedevices/557126"
        key="557126">
            <DeviceName>embassy</DeviceName>
            <DeviceID>557126</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>lt1/1/10</InterfaceName>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNFMBGPEndPointConfigParameterServiceType">
            <EthernetOption>Vlan</EthernetOption>
            <VlanId>512</VlanId>
            <InterfaceIP>10.0.77.9</InterfaceIP>
            <PeerAS>0</PeerAS>
        </ServiceEndpointConfiguration>
        <ServiceTemplates />
    </ServiceEndPoint>
    <PWExtension>
        <Device>kochin</Device>
        <Interface>ge0/1/1</Interface>
        <VlanId>512</VlanId>
        <VCId>2147467273</VCId>
    </PWExtension>
</ServiceEndPointGroup>
<ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNConfigParameterServiceType">
    <RouteTarget>100:114696</RouteTarget>

```

```
<RouteDistinguisher>100:1146906</RouteDistinguisher>
<VRFTabelLabel>Enabled</VRFTabelLabel>
<ASOverride>true</ASOverride>
<MaximumPrefixes>0</MaximumPrefixes>
</ServiceParameters>
<Reference>
  <ServiceOrder key="327736"
    href="/api/space/nsas/l3vpn/servicemanagement/serviceorders/327736"
    uri="/api/space/nsas/l3vpn/servicemanagement/serviceorders/327736" />
  <ServiceDefinition>
    <ServiceDefinitionID key="327680"
      href="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/327680"
      uri="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/327680"
    />
  </ServiceDefinition>
  <Customer key="557188"
    href="/api/space/nsas/customermanagement/customers/557188"
    uri="/api/space/nsas/customermanagement/customers/557188" />
  </Reference>
</Service>
</ServiceResource>
</Data>
```

Get an E-Line Service with Pseudowire Stitching for an L3VPN By Service ID

This request is used to retrieve the details of a particular E-Line service stitched to an L3VPN.

| | |
|-------------|--|
| URI | api/space/nsas/eline-ptp/service-management/services/<serviceId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service+xml;version=2 |
| Produces | Collects the details of a specific E-Line service stitched to an L3VPN. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service
      href="/api/space/nsas/elineptp/servicemanagement/services/295216"
      uri="/api/space/nsas/elineptp/servicemanagement/services/295216"
      key="295216">
      <Common>
        <Name>zfdhgf</Name>
        <Identity>295216</Identity>
        <State>Deployed</State>
        <CreatedDate>20130301T13:01:29.000+05:30</CreatedDate>
        <LastUpdatedDate>20130301T13:01:29.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>LDP</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Down</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
      </AuditFlag>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/deviceroles/pedevices/557126"
            uri="/api/space/nsas/deviceroles/pedevices/557126"
            key="557126">
            <DeviceName>embassy</DeviceName>
            <DeviceID>557126</DeviceID>
            <CMPDeviceID>426036</CMPDeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>lt1/3/10.0</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
            xsi:type="PTPElineLDPEndPointConfigParameterServiceType">
            <EndPointCategory>PTP</EndPointCategory>
            <TrafficType>Transport using port</TrafficType>
            <PhysicalEncapsulation>ethernetccc</PhysicalEncapsulation>
            <LogicalEncapsulation>N/A</LogicalEncapsulation>
```

```

    <UNIDescription>N/A</UNIDescription>
    <VlanId>0</VlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Mbps">0</Bandwidth>
  </ServiceEndpointConfiguration>
  <ServiceTemplates />
</ServiceEndPoint>
<PWStitching>
  <L3RoutingInstName>Sti</L3RoutingInstName>
  <IPAddressPool>10.0.99.1/30</IPAddressPool>
  <PeerUnitName>4096</PeerUnitName>
</PWStitching>
<ServiceEndPointGroupParameter
  xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
  xsi:type="PTPServiceEndPointGroupParameterServiceType">
  <PEDevice_LoopBackIP>50.1.1.2.4</PEDevice_LoopBackIP>
  <PEDevice_NeighborIP>50.1.2.1</PEDevice_NeighborIP>
</ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/deviceroles/pedevices/557063"
    uri="/api/space/nsas/deviceroles/pedevices/557063"
    key="557063">
    <DeviceName>kochin</DeviceName>
    <DeviceID>557063</DeviceID>
    <CMPDeviceID>426020</CMPDeviceID>
    </NA>
  </DeviceInfo>
</ServiceEndPoint>
  <InterfaceName>ge0/0/5.0</InterfaceName>
  <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
    xsi:type="PTPElineLDPEndPointConfigParameterServiceType">
    <EndPointCategory>PTP</EndPointCategory>
    <TrafficType>Transport using port</TrafficType>
    <PhysicalEncapsulation>ethernetccc</PhysicalEncapsulation>
    <LogicalEncapsulation>N/A</LogicalEncapsulation>
    <UNIDescription>N/A</UNIDescription>
    <VlanId>0</VlanId>
    <MTU>1522</MTU>
    <Bandwidth unit="Mbps">0</Bandwidth>

```

```

        </ServiceEndpointConfiguration>
        <ServiceTemplates />
    </ServiceEndPoint>
    <ServiceEndPointGroupParameter
        xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="PTPServiceEndpointGroupParameterServiceType">
        <PEDevice_LoopBackIP>50.1.2.1</PEDevice_LoopBackIP>
        <PEDevice_NeighborIP>50.1.2.4</PEDevice_NeighborIP>
    </ServiceEndPointGroupParameter>
</ServiceEndPointGroup>
<ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
    xsi:type="PTPConfigParameterServiceType">
    <MTU>1522</MTU>
    <VCID>2147467267</VCID>
</ServiceParameters>
<Reference>
    <ServiceOrder key="295209"
        href="/api/space/nsas/elineptp/servicemanagement/serviceorders/295209"
        uri="/api/space/nsas/elineptp/servicemanagement/serviceorders/295209"
    />

    <ServiceDefinition>
        <ServiceDefinitionID key="295154"

href="/api/space/nsas/elineptp/servicemanagement/servicedefinitions/295154"

uri="/api/space/nsas/elineptp/servicemanagement/servicedefinitions/295154"
    />

    </ServiceDefinition>
    <Customer key="557188"
        href="/api/space/nsas/customermanagement/customers/557188"
uri="/api/space/nsas/customermanagement/customers/557188" />
    </Reference>
</Service>
</ServiceResource>
</Data>

```

Get an IP Service with VRF Route Label By Service ID

This request is used to retrieve the details of a particular IP service with VRF route label.

| | |
|-------------|--|
| URI | api/space/nsas/l3vpn/service-management/services/<serviceId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service+xml;version=2 |
| Produces | Collects the details of a specific IP service with VRF route label. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3VPNAPI</Name>

      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>embassy</DeviceName>
            <DeviceID>721075</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge1/0/9</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
            xsi:type="L3VPNFMOspfEndPointConfigParameterOrderType">
            <RoutingProtocol>OSPF</RoutingProtocol>
            <EthernetOption>Vlan</EthernetOption>
            <UnitID>0</UnitID>
```

```
<InterfaceIP>10.0.77.1</InterfaceIP>
<OSPFAreaId>0.0.0.0</OSPFAreaId>
<OSPFVersion>Ver 2</OSPFVersion>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"

  xsi:type="L3VPNConfigParameterOrderType">
    <RouteTarget>100:7</RouteTarget>
    <RouteDistinguisher>100:34</RouteDistinguisher>
    <VRFTabelLabel>Enable</VRFTabelLabel>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="720896" />
    <ServiceDefinition>
      <ServiceDefinitionID key="1441826" />
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Modify an IP Service with Addition of a Site

This request is used to modify an IP service with addition of a site.

| | |
|--------------|--|
| URI | api/space/nsas/l3vpn/service-management/ services/{service-Id}/add-sites |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management. modify-service+xml application/vnd.net.juniper.space.service- management. modify-service+xml;version=2;charset=UTF-8 |

| | |
|----------|--|
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml;version=2 application/vnd.net.juniper.space.service-management. service-status+xml |
| Produces | Modifies an IP service with addition of a site. |

The XPath tag in a service template attribute is optional and we recommend that you use this tag.

Input (Version 1)

Sample XML Input

```
<?xml version="1.0" encoding="UTF8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3VPNHSOSPFFModified_addSite</Name>
      </Common>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <NA>
          <DeviceName>m10i2</DeviceName>
          <DeviceID>1736846</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge1/3/1</InterfaceName>
        <ServiceEndpointConfiguration
          xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
          xsi:type="L3VPNHSOSPFEndPointConfigParameterOrderType">
          <EthernetOption>VLAN</EthernetOption>
          <Hub>false</Hub>
          <InterfaceIP AutoPick="true" />
          <IPAddressPool>10.0.88.0/24</IPAddressPool>
        </ServiceEndpointConfiguration>
      </ServiceEndPoint>
    </ServiceEndPointGroup>
  </ServiceResource>
</Data>
```

```

    </ServiceOrder>
  </ServiceResource>
</Data>

```

Input (With XPath)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>testL3vpn_FMADDSites_1</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junosspace3</DeviceName>
            <DeviceID>524459</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge0/1/3</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNFMOspfEndPointConfigParameterOrderType">
            <EthernetOption>Dot1Q</EthernetOption>
            <InterfaceIP AutoPick="true"/>
            <IPAddressPool>10.0.88.0/24</IPAddressPool>
            <OSPFAreaId>0.0.0.0</OSPFAreaId>
            <OSPFVersion>Ver 2</OSPFVersion>
          </ServiceEndpointConfiguration>
          <ServiceTemplates>
            <ServiceTemplate>
              <ID>6357015</ID>
              <ConfigParams>
                <Name>Description</Name>
                <Value>DemoDescription</Value>
                <XPath>/configuration/cpl/interface/description</XPath>
              </ConfigParams>
            </ServiceTemplate>
          </ServiceTemplates>
        </ServiceEndPoint>
      </ServiceOrder>
    </ServiceResource>
  </Data>

```

```

        <Decommission>false</Decommission>
        <SvcSpecificValue>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
</ServiceTemplate>
<ServiceTemplate>
    <ID>66341</ID>
    <ConfigParams>
        <Name>Outer</Name>
        <Value>$junosvlanid</Value>
        <Decommission>false</Decommission>
        <SvcSpecificValue>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
    <ConfigParams>
        <Name>Inner</Name>
        <Value>$junosvlanid</Value>
        <Decommission>false</Decommission>
        <SvcSpecificValue>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
</ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output (Version 1)

Sample XML Output

```

<Data>
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>2818205</Value>
    </Identity>
  </Status>
</Data>

```

```

<Identity>
  <Type>ServiceOrder</Type>
  <Value>2818348</Value>
</Identity>
<Job>
  <ID>597830</ID>
  <Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>
  The Service Modified Successfully and Deployment is in Progress. Please
  check the status using the JOB ID.
</Message>
</Status>
</Data>

```

Input (Version 2)

Sample XML Input

```

<?xml version="1.0" encoding="UTF8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3VPNHSOSPFModified_addSite</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junosmx801space</DeviceName>
            <DeviceID>786568</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge1/2/6</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
            xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">

```

```

    <UNIDescription>AEnd</UNIDescription>
    <EthernetOption>QinQ</EthernetOption>
    <AutoPickUnitID>false</AutoPickUnitID>
    <UnitID>17</UnitID>
    <AutoPickVlanID>false</AutoPickVlanID>
    <VlanId>11</VlanId>
    <CustomerVlanType>Transport single vlan</CustomerVlanType>
    <CustomerVlan>212</CustomerVlan>
    <OuterTPID>0x8100</OuterTPID>
    <InnerTPID>0x8100</InnerTPID>
    <InterfaceIP AutoPick="true" />
    <IPAddressPool>10.0.99.0/24</IPAddressPool>
    <PeerAS>1</PeerAS>
    <OSPFAreaId>0.0.0.0</OSPFAreaId>
    <OSPFVersion>Ver 2</OSPFVersion>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output (Version 2)

Sample XML Input

```

  <?xml version="1.0" encoding="UTF8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>950332</Value>
    </Identity>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>1245196</Value>
    </Identity>
  </Status>
</Data>

```

```
<Job>
  <ID>458781</ID>
  <Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>The Service Modified Successfully and Validation is in
  Progress. Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Modify an IP Service with Deletion of a Site

This request is used to modify an IP service with deletion of a site.

| | |
|--------------|--|
| URI | api/space/nsas/l3vpn/service-management/ services/{service-Id}/delete-sites |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management. modify-service+xml application/vnd.net.juniper.space.service- management. modify-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml application/vnd.net.juniper.space.service-management. service-status+xml;version=2 |
| Produces | Modifies an IP service with deletion of a site. |

Input (Version 1)

Sample XML Input

```

<?xml version="1.0" encoding="UTF8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>kochin</DeviceName>
            <DeviceID>2883721</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge1/2/9</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
            xsi:type="L3VPNFMOspfEndPointConfigParameterOrderType">
            <EthernetOption>VLAN</EthernetOption>
            <VlanId>2</VlanId>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>
</Data>

```

Output (Version 1)

Sample XML Output

```

<Data>
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>2818205</Value>
    </Identity>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>2818348</Value>
    </Identity>

```

```

<Job>
  <ID>597830</ID>
  <Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>
  The Service Modified Successfully and Validation is in Progress. Please
  check the status using the JOB ID.
</Message>
</Status>
</Data>

```

Input (Version 2)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource>
  <ServiceOrder>
    <Common>
      <Name>L3VPN_UnitHandling_Test_001_delSites</Name>
    </Common>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <NA key="589845" uri="/api/space/nsas/deviceroles/pedevices/589845"
href="/api/space/nsas/deviceroles/pedevices/589845">
          <DeviceName>junospace2</DeviceName>
          <DeviceID>589845</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge0/1/3</InterfaceName>
        <InterfaceIndex>520</InterfaceIndex>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNFMBGPEndPointConfigParameterOrderType">
          <RoutingProtocol>BGP</RoutingProtocol>
          <EthernetOption>Dot1Q</EthernetOption>
          <AutoPickUnitID>>false</AutoPickUnitID>

```

```

    <UnitID>45</UnitID>
    <AutoPickVlanID>>false</AutoPickVlanID>
    <VlanId>42</VlanId>
    <InterfaceIP>10.0.77.33</InterfaceIP>
    <RouteDistinguisher>69:2147467288</RouteDistinguisher>
    <PeerAS>1</PeerAS>
    <NeighborIP>10.0.77.34</NeighborIP>
  </ServiceEndpointConfiguration>
  <ServiceTemplates/>
</ServiceEndPoint>
<EnableLoopback>>false</EnableLoopback>
<EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output (Version 2)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1016500</Value>
    </Identity>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>1016525</Value>
    </Identity>
    <Job>
      <ID>393339</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Modified Successfully and Validation is in Progress.
Please check the status using the JOB ID.</Message>
  </Status>

```

```
</Data>
```

Modify an IP Service for Service Name and Endpoint Details

This request is used to modify an IP service for service name and endpoint information.

| | |
|--------------|---|
| URI | api/space/nsas/l3vpn/service-management/ services/{service-Id} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management. modify-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml;version=2 |
| Produces | Modifies an IP service with updates to service name and endpoint details. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>l3vpnospfstatcAPI</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junosspacel</DeviceName>
            <DeviceID>786663</DeviceID>
```

```

        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge0/2/0</InterfaceName>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
            xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
            <UNIDescription>AEnd</UNIDescription>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA>
            <DeviceName>junospace2</DeviceName>
            <DeviceID>786635</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge0/2/1</InterfaceName>
        <InterfaceIndex>526</InterfaceIndex>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
            xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
            <UNIDescription>ZEnd</UNIDescription>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>950332</Value>
    </Identity>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>1245196</Value>
    </Identity>
    <Job>
      <ID>458781</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Modified Successfully and Validation is in
      Progress. Please check the status using the JOB ID.</Message>
    </Status>
  </Data>
```

Modify an IP Service with Loopback Interfaces for Addition of a Site

This request is used to modify an IP service with loopback interfaces for addition of a site.

| | |
|--------------|---|
| URI | api/space/nsas/l3vpn/service-management/ services/{service-Id}/add-sites |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management. modify-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml;version=2 |
| Produces | Modifies an IP service with loopback interfaces for addition of a site. |

Input (Version 2)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3VPNBGPStatic_SO_SPAPI_ADDSites</Name>
        <Comments>BGP_FullMesh</Comments>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junosspacel</DeviceName>
            <DeviceID>524377</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge0/1/5</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
            xsi:type="L3VPNFMBGPEndPointConfigParameterOrderType">
            <EthernetOption>Dot1Q</EthernetOption>
              <AutoPickVlanID>>false</AutoPickVlanID>

            <VlanId>10</VlanId>
            <InterfaceIP AutoPick="true"/>
            <IPAddressPool>10.0.88.0/24</IPAddressPool>
            <PeerAS>7</PeerAS>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
      <ServiceEndPointGroup>
        <EnableLoopback>true</EnableLoopback>
        <DeviceInfo>
          <NA>
            <DeviceName>junosspace3</DeviceName>
            <DeviceID>524444</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>lo0</InterfaceName>
          <ServiceEndpointConfiguration
```

```

xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNFMBGPEndPointConfigParameterOrderType">
    <EthernetOption>Dot1Q</EthernetOption>
    <UnitID>235</UnitID>
    <InterfaceIP AutoPick="true"/>
    <IPAddressPool>10.0.88.0/24</IPAddressPool>
    <PeerAS>1</PeerAS>
</ServiceEndpointConfiguration>
<ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output (Version 2)

Sample XML Input

```

<Data>
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1048585</Value>
    </Identity>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>1048598</Value>
    </Identity>
    <Job>
      <ID>360453</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>
      The Service Modified Successfully and Validation is in Progress. Please check
      the status using the JOB ID.
    </Message>
  </Status>

```

</Data>

Modify an IP Service with Loopback Interfaces for Deletion of a Site

This request is used to modify an IP service with loopback interfaces for deletion of a site.

| | |
|--------------|---|
| URI | api/space/nsas/l3vpn/service-management/ services/{service-Id}/delete-sites |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management. modify-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml;version=2 |
| Produces | Modifies an IP service with loopback interfaces for deletion of a site. |

Input (Version 2)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3VPNBGP_SO_SPAPI_DeleteSites</Name>
        <Comments>BGP_FullMesh</Comments>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junosspacel</DeviceName>
            <DeviceID>524377</DeviceID>
```

```

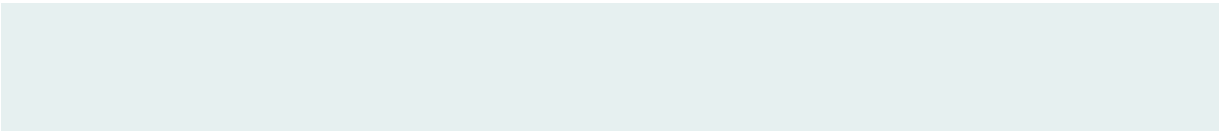
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge0/1/5</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
      xsi:type="L3VPNFMBGPEndPointConfigParameterOrderType">
      <EthernetOption>Dot1Q</EthernetOption>
        <AutoPickVlanID>>false</AutoPickVlanID>

      <VlanId>10</VlanId>
      <InterfaceIP AutoPick="true"/>
      <IPAddressPool>10.0.88.0/24</IPAddressPool>
      <PeerAS>7</PeerAS>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<EnableLoopback>true</EnableLoopback>
  <DeviceInfo>
    <NA>
      <DeviceName>junospace3</DeviceName>
      <DeviceID>524444</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>lo0</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
      xsi:type="L3VPNFMBGPEndPointConfigParameterOrderType">
      <EthernetOption>Dot1Q</EthernetOption>
      <UnitID>235</UnitID>
      <InterfaceIP AutoPick="true"/>
      <IPAddressPool>10.0.88.0/24</IPAddressPool>
      <PeerAS>1</PeerAS>
    </ServiceEndpointConfiguration>
    <ServiceTemplates/>
  </ServiceEndPoint>
</ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output (Version 2)

Sample XML Input



Modify an IP Service with Loopback Interfaces

This request is used to modify an IP service with loopback interfaces for service name and endpoint details.

| | |
|--------------|---|
| URI | api/space/nsas/l3vpn/service-management/ services/{service-Id}/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management. modify-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml;version=2 |
| Produces | Modifies an IP service with loopback interfaces for service name and endpoint details. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3VPN_Service_Modify</Name>
      </Common>

    <ServiceEndPointGroup>
      <EnableLoopback>true</EnableLoopback>
      <DeviceInfo>
        <NA>
```

```

        <DeviceName>junosspace2</DeviceName>
        <DeviceID>524349</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>lo0</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNFMBGPEndPointConfigParameterOrderType">
        <EthernetOption>Dot1Q</EthernetOption>
        <UnitID>235</UnitID>
        <InterfaceIP AutoPick="true"/>
        <IPAddressPool>10.0.88.0/24</IPAddressPool>
        <PeerAS>1</PeerAS>
    </ServiceEndpointConfiguration>
    <ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
        <Identity>
            <Type>Service</Type>
            <Value>426100</Value>
        </Identity>
        <Identity>
            <Type>ServiceOrder</Type>
            <Value>786432</Value>
        </Identity>
    </Job>
    <ID>294921</ID>
    <Status>INPROGRESS</Status>

```

```
</Job>
<Code>200</Code>
<Message>The Service Modified Successfully and Validation is in Progress.
Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Get an IP Service with Stitching Point By Service ID

This request is used to retrieve the details of a particular IP service configured with a stitching point.

| | |
|-------------|---|
| URI | api/space/nsas/l3vpn/service-management/ services/<serviceld> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service+xml;version=2 |
| Produces | Collects the details of a specific IP service configured with a stitching point. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service key="786511"
uri="/api/space/nsas/l3vpn/servicemanagement/services/786511"
href="/api/space/nsas/l3vpn/servicemanagement/services/786511">
      <Common>
        <Name>L3VPN_OSPF_SP_API</Name>
        <Identity>786511</Identity>
        <State>Deployed</State>
        <CreatedDate>20150108T18:07:13.000+05:30</CreatedDate>
        <LastUpdatedDate>20150108T18:07:13.000+05:30</LastUpdatedDate>
```

```

</Common>
<ServiceType>L3VPN</ServiceType>
<EnableMVPN>false</EnableMVPN>
<EnableMCLAG>false</EnableMCLAG>
<AuditFlag>
  <FunctionalAudit>Pending</FunctionalAudit>
  <FaultStatus>None</FaultStatus>
  <SLAStatus>None</SLAStatus>
</AuditFlag>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="524377" uri="/api/space/nsas/deviceroles/pedevices/524377"
href="/api/space/nsas/deviceroles/pedevices/524377">
      <DeviceName>junosspacel</DeviceName>
      <DeviceID>524377</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge0/1/5</InterfaceName>
    <InterfaceIndex>522</InterfaceIndex>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterServiceType">
      <RoutingProtocol>OSPF</RoutingProtocol>
      <EthernetOption>Dot1Q</EthernetOption>
      <UnitID>400</UnitID>
      <VlanId>2</VlanId>
      <InterfaceIP>10.0.88.9</InterfaceIP>
      <RouteDistinguisher>69:2147467282</RouteDistinguisher>
      <OSPFAreaId>0.0.0.0</OSPFAreaId>
      <OSPFVersion>Ver 2</OSPFVersion>
    </ServiceEndpointConfiguration>
    <ServiceTemplates/>
  </ServiceEndPoint>
  <EnableLoopback>false</EnableLoopback>
  <EnableStitchingPoint>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="524302" uri="/api/space/nsas/deviceroles/pedevices/524302"
href="/api/space/nsas/deviceroles/pedevices/524302">
      <DeviceName>junosmx240space</DeviceName>

```

```

        <DeviceID>524302</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNFMOspfEndPointConfigParameterServiceType"/>
    </ServiceEndPoint>
    <EnableStitchingPoint>true</EnableStitchingPoint>
</ServiceEndPointGroup>
    <ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNConfigParameterServiceType">
        <RouteTarget>69:1454096387</RouteTarget>
        <VRFTabelLabel>Enabled</VRFTabelLabel>
        <OSPFDomainID>2.2.2.2</OSPFDomainID>
    </ServiceParameters>
    <Reference>
        <ServiceOrder
uri="/api/space/nsas/l3vpn/servicemanagement/serviceorders/786502"
href="/api/space/nsas/l3vpn/servicemanagement/serviceorders/786502"
key="786502"/>
        <ServiceDefinition>
            <ServiceDefinitionID
uri="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/426002"
href="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/426002"
key="426002"/>
        </ServiceDefinition>
        <Customer uri="/api/space/nsas/customermanagement/customers/524492"
href="/api/space/nsas/customermanagement/customers/524492" key="524492"/>
    </Reference>
    </Service>
</ServiceResource>
</Data>
```

Modify an IP Service with Stitching Point for Addition of a Site

This request is used to modify an IP service with stitching point for addition of a site.

| | |
|-----|---|
| URI | api/space/nsas/l3vpn/service-management/ services/{service-Id}/add-sites |
|-----|---|

| | |
|--------------|---|
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. modify-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml;version=2 |
| Produces | Modifies an IP service with stitching point for addition of a site. |

Input (Version 2)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3VPNBGPStatic_SO_SPAPI_ADDSites</Name>
        <Comments>BGP_FullMesh</Comments>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junospace1</DeviceName>
            <DeviceID>524377</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge0/1/5</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
            xsi:type="L3VPNFMBGPPEndPointConfigParameterOrderType">
            <EthernetOption>Dot1Q</EthernetOption>
              <AutoPickVlanID>false</AutoPickVlanID>
            <VlanId>10</VlanId>
            <InterfaceIP AutoPick="true"/>
            <IPAddressPool>10.0.88.0/24</IPAddressPool>
            <PeerAS>7</PeerAS>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>
</Data>
```

```

    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <EnableStitchingPoint>true</EnableStitchingPoint>
    <DeviceInfo>
      <NA>
        <DeviceName>junosspace3</DeviceName>
        <DeviceID>524444</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output (Version 2)

Sample XML Input

```

<Data>
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1048585</Value>
    </Identity>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>1048598</Value>
    </Identity>
  <Job>
    <ID>360453</ID>
    <Status>INPROGRESS</Status>
  </Job>
  <Code>200</Code>
  <Message>

```

The Service Modified Successfully and Validation is in Progress. Please check the status using the JOB ID.

```
</Message>
</Status>
</Data>
```

Modify an IP Service with Stitching Point for Deletion of a Site

This request is used to modify an IP service with stitching point for deletion of a site.

| | |
|--------------|---|
| URI | api/space/nsas/l3vpn/service-management/ services/{service-Id}/delete-sites |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management. modify-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml;version=2 |
| Produces | Modifies an IP service with stitching point for deletion of a site. |

Input (Version 2)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3VPN_StitchingPoint_Test_001_delSites</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="589845" uri="/api/space/nsas/deviceroles/pedevices/589845"
href="/api/space/nsas/deviceroles/pedevices/589845">
```

```

        <DeviceName>junospace2</DeviceName>
        <DeviceID>589845</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge0/1/3</InterfaceName>
    <InterfaceIndex>520</InterfaceIndex>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNFMBGPEndPointConfigParameterOrderType">
        <RoutingProtocol>BGP</RoutingProtocol>
        <EthernetOption>Dot1Q</EthernetOption>
        <AutoPickUnitID>>false</AutoPickUnitID>
        <UnitID>45</UnitID>
        <AutoPickVlanID>>false</AutoPickVlanID>
        <VlanId>45</VlanId>
        <InterfaceIP>10.0.77.33</InterfaceIP>
        <RouteDistinguisher>69:2147467288</RouteDistinguisher>
        <PeerAS>1</PeerAS>
        <NeighborIP>10.0.77.34</NeighborIP>
    </ServiceEndpointConfiguration>
    <ServiceTemplates/>
</ServiceEndPoint>
<EnableLoopback>>false</EnableLoopback>
<EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <EnableStitchingPoint>>true</EnableStitchingPoint>
    <DeviceInfo>
        <NA key="589845" uri="/api/space/nsas/deviceroles/pedevices/589845"
href="/api/space/nsas/deviceroles/pedevices/589845">
            <DeviceName>junospace2</DeviceName>
            <DeviceID>589845</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <ServiceTemplates/>
    </ServiceEndPoint>
</ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>

```

```
</Data>
```

Output (Version 2)

Sample XML Input

```
<Data>
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1048585</Value>
    </Identity>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>1048598</Value>
    </Identity>
    <Job>
      <ID>360453</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>
      The Service Modified Successfully and Validation is in Progress. Please check
      the status using the JOB ID.
    </Message>
  </Status>
</Data>
```

Modify an IP Service with Stitching Point

This request is used to modify an IP service with stitching point.

| | |
|-------------|--|
| URI | api/space/nsas/l3vpn/service-management/ services/{service-Id}/ |
| HTTP Method | POST |

| | |
|--------------|---|
| Content-Type | application/vnd.net.juniper.space.service-management. modify-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml;version=2 |
| Produces | Modifies an IP service with stitching point. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder key="1016481"
uri="/api/space/nsas/l3vpn/servicemanagement/serviceorders/1016481"
href="/api/space/nsas/l3vpn/servicemanagement/serviceorders/1016481">
      <Common>
        <Name>L3VPN_UnitHandling_test_001_1</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="589874" uri="/api/space/nsas/deviceroles/pedevices/589874"
href="/api/space/nsas/deviceroles/pedevices/589874">
            <DeviceName>junosspace1</DeviceName>
            <DeviceID>589874</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge0/1/5</InterfaceName>
          <InterfaceIndex>522</InterfaceIndex>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNFMBGPEndPointConfigParameterOrderType">
            <UNIDescription>ge0/1/5 is used</UNIDescription>
            <RoutingProtocol>BGP</RoutingProtocol>
            <EthernetOption>Dot1Q</EthernetOption>
            <AutoPickUnitID>false</AutoPickUnitID>
            <AutoPickVlanID>false</AutoPickVlanID>
            <UnitID>45</UnitID>
            <VlanId>42</VlanId>
```

```

    <InterfaceIP>10.0.77.29</InterfaceIP>
    <RouteDistinguisher>69:2147467286</RouteDistinguisher>
    <PeerAS>1</PeerAS>
    <NeighborIP>10.0.77.30</NeighborIP>
  </ServiceEndpointConfiguration>
  <ServiceTemplates/>
</ServiceEndPoint>
<EnableLoopback>>false</EnableLoopback>
<EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="589970" uri="/api/space/nsas/deviceroles/pedevices/589970"
href="/api/space/nsas/deviceroles/pedevices/589970">
      <DeviceName>junospace3</DeviceName>
      <DeviceID>589970</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge0/1/6</InterfaceName>
    <InterfaceIndex>523</InterfaceIndex>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNFMBGPPEndPointConfigParameterOrderType">
      <RoutingProtocol>BGP</RoutingProtocol>
      <EthernetOption>Dot1Q</EthernetOption>
      <AutoPickUnitID>>false</AutoPickUnitID>
      <AutoPickVlanID>>false</AutoPickVlanID>
      <UnitID>45</UnitID>
      <VlanId>42</VlanId>
      <InterfaceIP>10.0.77.37</InterfaceIP>
      <RouteDistinguisher>65501:5455883</RouteDistinguisher>
      <PeerAS>1</PeerAS>
      <NeighborIP>10.0.77.38</NeighborIP>
    </ServiceEndpointConfiguration>
    <ServiceTemplates/>
  </ServiceEndPoint>
  <EnableLoopback>>false</EnableLoopback>
  <EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNConfigParameterOrderType">

```

```

    <RouteTarget>69:1454096391</RouteTarget>
    <VRFTabelLabel>true</VRFTabelLabel>
    <ASOverride>true</ASOverride>
  </ServiceOrderParameter>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>426100</Value>
    </Identity>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>786432</Value>
    </Identity>
    <Job>
      <ID>294921</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Modified Successfully and Validation is in Progress.
Please check the status using the JOB ID.</Message>
  </Status>
</Data>

```

Get All IP Services

This request is used to retrieve all the configured IP services.

| | |
|-------------|--|
| URI | api/space/nsas/l3vpn/service-management/services |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.servicesxml |
| Produces | Collects all the configured IP services. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="2">
    <Service href="/api/space/nsas/l3vpn/servicemanagement/services/3112986"
      uri="/api/space/nsas/l3vpn/servicemanagement/services/3112986"
      key="3112986">
      <Common>
        <Name>Ser3</Name>
        <Identity>3112986</Identity>
        <State>Deployed</State>
        <Comments>Ser3</Comments>
        <CreatedDate>20120922T12:07:23.000+05:30</CreatedDate>
        <LastUpdatedDate>20120922T12:07:23.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>VPLS</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
      </AuditFlag>
      <Reference>
        <ServiceOrder key="3112974"
          href="/api/space/nsas/l3vpn/servicemanagement/serviceorders/3112974"
          uri="/api/space/nsas/l3vpn/servicemanagement/serviceorders/3112974" />
        <ServiceDefinition>
          <ServiceDefinitionID key="262144"
```

```

        href="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/262144"

        uri="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/262144"
    />
    </ServiceDefinition>
    <Customer key="1048781"
        href="/api/space/nsas/customermanagement/customers/1048781"
uri="/api/space/nsas/customermanagement/customers/1048781" />
    </Reference>
</Service>
<Service href="/api/space/nsas/l3vpn/servicemanagement/services/3113013"
    uri="/api/space/nsas/l3vpn/servicemanagement/services/3113013"
key="3113013">
    <Common>
        <Name>Ser1</Name>
        <Identity>3113013</Identity>
        <State>Deployed</State>
        <Comments>Ser1</Comments>
        <CreatedDate>20120922T12:10:26.000+05:30</CreatedDate>
        <LastUpdatedDate>20120922T12:10:26.000+05:30</LastUpdatedDate>
    </Common>
    <ServiceType>VPLS</ServiceType>
    <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
    </AuditFlag>
    <Reference>
        <ServiceOrder key="3113001"
            href="/api/space/nsas/l3vpn/servicemanagement/serviceorders/3113001"
            uri="/api/space/nsas/l3vpn/servicemanagement/serviceorders/3113001" />
        <ServiceDefinition>
            <ServiceDefinitionID key="262144"
                href="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/262144"

                uri="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/262144"
            />
        </ServiceDefinition>
        <Customer key="1048781"
            href="/api/space/nsas/customermanagement/customers/1048781"
uri="/api/space/nsas/customermanagement/customers/1048781" />
        </Reference>
    </Service>

```

```
</ServiceResource>
</Data>
```

Get All IP Services By Customer ID or Name

This request is used to retrieve all the configured Layer 2 Ethernet Private Line (EPL, also called E-Line) services based on customer name or customer ID.

| | |
|-------------|--|
| URI | api/space/nsas/l3vpn/service-management/services?customerId=360448 api/space/nsas/l3vpn/service-management/services?customerName=Customer_005 |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml;version=2 |
| Produces | Collects all the configured IP services based on the customer name or ID. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="2">
    <Service href="/api/space/nsas/l3vpn/servicemanagement/services/3112986"
      uri="/api/space/nsas/l3vpn/servicemanagement/services/3112986"
      key="3112986">
      <Common>
        <Name>Ser3</Name>
        <Identity>3112986</Identity>
        <State>Deployed</State>
```

```

    <Comments>Ser3</Comments>
    <CreatedDate>20120922T12:07:23.000+05:30</CreatedDate>
    <LastUpdatedDate>20120922T12:07:23.000+05:30</LastUpdatedDate>
  </Common>
  <ServiceType>VPLS</ServiceType>
  <AuditFlag>
    <FunctionalAudit>Pending</FunctionalAudit>
    <FaultStatus>None</FaultStatus>
  </AuditFlag>
  <Reference>
    <ServiceOrder key="3112974"
      href="/api/space/nsas/l3vpn/servicemanagement/serviceorders/3112974"
      uri="/api/space/nsas/l3vpn/servicemanagement/serviceorders/3112974" />
    <ServiceDefinition>
      <ServiceDefinitionID key="262144"
        href="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/262144"
        uri="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/262144"
      />
    </ServiceDefinition>
    <Customer key="1048781"
      href="/api/space/nsas/customermanagement/customers/1048781"
      uri="/api/space/nsas/customermanagement/customers/1048781" />
    </Reference>
  </Service>
  <Service href="/api/space/nsas/l3vpn/servicemanagement/services/3113013"
    uri="/api/space/nsas/l3vpn/servicemanagement/services/3113013"
    key="3113013">
    <Common>
      <Name>Ser1</Name>
      <Identity>3113013</Identity>
      <State>Deployed</State>
      <Comments>Ser1</Comments>
      <CreatedDate>20120922T12:10:26.000+05:30</CreatedDate>
      <LastUpdatedDate>20120922T12:10:26.000+05:30</LastUpdatedDate>
    </Common>
    <ServiceType>VPLS</ServiceType>
    <AuditFlag>
      <FunctionalAudit>Pending</FunctionalAudit>
      <FaultStatus>None</FaultStatus>
    </AuditFlag>
    <Reference>

```

```

    <ServiceOrder key="3113001"
      href="/api/space/nsas/l3vpn/servicemanagement/serviceorders/3113001"
      uri="/api/space/nsas/l3vpn/servicemanagement/serviceorders/3113001" />
    <ServiceDefinition>
      <ServiceDefinitionID key="262144"
        href="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/262144"

        uri="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/262144"
      />
    </ServiceDefinition>
    <Customer key="1048781"
      href="/api/space/nsas/customermanagement/customers/1048781"
      uri="/api/space/nsas/customermanagement/customers/1048781" />
    </Reference>
  </Service>
</ServiceResource>
</Data>

```

<h4>4.9 Get All Services with
 Sorting/Searching/PaginationVPLS <a href="#contents"
 style="font-size:14px;">[Top]</h4>

<p>

<u>URI</u>

:

<a>

api/space/nsas/l3vpn/servicemanagement/services?sortorder=desc&sortedby=Name&filteredby="Name::Ser

</p>

<p>

<u>METHOD</u>

: GET

</p>

<p>

<u>Accept:</u>

application/vnd.net.juniper.space.servicemanagement.services+xml;version=2

</p>

<p>

<u>Sample Response</u>

<u>:</u>

</p>

```

<textarea rows="25" spellcheck=false readonly=true style="backgroundcolor:
lightyellow;width: 1250px; height: 200px;">
  <?xml version="1.0" encoding="UTF8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="2">
    <Service href="/api/space/nsas/l3vpn/servicemanagement/services/3112986"
      uri="/api/space/nsas/l3vpn/servicemanagement/services/3112986"
key="3112986">
      <Common>
        <Name>Ser3</Name>
        <Identity>3112986</Identity>
        <State>Deployed</State>
        <Comments>Ser3</Comments>
        <CreatedDate>20120922T12:07:23.000+05:30</CreatedDate>
        <LastUpdatedDate>20120922T12:07:23.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>VPLS</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
      </AuditFlag>
      <Reference>
        <ServiceOrder key="3112974"
          href="/api/space/nsas/l3vpn/servicemanagement/serviceorders/3112974"
          uri="/api/space/nsas/l3vpn/servicemanagement/serviceorders/3112974" />
        <ServiceDefinition>
          <ServiceDefinitionID key="262144"
            href="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/262144"
            uri="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/262144"
          />
        </ServiceDefinition>
        <Customer key="1048781"
          href="/api/space/nsas/customermanagement/customers/1048781"
          uri="/api/space/nsas/customermanagement/customers/1048781" />
      </Reference>
    </Service>
    <Service href="/api/space/nsas/l3vpn/servicemanagement/services/3113013"
      uri="/api/space/nsas/l3vpn/servicemanagement/services/3113013"
key="3113013">
      <Common>
        <Name>Ser1</Name>

```

```
<Identity>3113013</Identity>
<State>Deployed</State>
<Comments>Ser1</Comments>
<CreateDate>20120922T12:10:26.000+05:30</CreateDate>
<LastUpdatedDate>20120922T12:10:26.000+05:30</LastUpdatedDate>
</Common>
<ServiceType>VPLS</ServiceType>
<AuditFlag>
  <FunctionalAudit>Pending</FunctionalAudit>
  <FaultStatus>None</FaultStatus>
</AuditFlag>
<Reference>
  <ServiceOrder key="3113001"
    href="/api/space/nsas/l3vpn/servicemanagement/serviceorders/3113001"
    uri="/api/space/nsas/l3vpn/servicemanagement/serviceorders/3113001" />
  <ServiceDefinition>
    <ServiceDefinitionID key="262144"
      href="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/262144"
      uri="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/262144"
    />
  </ServiceDefinition>
  <Customer key="1048781"
    href="/api/space/nsas/customermanagement/customers/1048781"
    uri="/api/space/nsas/customermanagement/customers/1048781" />
  </Reference>
</Service>
</ServiceResource>
</Data>
```

Get IP Service Details By Service ID

This request is used to retrieve the details of a particular IP service based on the service ID.

| | |
|-------------|---|
| URI | api/space/nsas/l3vpn/service-management/ services/<service-Id> |
| HTTP Method | GET |

| | |
|----------|---|
| Consumes | application/vnd.net.juniper.space.service-management.services+xml;version=2 |
| Produces | Collects the details of a specific IP service by service ID. |

Output (Version 2)

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service key="2785331"
      uri="/api/space/nsas/l3vpn/servicemanagement/services/2785331"
      href="/api/space/nsas/l3vpn/servicemanagement/services/2785331">
      <Common>
        <Name>VPLSSO_BGP_MDFSO_20140722172855.366</Name>
        <Identity>2785331</Identity>
        <State>Deployed</State>
        <CreatedDate>20140722T17:33:57.000+05:30</CreatedDate>
        <LastUpdatedDate>20140722T17:33:57.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>VPLS</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
        <SLAStatus>None</SLAStatus>
      </AuditFlag>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="524482" uri="/api/space/nsas/deviceroles/pedevices/524482"
            href="/api/space/nsas/deviceroles/pedevices/524482">
            <DeviceName>amx1100a</DeviceName>
            <DeviceID>524482</DeviceID>
            <CMPDeviceID>131285</CMPDeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge1/3/4</InterfaceName>
          <InterfaceIndex>566</InterfaceIndex>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
            xsi:type="VPLSBGPEndPointConfigParameterServiceType">
```

```

<PhysicalEncapsulation>flexibleethernet-services</PhysicalEncapsulation>
<UNIDescription>N/A</UNIDescription>
<VlanId>2</VlanId>
<MTU>1522</MTU>
<Bandwidth unit="Mbps">10</Bandwidth>
<MACLearning>true</MACLearning>
<InterfaceMACLimit>1024</InterfaceMACLimit>
<MACStatistics>false</MACStatistics>
<MACTableSize>5120</MACTableSize>
<OuterTPID>None</OuterTPID>
<UnitId>2</UnitId>
</ServiceEndpointConfiguration>
<ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DeviceInfo>
<NA key="524482" uri="/api/space/nsas/deviceroles/pedevices/524482"
href="/api/space/nsas/deviceroles/pedevices/524482">
<DeviceName>amx1100a</DeviceName>
<DeviceID>524482</DeviceID>
<CMPDeviceID>131285</CMPDeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge1/3/5</InterfaceName>
<InterfaceIndex>567</InterfaceIndex>
<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSBGPEndPntConfigParameterServiceType">
<PhysicalEncapsulation>flexibleethernet-services</PhysicalEncapsulation>
<UNIDescription>N/A</UNIDescription>
<VlanId>12</VlanId>
<MTU>1522</MTU>
<Bandwidth unit="Mbps">10</Bandwidth>
<MACLearning>true</MACLearning>
<InterfaceMACLimit>1024</InterfaceMACLimit>
<MACStatistics>false</MACStatistics>
<MACTableSize>5120</MACTableSize>
<OuterTPID>None</OuterTPID>
<UnitId>12</UnitId>
</ServiceEndpointConfiguration>

```

```

<ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="VPLSConfigParameterServiceType">
<RouteTarget>69:1454096390</RouteTarget>
<VLANNormalization>Not Normalized</VLANNormalization>
<AutoDiscovery>false</AutoDiscovery>
</ServiceParameters>
<Reference>
<ServiceOrder
uri="/api/space/nsas/l3vpn/servicemanagement/serviceorders/2785319"
href="/api/space/nsas/l3vpn/servicemanagement/serviceorders/2785319"
key="2785319"/>
<ServiceDefinition>
<ServiceDefinitionID
uri="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/360448"
href="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/360448"
key="360448"/>
</ServiceDefinition>
<Customer uri="/api/space/nsas/customermanagement/customers/524831"
href="/api/space/nsas/customermanagement/customers/524831" key="524831"/>
</Reference>
</Service>
</ServiceResource>
</Data>

```

Force-Deploy an IP Service

This request is used to forcibly deploy a previously created IP service.

| | |
|--------------|---|
| URI | api/space/nsas/l3vpn/service-management/ services/{serviceId} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. modify-service+xml |

| | |
|----------|---|
| Consumes | <p>application/vnd.net.juniper.space.service-management.service-status+xml</p> <p>The options must be specified in the Action Element inside OperationSpecificData. The various options are as follows:</p> <ul style="list-style-type: none">• DeployNow• DeployLater |
| Produces | Forcibly deploys a previously created IP service. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
    <CustomAction
xsi:type="ServiceCustomActionType">
        <Action>DeployLater</Action>
        <ScheduledDateTime>20120409T19:07:18.000+05:30</ScheduledDateTime>
    </ CustomAction>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>2097255</Value>
    </Identity>
  <Job>
```

```
<ID>655791</ID>
<Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>Service Force Deploy was Successfully triggered. Please check
  the status using the JOB ID.</Message>
</Status>
</Data>
```

Bulk Force-Deploy an IP Service

This request is used to forcibly deploy previously created services in a bulk operation.

| | |
|--------------|---|
| URI | api/space/nsas/l3vpn/service-management/ services/{serviceId} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. modify-service+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml The options must be specified in the Action Element inside OperationSpecificData. The various options are as follows: <ul style="list-style-type: none">• DeployNow• DeployLater |
| Produces | Forcibly deploys previously created services in a bulk operation. |

Input (Bulk Force-Deploy Immediately)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
  <Identity>
    <Type>Service</Type>
    <Value>1085688</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085713</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085724</Value>
  </Identity>
  <CustomAction xsi:type="ServiceCustomActionType">
    <Action>DeployNow</Action>
  </CustomAction>
</Data>

```

Input (Bulk Force-Deploy Later)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
  <Identity>
    <Type>Service</Type>
    <Value>1085688</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085713</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085724</Value>
  </Identity>

```

```

        </Identity>

        <CustomAction xsi:type="ServiceCustomActionType">
            <Action>DeployLater</Action>
            <ScheduledDateTime>
20141112T12:15:18.000</ScheduledDateTime>
        </CustomAction>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1638623</Value>
    </Identity>
    <Job>
      <ID>622725</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service Force Deploy was Successfully triggered. Please check
the status using the JOB ID.</Message>
  </Status>
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1638634</Value>
    </Identity>
    <Job>
      <ID>622730</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service Force Deploy was Successfully triggered. Please check
the status using the JOB ID.</Message>
  </Status>
</Data>

```

```
</Status>
</Data>
```

Bulk Decommission IP Services

This request is used to decommission previously created services in a bulk operation..

| | |
|--------------|--|
| URI | api/space/nsas/l3vpn/service-management/ services/{serviceId} |
| HTTP Method | DELETE |
| Content-Type | application/vnd.net.juniper.space.service-management.service+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml |
| Produces | Performs a single-step, wholesale decommissioning of previously created services. |

Input (Bulk Decommission Immediately)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
  <Identity>
    <Type>Service</Type>
    <Value>1085688</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085713</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
```

```

    <Value>1085724</Value>
    </Identity>
    <CustomAction xsi:type="ServiceCustomActionType">
        <Action>DecommissionNow</Action>
    </CustomAction>
</Data>

```

Input (Bulk Decommission Later)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
    <Identity>
    <Type>Service</Type>
    <Value>1085688</Value>
    </Identity>
    <Identity>
    <Type>Service</Type>
    <Value>1085713</Value>
    </Identity>
    <Identity>
    <Type>Service</Type>
    <Value>1085724</Value>
    </Identity>

    <CustomAction xsi:type="ServiceCustomActionType">
        <Action>DecommissionLater</Action>
        <ScheduledDateTime>
20141112T12:15:18.000</ScheduledDateTime>
    </CustomAction>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1638623</Value>
    </Identity>
    <Job>
      <ID>622760</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service Decommission was Successfully triggered. Please check
the status using the JOB ID.</Message>
  </Status>
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1638634</Value>
    </Identity>
    <Job>
      <ID>622761</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service Decommission was Successfully triggered. Please check
the status using the JOB ID.</Message>
  </Status>
</Data>

```

Deactivation of an IP Service

This request is used to deactivate a previously created service.

| | |
|--------------|---|
| URI | api/space/nsas/l3vpn/service-management/ services/{serviceld} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service.deactivate-service+xml |

| | |
|----------|---|
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml |
| Produces | Deactivates a previously created service. |

Input (Deactivation Immediately)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
  <CustomAction xsi:type="ServiceCustomActionType">
    <Action>DeActivateNow </Action>
  </CustomAction>
</Data>
```

Input (Deactivation Later)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
  <CustomAction xsi:type="ServiceCustomActionType">
    <Action>DeActivateLater</Action>

    <ScheduledDateTime>20141112T12:15:18.000</ScheduledDateTime>
  </CustomAction>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1638634</Value>
    </Identity>
    <Job>
      <ID>622698</ID>
      <Status>SCHEDULED</Status>
    </Job>
    <Code>200</Code>
    <Message>Service DeActivate was Successfully triggered. Please check
the status using the JOB ID.</Message>
  </Status>
</Data>
```

Bulk Deactivation of IP Services

This request is used to deactivate previously created services in a bulk operation.

| | |
|--------------|---|
| URI | api/space/nsas/l3vpn/service-management/ services/{servicId} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. services.deactivate-services+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml |
| Produces | Performs a single-step deactivation of previously created services. |

Input (Bulk Deactivation Immediately)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
  <Identity>
    <Type>Service</Type>
    <Value>1085688</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085713</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085724</Value>
  </Identity>
  <CustomAction xsi:type="ServiceCustomActionType">
    <Action>DeActivateNow </Action>
  </CustomAction>
</Data>

```

Input (Bulk Deactivation Later)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
  <Identity>
    <Type>Service</Type>
    <Value>1085688</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085713</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085724</Value>
  </Identity>

```

```

        </Identity>

        <CustomAction xsi:type="ServiceCustomActionType">
            <Action>DeActivateLater</Action>
            <ScheduledDateTime>
20141112T12:15:18.000</ScheduledDateTime>
        </CustomAction>
    </Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
        <Identity>
            <Type>Service</Type>
            <Value>1638623</Value>
        </Identity>
        <Job>
            <ID>622735</ID>
            <Status>INPROGRESS</Status>
        </Job>
        <Code>200</Code>
        <Message>Service DeActivate was Successfully triggered. Please check
the status using the JOB ID.</Message>
    </Status>
    <Status>
        <Identity>
            <Type>Service</Type>
            <Value>1638634</Value>
        </Identity>
        <Job>
            <ID>622740</ID>
            <Status>INPROGRESS</Status>
        </Job>
        <Code>200</Code>
        <Message>Service DeActivate was Successfully triggered. Please check
the status using the JOB ID.</Message>

```

```
</Status>
</Data>
```

Reactivation of an IP Service

This request is used to reactivate a previously created service.

| | |
|--------------|---|
| URI | api/space/nsas/l3vpn/service-management/ services/{serviceId} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service.reactivate-service+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml |
| Produces | Reactivates a previously created service. |

Input (Reactivation Immediately)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
  <CustomAction xsi:type="ServiceCustomActionType">
    <Action>ReActivateNow </Action>
  </CustomAction>
</Data>
```

Input (Reactivation Later)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
  <CustomAction xsi:type="ServiceCustomActionType">
    <Action>ReActivateLater</Action>
    <ScheduledDateTime></ScheduledDateTime>
  </CustomAction>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1638634</Value>
    </Identity>
    <Job>
      <ID>622718</ID>
      <Status>SCHEDULED</Status>
    </Job>
    <Code>200</Code>
    <Message>Service ReActivate was Successfully triggered. Please check
the status using the JOB ID.</Message>
  </Status>
</Data>
```

Bulk Reactivation of IP Services

This request is used to reactivate previously created services in a bulk operation.

| | |
|-------------|--|
| URI | api/space/nsas/l3vpn/service-management/ services/{serviceId} |
| HTTP Method | POST |

| | |
|--------------|---|
| Content-Type | application/vnd.net.juniper.space.service-management.services.reactivate-services+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml |
| Produces | Performs a single-step reactivation of previously created services. |

Input (Bulk Reactivation Immediately)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
  <Identity>
    <Type>Service</Type>
    <Value>1085688</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085713</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085724</Value>
  </Identity>
  <CustomAction xsi:type="ServiceCustomActionType">
    <Action>ReActivateNow </Action>
  </CustomAction>
</Data>
```

Input (Bulk Reactivation Later)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance">
```

```

        xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
        <Identity>
        <Type>Service</Type>
        <Value>1085688</Value>
        </Identity>
        <Identity>
        <Type>Service</Type>
        <Value>1085713</Value>
        </Identity>
        <Identity>
        <Type>Service</Type>
        <Value>1085724</Value>
        </Identity>

        <CustomAction xsi:type="ServiceCustomActionType">
                <Action>ReActivateLater</Action>
                <ScheduledDateTime>
20141112T12:15:18.000</ScheduledDateTime>
        </CustomAction>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
        <Identity>
            <Type>Service</Type>
            <Value>1638623</Value>
        </Identity>
        <Job>
            <ID>622745</ID>
            <Status>INPROGRESS</Status>
        </Job>
        <Code>200</Code>
        <Message>Service ReActivate was Successfully triggered. Please check
the status using the JOB ID.</Message>

```

```
</Status>
<Status>
  <Identity>
    <Type>Service</Type>
    <Value>1638634</Value>
  </Identity>
  <Job>
    <ID>622750</ID>
    <Status>INPROGRESS</Status>
  </Job>
  <Code>200</Code>
  <Message>Service ReActivate was Successfully triggered. Please check
the status using the JOB ID.</Message>
</Status>
</Data>
```

Decommission an IP Service Immediately

This request is used to decommission a previously created IP service immediately.

| | |
|--------------|--|
| URI | api/space/nsas/l3vpn/service-management/ services/{serviceld} |
| HTTP Method | DELETE |
| Content-Type | application/vnd.netjuniper.space.service-management.service+xml |
| Produces | Decommissions a previously created IP service immediately. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
```

```

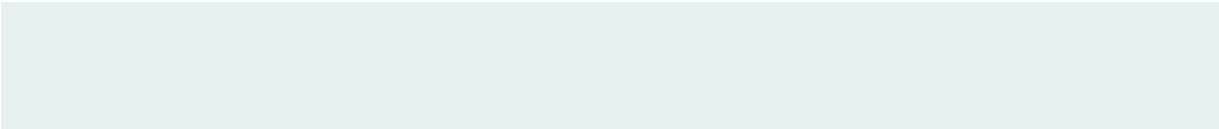
xsi:type="ServiceCustomActionType">
    <CustomAction>
        <Action>DecommissionLater</Action>
        <ScheduledDateTime></ScheduledDateTime>
    </CustomAction>
</Data>

```



Output

Sample XML Output



Modify a Full-Mesh IP Service with Static Routing Protocol for Addition of a Site

This request is used to modify an IP service with static routing protocol for addition of a site.

| | |
|--------------|--|
| URI | api/space/nsas/l3vpn/service-management/ services/{service-Id}/add-sites |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management. modify-service+xml application/vnd.net.juniper.space.service- management. modify-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml;version=2 application/vnd.net.juniper.space.service-management. service-status+xml |

Produces

Modifies an IP service with static routing protocol and with addition of a site.

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3VPN_FM_SO_Addsite_API01</Name>
        <Comments>fdgdfg</Comments>
      </Common>
      <ServiceType>l3vpn</ServiceType>
      <EnableMVPN>false</EnableMVPN>
      <Action>Modification</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="524310" uri="/api/space/nsas/deviceroles/pedevices/524557"
href="/api/space/nsas/deviceroles/pedevices/524310">
            <DeviceName>junosm102space</DeviceName>
            <DeviceID>524310</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>fe1/1/1</InterfaceName>
          <InterfaceIndex>525</InterfaceIndex>
        </ServiceEndPoint>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNFMSTATICEndPointConfigParameterOrderType">
          <AutoPickUnitID>false</AutoPickUnitID>
          <AutoPickVlanID>true</AutoPickVlanID>
          <UNIDescription>fghfghf</UNIDescription>
          <RoutingProtocol>Static</RoutingProtocol>
          <EthernetOption>Dot1Q</EthernetOption>
          <InterfaceIP>10.2.6.9/30</InterfaceIP>
          <RouteDistinguisher>69:2147467305</RouteDistinguisher>
          <StaticRoutingProtocolDetails>
            <DestinationPrefix>10.3.6.5/32</DestinationPrefix>
            <NextHop>10.3.6.1</NextHop>
          </StaticRoutingProtocolDetails>
        </ServiceEndpointConfiguration>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>
</Data>
```

```

    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Input

```

    <?xml version="1.0" encoding="UTF8" standalone="yes"?>
    <Data xmlns="services.schema.networkapi.jmp.juniper.net">
      <Status>
        <Identity>
          <Type>Service</Type>
          <Value>1671233</Value>
        </Identity>
        <Identity>
          <Type>ServiceOrder</Type>
          <Value>1671295</Value>
        </Identity>
        <Job>
          <ID>491628</ID>
          <Status>INPROGRESS</Status>
        </Job>
        <Code>200</Code>
        <Message>The Service Modified Successfully and Validation is in Progress.
Please check the status using the JOB ID.</Message>
      </Status>
    </Data>

```

Modify a Full-Mesh IP Service with Static Routing Protocol for Deletion of a Site

This request is used to modify an IP service with deletion of a site.

| | |
|--------------|--|
| URI | api/space/nsas/l3vpn/service-management/ services/{service-Id}/delete-sites |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management. modify-service+xml application/vnd.net.juniper.space.service- management. modify-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml application/vnd.net.juniper.space.service-management. service-status+xml;version=2 |
| Produces | Modifies an IP service with static routing protocol and with deletion of a site. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junosm102space</DeviceName>

            <DeviceID>524310</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>fe1/1/1</InterfaceName>
```

```

        <ServiceEndpointConfiguration
          xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
          xsi:type="L3VPNFMSTATICEndPointConfigParameterOrderType">

          <UNIDescription>hfghf</UNIDescription>

          <RoutingProtocol>Static</RoutingProtocol>

          <EthernetOption>Dot1Q</EthernetOption>

          <AutoPickUnitID>>false</AutoPickUnitID>
                                                    <UnitID>6</UnitID>

          <AutoPickVlanID>>false</AutoPickVlanID>
                                                    <VlanId>1</VlanId>

          <InterfaceIP>10.2.6.9/30</InterfaceIP>

          <RouteDistinguisher>69:2147467305</RouteDistinguisher>

          <StaticRoutingProtocolDetails>

            <DestinationPrefix>10.3.6.5/32</DestinationPrefix>

            <NextHop>10.3.6.1</NextHop>

          </StaticRoutingProtocolDetails>
        </ServiceEndpointConfiguration>
      </ServiceEndPoint>
    </ServiceEndPointGroup>
  </ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Input

```
<?xml version="1.0" encoding="UTF8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1671233</Value>
    </Identity>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>1671295</Value>
    </Identity>
    <Job>
      <ID>491628</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Modified Successfully and Validation is in Progress.
Please check the status using the JOB ID.</Message>
  </Status>
</Data>
```

Modify a Full-Mesh IP Service with Static Routing Protocol for Service Name and Endpoint Details

This request is used to modify an IP service for service name and endpoint information.

| | |
|--------------|---|
| URI | api/space/nsas/l3vpn/service-management/ services/{service-Id} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management. modify-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml;version=2 |

Produces

Modifies an IP service with static routing protocol and with updates to service name and endpoint details.

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource>
  <ServiceOrder>
    <Common>
      <Name>L3VPN_FM_STATIC_ModifyService_05</Name>
      <Comments>ertert</Comments>
    </Common>
    <ServiceType>l3vpn</ServiceType>
    <EnableMVPN>>false</EnableMVPN>
    <EnableMCLAG>>false</EnableMCLAG>
    <Action>Provisioning</Action>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <NA key="557168" uri="/api/space/nsas/deviceroles/pedevices/557168"
          href="/api/space/nsas/deviceroles/pedevices/557168">
          <DeviceName>junosspacel</DeviceName>
          <DeviceID>557168</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge0/1/5</InterfaceName>
        <InterfaceIndex>522</InterfaceIndex>
        <ServiceEndpointConfiguration
          xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
          xsi:type="L3VPNFMSSTATICEndPointConfigParameterOrderType">
          <UNIDescription>retretre</UNIDescription>
          <RoutingProtocol>Static</RoutingProtocol>
          <EthernetOption>Dot1Q</EthernetOption>
          <InterfaceIP>10.2.3.6</InterfaceIP>
          <RouteDistinguisher>69:2147467264</RouteDistinguisher>
          <StaticRoutingProtocolDetails>

          <DestinationPrefix>10.10.10.10/32</DestinationPrefix>
          <NextHop>10.10.10.10</NextHop>
```

```

        </StaticRoutingProtocolDetails>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
</ServiceEndPoint>
<EnableLoopback>>false</EnableLoopback>
<EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA key="557143" uri="/api/space/nsas/deviceroles/pedevices/557143"
            href="/api/space/nsas/deviceroles/pedevices/557143">
            <DeviceName>junospace2</DeviceName>
            <DeviceID>557143</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge0/1/5</InterfaceName>
        <InterfaceIndex>522</InterfaceIndex>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
            xsi:type="L3VPNFMSTATICEndPointConfigParameterOrderType">
            <UNIDescription>rtyrt</UNIDescription>
            <RoutingProtocol>Static</RoutingProtocol>
            <EthernetOption>Dot1Q</EthernetOption>
            <InterfaceIP>10.2.3.5</InterfaceIP>
            <RouteDistinguisher>69:2147467268</RouteDistinguisher>
            <StaticRoutingProtocolDetails>
                <DestinationPrefix>10.2.3.6/32</DestinationPrefix>
                <NextHop>10.2.3.6</NextHop>
            </StaticRoutingProtocolDetails>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
    <EnableLoopback>>false</EnableLoopback>
    <EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA key="557290" uri="/api/space/nsas/deviceroles/pedevices/557290"
            href="/api/space/nsas/deviceroles/pedevices/557290">
            <DeviceName>junospace3</DeviceName>
            <DeviceID>557290</DeviceID>
        </NA>

```

```

    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge0/1/6</InterfaceName>
      <InterfaceIndex>523</InterfaceIndex>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
        xsi:type="L3VPNFMSTATICEndPointConfigParameterOrderType">
        <UNIDescription>rtyrty</UNIDescription>
        <RoutingProtocol>Static</RoutingProtocol>
        <EthernetOption>Dot1Q</EthernetOption>
        <InterfaceIP>10.2.3.4</InterfaceIP>
        <RouteDistinguisher>65501:5455873</RouteDistinguisher>
        <StaticRoutingProtocolDetails>
          <DestinationPrefix>10.2.3.9/32</DestinationPrefix>
          <NextHop>10.2.8.4</NextHop>
        </StaticRoutingProtocolDetails>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
    <EnableLoopback>>false</EnableLoopback>
    <EnableStitchingPoint>>false</EnableStitchingPoint>
  </ServiceEndPointGroup>
  <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
    xsi:type="L3VPNConfigParameterOrderType">
    </ServiceOrderParameter>

</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

  <?xml version="1.0" encoding="UTF8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
    <Identity>

```

```
<Type>Service</Type>
<Value>720997</Value>
</Identity>
<Identity>
<Type>ServiceOrder</Type>
<Value>721119</Value>
</Identity>
<Job>
<ID>294944</ID>
<Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>The Service Modified Successfully and Validation is in Progress.
Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Get a Full-Mesh IP Service with Static Routing Protocol By Service ID

This request is used to retrieve the details of a particular full-mesh IP service with static routing protocol.

| | |
|-------------|--|
| URI | api/space/nsas/l3vpn/service-management/ services/<serviceId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml |
| Produces | Collects the details of a specific IP service with static routing protocol. |

Output

Sample XML Output

```

        <?xml version="1.0" encoding="UTF8" standalone="yes"?>
        <Data xmlns="services.schema.networkapi.jmp.juniper.net">
        <ServiceResource>
        <Service key="426095"
uri="/api/space/nsas/l3vpn/servicemanagement/services/426095"
href="/api/space/nsas/l3vpn/servicemanagement/services/426095">
        <Common>
        <Name>L3VPN_FM_STATIC_SO</Name>
        <Identity>426095</Identity>
        <State>Deployed</State>
        <Comments>ertert</Comments>
        <CreatedDate>20150121T11:53:29.000+05:30</CreatedDate>
        <LastUpdatedDate>20150121T11:53:29.000+05:30</LastUpdatedDate>
        </Common>
        <ServiceType>L3VPN</ServiceType>
        <EnableMVPN>false</EnableMVPN>
        <EnableMCLAG>false</EnableMCLAG>
        <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
        <SLAStatus>None</SLAStatus>
        </AuditFlag>
        <ServiceEndPointGroup>
        <DeviceInfo>
        <NA key="557168" uri="/api/space/nsas/deviceroles/pedevices/557168"
href="/api/space/nsas/deviceroles/pedevices/557168">
        <DeviceName>junosspacel</DeviceName>
        <DeviceID>557168</DeviceID>
        </NA>
        </DeviceInfo>
        <ServiceEndPoint>
        <InterfaceName>ge0/1/5</InterfaceName>
        <InterfaceIndex>522</InterfaceIndex>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNFMSTATICEndPointConfigParameterServiceType">
        <UNIDescription>retretre</UNIDescription>
        <RoutingProtocol>Static</RoutingProtocol>
        <EthernetOption>Dot1Q</EthernetOption>
        <UnitID>3</UnitID>
        <VlanId>3</VlanId>
        <InterfaceIP>10.2.3.6</InterfaceIP>

```

```

    <RouteDistinguisher>69:2147467264</RouteDistinguisher>
    <StaticRoutingProtocolDetails>
    <DestinationPrefix>10.2.4.1/32</DestinationPrefix>
    <NextHop>10.2.4.5</NextHop>
    </StaticRoutingProtocolDetails>
  </ServiceEndpointConfiguration>
  <ServiceTemplates/>
</ServiceEndPoint>
<EnableLoopback>>false</EnableLoopback>
<EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="557143" uri="/api/space/nsas/deviceroles/pedevices/557143"
href="/api/space/nsas/deviceroles/pedevices/557143">
    <DeviceName>junospace2</DeviceName>
    <DeviceID>557143</DeviceID>
  </NA>
</DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge0/1/5</InterfaceName>
    <InterfaceIndex>522</InterfaceIndex>
  <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNFMSTATICEndPointConfigParameterServiceType">
    <UNIDescription>rtyrt</UNIDescription>
    <RoutingProtocol>Static</RoutingProtocol>
    <EthernetOption>Dot1Q</EthernetOption>
    <UnitID>2</UnitID>
    <VlanId>2</VlanId>
    <InterfaceIP>10.2.3.5</InterfaceIP>
    <RouteDistinguisher>69:2147467268</RouteDistinguisher>
    <StaticRoutingProtocolDetails>
    <DestinationPrefix>10.2.3.6/32</DestinationPrefix>
    <NextHop>10.2.3.6</NextHop>
    </StaticRoutingProtocolDetails>
  </ServiceEndpointConfiguration>
  <ServiceTemplates/>
</ServiceEndPoint>
<EnableLoopback>>false</EnableLoopback>
<EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>

```

```

    <ServiceEndPointGroup>
      <DeviceInfo>
        <NA key="557290" uri="/api/space/nsas/deviceroles/pedevices/557290"
href="/api/space/nsas/deviceroles/pedevices/557290">
          <DeviceName>junosspace3</DeviceName>
          <DeviceID>557290</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge0/1/6</InterfaceName>
        <InterfaceIndex>523</InterfaceIndex>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNFMSTATICEndPointConfigParameterServiceType">
          <UNIDescription>rtyrty</UNIDescription>
          <RoutingProtocol>Static</RoutingProtocol>
          <EthernetOption>Dot1Q</EthernetOption>
          <UnitID>2</UnitID>
          <VlanId>2</VlanId>
          <InterfaceIP>10.2.3.4</InterfaceIP>
          <RouteDistinguisher>65501:5455873</RouteDistinguisher>
          <StaticRoutingProtocolDetails>
            <DestinationPrefix>10.2.3.9/32</DestinationPrefix>
            <NextHop>10.2.8.4</NextHop>
          </StaticRoutingProtocolDetails>
        </ServiceEndpointConfiguration>
      <ServiceTemplates/>
    </ServiceEndPoint>
    <EnableLoopback>>false</EnableLoopback>
    <EnableStitchingPoint>>false</EnableStitchingPoint>
  </ServiceEndPointGroup>
  <ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNConfigParameterServiceType">
    <RouteTarget>69:1454096384</RouteTarget>
  </ServiceParameters>
  <Reference>
    <ServiceOrder
uri="/api/space/nsas/l3vpn/servicemanagement/serviceorders/426079"
href="/api/space/nsas/l3vpn/servicemanagement/serviceorders/426079"
key="426079"/>
    <ServiceDefinition>
    <ServiceDefinitionID

```

```
uri="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/426056"
href="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/426056"
key="426056"/>
  </ServiceDefinition>
  <Customer uri="/api/space/nsas/customermanagement/customers/557305"
href="/api/space/nsas/customermanagement/customers/557305" key="557305"/>
    </Reference>
  </Service>
</ServiceResource>
</Data>
```

Modify a Hub-and-Spoke IP Service with Static Routing Protocol for Addition of a Site

This request is used to modify an IP service with static routing protocol for addition of a site.

| | |
|--------------|--|
| URI | api/space/nsas/l3vpn/service-management/ services/{service-Id}/add-sites |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.modify-service+xml application/vnd.net.juniper.space.service- management.modify-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml;version=2 application/vnd.net.juniper.space.service-management. service-status+xml |
| Produces | Modifies an IP service with static routing protocol and with addition of a site. |

Input

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3VPN_HS_Static_SO_Addsite_API</Name>
        <Comments>fdgdfg</Comments>
      </Common>
      <ServiceType>l3vpn</ServiceType>
      <EnableMVPN>>false</EnableMVPN>
      <Action>Modification</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="524557" uri="/api/space/nsas/deviceroles/pedevices/524557"
href="/api/space/nsas/deviceroles/pedevices/524557">
            <DeviceName>junospace3</DeviceName>
            <DeviceID>524557</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge0/2/0</InterfaceName>
          <InterfaceIndex>525</InterfaceIndex>
        </ServiceEndPoint>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNHSSTATICEndPointConfigParameterOrderType">
          <UNIDescription>hfgfh</UNIDescription>
          <RoutingProtocol>Static</RoutingProtocol>
          <EthernetOption>Dot1Q</EthernetOption>
          <AutoPickUnitID>>false</AutoPickUnitID>
          <UnitID>5</UnitID>
          <AutoPickVlanID>>true</AutoPickVlanID>
          <InterfaceIP AutoPick="true"/>
        </ServiceEndpointConfiguration>
        <IPAddressPool>10.0.88.0/24</IPAddressPool>
        <Hub>>false</Hub>
        <SpokeRouteDistinguisher>65501:5455881</SpokeRouteDistinguisher>
        <StaticRoutingProtocolDetails>
          <DestinationPrefix>10.2.3.6/32</DestinationPrefix>
          <NextHop>10.2.3.4</NextHop>
        </StaticRoutingProtocolDetails>
      </ServiceEndPoint>
    </ServiceOrder>
  </ServiceResource>
  <EnableLoopback>>false</EnableLoopback>
  <EnableStitchingPoint>>false</EnableStitchingPoint>

```

```

</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
  xsi:type="L3VPNConfigParameterOrderType">
  <HubRouteTarget>69:1454096390</HubRouteTarget>
  <SpokeRouteTarget>69:1454096391</SpokeRouteTarget>
</ServiceOrderParameter>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Input

```

    <?xml version="1.0" encoding="UTF8" standalone="yes"?>
    <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
    <Identity>
    <Type>Service</Type>
    <Value>1671233</Value>
    </Identity>
    <Identity>
    <Type>ServiceOrder</Type>
    <Value>1671295</Value>
    </Identity>
    <Job>
    <ID>491628</ID>
    <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Modified Successfully and Validation is in Progress.
Please check the status using the JOB ID.</Message>
    </Status>
    </Data>

```

Modify a Hub-and-Spoke IP Service with Static Routing Protocol for Deletion of a Site

This request is used to modify an IP service with deletion of a site.

| | |
|--------------|--|
| URI | api/space/nsas/l3vpn/service-management/services/{service-Id}/delete-sites |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.modify-service+xml application/vnd.net.juniper.space.service-management.modify-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml application/vnd.net.juniper.space.service-management.service-status+xml;version=2 |
| Produces | Modifies an IP service with static routing protocol and with deletion of a site. |

Input

Sample XML Input

```

    <Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junosspace3</DeviceName>

                                <DeviceID>524557</DeviceID>

          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge0/2/0</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"

```

```

xsi:type="L3VPNHSSTATICEndPointConfigParameterOrderType">

<UNIDescription>hfgfh</UNIDescription>

<RoutingProtocol>Static</RoutingProtocol>

<EthernetOption>Dot1Q</EthernetOption>

<AutoPickUnitID>false</AutoPickUnitID>

<UnitID>5</UnitID>

<AutoPickVlanID>false</AutoPickVlanID>

<VlanId>3</VlanId>

<InterfaceIP>10.0.88.9/30</InterfaceIP>

<Hub>false</Hub>

<SpokeRouteDistinguisher>65501:5455882</SpokeRouteDistinguisher>

<StaticRoutingProtocolDetails>

    <DestinationPrefix>10.2.3.6/32</DestinationPrefix>

    <NextHop>10.2.3.4</NextHop>

</StaticRoutingProtocolDetails>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Input

```
<?xml version="1.0" encoding="UTF8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1671233</Value>
    </Identity>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>1671295</Value>
    </Identity>
    <Job>
      <ID>491628</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Modified Successfully and Validation is in Progress.
Please check the status using the JOB ID.</Message>
  </Status>
</Data>
```

Modify a Hub-and-Spoke IP Service with Static Routing Protocol for Service Name and Endpoint Details

This request is used to modify an IP service for service name and endpoint information.

| | |
|--------------|---|
| URI | api/space/nsas/l3vpn/service-management/ services/{service-Id} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management. modify-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml;version=2 |

Produces

Modifies an IP service with static routing protocol and with updates to service name and endpoint details.

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource>
  <ServiceOrder>
    <Common>
      <Name>L3VPN_HupSpoke_ModifyService_API</Name>
      <Comments>fdgfdgd</Comments>
    </Common>
    <ServiceType>l3vpn</ServiceType>
    <EnableMVPN>>false</EnableMVPN>
    <Action>Provisioning</Action>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <NA key="557168" uri="/api/space/nsas/deviceroles/pedevices/557168"
          href="/api/space/nsas/deviceroles/pedevices/557168">
          <DeviceName>junosspacel</DeviceName>
          <DeviceID>557168</DeviceID>
        </NA>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge0/1/6</InterfaceName>
        <InterfaceIndex>523</InterfaceIndex>
        <ServiceEndpointConfiguration
          xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
          xsi:type="L3VPNHSSTATICEndPointConfigParameterOrderType">
          <UNIDescription>rewtr</UNIDescription>
          <RoutingProtocol>Static</RoutingProtocol>
          <EthernetOption>Dot1Q</EthernetOption>
          <InterfaceIP>10.2.3.4</InterfaceIP>
          <Hub>>false</Hub>
          <SpokeRouteDistinguisher>69:2147467288</SpokeRouteDistinguisher>
          <StaticRoutingProtocolDetails>
            <DestinationPrefix>12.12.12.12/32</DestinationPrefix>
            <NextHop>10.2.1.3</NextHop>
          </StaticRoutingProtocolDetails>
        </ServiceEndpointConfiguration>
      </ServiceEndPoint>
    </ServiceEndPointGroup>
  </ServiceOrder>
</ServiceResource>
</Data>
```

```

    </ServiceEndPoint>
    <EnableLoopback>>false</EnableLoopback>
    <EnableStitchingPoint>>false</EnableStitchingPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA key="557143" uri="/api/space/nsas/deviceroles/pedevices/557143"
        href="/api/space/nsas/deviceroles/pedevices/557143">
        <DeviceName>junospace2</DeviceName>
        <DeviceID>557143</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge0/1/5</InterfaceName>
      <InterfaceIndex>522</InterfaceIndex>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNHSSTATICEndPointConfigParameterOrderType">
        <UNIDescription>dtgdfg</UNIDescription>
        <RoutingProtocol>Static</RoutingProtocol>
        <EthernetOption>Dot1Q</EthernetOption>
        <InterfaceIP>10.6.9.1</InterfaceIP>
        <Hub>>false</Hub>
        <SpokeRouteDistinguisher>69:2147467290</SpokeRouteDistinguisher>
        <StaticRoutingProtocolDetails>
          <DestinationPrefix>10.2.9.1/32</DestinationPrefix>
          <NextHop>10.2.3.6</NextHop>
        </StaticRoutingProtocolDetails>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
    <EnableLoopback>>false</EnableLoopback>
    <EnableStitchingPoint>>false</EnableStitchingPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA key="557290" uri="/api/space/nsas/deviceroles/pedevices/557290"
        href="/api/space/nsas/deviceroles/pedevices/557290">
        <DeviceName>junospace3</DeviceName>
        <DeviceID>557290</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>

```

```

    <InterfaceName>ge0/2/1</InterfaceName>
    <InterfaceIndex>526</InterfaceIndex>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNHSSTATICEndPointConfigParameterOrderType">
      <UNIDescription>werwer</UNIDescription>
      <RoutingProtocol>Static</RoutingProtocol>
      <EthernetOption>Dot1Q</EthernetOption>
      <InterfaceIP>10.2.9.4</InterfaceIP>
      <Hub>true</Hub>
      <HubRouteDistinguisher>65501:5455881</HubRouteDistinguisher>
      <StaticRoutingProtocolDetails>
        <DestinationPrefix>10..9.7/32</DestinationPrefix>
        <NextHop>10.2.9.8</NextHop>
      </StaticRoutingProtocolDetails>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
  <EnableLoopback>>false</EnableLoopback>
  <EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
  <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNConfigParameterOrderType">
    </ServiceOrderParameter>
    <Reference>
      <Customer key="557305" />
      <ServiceDefinition>
        <ServiceDefinitionID key="721135" />
      </ServiceDefinition>
    </Reference>
  </ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>720887</Value>
    </Identity>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>721899</Value>
    </Identity>
    <Job>
      <ID>295244</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Modified Successfully and Validation is in Progress.
Please check the status using the JOB ID.</Message>
  </Status>
</Data>
```

Get a Hub-and-Spoke IP Service with Static Routing Protocol By Service ID

This request is used to retrieve the details of a particular hub-and-spoke IP service with static routing protocol.

| | |
|-------------|--|
| URI | api/space/nsas/l3vpn/service-management/ services/<serviceld> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. services+xml |
| Produces | Collects the details of a specific IP service with static routing protocol. |

Output

Sample XML Output

```

    <?xml version="1.0" encoding="UTF8" standalone="yes"?>
    <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
    <Service key="1310752"
uri="/api/space/nsas/l3vpn/servicemanagement/services/1310752"
href="/api/space/nsas/l3vpn/servicemanagement/services/1310752">
    <Common>
    <Name>L3VPN_HupSpoke_ModifySO_API</Name>
    <Identity>1310752</Identity>
    <State>Deployed</State>
    <Comments>fdgfdgd</Comments>
    <CreatedDate>20150121T20:50:16.000+05:30</CreatedDate>
    <LastUpdatedDate>20150121T20:50:16.000+05:30</LastUpdatedDate>
    </Common>
    <ServiceType>L3VPN</ServiceType>
    <EnableMVPN>false</EnableMVPN>
    <AuditFlag>
    <FunctionalAudit>Pending</FunctionalAudit>
    <FaultStatus>None</FaultStatus>
    <SLAStatus>None</SLAStatus>
    </AuditFlag>
    <ServiceEndPointGroup>
    <DeviceInfo>
    <NA key="557168" uri="/api/space/nsas/deviceroles/pedevices/557168"
href="/api/space/nsas/deviceroles/pedevices/557168">
    <DeviceName>junosspacel</DeviceName>
    <DeviceID>557168</DeviceID>
    </NA>
    </DeviceInfo>
    <ServiceEndPoint>
    <InterfaceName>ge0/1/6</InterfaceName>
    <InterfaceIndex>523</InterfaceIndex>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNHSSTATICEndPointConfigParameterServiceType">
    <UNIDescription>rewtr</UNIDescription>
    <RoutingProtocol>Static</RoutingProtocol>
    <EthernetOption>Dot1Q</EthernetOption>
    <UnitID>4</UnitID>
    <VlanId>4</VlanId>
    <InterfaceIP>10.2.3.4</InterfaceIP>

```

```

    <Hub>false</Hub>
    <SpokeRouteDistinguisher>69:2147467295</SpokeRouteDistinguisher>
    <StaticRoutingProtocolDetails>
    <DestinationPrefix>12.12.12.12/32</DestinationPrefix>
    <NextHop>10.2.1.3</NextHop>
    </StaticRoutingProtocolDetails>
  </ServiceEndpointConfiguration>
  <ServiceTemplates/>
</ServiceEndPoint>
<EnableLoopback>false</EnableLoopback>
<EnableStitchingPoint>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA key="557143" uri="/api/space/nsas/deviceroles/pedevices/557143"
href="/api/space/nsas/deviceroles/pedevices/557143">
    <DeviceName>junosspace2</DeviceName>
    <DeviceID>557143</DeviceID>
  </NA>
</DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge0/1/5</InterfaceName>
    <InterfaceIndex>522</InterfaceIndex>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNHSSTATICEndPointConfigParameterServiceType">
    <UNIDescription>dtgdfg</UNIDescription>
    <RoutingProtocol>Static</RoutingProtocol>
    <EthernetOption>Dot1Q</EthernetOption>
    <UnitID>11</UnitID>
    <VlanId>11</VlanId>
    <InterfaceIP>10.6.9.1</InterfaceIP>
    <Hub>false</Hub>
    <SpokeRouteDistinguisher>69:2147467297</SpokeRouteDistinguisher>
    <StaticRoutingProtocolDetails>
    <DestinationPrefix>10.2.9.1/32</DestinationPrefix>
    <NextHop>10.2.3.6</NextHop>
    </StaticRoutingProtocolDetails>
  </ServiceEndpointConfiguration>
  <ServiceTemplates/>
</ServiceEndPoint>
<EnableLoopback>false</EnableLoopback>

```

```

    <EnableStitchingPoint>false</EnableStitchingPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA key="557290" uri="/api/space/nsas/deviceroles/pedevices/557290"
href="/api/space/nsas/deviceroles/pedevices/557290">
        <DeviceName>junospace3</DeviceName>
        <DeviceID>557290</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge0/2/1</InterfaceName>
      <InterfaceIndex>526</InterfaceIndex>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNHSSTATICEndPointConfigParameterServiceType">
        <UNIDescription>werwer</UNIDescription>
        <RoutingProtocol>Static</RoutingProtocol>
        <EthernetOption>Dot1Q</EthernetOption>
        <UnitID>3</UnitID>
        <VlanId>3</VlanId>
        <InterfaceIP>10.2.9.4</InterfaceIP>
        <Hub>true</Hub>
        <HubRouteDistinguisher>65501:5455884</HubRouteDistinguisher>
        <StaticRoutingProtocolDetails>
          <DestinationPrefix>10.3.9.7/32</DestinationPrefix>
          <NextHop>10.2.9.8</NextHop>
        </StaticRoutingProtocolDetails>
      </ServiceEndpointConfiguration>
    </ServiceTemplates/>
  </ServiceEndPoint>
  <EnableLoopback>false</EnableLoopback>
  <EnableStitchingPoint>false</EnableStitchingPoint>
</ServiceEndPointGroup>
  <ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNConfigParameterServiceType">
    <VRFTabelLabel>Enabled</VRFTabelLabel>
    <HubRouteTarget>69:1454096396</HubRouteTarget>
    <SpokeRouteTarget>69:1454096397</SpokeRouteTarget>
  </ServiceParameters>
  <Reference>
  <ServiceOrder

```

```
uri="/api/space/nsas/l3vpn/servicemanagement/serviceorders/1310736"
href="/api/space/nsas/l3vpn/servicemanagement/serviceorders/1310736"
key="1310736"/>
  <ServiceDefinition>
    <ServiceDefinitionID
uri="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/721135"
href="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/721135"
key="721135"/>
    </ServiceDefinition>
    <Customer uri="/api/space/nsas/customermanagement/customers/557305"
href="/api/space/nsas/customermanagement/customers/557305" key="557305"/>
    </Reference>
  </Service>
</ServiceResource>
</Data>
```

Get an IP Service with MC-LAG By Service ID

This request is used to retrieve the details of a particular IP service with MC-LAG.

| | |
|-------------|---|
| URI | api/space/nsas/l3vpn/service-management/ services/<serviceId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml |
| Produces | Collects the details of a specific IP service with MC-LAG. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service key="3440670"
uri="/api/space/nsas/l3vpn/servicemanagement/services/3440670"
```

```

href="/api/space/nsas/l3vpn/servicemanagement/services/3440670">
  <Common>
    <Name>L3VPN_SO_API_ModifySO_01</Name>
    <Identity>3440670</Identity>
    <State>Deployed</State>
    <Comments>sreret</Comments>
    <CreatedDate>20150102T18:10:45.000+05:30</CreatedDate>
    <LastUpdatedDate>20150102T18:10:45.000+05:30</LastUpdatedDate>
  </Common>
  <ServiceType>L3VPN</ServiceType>
  <EnableMVPN>false</EnableMVPN>
  <EnableMCLAG>true</EnableMCLAG>
  <AuditFlag>
    <FunctionalAudit>Pending</FunctionalAudit>
    <FaultStatus>None</FaultStatus>
    <SLAStatus>None</SLAStatus>
  </AuditFlag>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA key="557127" uri="/api/space/nsas/deviceroles/pedevices/557127"
href="/api/space/nsas/deviceroles/pedevices/557127">
        <DeviceName>junosmx240space</DeviceName>
        <DeviceID>557127</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>irb</InterfaceName>
      <InterfaceIndex>507</InterfaceIndex>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterServiceType">
        <RoutingProtocol>OSPF</RoutingProtocol>
        <EthernetOption>Dot1Q</EthernetOption>
        <UnitID>14</UnitID>
        <VlanId>8</VlanId>
        <InterfaceIP>10.2.4.8</InterfaceIP>
        <RouteDistinguisher>69:2147467294</RouteDistinguisher>
        <OSPFAreaId>0.0.0.0</OSPFAreaId>
        <OSPFVersion>Ver 2</OSPFVersion>
        <MCLAGinterface>ae2</MCLAGinterface>
        <MCLAGDescription>erwer</MCLAGDescription>
        <VRRPSettings>

```

```

        <VRRPGroupname>40</VRRPGroupname>
        <VRRPIPaddress>10.1.1.1/29</VRRPIPaddress>
    </VRRPSettings>
</ServiceEndpointConfiguration>
<ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA key="557292" uri="/api/space/nsas/deviceroles/pedevices/557292"
href="/api/space/nsas/deviceroles/pedevices/557292">
            <DeviceName>junosmx801space</DeviceName>
            <DeviceID>557292</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>irb</InterfaceName>
        <InterfaceIndex>507</InterfaceIndex>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterServiceType">
            <UNIDescription>gfhgth</UNIDescription>
            <RoutingProtocol>OSPF</RoutingProtocol>
            <EthernetOption>Dot1Q</EthernetOption>
            <UnitID>8</UnitID>
            <VlanId>8</VlanId>
            <InterfaceIP>10.7.2.8</InterfaceIP>
            <RouteDistinguisher>69:2147467295</RouteDistinguisher>
            <OSPFAreaId>0.0.0.0</OSPFAreaId>
            <OSPFVersion>Ver 2</OSPFVersion>
            <MCLAGinterface>em0</MCLAGinterface>
            <MCLAGDescription>trtyrt</MCLAGDescription>
            <VRRPSettings>
                <VRRPGroupname>40</VRRPGroupname>
                <VRRPIPaddress>10.1.1.1/29</VRRPIPaddress>
            </VRRPSettings>
        </ServiceEndpointConfiguration>
        <ServiceTemplates/>
    </ServiceEndPoint>
</ServiceEndPointGroup>
    <ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNConfigParameterServiceType">

```

```
<RouteTarget>69:1454096399</RouteTarget>
<VRFTabelLabel>Enabled</VRFTabelLabel>
</ServiceParameters>
<Reference>
  <ServiceOrder
uri="/api/space/nsas/l3vpn/servicemanagement/serviceorders/3440655"
href="/api/space/nsas/l3vpn/servicemanagement/serviceorders/3440655"
key="3440655"/>
  <ServiceDefinition>
    <ServiceDefinitionID
uri="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/884828"
href="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/884828"
key="884828"/>
    </ServiceDefinition>
    <Customer uri="/api/space/nsas/customermanagement/customers/558401"
href="/api/space/nsas/customermanagement/customers/558401" key="558401"/>
    </Reference>
  </Service>
</ServiceResource>
</Data>
```

Modify an IP Service with Default Service Template for Addition of a Site

This request is used to modify an IP service configured with default service template for addition of a site.

| | |
|--------------|--|
| URI | api/space/nsas/l3vpn/service-management/ services/add-sites |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management. modify-service+xml; version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml; version=2 |
| Produces | Modifies an IP service configured with default service template for addition of a site. |

Input (Full-Mesh IP)

Sample XML Input

```

<example>
<title>Sample XML Input</title>
<code><?Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3VPN_OSPFHS_ModifySO_API</Name>
        <Comments>dgdgdfg</Comments>
      </Common>
      <ServiceType>l3vpn</ServiceType>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA>
            <DeviceName>junosspacel</DeviceName>
            <DeviceID>524377</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge0/1/5</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNHOSPFEndPointConfigParameterOrderType">
            <EthernetOption>VLAN</EthernetOption>
            <AutoPickVlanID>true</AutoPickVlanID>
            <InterfaceIP AutoPick="true"/>
            <IPAddressPool>10.0.88.0/24</IPAddressPool>
            <Hub>true</Hub>
            <OSPFAreaId>0.0.0.0</OSPFAreaId>
            <OSPFVersion>Ver 2</OSPFVersion>
          </ServiceEndpointConfiguration>
          <ServiceTemplates>
            <ServiceTemplate>
              <ID>66341</ID>
              <ConfigParams>
                <Name>3</Name>
                <Value>None</Value>
                <Decommission>false</Decommission>
                <SvcSpecificValue>false</SvcSpecificValue>
              </ConfigParams>
            </ServiceTemplate>
          </ServiceTemplates>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>
</code>

```

```

        <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
    <ConfigParams>
        <Name>Inner</Name>
        <Value>None</Value>
        <Decommission>>false</Decommission>
        <SvcSpecificValue>>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
</ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <EnableLoopback>>true</EnableLoopback>
    <DeviceInfo>
        <NA>
            <DeviceName>junosmx240space</DeviceName>
            <DeviceID>524302</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge0/1/5</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
xsi:type="L3VPNHSOSPFEndPointConfigParameterOrderType">
            <EthernetOption>VLAN</EthernetOption>
            <AutoPickVlanID>>true</AutoPickVlanID>
            <InterfaceIP AutoPick="true"/>
            <IPAddressPool>10.0.88.0/24</IPAddressPool>
            <Hub>>true</Hub>
            <OSPFAreaId>0.0.0.0</OSPFAreaId>
            <OSPFVersion>Ver 2</OSPFVersion>
        </ServiceEndpointConfiguration>
    </ServiceTemplates>
    <ServiceTemplate>
        <ID>66341</ID>
        <ConfigParams>
            <Name>3</Name>
            <Value>None</Value>
            <Decommission>>false</Decommission>
            <SvcSpecificValue>>false</SvcSpecificValue>

```

```

        <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
    <ConfigParams>
        <Name>Inner</Name>
        <Value>None</Value>
        <Decommission>>false</Decommission>
        <SvcSpecificValue>>false</SvcSpecificValue>
        <ConfigPageName>cpl</ConfigPageName>
    </ConfigParams>
</ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
</Data>

</code>
</example>

```

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>917826</Value>
    </Identity>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>917920</Value>
    </Identity>
  </Status>
  <Job>
    <ID>294967</ID>
    <Status>INPROGRESS</Status>
  </Job>
  <Code>200</Code>
  <Message>The Service Modified Successfully and Validation is in Progress.

```

```
    Please check the status using the JOB ID.</Message>
  </Status>
</Data>
```

Get IP Service Details with Endpoints Paginated

This request is used to get IP service details with endpoints paginated.

| | |
|--------------|---|
| URI | api/space/nsas/l3vpn/service-management/ services/basics |
| HTTP Method | GET |
| Content-Type | application/vnd.net.juniper.space.service- management. service+xml; version2; |
| Consumes | application/vnd.net.juniper.space.service-management. service+xml; version=2 |
| Produces | Gets IP service details with endpoints paginated. |

Output

Sample XML Output

```
?xml version="1.0" encoding="UTF8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service href="/api/space/nsas/l3vpn/servicemanagement/services/3803200"
uri="/api/space/nsas/l3vpn/servicemanagement/services/3803200" key="3803200">
      <Common>
        <Name>Deploytestverify</Name>
        <Identity>3803200</Identity>
        <State>Deployed</State>
        <CreatedDate>20160627T19:46:53.000+05:30</CreatedDate>
```

```

<LastUpdatedDate>20160629T12:18:02.000+05:30</LastUpdatedDate>
</Common>
<ServiceType>L3VPN</ServiceType>
<EnableMVPN>>false</EnableMVPN>
<AuditFlag>
<FunctionalAudit>Pending</FunctionalAudit>
<ConfigurationAudit>Pending</ConfigurationAudit>
<FaultStatus>None</FaultStatus>
<SLAStatus>None</SLAStatus>
<OverallStatus>N/A</OverallStatus>
</AuditFlag>
<endpointcount>31</endpointcount>
<ServiceEndPointGroup>
<DeviceInfo>
<NA href="/api/space/nsas/deviceroles/pedevices/688204"
uri="/api/space/nsas/deviceroles/pedevices/688204" key="688204">
<DeviceName>480MX</DeviceName>
<DeviceID>688204</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge0/0/6</InterfaceName>
<InterfaceIndex>536</InterfaceIndex>
<InterfaceStatus>up</InterfaceStatus>
<ServiceEndpointConfiguration
xsi:type="L3VPNFMOSPFEndPointConfigParameterServiceType"
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance">
<RoutingProtocol>OSPF</RoutingProtocol>
<EthernetOption>Dot1Q</EthernetOption>
<AutoPickUnitID>>false</AutoPickUnitID>
<UnitID>2</UnitID>
<VlanId>2</VlanId>
<InterfaceIP>10.0.77.45/30</InterfaceIP>
<MTU>1522</MTU>
<RouteDistinguisher>65001:28</RouteDistinguisher>
<OSPFAreaId>0.0.0.0</OSPFAreaId>
<OSPFVersion>Ver 2</OSPFVersion>
</ServiceEndpointConfiguration>
<ServiceTemplates>
<ServiceTemplate
href="/api/space/nsas/l3vpn/servicemanagement/servicetemplates/3866624"
uri="/api/space/nsas/l3vpn/servicemanagement/servicetemplates/3866624"

```

```

key="3866624">
<ID>3866624</ID>
<Name>Set Family CCC</Name>
</ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
<EnableLoopback>>false</EnableLoopback>
<EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DeviceInfo>
<NA href="/api/space/nsas/deviceroles/pedevices/688204"
uri="/api/space/nsas/deviceroles/pedevices/688204" key="688204">
<DeviceName>480MX</DeviceName>
<DeviceID>688204</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge0/0/8</InterfaceName>
<InterfaceIndex>538</InterfaceIndex>
<InterfaceStatus>up</InterfaceStatus>
<ServiceEndpointConfiguration
xsi:type="L3VPNFMOSPFEndPointConfigParameterServiceType"
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance">
<RoutingProtocol>OSPF</RoutingProtocol>
<EthernetOption>Dot1Q</EthernetOption>
<AutoPickUnitID>>false</AutoPickUnitID>
<UnitID>4</UnitID>
<VlanId>3</VlanId>
<InterfaceIP>10.0.88.93/30</InterfaceIP>
<MTU>1522</MTU>
<RouteDistinguisher>65001:28</RouteDistinguisher>
<OSPFAreaId>0.0.0.0</OSPFAreaId>
<OSPFVersion>Ver 2</OSPFVersion>
</ServiceEndpointConfiguration>
<ServiceTemplates>
<ServiceTemplate
href="/api/space/nsas/l3vpn/servicemanagement/servicetemplates/3866624"
uri="/api/space/nsas/l3vpn/servicemanagement/servicetemplates/3866624"
key="3866624">
<ID>3866624</ID>
<Name>Set Family CCC</Name>

```

```

ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
<EnableLoopback>>false</EnableLoopback>
<EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DeviceInfo>
<NA href="/api/space/nsas/deviceroles/pedevices/688204"
uri="/api/space/nsas/deviceroles/pedevices/688204" key="688204">
<DeviceName>480MX</DeviceName>
<DeviceID>688204</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge0/0/8</InterfaceName>
<InterfaceIndex>538</InterfaceIndex>
<InterfaceStatus>up</InterfaceStatus>
<ServiceEndpointConfiguration
xsi:type="L3VPNFMOspfEndPointConfigParameterServiceType"
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance">
<RoutingProtocol>OSPF</RoutingProtocol>
<EthernetOption>Dot1Q</EthernetOption>
<AutoPickUnitID>>false</AutoPickUnitID>
<UnitID>5</UnitID>
<VlanId>4</VlanId>
<InterfaceIP>10.0.77.53/30</InterfaceIP>
<MTU>1522</MTU>
<RouteDistinguisher>65001:28</RouteDistinguisher>
<OSPFAreaId>0.0.0.0</OSPFAreaId>
<OSPFVersion>Ver 2</OSPFVersion>
</ServiceEndpointConfiguration>
<ServiceTemplates>
<ServiceTemplate
href="/api/space/nsas/l3vpn/servicemanagement/servicetemplates/3866624"
uri="/api/space/nsas/l3vpn/servicemanagement/servicetemplates/3866624"
key="3866624">
<ID>3866624</ID>
<Name>Set Family CCC</Name>
</ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>

```

```

<EnableLoopback>>false</EnableLoopback>
<EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/deviceroles/pedevices/688204"
    uri="/api/space/nsas/deviceroles/pedevices/688204" key="688204">
      <DeviceName>480MX</DeviceName>
      <DeviceID>688204</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge0/0/7</InterfaceName>
    <InterfaceIndex>537</InterfaceIndex>
    <InterfaceStatus>up</InterfaceStatus>
    <ServiceEndpointConfiguration
    xsi:type="L3VPNFMOspfEndPointConfigParameterServiceType"
    xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance">
      <RoutingProtocol>OSPF</RoutingProtocol>
      <EthernetOption>Dot1Q</EthernetOption>
      <AutoPickUnitID>>false</AutoPickUnitID>
      <UnitID>6</UnitID>
      <VlanId>6</VlanId>
      <InterfaceIP>10.0.77.49/30</InterfaceIP>
      <MTU>1522</MTU>
      <RouteDistinguisher>65001:28</RouteDistinguisher>
      <OSPFAreaId>0.0.0.0</OSPFAreaId>
      <OSPFVersion>Ver 2</OSPFVersion>
    </ServiceEndpointConfiguration>
    <ServiceTemplates>
      <ServiceTemplate
      href="/api/space/nsas/l3vpn/servicemanagement/servicetemplates/3866624"
      uri="/api/space/nsas/l3vpn/servicemanagement/servicetemplates/3866624"
      key="3866624">
        <ID>3866624</ID>
        <Name>Set Family CCC</Name>
      </ServiceTemplate>
    </ServiceTemplates>
  </ServiceEndPoint>
  <EnableLoopback>>false</EnableLoopback>
  <EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>

```

```

<NA href="/api/space/nsas/deviceroles/pedevices/688204"
uri="/api/space/nsas/deviceroles/pedevices/688204" key="688204">
<DeviceName>480MX</DeviceName>
<DeviceID>688204</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge0/0/7</InterfaceName>
<InterfaceIndex>537</InterfaceIndex>
<InterfaceStatus>up</InterfaceStatus>
<ServiceEndpointConfiguration
xsi:type="L3VPNFMOspfEndPointConfigParameterServiceType"
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance">
<RoutingProtocol>OSPF</RoutingProtocol>
<EthernetOption>Dot1Q</EthernetOption>
<AutoPickUnitID>false</AutoPickUnitID>
<UnitID>5</UnitID>
<VlanId>5</VlanId>
<InterfaceIP>10.0.88.89/30</InterfaceIP>
<MTU>1522</MTU>
<RouteDistinguisher>65001:28</RouteDistinguisher>
<OSPFAreaId>0.0.0.0</OSPFAreaId>
<OSPFVersion>Ver 2</OSPFVersion>
</ServiceEndpointConfiguration>
<ServiceTemplates>
<ServiceTemplate
href="/api/space/nsas/l3vpn/servicemanagement/servicetemplates/3866624"
uri="/api/space/nsas/l3vpn/servicemanagement/servicetemplates/3866624"
key="3866624">
<ID>3866624</ID>
<Name>Set Family CCC</Name>
</ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
<EnableLoopback>false</EnableLoopback>
<EnableStitchingPoint>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DeviceInfo>
<NA href="/api/space/nsas/deviceroles/pedevices/688204"
uri="/api/space/nsas/deviceroles/pedevices/688204" key="688204">
<DeviceName>480MX</DeviceName>

```

```

<DeviceID>688204</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge0/1/1</InterfaceName>
<InterfaceIndex>541</InterfaceIndex>
<InterfaceStatus>up</InterfaceStatus>
<ServiceEndpointConfiguration
xsi:type="L3VPNFMOSPFEndPointConfigParameterServiceType"
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance">
<RoutingProtocol>OSPF</RoutingProtocol>
<EthernetOption>Dot1Q</EthernetOption>
<AutoPickUnitID>false</AutoPickUnitID>
<UnitID>3</UnitID>
<VlanId>3</VlanId>
<InterfaceIP>10.0.88.97/30</InterfaceIP>
<MTU>1522</MTU>
<RouteDistinguisher>65001:28</RouteDistinguisher>
<OSPFAreaId>0.0.0.0</OSPFAreaId>
<OSPFVersion>Ver 2</OSPFVersion>
</ServiceEndpointConfiguration>
<ServiceTemplates>
<ServiceTemplate
href="/api/space/nsas/l3vpn/servicemanagement/servicetemplates/3866624"
uri="/api/space/nsas/l3vpn/servicemanagement/servicetemplates/3866624"
key="3866624">
<ID>3866624</ID>
<Name>Set Family CCC</Name>
</ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
<EnableLoopback>false</EnableLoopback>
<EnableStitchingPoint>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DeviceInfo>
<NA href="/api/space/nsas/deviceroles/pedevices/688204"
uri="/api/space/nsas/deviceroles/pedevices/688204" key="688204">
<DeviceName>480MX</DeviceName>
<DeviceID>688204</DeviceID>
</NA>
</DeviceInfo>

```

```

<ServiceEndPoint>
  <InterfaceName>ge0/1/5</InterfaceName>
  <InterfaceIndex>545</InterfaceIndex>
  <InterfaceStatus>up</InterfaceStatus>
  <ServiceEndpointConfiguration
xsi:type="L3VPNFMOspfEndPointConfigParameterServiceType"
xmlns:xsi="http://www.w3.org/2001/XMLSchemaInstance">
    <RoutingProtocol>OSPF</RoutingProtocol>
    <EthernetOption>Dot1Q</EthernetOption>
    <AutoPickUnitID>false</AutoPickUnitID>
    <UnitID>2</UnitID>
    <VlanId>2</VlanId>
    <InterfaceIP>10.0.88.105/30</InterfaceIP>
    <MTU>1522</MTU>
    <RouteDistinguisher>65001:28</RouteDistinguisher>
    <OSPFAreaId>0.0.0.0</OSPFAreaId>
    <OSPFVersion>Ver 2</OSPFVersion>
  </ServiceEndpointConfiguration>
  <ServiceTemplates>
    <ServiceTemplate
href="/api/space/nsas/l3vpn/servicemanagement/servicetemplates/3866624"
uri="/api/space/nsas/l3vpn/servicemanagement/servicetemplates/3866624"
key="3866624">
      <ID>3866624</ID>
      <Name>Set Family CCC</Name>
    </ServiceTemplate>
  </ServiceTemplates>
</ServiceEndPoint>
<EnableLoopback>false</EnableLoopback>
<EnableStitchingPoint>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/devicerole/pedevices/688204"
uri="/api/space/nsas/devicerole/pedevices/688204" key="688204">
      <DeviceName>480MX</DeviceName>
      <DeviceID>688204</DeviceID>
    </NA></DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge0/1/7</InterfaceName>
    <InterfaceIndex>547</InterfaceIndex>
    <InterfaceStatus>up</InterfaceStatus>

```

```

<ServiceEndpointConfiguration
xsi:type="L3VPNFMOSPFEndPointConfigParameterServiceType"
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance">
<RoutingProtocol>OSPF</RoutingProtocol>
<EthernetOption>Dot1Q</EthernetOption>
<AutoPickUnitID>false</AutoPickUnitID>
<UnitID>2</UnitID>
<VlanId>2</VlanId>
<InterfaceIP>10.0.88.109/30</InterfaceIP>
<MTU>1522</MTU>
<RouteDistinguisher>65001:28</RouteDistinguisher>
<OSPFAreaId>0.0.0.0</OSPFAreaId>
<OSPFVersion>Ver 2</OSPFVersion>
</ServiceEndpointConfiguration>
<ServiceTemplates>
<ServiceTemplate
href="/api/space/nsas/l3vpn/servicemanagement/servicetemplates/3866624"
uri="/api/space/nsas/l3vpn/servicemanagement/servicetemplates/3866624"
key="3866624">
<ID>3866624</ID><Name>Set Family CCC</Name>
</ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
<EnableLoopback>false</EnableLoopback>
<EnableStitchingPoint>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DeviceInfo>
<NA href="/api/space/nsas/devicerole/pedevices/688240"
uri="/api/space/nsas/devicerole/pedevices/688240" key="688240">
<DeviceName>2MX480</DeviceName>
<DeviceID>688240</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge0/1/2</InterfaceName>
<InterfaceIndex>542</InterfaceIndex>
<InterfaceStatus>up</InterfaceStatus>
<ServiceEndpointConfiguration
xsi:type="L3VPNFMOSPFEndPointConfigParameterServiceType"
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance">
<RoutingProtocol>OSPF</RoutingProtocol>

```

```

<EthernetOption>Dot1Q</EthernetOption>
<AutoPickUnitID>false</AutoPickUnitID>
<UnitID>2</UnitID>
<VlanId>2</VlanId>
<InterfaceIP>10.0.88.37/30</InterfaceIP>
<MTU>1522</MTU>
<RouteDistinguisher>65001:26</RouteDistinguisher>
<OSPFAreaId>0.0.0.0</OSPFAreaId>
<OSPFVersion>Ver 2</OSPFVersion>
</ServiceEndpointConfiguration>
<ServiceTemplates>
<ServiceTemplate
href="/api/space/nsas/l3vpn/servicemanagement/servicetemplates/3866624"
uri="/api/space/nsas/l3vpn/servicemanagement/servicetemplates/3866624"
key="3866624">
<ID>3866624</ID>
<Name>Set Family CCC</Name>
</ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
<EnableLoopback>false</EnableLoopback>
<EnableStitchingPoint>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DeviceInfo>
<NA href="/api/space/nsas/deviceroles/pedevices/688204"
uri="/api/space/nsas/deviceroles/pedevices/688204" key="688204">
<DeviceName>480MX</DeviceName>
<DeviceID>688204</DeviceID>
</NA>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge0/1/3</InterfaceName>
<InterfaceIndex>543</InterfaceIndex>
<InterfaceStatus>up</InterfaceStatus>
<ServiceEndpointConfiguration
xsi:type="L3VPNFMOSPFEndPointConfigParameterServiceType"
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance">
<RoutingProtocol>OSPF</RoutingProtocol>
<EthernetOption>Dot1Q</EthernetOption>
<AutoPickUnitID>false</AutoPickUnitID>
<UnitID>1</UnitID>

```

```

<VlanId>1</VlanId>
<InterfaceIP>10.0.88.101/30</InterfaceIP>
<MTU>1522</MTU>
<RouteDistinguisher>65001:28</RouteDistinguisher>
<OSPFAreaId>0.0.0.0</OSPFAreaId>
<OSPFVersion>Ver 2</OSPFVersion>
</ServiceEndpointConfiguration>
<ServiceTemplates>
<ServiceTemplate
href="/api/space/nsas/l3vpn/servicemanagement/servicetemplates/3866624"
uri="/api/space/nsas/l3vpn/servicemanagement/servicetemplates/3866624"
key="3866624">
<ID>3866624</ID>
<Name>Set Family CCC</Name>
</ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
<EnableLoopback>>false</EnableLoopback>
<EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceParameters xsi:type="L3VPNConfigParameterServiceType"
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance">
<RouteTarget>65001:9</RouteTarget>
<VRFTabelLabel>Enabled</VRFTabelLabel>
<ExportDirectRoutes>>false</ExportDirectRoutes>
</ServiceParameters>
<Reference>
<ServiceOrder
href="/api/space/nsas/l3vpn/servicemanagement/serviceorders/3803013"
uri="/api/space/nsas/l3vpn/servicemanagement/serviceorders/3803013"
key="3803013"/>
<ServiceDefinition>
<ServiceDefinitionID
href="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/3802984"
uri="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/3802984"
key="3802984">
<ServiceDefinitionName>SDtest123</ServiceDefinitionName>
</ServiceDefinitionID>
</ServiceDefinition>
<Customer href="/api/space/nsas/customermanagement/customers/688455"
uri="/api/space/nsas/customermanagement/customers/688455" key="688455">
<CustomerName>newCustomer</CustomerName>

```

```
</Customer>
</Reference>
</Service>
</ServiceResource>
</Data>
```

Get an L3VPN Basic Service Details

This request is used to get an L3VPN basic service details.

| | |
|--------------|---|
| URI | api/space/nsas/l3vpn/service-management/ services/basics |
| HTTP Method | GET |
| Content-Type | application/vnd.net.juniper.space.service- management. service+xml; version2; |
| Consumes | application/vnd.net.juniper.space.service-management. service+xml; version=2 |
| Produces | Gets an L3VPN basic service details. |

Input (Full-Mesh IP)

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource>
<Service href="/api/space/nsas/l3vpn/servicemanagement/services/3803200"
uri="/api/space/nsas/l3vpn/servicemanagement/services/3803200" key="3803200">
<Common>
<Name>Deploytestverify</Name>
<Identity>3803200</Identity>
```

```
<State>Deployed</State>
<CreateDate>20160627T19:46:53.000+05:30</CreateDate>
<LastUpdatedDate>20160629T12:18:02.000+05:30</LastUpdatedDate>
</Common>
<ServiceType>L3VPN</ServiceType>
<AuditFlag>
<FunctionalAudit>Pending</FunctionalAudit>
<ConfigurationAudit>Pending</ConfigurationAudit>
<FaultStatus>None</FaultStatus>
<SLAStatus>None</SLAStatus>
<OverallStatus>N/A</OverallStatus>
</AuditFlag>
<endpointcount>0</endpointcount>
<Reference>
<ServiceOrder
href="/api/space/nsas/l3vpn/servicemanagement/serviceorders/3803013"
uri="/api/space/nsas/l3vpn/servicemanagement/serviceorders/3803013"
key="3803013"/>
<ServiceDefinition>
<ServiceDefinitionID
href="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/3802984"
uri="/api/space/nsas/l3vpn/servicemanagement/servicedefinitions/3802984"
key="3802984">
<ServiceDefinitionName>SDtest123</ServiceDefinitionName>
</ServiceDefinitionID>
</ServiceDefinition>
<Customer href="/api/space/nsas/customermanagement/customers/688455"
uri="/api/space/nsas/customermanagement/customers/688455" key="688455">
<CustomerName>newCustomer</CustomerName>
</Customer>
</Reference>
</Service>
</ServiceResource>
</Data>
```

Get an IP Service Device Details

This request is used to get an IP service device details.

| | |
|-----|--|
| URI | api/space/nsas/l3vpn/service-management/ services/devices |
|-----|--|

| | |
|--------------|--|
| HTTP Method | GET |
| Content-Type | application/vnd.net.juniper.space.service-management. service+xml; version=2; |
| Consumes | application/vnd.net.juniper.space.service-management. service+xml; version=2 |
| Produces | Gets an IP service device details. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <DevicesEndpoint size="1">
    <DeviceDeviceEndPoint>
      <Device href="/api/space/nsas/deviceroles/pedevices/688397"
uri="/api/space/nsas/deviceroles/pedevices/688397" key="688397">
        <Common>
          <Name>240MX</Name>
          <Identity>688397</Identity>
        </Common>
        <Role>N_PE</Role>
        <MEId>329515</MEId>
        <IPAddress>10.220.25.103</IPAddress>
        <RouteDistinguisher>65001:27</RouteDistinguisher>
        <RouteTarget>65001:9</RouteTarget>
        <EnableStitchingPoint>>false</EnableStitchingPoint>
        <StaticRoutingProtocolDetails>
          <DestinationPrefix>10.2.2.2/32</DestinationPrefix>
          <NextHop>10.3.3.3</NextHop>
        </StaticRoutingProtocolDetails>
        <StaticRoutingProtocolDetails>
          <DestinationPrefix>10.1.1.1/32</DestinationPrefix>
          <NextHop>10.1.1.1</NextHop>
        </StaticRoutingProtocolDetails>
      </Device>
      <devConfigType>Full mesh</devConfigType>
    </DeviceDeviceEndPoint>
```

```
</DevicesEndpoint>
</Data>
```

Submit Modified IP Service

This request is used to submit a modified IP service.

| | |
|--------------|---|
| URI | api/space/nsas/l3vpn/service-management/services/update-sites |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service+xml; version3; |
| Consumes | application/vnd.net.juniper.space.service-management.service+xml; version=3 |
| Produces | Submits a modified IP service. |

Sample XML Output

```
<?xml version="1.0" encoding="UTF8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>Deploytestverify_modify_Jul012016_1507</Name>
      </Common>
      <EnableMVPN>>false</EnableMVPN>
      <ServiceEndPointGroup>
        <DonotApplyDefaultTemplatesOfSD>>true</DonotApplyDefaultTemplatesOfSD>
      </ServiceEndPointGroup>
      <DeviceInfo>
        <NA>
          <DeviceName>480R4_EN__re</DeviceName>
          <DeviceID>688176</DeviceID>
        </NA>
      </DeviceInfo>
    </ServiceOrder>
  </ServiceResource>
</Data>
```

```

</DeviceInfo>
<EnableStitchingPoint>false</EnableStitchingPoint>
<ServiceEndPoint>
<InterfaceName>ge0/1/5</InterfaceName>
<InterfaceID>1467365984886</InterfaceID>
<OppType>ADD</OppType>
<ServiceEndpointConfiguration
xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType"
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance">
<OSPFAreaId>0.0.0.0</OSPFAreaId>
<OSPFVersion>Ver 2</OSPFVersion>
<EthernetOption>Dot1Q</EthernetOption>
<AutoPickUnitID>true</AutoPickUnitID>
<AutoPickVlanID>true</AutoPickVlanID>
<InterfaceIP AutoPick="true"/>
<IPAddressPool>10.0.77.0/24</IPAddressPool>
<IPBlockSize>30</IPBlockSize>
<MTU>1522</MTU>
</ServiceEndpointConfiguration>
<ServiceTemplates>
<ServiceTemplate>
<Name>Set Family CCC</Name>
<ID>3866624</ID>
</ServiceTemplate>
</ServiceTemplates>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DoNotApplyDefaultTemplatesOfSD>true</DoNotApplyDefaultTemplatesOfSD>
<DeviceInfo>
<NA>
<DeviceName>2MX480</DeviceName>
<DeviceID>688240</DeviceID>
/NA>
</DeviceInfo>
<EnableStitchingPoint>false</EnableStitchingPoint>
<ServiceEndPoint>
<InterfaceName>ge0/1/2</InterfaceName>
<InterfaceID>542</InterfaceID>
<OppType>MODIFYENDPOINT</OppType>
<ServiceEndpointConfiguration
xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType"

```

```

xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance">
<RouteDistinguisher AutoPick="false">65001:26</RouteDistinguisher>
<OSPFAreaId>0.0.0.0</OSPFAreaId>
<OSPFVersion>Ver 2</OSPFVersion>
<UNIDescription>Interface Description Endpoint Modify</UNIDescription>
<EthernetOption>Dot1Q</EthernetOption>
<AutoPickUnitID>false</AutoPickUnitID>
<UnitID>2</UnitID>
<AutoPickVlanID>false</AutoPickVlanID>
<VlanId>2</VlanId>
<InterfaceIP AutoPick="false">10.0.88.37</InterfaceIP>
<IPBlockSize>30</IPBlockSize>
<MTU>1522</MTU>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DoNotApplyDefaultTemplatesOfSD>true</DoNotApplyDefaultTemplatesOfSD>
<DeviceInfo>
<NA>
<DeviceName>240MX</DeviceName>
<DeviceID>688397</DeviceID>
</NA>
</DeviceInfo>
<EnableStitchingPoint>false</EnableStitchingPoint>
<ServiceEndPoint>
<InterfaceName>ge0/1/3</InterfaceName>
<OppType>MODIFYTEMPLATE</OppType>
<ServiceEndpointConfiguration
xsi:type="L3VPNFMSTATICEndPointConfigParameterOrderType"
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"><RouteDistinguisher
AutoPick="false">65001:27</RouteDistinguisher>
<EthernetOption>Dot1Q</EthernetOption>
<AutoPickUnitID>false</AutoPickUnitID>
<UnitID>2</UnitID>
<AutoPickVlanID>false</AutoPickVlanID>
<InterfaceIP AutoPick="false">undefined</InterfaceIP>
</ServiceEndpointConfiguration>
<ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>

```

```

<DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
<DeviceInfo>
<NA>
<DeviceName>480MX</DeviceName>
<DeviceID>688204</DeviceID>
</NA>
</DeviceInfo>
<EnableStitchingPoint>>false</EnableStitchingPoint>
<ServiceEndPoint>
<InterfaceName>ge0/1/1</InterfaceName>
<InterfaceID>541</InterfaceID>
<OppType>DELETE</OppType>
<ServiceEndpointConfiguration
xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType"
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance">
<RouteDistinguisher AutoPick="false">65001:28</RouteDistinguisher>
<OSPFAreaId>0.0.0.0</OSPFAreaId>
<OSPFVersion>Ver 2</OSPFVersion>
<EthernetOption>Dot1Q</EthernetOption>
<AutoPickUnitID>>false</AutoPickUnitID>
<UnitID>3</UnitID>
<AutoPickVlanID>>false</AutoPickVlanID>
<VlanId>3</VlanId>
<InterfaceIP AutoPick="false">10.0.88.97</InterfaceIP>
<IPBlockSize>30</IPBlockSize>
<MTU>1522</MTU>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
<DonotApplyDefaultTemplatesOfSD>true</DonotApplyDefaultTemplatesOfSD>
<DeviceInfo>
<NA>
<DeviceName>480MX</DeviceName>
<DeviceID>688204</DeviceID>
</NA>
</DeviceInfo>
<EnableStitchingPoint>>false</EnableStitchingPoint>
<ServiceEndPoint>
<InterfaceName>ge0/0/7</InterfaceName>
<InterfaceID>537</InterfaceID>
<OppType>MODIFYBOTH</OppType>

```

```

<ServiceEndpointConfiguration
xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType"
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance">
<RouteDistinguisher AutoPick="false">65001:28</RouteDistinguisher>
<OSPFAreaId>0.0.0.0</OSPFAreaId>
<OSPFVersion>Ver 2</OSPFVersion>
<UNIDescription>Interface desc Both Modify</UNIDescription>
<EthernetOption>Dot1Q</EthernetOption>
<AutoPickUnitID>>false</AutoPickUnitID>
<UnitID>6</UnitID>
<AutoPickVlanID>>false</AutoPickVlanID>
<VlanId>6</VlanId>
<InterfaceIP AutoPick="false">10.0.77.49</InterfaceIP>
<IPBlockSize>30</IPBlockSize>
<MTU>1522</MTU>
</ServiceEndpointConfiguration>
<ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
<DeletedDeviceInfo>
<DeviceInfo>
<NA>
<DeviceName>960MX</DeviceName>
<DeviceID>688293</DeviceID>
</NA>
</DeviceInfo>
</DeletedDeviceInfo>
<DevicesStaticRoutingProtocol>
<DeviceStaticRoutes>
<DeviceInfo>
<NA>
<DeviceName>240MX</DeviceName>
<DeviceID>688397</DeviceID>
</NA>
</DeviceInfo>
<StaticRoutingProtocolDetail>
<DestinationPrefix>2.2.2.2/32</DestinationPrefix>
<NextHop>3.3.3.3</NextHop>
</StaticRoutingProtocolDetail>
<StaticRoutingProtocolDetail>
<DestinationPrefix>1.1.1.1/32</DestinationPrefix>
<NextHop>1.1.1.1</NextHop>

```

```
</StaticRoutingProtocolDetail>
</DeviceStaticRoutes>
</DevicesStaticRoutingProtocol>
</ServiceOrder>
</ServiceResource>
<CustomAction xsi:type="ServiceCustomActionType"
xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance">
<Action>SaveAndValidate</Action>
/CustomAction>
</Data>
```

Get an IP Service to Create an LSP

This request is used to retrieve an IP service for creating an LSP.

| | |
|--------------|--|
| URL | /api/space/nsas/l3vpn/service-management/services/paging/<orderID> |
| HTTP Method | GET |
| Sample URL | https://192.0.2.10:8443/api/space/nsas/l3vpn/service-management/services/paging/131072 |
| Accept | application/vnd.net.juniper.space.service-management.service+xml;version=2 |
| Content Type | application/vnd.net.juniper.space.service-management.service+xml;version="2" |

Request

Not Applicable

Response

```
"<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service key="131072"
uri="/api/space/nsas/l3vpn/service-management/services/131072"
href="/api/space/nsas/l3vpn/service-management/services/131072">
      <Common>
        <Name>L3VPN_CreateLSP</Name>
        <Identity>131072</Identity>
        <State>Deployed</State>
```

```

        <CreateDate>2018-06-20T21:19:54.000+05:30</CreateDate>
        <LastUpdatedDate>2018-06-20T21:19:54.000+05:30</LastUpdatedDate>
        <InstanceType>vrf</InstanceType>
    </Common>
    <ServiceType>L3VPN</ServiceType>
    <EnableMVPN>false</EnableMVPN>
    <LSPPattern
href=""/api/space/nsas/lsp-pattern/service-management/service-patterns/1""
uri=""/api/space/nsas/lsp-pattern/service-management/service-patterns/1"" key=""1"">

        <PatternName>Default LSP Pattern</PatternName>
        <PatternID>1</PatternID>
    </LSPPattern>
    <LspServiceDefinition>
        <ServiceDefinitionID
uri=""/api/space/nsas/rsvp-lsp/service-management/service-definitions/8""
href=""/api/space/nsas/rsvp-lsp/service-management/service-definitions/8"" key=""8"">

            <ServiceDefinitionName>FullMesh LSP with Node Link
Protection</ServiceDefinitionName>
            </ServiceDefinitionID>
        </LspServiceDefinition>
        <LspId>131072</LspId>
        <AuditFlag>
            <FunctionalAudit>Pending</FunctionalAudit>
            <ConfigurationAudit>Pending</ConfigurationAudit>
            <FaultStatus>None</FaultStatus>
            <SLAStatus>None</SLAStatus>
            <OverallStatus>N/A</OverallStatus>
        </AuditFlag>
        <endpointcount>2</endpointcount>
        <ServiceEndPointGroup>
            <DeviceInfo>
                <NA key=""2"" uri=""/api/space/nsas/device-roles/pe-devices/2""
href=""/api/space/nsas/device-roles/pe-devices/2"">
                    <DeviceName>SG2re</DeviceName>
                    <DeviceID>2</DeviceID>
                </NA>
            </DeviceInfo>
            <ServiceEndPoint>
                <InterfaceName>ge-0/0/5</InterfaceName>
                <InterfaceId>26</InterfaceId>
                <InterfaceStatus>up</InterfaceStatus>
                <ServiceEndpointConfiguration

```

```

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterServiceType">
    <RoutingProtocol>OSPF</RoutingProtocol>
    <EthernetOption>Dot1Q</EthernetOption>
    <AutoPickUnitID>>false</AutoPickUnitID>
    <UnitID>3</UnitID>
    <VlanId>3</VlanId>
    <InterfaceIP>10.0.77.13/30</InterfaceIP>
    <MTU>0</MTU>
    <RouteDistinguisher>100:10</RouteDistinguisher>
    <OSPFAreaId>0.0.0.0</OSPFAreaId>
    <OSPFVersion>Ver 2</OSPFVersion>
</ServiceEndpointConfiguration>
<ServiceTemplates />
    <ServiceEndpointID>163844</ServiceEndpointID>
</ServiceEndPoint>
<EnableLoopback>>false</EnableLoopback>
<EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA key="1" uri="/api/space/nsas/device-roles/pe-devices/1"
href="/api/space/nsas/device-roles/pe-devices/1">
            <DeviceName>SG3re</DeviceName>
            <DeviceID>1</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/0/6</InterfaceName>
        <InterfaceId>4</InterfaceId>
        <InterfaceStatus>up</InterfaceStatus>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterServiceType">
            <RoutingProtocol>OSPF</RoutingProtocol>
            <EthernetOption>Dot1Q</EthernetOption>
            <AutoPickUnitID>>false</AutoPickUnitID>
            <UnitID>2</UnitID>
            <VlanId>2</VlanId>
            <InterfaceIP>10.0.88.5/30</InterfaceIP>
            <MTU>0</MTU>
            <RouteDistinguisher>100:11</RouteDistinguisher>
            <OSPFAreaId>0.0.0.0</OSPFAreaId>
            <OSPFVersion>Ver 2</OSPFVersion>

```

```

        </ServiceEndpointConfiguration>
        <ServiceTemplates />
        <ServiceEndpointID>163845</ServiceEndpointID>
    </ServiceEndPoint>
    <EnableLoopback>>false</EnableLoopback>
    <EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
    <ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNConfigParameterServiceType">
        <RouteTarget>100:8</RouteTarget>
        <VRFTabelLabel>Enabled</VRFTabelLabel>
        <IsBGPEpPresent>>false</IsBGPEpPresent>
        <ExportDirectRoutes>>true</ExportDirectRoutes>
        <AutoExportRoutes>>true</AutoExportRoutes>
        <PolicyBasedRT>>true</PolicyBasedRT>
    </ServiceParameters>
    <Reference>
        <ServiceOrder
uri=""/api/space/nsas/l3vpn/service-management/service-orders/163840""
href=""/api/space/nsas/l3vpn/service-management/service-orders/163840"" key=""163840""
/>
        <ServiceDefinition>
            <ServiceDefinitionID
uri=""/api/space/nsas/l3vpn/service-management/service-definitions/65537""
href=""/api/space/nsas/l3vpn/service-management/service-definitions/65537""
key=""65537"">
                <ServiceDefinitionName>L3VPN-OSPF-Static</ServiceDefinitionName>
            </ServiceDefinitionID>
        </ServiceDefinition>
        <Customer uri=""/api/space/nsas/customer-management/customers/1""
href=""/api/space/nsas/customer-management/customers/1"" key=""1"">
            <CustomerName>Juniper</CustomerName>
        </Customer>
    </Reference>
</Service>
</ServiceResource>
</Data> "
"

```

Get an IP Service to Associate an LSP

This request is used to retrieve an IP service for associating an LSP.

| | |
|-----|--|
| URL | /api/space/nsas/l3vpn/service-management/services/paging/<orderID> |
|-----|--|

| | |
|--------------|--|
| HTTP Method | GET |
| Sample URL | https://192.0.2.10:8443/api/space/nsas/l3vpn/service-management/services/paging/131072 |
| Accept | application/vnd.net.juniper.space.service-management.service+xml;version=2 |
| Content Type | application/vnd.net.juniper.space.service-management.service+xml;version="2" |

Request

Not Applicable

Response

```

"<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service key="131073"
uri="/api/space/nsas/l3vpn/service-management/services/131073"
href="/api/space/nsas/l3vpn/service-management/services/131073">
      <Common>
        <Name>IP_AssociateLSP</Name>
        <Identity>131073</Identity>
        <State>Deployed</State>
        <CreateDate>2018-06-20T21:50:05.000+05:30</CreateDate>
        <LastUpdatedDate>2018-06-20T21:50:05.000+05:30</LastUpdatedDate>
        <InstanceType>vrf</InstanceType>
      </Common>
      <ServiceType>L3VPN</ServiceType>
      <EnableMVPN>false</EnableMVPN>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <ConfigurationAudit>Pending</ConfigurationAudit>
        <FaultStatus>None</FaultStatus>
        <SLAStatus>None</SLAStatus>
        <OverallStatus>N/A</OverallStatus>
      </AuditFlag>
      <endpointcount>2</endpointcount>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="2" uri="/api/space/nsas/device-roles/pe-devices/2"
href="/api/space/nsas/device-roles/pe-devices/2">
            <DeviceName>SG2re</DeviceName>
            <DeviceID>2</DeviceID>
          </NA>

```

```

        </DeviceInfo>
        <ServiceEndPoint>
            <InterfaceName>ge-0/0/5</InterfaceName>
            <InterfaceId>26</InterfaceId>
            <InterfaceStatus>up</InterfaceStatus>
            <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterServiceType">
                <RoutingProtocol>OSPF</RoutingProtocol>
                <EthernetOption>Dot1Q</EthernetOption>
                <AutoPickUnitID>>false</AutoPickUnitID>
                <UnitID>4</UnitID>
                <VlanId>4</VlanId>
                <InterfaceIP>10.0.77.17/30</InterfaceIP>
                <MTU>0</MTU>
                <LSPRegex>$Name_to_$EgressAddress</LSPRegex>
                <RouteDistinguisher>100:12</RouteDistinguisher>
                <OSPFAreaId>0.0.0.0</OSPFAreaId>
                <OSPFVersion>Ver 2</OSPFVersion>
            </ServiceEndpointConfiguration>
            <ServiceTemplates />
            <ServiceEndpointID>163850</ServiceEndpointID>
        </ServiceEndPoint>
        <EnableLoopback>>false</EnableLoopback>
        <EnableStitchingPoint>>false</EnableStitchingPoint>
    </ServiceEndPointGroup>
    <ServiceEndPointGroup>
        <DeviceInfo>
            <NA key="1" uri="" /api/space/nsas/device-roles/pe-devices/1"
href="" /api/space/nsas/device-roles/pe-devices/1">
                <DeviceName>SG3re</DeviceName>
                <DeviceID>1</DeviceID>
            </NA>
        </DeviceInfo>
        <ServiceEndPoint>
            <InterfaceName>ge-0/0/6</InterfaceName>
            <InterfaceId>4</InterfaceId>
            <InterfaceStatus>up</InterfaceStatus>
            <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterServiceType">
                <RoutingProtocol>OSPF</RoutingProtocol>
                <EthernetOption>Dot1Q</EthernetOption>
                <AutoPickUnitID>>false</AutoPickUnitID>

```

```

        <UnitID>3</UnitID>
        <VlanId>3</VlanId>
        <InterfaceIP>10.0.77.21/30</InterfaceIP>
        <MTU>0</MTU>
        <LSPRegex>$Name_to_$EgressAddress</LSPRegex>
        <RouteDistinguisher>100:13</RouteDistinguisher>
        <OSPFAreaId>0.0.0.0</OSPFAreaId>
        <OSPFVersion>Ver 2</OSPFVersion>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
    <ServiceEndpointID>163851</ServiceEndpointID>
</ServiceEndPoint>
<EnableLoopback>>false</EnableLoopback>
<EnableStitchingPoint>>false</EnableStitchingPoint>
</ServiceEndPointGroup>
    <ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNConfigParameterServiceType">
        <RouteTarget>100:9</RouteTarget>
        <VRFTabelLabel>Enabled</VRFTabelLabel>
        <IsBGPEpPresent>>false</IsBGPEpPresent>
        <ExportDirectRoutes>>true</ExportDirectRoutes>
        <AutoExportRoutes>>true</AutoExportRoutes>
        <PolicyBasedRT>>true</PolicyBasedRT>
    </ServiceParameters>
    <Reference>
        <ServiceOrder
uri="/api/space/nsas/l3vpn/service-management/service-orders/163841"
href="/api/space/nsas/l3vpn/service-management/service-orders/163841" key="163841"
/>

        <ServiceDefinition>
            <ServiceDefinitionID
uri="/api/space/nsas/l3vpn/service-management/service-definitions/65537"
href="/api/space/nsas/l3vpn/service-management/service-definitions/65537"
key="65537">
                <ServiceDefinitionName>L3VPN-OSPF-Static</ServiceDefinitionName>
            </ServiceDefinitionID>
        </ServiceDefinition>
        <Customer uri="/api/space/nsas/customer-management/customers/1"
href="/api/space/nsas/customer-management/customers/1" key="1">
            <CustomerName>Juniper</CustomerName>
        </Customer>
    </Reference>
</Service>
</ServiceResource>

```

```
</Data>"
"
```

Application Name Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director Application Names Management RESTful Web Services for retrieving E-Line, IP, and E-LAN services. When you specify only the Service ID (for any given service type), this API returns the top-level service details, including the service type for the service (except the serviceEndPointGroup details).

Get E-Line Services By Application Name

This request is used to retrieve all the configured E-Line services, based on the application name.

| | |
|-------------|---|
| URI | api/space/nsas/service-management/services/327958?appName=space_ServiceProvisioning |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml |
| Produces | Collects all the E-Line services based on the application name. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service
      href="/api/space/nsas/eline-ntp/service-management/services/327958"
      uri="/api/space/nsas/eline-ntp/service-management/services/327958"
      key="327958">
      <Common>
        <Name>P-2-P-01</Name>
        <Identity>327958</Identity>
```

```
<State>Deployed</State>
<Comments>test</Comments>
<CreatedDate>2013-10-26T02:20:40.000+05:30</CreatedDate>
<LastUpdatedDate>2013-10-26T02:20:40.000+05:30</LastUpdatedDate>
</Common>
<ServiceType>eline-ntp</ServiceType>
<AuditFlag>
  <FunctionalAudit>Pending</FunctionalAudit>
  <FaultStatus>None</FaultStatus>
</AuditFlag>
<Reference>
  <ServiceOrder key="327951"
    href="/api/space/nsas/eline-ntp/service-management/service-orders/327951"
    uri="/api/space/nsas/eline-ntp/service-management/service-orders/327951"
  />
  <ServiceDefinition>
    <ServiceDefinitionID key="327680"
      href="/api/space/nsas/eline-ntp/service-management/service-definitions/327680"
      uri="/api/space/nsas/eline-ntp/service-management/service-definitions/327680"
    />
  </ServiceDefinition>
  <Customer key="458752"
    href="/api/space/nsas/customer-management/customers/458752"
    uri="/api/space/nsas/customer-management/customers/458752" />
  </Reference>
</Service>
</ServiceResource>
</Data>
```

Get IP Services By Application Name

This request is used to retrieve all the configured IP services, based on the application name.

| | |
|-----|---|
| URI | api/space/nsas/service-management/services/327958?appName=space_ServiceProvisioning |
|-----|---|

| | |
|-------------|---|
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml |
| Produces | Collects all the IP services based on the application name. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service href="/api/space/nsas/l3vpn/service-management/services/1048604"
      uri="/api/space/nsas/l3vpn/service-management/services/1048604"
      key="1048604">
      <Common>
        <Name>testCA</Name>
        <Identity>1048604</Identity>
        <State>Deployed</State>
        <Comments>sdfsdfsdf</Comments>
        <CreatedDate>2013-10-26T06:25:29.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-10-26T06:25:29.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>l3vpn</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
      </AuditFlag>
      <Reference>
        <ServiceOrder key="1048591"
          href="/api/space/nsas/l3vpn/service-management/service-orders/1048591"
          uri="/api/space/nsas/l3vpn/service-management/service-orders/1048591"
        />
      <ServiceDefinition>
        <ServiceDefinitionID key="360448"
          href="/api/space/nsas/l3vpn/service-management/service-definitions/360448"
          uri="/api/space/nsas/l3vpn/service-management/service-definitions/360448"
        />
      </ServiceDefinition>
      <Customer key="458752">
```

```
        href="/api/space/nsas/customer-management/customers/458752"
uri="/api/space/nsas/customer-management/customers/458752" />
    </Reference>
  </Service>
</ServiceResource>
</Data>
```

Get E-LAN Services By Application Name

This request is used to retrieve all the configured E-LAN services, based on the application name.

| | |
|-------------|---|
| URI | api/space/nsas/service-management/services/327958?appName=space_ServiceProvisioning |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml |
| Produces | Collects all the E-LAN services based on the application name. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service
      href="/api/space/nsas/elan-vpls/service-management/services/295108"
      uri="/api/space/nsas/elan-vpls/service-management/services/295108"
      key="295108">
      <Common>
        <Name>VPLS-01</Name>
        <Identity>295108</Identity>
        <State>Deployed</State>
        <Comments>test</Comments>
```

```

    <CreateDate>2013-10-26T02:22:19.000+05:30</CreateDate>
    <LastUpdatedDate>2013-10-26T02:22:19.000+05:30</LastUpdatedDate>
  </Common>
  <ServiceType>elan-vpls</ServiceType>
  <AuditFlag>
    <FunctionalAudit>Pending</FunctionalAudit>
    <FaultStatus>None</FaultStatus>
  </AuditFlag>
  <Reference>
    <ServiceOrder key="295097"
      href="/api/space/nsas/elan-vpls/service-management/service-orders/295097"

      uri="/api/space/nsas/elan-vpls/service-management/service-orders/295097"
    />
    <ServiceDefinition>
      <ServiceDefinitionID key="294912"

      href="/api/space/nsas/elan-vpls/service-management/service-definitions/294912"

      uri="/api/space/nsas/elan-vpls/service-management/service-definitions/294912"
    />
    </ServiceDefinition>
    <Customer key="458752"
      href="/api/space/nsas/customer-management/customers/458752"
      uri="/api/space/nsas/customer-management/customers/458752" />
    </Reference>
  </Service>
</ServiceResource>
</Data>
```

Get RSVP LSP Services By Application Name

This request is used to retrieve all the configured RSVP LSP services, based on the application name.

| | |
|-------------|--|
| URI | api/space/nsas/service-management/services/98325?appName=space_TransportActivate |
| HTTP Method | GET |

| | |
|----------|---|
| Consumes | application/vnd.net.juniper.space.service-management.services+xml |
| Produces | Collects all the RSVP LSP services based on the application name. |

Output

Sample XML Output

```

Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service href="/api/space/nsas/rsvp-lsp/service-management/service/98325"
      uri="/api/space/nsas/rsvp-lsp/service-management/service/98325" key="98325">

      <Common>
        <Name>LSP-01</Name>
        <Identity>98325</Identity>
        <State>Deployed</State>
        <CreatedDate>2013-10-31T22:16:59.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-10-31T22:16:59.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>rsvp-lsp</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
      </AuditFlag>
      <Reference>
        <ServiceOrder key="98321"
          href="/api/space/nsas/rsvp-lsp/service-management/service-orders/98321"
          uri="/api/space/nsas/rsvp-lsp/service-management/service-orders/98321"
        />
        <ServiceDefinition>
          <ServiceDefinitionID key="98304"
            href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/98304"
            uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/98304"
          />
        </ServiceDefinition>
      </Reference>
    </Service>
  </ServiceResource>

```

```
</Service>
</ServiceResource>
</Data>
```

Get OAM CFM Services By Application Name

This request is used to retrieve all the configured OAM CFM services, based on the application name.

| | |
|-------------|--|
| URI | api/space/nsas/service-management/services/98325?appName=space_OAM |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management-services+xml |
| Produces | Collects all the OAM CFM services based on the application name. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service
      href="/api/space/nsas/cfm-profiles /service-management/services /564378"

      key="564378"
      uri="/api/space/nsas/ cfm-profiles /service-management/services /564378">

      <Common>
        <Name>token</Name>
        <Identity>564378</Identity>
        <State>token</State>
        <Comments>token</Comments>
```

```

    <CreateDate>2001-12-31T12:00:00</CreateDate>
    <LastUpdatedDate>2001-12-31T12:00:00</LastUpdatedDate>
    <CreatedBy>CreatedBy</CreatedBy>
  </Common>
  <ServiceType>ServiceType</ServiceType>
  <Action>Action</Action>
    <Reference>
      <ServiceOrder
        href="/api/space/nsas/cfm-profiles/service-management/service-orders/164799"
        key="164799"
        uri="/api/space/nsas/cfm-profiles/service-management/service-orders/164799"
      />
      <ServiceDefinition>
        <ServiceDefinitionID
          href="/api/space/nsas/cfm-profiles/service-management/service-definitions/169899"
          key="169899"
          uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/169899"
        />
      </ServiceDefinition>
    </Reference>
  </Service>
</ServiceResource>

</Data>

```

Get E-Line Service Orders By Signaling Type

This request is used to retrieve all the configured E-Line service orders based on the signaling type.

| | |
|-------------|--|
| URI | /api/space/nsas/eline-ptp/service-management/service-orders?signalType=LDP |
| HTTP Method | GET |

| | |
|----------|---|
| Consumes | application/vnd.net.juniper.space.service-management.service-orders+xml |
| Produces | Collects all the E-Line service orders based on the signaling type. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/eline-ptp/service-management/service-orders/2031848"

      uri="/api/space/nsas/eline-ptp/service-management/service-orders/2031848"

      key="2031848">
      <Common>
        <Name>sfdfhgh</Name>
        <Identity>2031848</Identity>
        <State>Invalid</State>
        <Comments>sdgrdgf</Comments>
        <CreatedDate>2013-06-03T12:34:40.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-06-03T12:34:39.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>Point-to-Point Pseudowire</ServiceType>
      <Signaling>LDP</Signaling>
      <Action>Provisioning</Action>
      <Reference>
        <Customer key="589863"
          href="/api/space/nsas/customer-management/customers/589863"
          uri="/api/space/nsas/customer-management/customers/589863" />
        <ServiceDefinition>
          <ServiceDefinitionID key="327680"

          href="/api/space/nsas/eline-ptp/service-management/service-definitions/327680"

          uri="/api/space/nsas/eline-ptp/service-management/service-definitions/327680"
```

```

/>
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
<ServiceOrder
  href="/api/space/nsas/eline-ptp/service-management/service-orders/2031616"

  uri="/api/space/nsas/eline-ptp/service-management/service-orders/2031616"

  key="2031616">
    <Common>
      <Name>Test-P-2-P</Name>
      <Identity>2031616</Identity>
      <State>Invalid</State>
      <Comments>vhgfguyg</Comments>
      <CreatedDate>2013-06-03T12:25:05.000+05:30</CreatedDate>
      <LastUpdatedDate>2013-06-03T12:25:04.000+05:30</LastUpdatedDate>
      <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>Point-to-Point Pseudowire</ServiceType>
    <Signaling>LDP</Signaling>
    <Action>Provisioning</Action>
    <Reference>
      <Customer key="589863"
        href="/api/space/nsas/customer-management/customers/589863"
        uri="/api/space/nsas/customer-management/customers/589863" />
      <ServiceDefinition>
        <ServiceDefinitionID key="327680"

        href="/api/space/nsas/eline-ptp/service-management/service-definitions/327680"

        uri="/api/space/nsas/eline-ptp/service-management/service-definitions/327680"
      />
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Get E-LAN Service Orders By Signaling Type

This request is used to retrieve all the configured E-LAN service orders based on the signaling type.

| | |
|-------------|---|
| URI | api/space/nsas/elan-vpls/service-management/service-orders ?signalType=BGP |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-orders+xml |
| Produces | Collects all the E-LAN service orders based on the signaling type. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/elan-vpls/service-management/service-orders/2129957"

      uri="/api/space/nsas/elan-vpls/service-management/service-orders/2129957"

      key="2129957">
        <Common>
          <Name>fdbvngfh-VPLS-BGP</Name>
          <Identity>2129957</Identity>
          <State>Invalid</State>
          <Comments>ljkl</Comments>
          <CreatedDate>2013-06-03T12:40:38.000+05:30</CreatedDate>
          <LastUpdatedDate>2013-06-03T12:40:37.000+05:30</LastUpdatedDate>
          <CreatedBy>super</CreatedBy>
        </Common>
        <ServiceType>VPLS</ServiceType>
        <Signaling>BGP</Signaling>
        <Action>Provisioning</Action>
        <Reference>
          <Customer key="589863"
```

```
        href="/api/space/nsas/customer-management/customers/589863"
uri="/api/space/nsas/customer-management/customers/589863" />
    <ServiceDefinition>
        <ServiceDefinitionID key="294912"

href="/api/space/nsas/elan-vpls/service-management/service-definitions/294912"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/294912"
    />
        </ServiceDefinition>
    </Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Get E-Line Service Definitions By Signaling Type

This request is used to retrieve all the configured E-Line service definitions based on the signaling type.

| | |
|-------------|---|
| URI | /api/space/nsas/eline-ptp/service-management/service-definitions?signalType=LDP |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-definitions+xml |
| Produces | Collects all the E-Line service definitions based on the signaling type. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
```

```

<ServiceResource size="5">
  <ServiceDefinition

href="/api/space/nsas/eline-ptp/service-management/service-definitions/393216"

uri="/api/space/nsas/eline-ptp/service-management/service-definitions/393216"

  key="393216">
    <Common>
      <Name>ELine-BGP-QinQ-AllVLAN</Name>
      <Identity>393216</Identity>
      <State>Published</State>
      <Comments>Used to deliver a point-to-point service between two
        remote sites, with high BW requirements.
      </Comments>
      <CreatedDate>2013-10-26T01:34:33.000+05:30</CreatedDate>
      <LastUpdatedDate>2013-10-26T01:34:33.000+05:30</LastUpdatedDate>
      <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>Point-to-Point Pseudowire(BGP)</ServiceType>
    <InterfaceType>Ethernet</InterfaceType>
    <EnableL3Access>false</EnableL3Access>
    <PWResiliency>false</PWResiliency>
    <ServiceElementConfigurationDefinition
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterDefType">
      <MTU default="1522" editable="true" min="1522" max="9192" />
      <RD selection="Auto pick" editable="true" />
      <RT selection="Auto pick" editable="true" />
    </ServiceElementConfigurationDefinition>
    <ServiceEndPointConfigurationDefinition
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType">
      <EthernetOption>qinq</EthernetOption>
      <VlanIdSelection selection="Select manually"
        editable="true" />
      <TrafficType>Transport all traffic</TrafficType>
      <VlanIdAuto default="0" min="0" max="0" />
      <VlanIdManual default="0" min="0" max="0" />
      <PhysicalEncapsulation>flexible-ethernet-services
    </PhysicalEncapsulation>

```

```

    <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
    <MTU default="1522" editable="true" min="1522" max="9192" />
    <EnableRateLimiting>Enabled</EnableRateLimiting>
    <DefaultBandwidth default="1" editable="true" min="1"
      max="100" unit="Mbps">10</DefaultBandwidth>
    <MinBandwidth min="64" max="100000" unit="Kbps">10000
    </MinBandwidth>
    <MaxBandwidth min="1" max="100000" unit="Mbps">100
    </MaxBandwidth>
    <Increment default="64" min="64" max="100000" unit="Kbps">10000
    </Increment>
  </ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
<ServiceDefinition

href="/api/space/nsas/eline-ptp/service-management/service-definitions/393233"

uri="/api/space/nsas/eline-ptp/service-management/service-definitions/393233"

  key="393233">
    <Common>
      <Name>ELine-BGP-Dot1q-SingleVLAN</Name>
      <Identity>393233</Identity>
      <State>Published</State>
      <Comments>Used to transport a single VLAN in a point-to-point
        service between two remote sites.
      </Comments>
      <CreatedDate>2013-10-26T01:34:33.000+05:30</CreatedDate>
      <LastUpdatedDate>2013-10-26T01:34:33.000+05:30</LastUpdatedDate>
      <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>Point-to-Point Pseudowire(BGP)</ServiceType>
    <InterfaceType>Ethernet</InterfaceType>
    <EnableL3Access>false</EnableL3Access>
    <PWResiliency>false</PWResiliency>
    <ServiceElementConfigurationDefinition
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterDefType">
      <MTU default="1522" editable="true" min="1522" max="9192" />
      <RD selection="Auto pick" editable="true" />
      <RT selection="Auto pick" editable="true" />

```

```

</ServiceElementConfigurationDefinition>
<ServiceEndPointConfigurationDefinition
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType">
  <EthernetOption>dot1q</EthernetOption>
  <VlanIdSelection selection="Select manually"
    editable="true" />
  <TrafficType>Transport single vlan</TrafficType>
  <VlanIdAuto default="0" min="0" max="0" />
  <VlanIdManual default="0" min="0" max="0" />
  <PhysicalEncapsulation>flexible-ethernet-services
</PhysicalEncapsulation>
  <LogicalEncapsulation>vlan-ccc</LogicalEncapsulation>
  <MTU default="1522" editable="true" min="1522" max="9192" />
  <EnableRateLimiting>Enabled</EnableRateLimiting>
  <DefaultBandwidth default="1" editable="true" min="1"
    max="100" unit="Mbps">10</DefaultBandwidth>
  <MinBandwidth min="64" max="100000" unit="Kbps">10000
</MinBandwidth>
  <MaxBandwidth min="1" max="100000" unit="Mbps">100
</MaxBandwidth>
  <Increment default="64" min="64" max="100000" unit="Kbps">10000
</Increment>
</ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
<ServiceDefinition

href="/api/space/nsas/eline-ptp/service-management/service-definitions/393249"

uri="/api/space/nsas/eline-ptp/service-management/service-definitions/393249"

key="393249">
<Common>
  <Name>ELine-BGP-PortBased</Name>
  <Identity>393249</Identity>
  <State>Published</State>
  <Comments>Used to deliver a point-to-point service between two
    remote sites, using dedicated ports.
  </Comments>
  <CreatedDate>2013-10-26T01:34:33.000+05:30</CreatedDate>
  <LastUpdatedDate>2013-10-26T01:34:33.000+05:30</LastUpdatedDate>

```

```

    <CreatedBy>super</CreatedBy>
  </Common>
  <ServiceType>Point-to-Point Pseudowire(BGP)</ServiceType>
  <InterfaceType>Ethernet</InterfaceType>
  <EnableL3Access>false</EnableL3Access>
  <PWResiliency>false</PWResiliency>
  <ServiceElementConfigurationDefinition
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="PTPServiceEndpointGroupParameterDefType">
    <MTU default="1522" editable="true" min="1522" max="9192" />
    <RD selection="Auto pick" editable="true" />
    <RT selection="Auto pick" editable="true" />
  </ServiceElementConfigurationDefinition>
  <ServiceEndPointConfigurationDefinition
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="PTPEndPointParameterDefType">
    <EthernetOption>port-port</EthernetOption>
    <VlanIdSelection editable="false" />
    <TrafficType>N/A</TrafficType>
    <VlanIdAuto default="0" min="0" max="0" />
    <VlanIdManual default="0" min="0" max="0" />
    <PhysicalEncapsulation>ethernet-ccc</PhysicalEncapsulation>
    <LogicalEncapsulation />
    <MTU default="1522" editable="true" min="1522" max="9192" />
    <EnableRateLimiting>Enabled</EnableRateLimiting>
    <DefaultBandwidth default="1" editable="true" min="1"
      max="100" unit="Mbps">10</DefaultBandwidth>
    <MinBandwidth min="64" max="100000" unit="Kbps">10000
    </MinBandwidth>
    <MaxBandwidth min="1" max="100000" unit="Mbps">100
    </MaxBandwidth>
    <Increment default="64" min="64" max="100000" unit="Kbps">10000
    </Increment>
  </ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
<ServiceDefinition

href="/api/space/nsas/eline-ptp/service-management/service-definitions/393265"

uri="/api/space/nsas/eline-ptp/service-management/service-definitions/393265"

```

```

key="393265">
<Common>
  <Name>P2P-02</Name>
  <Identity>393265</Identity>
  <State>Published</State>
  <Comments>test</Comments>
  <CreatedDate>2013-10-26T01:49:30.000+05:30</CreatedDate>
  <LastUpdatedDate>2013-10-26T01:49:30.000+05:30</LastUpdatedDate>
  <CreatedBy>super</CreatedBy>
</Common>
<ServiceType>Point-to-Point Pseudowire(BGP)</ServiceType>
<InterfaceType>Ethernet</InterfaceType>
<EnableL3Access>false</EnableL3Access>
<PWResiliency>false</PWResiliency>
<ServiceElementConfigurationDefinition
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterDefType">
  <MTU default="1522" editable="false" min="1522" max="9192" />
  <RD selection="Auto pick" editable="false" />
  <RT selection="Auto pick" editable="false" />
</ServiceElementConfigurationDefinition>
<ServiceEndPointConfigurationDefinition
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType">
  <EthernetOption>port-port</EthernetOption>
  <VlanIdSelection editable="false" />
  <TrafficType>N/A</TrafficType>
  <VlanIdAuto default="0" min="0" max="0" />
  <VlanIdManual default="0" min="0" max="0" />
  <PhysicalEncapsulation>ethernet-ccc</PhysicalEncapsulation>
  <LogicalEncapsulation />
  <MTU default="1522" editable="false" min="1522" max="9192" />
  <EnableRateLimiting>Not enabled</EnableRateLimiting>
  <DefaultBandwidth default="1" editable="false" min="1"
    max="100" unit="Mbps">N/A</DefaultBandwidth>
  <MinBandwidth min="64" max="100000" unit="Kbps">0
  </MinBandwidth>
  <MaxBandwidth min="1" max="100000" unit="Mbps">0
  </MaxBandwidth>
  <Increment default="64" min="64" max="100000" unit="Kbps">0
  </Increment>
</ServiceEndPointConfigurationDefinition>

```

```

</ServiceDefinition>
<ServiceDefinition

href="/api/space/nsas/eline-ntp/service-management/service-definitions/2293760"

uri="/api/space/nsas/eline-ntp/service-management/service-definitions/2293760"

key="2293760">
<Common>
  <Name>P-2-P-BGP</Name>
  <Identity>2293760</Identity>
  <State>Published</State>
  <Comments>test</Comments>
  <CreateDate>2013-10-27T23:48:19.000+05:30</CreateDate>
  <LastUpdatedDate>2013-10-27T23:48:19.000+05:30</LastUpdatedDate>
  <CreatedBy>super</CreatedBy>
</Common>
<ServiceType>Point-to-Point Pseudowire(BGP)</ServiceType>
<InterfaceType>Ethernet</InterfaceType>
<EnableL3Access>false</EnableL3Access>
<PWResiliency>false</PWResiliency>
<ServiceElementConfigurationDefinition
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterDefType">
  <MTU default="1522" editable="false" min="1522" max="9192" />
  <RD selection="Auto pick" editable="false" />
  <RT selection="Auto pick" editable="false" />
</ServiceElementConfigurationDefinition>
<ServiceEndPointConfigurationDefinition
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType">
  <EthernetOption>port-port</EthernetOption>
  <VlanIdSelection editable="false" />
  <TrafficType>N/A</TrafficType>
  <VlanIdAuto default="0" min="0" max="0" />
  <VlanIdManual default="0" min="0" max="0" />
  <PhysicalEncapsulation>ethernet-ccc</PhysicalEncapsulation>
  <LogicalEncapsulation />
  <MTU default="1522" editable="false" min="1522" max="9192" />
  <EnableRateLimiting>Not enabled</EnableRateLimiting>
  <DefaultBandwidth default="1" editable="false" min="1"

```

```
max="100" unit="Mbps">N/A</DefaultBandwidth>
<MinBandwidth min="64" max="100000" unit="Kbps">0
</MinBandwidth>
<MaxBandwidth min="1" max="100000" unit="Mbps">0
</MaxBandwidth>
<Increment default="64" min="64" max="100000" unit="Kbps">0
</Increment>
</ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>
```

Get E-LAN Service Definitions By Signaling Type

This request is used to retrieve all the configured E-LAN service definitions based on the signaling type.

| | |
|-------------|--|
| URI | api/space/nsas/elan-vpls/service-management/service-definitions ?signalType=BGP |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-definitions+xml |
| Produces | Collects all the E-LAN service definitions based on the signaling type. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="9">
    <ServiceDefinition

href="/api/space/nsas/elan-vpls/service-management/service-definitions/294912"
```

```
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/294912"
```

```
key="294912">
<Common>
  <Name>ELAN-BGP-QinQ-AllVLAN</Name>
  <Identity>294912</Identity>
  <State>Published</State>
  <Comments>Used for multisite LAN connectivity with high BW
    requirements.
  </Comments>
  <CreatedDate>2013-10-26T01:34:15.000+05:30</CreatedDate>
  <LastUpdatedDate>2013-10-26T01:34:15.000+05:30</LastUpdatedDate>
  <CreatedBy>super</CreatedBy>
</Common>
<ServiceType>VPLS(BGP)</ServiceType>
<InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
<EnableL3Access>>false</EnableL3Access>
<ServiceElementConfigurationDefinition
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSServiceEndpointGroupParameterDefType">
  <RouteTarget selection="Auto Pick" editable="true" />
  <RouteDistinguisher selection="Auto pick" />
  <MACLearning editable="true">Enabled</MACLearning>
  <MACInterfaceLimit editable="true">1024
  </MACInterfaceLimit>
  <MACStatistics editable="true">Not enabled</MACStatistics>
  <MACTableSize editable="true">5120</MACTableSize>
  <VlanNormalization>Not Normalized</VlanNormalization>
  <AllowMH>Not enabled</AllowMH>
</ServiceElementConfigurationDefinition>
<ServiceEndPointConfigurationDefinition
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSEndPointParameterDefType">
  <EthernetOption>qinq</EthernetOption>
  <VlanIdSelection selection="Auto pick" editable="true" />
  <TrafficType>Transport all traffic</TrafficType>
  <VlanIdAuto default="1" min="1" max="4094" />
  <VlanIdManual default="0" min="0" max="0" />
  <PhysicalEncapsulation>flexible-ethernet-services
  </PhysicalEncapsulation>
```

```

    <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
    <MTU default="1522" editable="true" min="1522" max="9192" />
    <EnableRateLimiting>Enabled</EnableRateLimiting>
    <DefaultBandwidth default="1" editable="true" min="1"
      max="100" unit="Mbps">10</DefaultBandwidth>
    <MinBandwidth min="64" max="100000" unit="Kbps">10000
    </MinBandwidth>
    <MaxBandwidth min="1" max="100000" unit="Mbps">100
    </MaxBandwidth>
    <Increment default="64" min="64" max="100000" unit="Kbps">10000
    </Increment>
  </ServiceEndPointConfigurationDefinition>
  <AdvancedSettings />
</ServiceDefinition>
<ServiceDefinition

href="/api/space/nsas/elan-vpls/service-management/service-definitions/294932"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/294932"

  key="294932">
    <Common>
      <Name>ELAN-BGP-Dot1Q-SingleVLAN</Name>
      <Identity>294932</Identity>
      <State>Published</State>
      <Comments>Used to transport single VLAN between multiple sites.
      </Comments>
      <CreatedDate>2013-10-26T01:34:15.000+05:30</CreatedDate>
      <LastUpdatedDate>2013-10-26T01:34:15.000+05:30</LastUpdatedDate>
      <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>VPLS(BGP)</ServiceType>
    <InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
    <EnableL3Access>false</EnableL3Access>
    <ServiceElementConfigurationDefinition
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="VPLSServiceEndpointGroupParameterDefType">
      <RouteTarget selection="Auto Pick" editable="true" />
      <RouteDistinguisher selection="Auto pick" />
      <MACLearning editable="true">Enabled</MACLearning>
      <MACInterfaceLimit editable="true">1024

```

```

    </MACInterfaceLimit>
    <MACStatistics editable="true">Not enabled</MACStatistics>
    <MACTableSize editable="true">5120</MACTableSize>
    <VlanNormalization>Not Normalized</VlanNormalization>
    <AllowMH>Not enabled</AllowMH>
  </ServiceElementConfigurationDefinition>
  <ServiceEndPointConfigurationDefinition
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="VPLSEndPointParameterDefType">
    <EthernetOption>dot1q</EthernetOption>
    <VlanIdSelection selection="Auto pick" editable="true" />
    <TrafficType>Transport single vlan</TrafficType>
    <VlanIdAuto default="0" min="0" max="0" />
    <VlanIdManual default="0" min="0" max="0" />
    <PhysicalEncapsulation>flexible-ethernet-services
  </PhysicalEncapsulation>
    <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
    <MTU default="1522" editable="true" min="1522" max="9192" />
    <EnableRateLimiting>Enabled</EnableRateLimiting>
    <DefaultBandwidth default="1" editable="true" min="1"
      max="100" unit="Mbps">10</DefaultBandwidth>
    <MinBandwidth min="64" max="100000" unit="Kbps">10000
  </MinBandwidth>
    <MaxBandwidth min="1" max="100000" unit="Mbps">100
  </MaxBandwidth>
    <Increment default="64" min="64" max="100000" unit="Kbps">10000
  </Increment>
  </ServiceEndPointConfigurationDefinition>
  <AdvancedSettings />
</ServiceDefinition>
<ServiceDefinition

href="/api/space/nsas/elan-vpls/service-management/service-definitions/294952"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/294952"

key="294952">
<Common>
  <Name>ELAN-BGP-PortBased-10-100M</Name>
  <Identity>294952</Identity>
  <State>Published</State>

```

```

    <Comments>Used for multisite LAN connectivity with high BW
    requirements using dedicated ports.
  </Comments>
  <CreateDate>2013-10-26T01:34:25.000+05:30</CreateDate>
  <LastUpdatedDate>2013-10-26T01:34:25.000+05:30</LastUpdatedDate>
  <CreatedBy>super</CreatedBy>
</Common>
<ServiceType>VPLS(BGP)</ServiceType>
<InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
<EnableL3Access>>false</EnableL3Access>
<ServiceElementConfigurationDefinition
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSServiceEndpointGroupParameterDefType">
  <RouteTarget selection="Auto Pick" editable="true" />
  <RouteDistinguisher selection="Auto pick" />
  <MACLearning editable="true">Enabled</MACLearning>
  <MACInterfaceLimit editable="true">1024
  </MACInterfaceLimit>
  <MACStatistics editable="true">Not enabled</MACStatistics>
  <MACTableSize editable="true">5120</MACTableSize>
  <VlanNormalization>Not Normalized</VlanNormalization>
  <AllowMH>Not enabled</AllowMH>
</ServiceElementConfigurationDefinition>
<ServiceEndPointConfigurationDefinition
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSEndPointParameterDefType">
  <EthernetOption>port-port</EthernetOption>
  <VlanIdSelection selection="N/A" editable="false" />
  <TrafficType>N/A</TrafficType>
  <VlanIdAuto default="0" min="0" max="0" />
  <VlanIdManual default="0" min="0" max="0" />
  <PhysicalEncapsulation>ethernet-vpls</PhysicalEncapsulation>
  <LogicalEncapsulation>N/A</LogicalEncapsulation>
  <MTU default="1522" editable="true" min="1522" max="9192" />
  <EnableRateLimiting>Enabled</EnableRateLimiting>
  <DefaultBandwidth default="1" editable="true" min="1"
    max="100" unit="Mbps">10</DefaultBandwidth>
  <MinBandwidth min="64" max="100000" unit="Kbps">10000
  </MinBandwidth>
  <MaxBandwidth min="1" max="100000" unit="Mbps">100
  </MaxBandwidth>
  <Increment default="64" min="64" max="100000" unit="Kbps">10000

```

```

    </Increment>
  </ServiceEndPointConfigurationDefinition>
  <AdvancedSettings />
</ServiceDefinition>
<ServiceDefinition

href="/api/space/nsas/elan-vpls/service-management/service-definitions/294970"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/294970"

  key="294970">
    <Common>
      <Name>ELAN-BGP-QinQ-Range-Normalized-VLAN</Name>
      <Identity>294970</Identity>
      <State>Published</State>
      <Comments>Used for multisite LAN connectivity, with VLAN
        normalization.
      </Comments>
      <CreatedDate>2013-10-26T01:34:26.000+05:30</CreatedDate>
      <LastUpdatedDate>2013-10-26T01:34:26.000+05:30</LastUpdatedDate>
      <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>VPLS(BGP)</ServiceType>
    <InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
    <EnableL3Access>false</EnableL3Access>
    <ServiceElementConfigurationDefinition
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="VPLSServiceEndpointGroupParameterDefType">
      <RouteTarget selection="Auto Pick" editable="true" />
      <RouteDistinguisher selection="Auto pick" />
      <MACLearning editable="true">Enabled</MACLearning>
      <MACInterfaceLimit editable="true">1024
      </MACInterfaceLimit>
      <MACStatistics editable="true">Not enabled</MACStatistics>
      <MACTableSize editable="true">5120</MACTableSize>
      <VlanNormalization>Normalize All</VlanNormalization>
      <AllowMH>Not enabled</AllowMH>
    </ServiceElementConfigurationDefinition>
    <ServiceEndPointConfigurationDefinition
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="VPLSEndPointParameterDefType">

```

```

    <EthernetOption>qinq</EthernetOption>
    <VlanIdSelection selection="Auto pick" editable="true" />
    <TrafficType>Transport vlan range</TrafficType>
    <VlanIdAuto default="1" min="1" max="4094" />
    <VlanIdManual default="0" min="0" max="0" />
    <PhysicalEncapsulation>flexible-ethernet-services
  </PhysicalEncapsulation>
  <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
  <MTU default="1522" editable="true" min="1522" max="9192" />
  <EnableRateLimiting>Enabled</EnableRateLimiting>
  <DefaultBandwidth default="1" editable="true" min="1"
    max="100" unit="Mbps">10</DefaultBandwidth>
  <MinBandwidth min="64" max="100000" unit="Kbps">10000
  </MinBandwidth>
  <MaxBandwidth min="1" max="100000" unit="Mbps">100
  </MaxBandwidth>
  <Increment default="64" min="64" max="100000" unit="Kbps">10000
  </Increment>
</ServiceEndPointConfigurationDefinition>
<AdvancedSettings />
</ServiceDefinition>
<ServiceDefinition

href="/api/space/nsas/elan-vpls/service-management/service-definitions/294993"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/294993"

  key="294993">
    <Common>
      <Name>ELAN-BGP-QinQ-AllVLAN-Normalized-All</Name>
      <Identity>294993</Identity>
      <State>Published</State>
      <Comments>Used for multisite LAN connectivity, with VLAN
        normalization.
      </Comments>
      <CreatedDate>2013-10-26T01:34:27.000+05:30</CreatedDate>
      <LastUpdatedDate>2013-10-26T01:34:27.000+05:30</LastUpdatedDate>
      <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>VPLS(BGP)</ServiceType>
    <InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>

```

```

    <EnableL3Access>false</EnableL3Access>
    <ServiceElementConfigurationDefinition
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSServiceEndpointGroupParameterDefType">
      <RouteTarget selection="Auto Pick" editable="true" />
      <RouteDistinguisher selection="Auto pick" />
      <MACLearning editable="true">Enabled</MACLearning>
      <MACInterfaceLimit editable="true">1024
    </MACInterfaceLimit>
      <MACStatistics editable="true">Not enabled</MACStatistics>
      <MACTableSize editable="true">5120</MACTableSize>
      <VlanNormalization>Normalize All</VlanNormalization>
      <AllowMH>Not enabled</AllowMH>
    </ServiceElementConfigurationDefinition>
    <ServiceEndPointConfigurationDefinition
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSEndPointParameterDefType">
      <EthernetOption>qinq</EthernetOption>
      <VlanIdSelection selection="Auto pick" editable="true" />
      <TrafficType>Transport all traffic</TrafficType>
      <VlanIdAuto default="1" min="1" max="4094" />
      <VlanIdManual default="0" min="0" max="0" />
      <PhysicalEncapsulation>flexible-ethernet-services
    </PhysicalEncapsulation>
      <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
      <MTU default="1522" editable="true" min="1522" max="9192" />
      <EnableRateLimiting>Enabled</EnableRateLimiting>
      <DefaultBandwidth default="1" editable="true" min="1"
        max="100" unit="Mbps">10</DefaultBandwidth>
      <MinBandwidth min="64" max="100000" unit="Kbps">10000
    </MinBandwidth>
      <MaxBandwidth min="1" max="100000" unit="Mbps">100
    </MaxBandwidth>
      <Increment default="64" min="64" max="100000" unit="Kbps">10000
    </Increment>
    </ServiceEndPointConfigurationDefinition>
    <AdvancedSettings />
  </ServiceDefinition>
</ServiceDefinition>

```

href="/api/space/nsas/elan-vpls/service-management/service-definitions/295014"

```
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/295014"
```

```
key="295014">
<Common>
  <Name>ELAN-BGP-QinQ-AllVLAN-Normalized-None</Name>
  <Identity>295014</Identity>
  <State>Published</State>
  <Comments>Used for multisite LAN connectivity, with no VLAN
    normalization.
  </Comments>
  <CreatedDate>2013-10-26T01:34:27.000+05:30</CreatedDate>
  <LastUpdatedDate>2013-10-26T01:34:27.000+05:30</LastUpdatedDate>
  <CreatedBy>super</CreatedBy>
</Common>
<ServiceType>VPLS(BGP)</ServiceType>
<InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
<EnableL3Access>>false</EnableL3Access>
<ServiceElementConfigurationDefinition
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSServiceEndpointGroupParameterDefType">
  <RouteTarget selection="Auto Pick" editable="true" />
  <RouteDistinguisher selection="Auto pick" />
  <MACLearning editable="true">Enabled</MACLearning>
  <MACInterfaceLimit editable="true">1024
</MACInterfaceLimit>
  <MACStatistics editable="true">Not enabled</MACStatistics>
  <MACTableSize editable="true">5120</MACTableSize>
  <VlanNormalization>Normalize to None</VlanNormalization>
  <AllowMH>Not enabled</AllowMH>
</ServiceElementConfigurationDefinition>
<ServiceEndPointConfigurationDefinition
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSEndPointParameterDefType">
  <EthernetOption>qinq</EthernetOption>
  <VlanIdSelection selection="Auto pick" editable="true" />
  <TrafficType>Transport all traffic</TrafficType>
  <VlanIdAuto default="1" min="1" max="4094" />
  <VlanIdManual default="0" min="0" max="0" />
  <PhysicalEncapsulation>flexible-ethernet-services
</PhysicalEncapsulation>
  <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
```

```

    <MTU default="1522" editable="true" min="1522" max="9192" />
    <EnableRateLimiting>Enabled</EnableRateLimiting>
    <DefaultBandwidth default="1" editable="true" min="1"
      max="100" unit="Mbps">10</DefaultBandwidth>
    <MinBandwidth min="64" max="100000" unit="Kbps">10000
    </MinBandwidth>
    <MaxBandwidth min="1" max="100000" unit="Mbps">100
    </MaxBandwidth>
    <Increment default="64" min="64" max="100000" unit="Kbps">10000
    </Increment>
  </ServiceEndPointConfigurationDefinition>
  <AdvancedSettings />
</ServiceDefinition>
<ServiceDefinition

href="/api/space/nsas/elan-vpls/service-management/service-definitions/295035"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/295035"

key="295035">
  <Common>
    <Name>ELAN-BGP-Dot1q-Normalized-VLAN-None</Name>
    <Identity>295035</Identity>
    <State>Published</State>
    <Comments>Used to transport single VLAN between multiple sites, with
      no VLAN normalization.
    </Comments>
    <CreatedDate>2013-10-26T01:34:28.000+05:30</CreatedDate>
    <LastUpdatedDate>2013-10-26T01:34:28.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <ServiceType>VPLS(BGP)</ServiceType>
  <InterfaceType>VPLS (MultiPoint-MultiPoint)</InterfaceType>
  <EnableL3Access>false</EnableL3Access>
  <ServiceElementConfigurationDefinition
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSServiceEndpointGroupParameterDefType">
    <RouteTarget selection="Auto Pick" editable="true" />
    <RouteDistinguisher selection="Auto pick" />
    <MACLearning editable="true">Enabled</MACLearning>
    <MACInterfaceLimit editable="true">1024

```

```

    </MACInterfaceLimit>
    <MACStatistics editable="true">Not enabled</MACStatistics>
    <MACTableSize editable="true">5120</MACTableSize>
    <VlanNormalization>Normalize to None</VlanNormalization>
    <AllowMH>Not enabled</AllowMH>
  </ServiceElementConfigurationDefinition>
  <ServiceEndPointConfigurationDefinition
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="VPLSEndPointParameterDefType">
    <EthernetOption>dot1q</EthernetOption>
    <VlanIdSelection selection="Auto pick" editable="true" />
    <TrafficType>Transport single vlan</TrafficType>
    <VlanIdAuto default="0" min="0" max="0" />
    <VlanIdManual default="0" min="0" max="0" />
    <PhysicalEncapsulation>flexible-ethernet-services
  </PhysicalEncapsulation>
    <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
    <MTU default="1522" editable="true" min="1522" max="9192" />
    <EnableRateLimiting>Enabled</EnableRateLimiting>
    <DefaultBandwidth default="1" editable="true" min="1"
      max="100" unit="Mbps">10</DefaultBandwidth>
    <MinBandwidth min="64" max="100000" unit="Kbps">10000
  </MinBandwidth>
    <MaxBandwidth min="1" max="100000" unit="Mbps">100
  </MaxBandwidth>
    <Increment default="64" min="64" max="100000" unit="Kbps">10000
  </Increment>
  </ServiceEndPointConfigurationDefinition>
  <AdvancedSettings />
</ServiceDefinition>
<ServiceDefinition

href="/api/space/nsas/elan-vpls/service-management/service-definitions/295056"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/295056"

  key="295056">
  <Common>
    <Name>ELAN-Hub-Spoke-QinQ-AllVLAN-Normalized-All</Name>
    <Identity>295056</Identity>
    <State>Published</State>

```

```

    <Comments>Used for multisite LAN connectivity, with VLAN
    normalization.
  </Comments>
  <CreatedDate>2013-10-26T01:34:28.000+05:30</CreatedDate>
  <LastUpdatedDate>2013-10-26T01:34:28.000+05:30</LastUpdatedDate>
  <CreatedBy>super</CreatedBy>
</Common>
<ServiceType>VPLS(BGP)</ServiceType>
<InterfaceType>VPLS (Point-MultiPoint)</InterfaceType>
<EnableL3Access>>false</EnableL3Access>
<PWExtension>Not Enabled</PWExtension>
<PWResiliency>Not Enabled</PWResiliency>
<ServiceElementConfigurationDefinition
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSServiceEndpointGroupParameterDefType">
  <RouteTarget selection="Auto Pick" editable="true" />
  <RouteDistinguisher selection="Auto pick" />
  <MACLearning editable="true">Enabled</MACLearning>
  <MACInterfaceLimit editable="true">1024
  </MACInterfaceLimit>
  <MACStatistics editable="true">Not enabled</MACStatistics>
  <MACTableSize editable="true">5120</MACTableSize>
  <VlanNormalization>Normalize All</VlanNormalization>
  <AllowMH>Not enabled</AllowMH>
</ServiceElementConfigurationDefinition>
<ServiceEndPointConfigurationDefinition
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSEndPointParameterDefType">
  <EthernetOption>qinq</EthernetOption>
  <VlanIdSelection selection="Auto pick" editable="true" />
  <TrafficType>Transport all traffic</TrafficType>
  <VlanIdAuto default="1" min="1" max="4094" />
  <VlanIdManual default="0" min="0" max="0" />
  <PhysicalEncapsulation>flexible-ethernet-services
  </PhysicalEncapsulation>
  <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
  <MTU default="1522" editable="true" min="1522" max="9192" />
  <EnableRateLimiting>Enabled</EnableRateLimiting>
  <DefaultBandwidth default="1" editable="true" min="1"
    max="100" unit="Mbps">10</DefaultBandwidth>
  <MinBandwidth min="64" max="100000" unit="Kbps">10000
  </MinBandwidth>

```

```

    <MaxBandwidth min="1" max="100000" unit="Mbps">100
  </MaxBandwidth>
  <Increment default="64" min="64" max="100000" unit="Kbps">10000
</Increment>
</ServiceEndPointConfigurationDefinition>
<AdvancedSettings />
</ServiceDefinition>
<ServiceDefinition

href="/api/space/nsas/elan-vpls/service-management/service-definitions/295077"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/295077"

  key="295077">
    <Common>
      <Name>ELAN-Hub-Spoke-QinQ-AllVLAN</Name>
      <Identity>295077</Identity>
      <State>Published</State>
      <Comments>Used for multisite LAN connectivity</Comments>
      <CreateDate>2013-10-26T01:34:29.000+05:30</CreateDate>
      <LastUpdatedDate>2013-10-26T01:34:29.000+05:30</LastUpdatedDate>
      <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>VPLS(BGP)</ServiceType>
    <InterfaceType>VPLS (Point-MultiPoint)</InterfaceType>
    <EnableL3Access>false</EnableL3Access>
    <PWExtension>Not Enabled</PWExtension>
    <PWResiliency>Not Enabled</PWResiliency>
    <ServiceElementConfigurationDefinition
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="VPLSServiceEndpointGroupParameterDefType">
      <RouteTarget selection="Auto Pick" editable="true" />
      <RouteDistinguisher selection="Auto pick" />
      <MACLearning editable="true">Enabled</MACLearning>
      <MACInterfaceLimit editable="true">1024
    </MACInterfaceLimit>
      <MACStatistics editable="true">Not enabled</MACStatistics>
      <MACTableSize editable="true">5120</MACTableSize>
      <VlanNormalization>Not Normalized</VlanNormalization>
      <AllowMH>Not enabled</AllowMH>
    </ServiceElementConfigurationDefinition>

```

```

<ServiceEndPointConfigurationDefinition
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="VPLSEndPointParameterDefType">
  <EthernetOption>qinq</EthernetOption>
  <VlanIdSelection selection="Auto pick" editable="true" />
  <TrafficType>Transport all traffic</TrafficType>
  <VlanIdAuto default="1" min="1" max="4094" />
  <VlanIdManual default="0" min="0" max="0" />
  <PhysicalEncapsulation>flexible-ethernet-services
</PhysicalEncapsulation>
  <LogicalEncapsulation>vlan-vpls</LogicalEncapsulation>
  <MTU default="1522" editable="true" min="1522" max="9192" />
  <EnableRateLimiting>Enabled</EnableRateLimiting>
  <DefaultBandwidth default="1" editable="true" min="1"
    max="100" unit="Mbps">10</DefaultBandwidth>
  <MinBandwidth min="64" max="100000" unit="Kbps">10000
</MinBandwidth>
  <MaxBandwidth min="1" max="100000" unit="Mbps">100
</MaxBandwidth>
  <Increment default="64" min="64" max="100000" unit="Kbps">10000
</Increment>
</ServiceEndPointConfigurationDefinition>
  <AdvancedSettings />
</ServiceDefinition>
</ServiceResource>
</Data>

```

Get E-Line Services By Signaling Type

This request is used to retrieve all the configured E-Line services based on the signaling type.

| | |
|-------------|--|
| URI | /api/space/nsas/eline-ptp/service-management/ services?signalType=LDP |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. services+xml |
| Produces | Collects all the E-Line services based on the signaling type. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="2">
    <Service
      href="/api/space/nsas/eline-ptp/service-management/services/327940"
      uri="/api/space/nsas/eline-ptp/service-management/services/327940"
      key="327940">
      <Common>
        <Name>P-2-P</Name>
        <Identity>327940</Identity>
        <State>Deployed</State>
        <Comments>P-2-P</Comments>
        <CreatedDate>2013-10-26T02:18:51.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-10-26T02:18:51.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>LDP</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
      </AuditFlag>
      <Reference>
        <ServiceOrder key="327933"
          href="/api/space/nsas/eline-ptp/service-management/service-orders/327933"
          uri="/api/space/nsas/eline-ptp/service-management/service-orders/327933"
        />
        <ServiceDefinition>
          <ServiceDefinitionID key="327680"
            href="/api/space/nsas/eline-ptp/service-management/service-definitions/327680"
            uri="/api/space/nsas/eline-ptp/service-management/service-definitions/327680"
          />
        </ServiceDefinition>
        <Customer key="458752"
          href="/api/space/nsas/customer-management/customers/458752"
          uri="/api/space/nsas/customer-management/customers/458752"
        />
      </Reference>
    </Service>
  </ServiceResource>
</Data>
```

```

</Service>
<Service
  href="/api/space/nsas/eline-ntp/service-management/services/327958"
  uri="/api/space/nsas/eline-ntp/service-management/services/327958"
  key="327958">
  <Common>
    <Name>P-2-P-01</Name>
    <Identity>327958</Identity>
    <State>Deployed</State>
    <Comments>P-2-P-01</Comments>
    <CreatedDate>2013-10-26T02:20:40.000+05:30</CreatedDate>
    <LastUpdatedDate>2013-10-26T02:20:40.000+05:30</LastUpdatedDate>
  </Common>
  <ServiceType>LDP</ServiceType>
  <AuditFlag>
    <FunctionalAudit>Pending</FunctionalAudit>
    <FaultStatus>None</FaultStatus>
  </AuditFlag>
  <Reference>
    <ServiceOrder key="327951"
      href="/api/space/nsas/eline-ntp/service-management/service-orders/327951"

      uri="/api/space/nsas/eline-ntp/service-management/service-orders/327951"
    />
    <ServiceDefinition>
      <ServiceDefinitionID key="327680"

      href="/api/space/nsas/eline-ntp/service-management/service-definitions/327680"

      uri="/api/space/nsas/eline-ntp/service-management/service-definitions/327680"
    />
    </ServiceDefinition>
    <Customer key="458752"
      href="/api/space/nsas/customer-management/customers/458752"
    uri="/api/space/nsas/customer-management/customers/458752" />
    </Reference>
  </Service>
</ServiceResource>
</Data>

```

Get E-LAN Services By Signaling Type

This request is used to retrieve all the configured E-LAN services based on the signaling type.

| | |
|-------------|---|
| URI | api/space/nsas/elan-vpls/service-management/services?signalType=BGP |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml |
| Produces | Collects all the E-LAN services based on the signaling type. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="2">
    <Service
      href="/api/space/nsas/elan-vpls/service-management/services/295108"
      uri="/api/space/nsas/elan-vpls/service-management/services/295108"
      key="295108">
      <Common>
        <Name>VPLS-01</Name>
        <Identity>295108</Identity>
        <State>Deployed</State>
        <Comments>VPLS-01</Comments>
        <CreatedDate>2013-10-26T02:22:19.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-10-26T02:22:19.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>VPLS</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
      </AuditFlag>
      <Reference>
        <ServiceOrder key="295097"
          href="/api/space/nsas/elan-vpls/service-management/service-orders/295097"
          uri="/api/space/nsas/elan-vpls/service-management/service-orders/295097"
```

```

/>
  <ServiceDefinition>
    <ServiceDefinitionID key="294912"

href="/api/space/nsas/elan-vpls/service-management/service-definitions/294912"

uri="/api/space/nsas/elan-vpls/service-management/service-definitions/294912"
  />
    </ServiceDefinition>
    <Customer key="458752"
      href="/api/space/nsas/customer-management/customers/458752"
uri="/api/space/nsas/customer-management/customers/458752" />
    </Reference>
  </Service>
  <Service
    href="/api/space/nsas/elan-vpls/service-management/services/4128774"
    uri="/api/space/nsas/elan-vpls/service-management/services/4128774"
    key="4128774">
    <Common>
      <Name>VPLS-02</Name>
      <Identity>4128774</Identity>
      <State>Deployed</State>
      <Comments>VPLS-02</Comments>
      <CreatedDate>2013-11-02T07:17:48.000+05:30</CreatedDate>
      <LastUpdatedDate>2013-11-02T07:17:48.000+05:30</LastUpdatedDate>
    </Common>
    <ServiceType>VPLS</ServiceType>
    <AuditFlag>
      <FunctionalAudit>Pending</FunctionalAudit>
      <FaultStatus>None</FaultStatus>
    </AuditFlag>
    <Reference>
      <ServiceOrder key="4128768"
        href="/api/space/nsas/elan-vpls/service-management/service-orders/4128768"

        uri="/api/space/nsas/elan-vpls/service-management/service-orders/4128768"
      />
    </ServiceDefinition>
    <ServiceDefinitionID key="294912"

href="/api/space/nsas/elan-vpls/service-management/service-definitions/294912"

```

```
uri="/api/space/nsas/elan-vpls/service-management/service-definitions/294912"
/>
</ServiceDefinition>
<Customer key="458752"
  href="/api/space/nsas/customer-management/customers/458752"
uri="/api/space/nsas/customer-management/customers/458752" />
</Reference>
</Service>
</ServiceResource>
</Data>
```

Multicast VPN Service and Service Orders Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director Multicast VPN (MVPN) Services and Service Orders Management RESTful Web Services.

Get MVPN Service Definition Details By Definition ID

This request is used to retrieve the details of a particular MVPN service definition, based on the service definition ID.

| | |
|-------------|---|
| URI | api/space/nsas/l3vpn/service-management/service-definitions/ <servicedefinition-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition+xml;version=2 |
| Produces | Collects the details of a specific MVPN service definition. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition
      href="/api/space/nsas/l3vpn/service-management/service-definitions/3768526"

      uri="/api/space/nsas/l3vpn/service-management/service-definitions/3768526"

      key="3768526">
      <Common>
        <Name>Test_MVPN</Name>
        <Identity>3768526</Identity>
        <State>Published</State>
        <Comments>Test_MVPN</Comments>
        <CreatedDate>2013-09-20T15:03:01.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-09-20T15:03:01.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>L3VPN</ServiceType>
      <EnableMVPN>true</EnableMVPN>
      <InterfaceType>L3 VPN (Full Mesh)</InterfaceType>
      <ServiceElementConfigurationDefinition
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="L3VPNServiceEndpointGroupParameterDefType">
        <RouteTarget selection="Auto pick" editable="false" />
        <RouteDistinguisher selection="Auto pick"
          editable="false" />
        <VRFTabelLabel editable="false">true</VRFTabelLabel>
        <ExportDirectRoutes>true</ExportDirectRoutes>
        <RoutingProtocol>OSPF/Static Route</RoutingProtocol>
        <PEInterfaceIP selection="Auto pick" editable="false" />
        <IPPoolType editable="false">Global</IPPoolType>
        <AddressBlockSize editable="false">30</AddressBlockSize>
      </ServiceElementConfigurationDefinition>
      <ServiceEndPointConfigurationDefinition
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="L3VPNEndPointParameterDefType">
        <VlanIdSelection selection="Auto pick" editable="false" />
        <VlanIdAuto min="0" max="0" />
        <VlanIdManual min="0" max="0" />
      </ServiceEndPointConfigurationDefinition>
    </ServiceDefinition>
  </ServiceResource>
</Data>

```

```
</ServiceResource>
</Data>
```

Create an MVPN Service Definition

This request is used to create an MVPN service definition.

| | |
|--------------|--|
| URI | api/space/nsas/l3vpn/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-definition+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition-status+xml |
| Produces | Creates an MVPN service definition. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition
      href="/api/space/nsas/l3vpn/service-management/service-definitions/3768526"

      uri="/api/space/nsas/l3vpn/service-management/service-definitions/3768526"

      key="3768526">
      <Common>
        <Name>Test_MVPNAPI</Name>
        <Comments>Test_MVPNAPI</Comments>
```

```

    <CreatedBy>super</CreatedBy>
  </Common>
  <ServiceType>L3VPN</ServiceType>
  <EnableMVPN>true</EnableMVPN>
  <InterfaceType>L3 VPN (Full Mesh)</InterfaceType>
  <ServiceElementConfigurationDefinition
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="L3VPNServiceEndpointGroupParameterDefType">
    <RouteTarget selection="Auto pick" editable="false" />
    <RouteDistinguisher selection="Auto pick"
      editable="false" />
    <VRFTabelLabel editable="false">true</VRFTabelLabel>
    <ExportDirectRoutes>true</ExportDirectRoutes>
    <RoutingProtocol>OSPF/Static Route</RoutingProtocol>
    <PEInterfaceIP selection="Auto pick" editable="false" />
    <IPPoolType editable="false">Global</IPPoolType>
    <AddressBlockSize editable="false">30</AddressBlockSize>
  </ServiceElementConfigurationDefinition>
  <ServiceEndPointConfigurationDefinition
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="L3VPNEndPointParameterDefType">
    <VlanIdSelection selection="Auto pick" editable="false" />
    <VlanIdAuto min="0" max="0" />
    <VlanIdManual min="0" max="0" />
  </ServiceEndPointConfigurationDefinition>
</ServiceDefinition>
</ServiceResource>
</Data>
```

Get an MVPN Service Order

This request is used to retrieve the details of a particular MVPN service order, based on the service order ID.

| | |
|-------------|---|
| URI | api/space/nsas/l3vpn/service-management/service-orders/ <serviceOrderId> |
| HTTP Method | GET |

| | |
|----------|--|
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Collects the details of a specific MVPN service order. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/l3vpn/service-management/service-orders/3768422"
      uri="/api/space/nsas/l3vpn/service-management/service-orders/3768422"
      key="3768422">
      <Common>
        <Name>tes_miver</Name>
        <Identity>3768422</Identity>
        <State>Completed</State>
        <Comments>ter</Comments>
        <CreatedDate>2013-09-13T15:27:03.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-09-13T15:28:13.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>l3vpn</ServiceType>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/device-roles/pe-devices/3440703"
            uri="/api/space/nsas/device-roles/pe-devices/3440703"
            key="3440703">
            <DeviceName>embassy</DeviceName>
            <DeviceID>3440703</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/1/8</InterfaceName>
          <InterfaceIndex>530</InterfaceIndex>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="L3VPNFMOspfEndPointConfigParameterOrderType">
```

```

<RoutingProtocol>OSPF</RoutingProtocol>
<EthernetOption>Vlan</EthernetOption>
<VlanId>2</VlanId>
<InterfaceIP>10.0.77.21</InterfaceIP>
<RouteDistinguisher>100:47349771</RouteDistinguisher>
<OSPFAreaId>0.0.0.0</OSPFAreaId>
<OSPFVersion>Ver 2</OSPFVersion>
</ServiceEndpointConfiguration>
<ServiceTemplates />
<MVPNSettings>
  <PIMSettings>
    <PIMMode>sparse</PIMMode>
    <Interface>ge-1/1/8.2 lo0.29</Interface>
    <RPAddress>
      <Device>
        <NA href="/api/space/nsas/device-roles/pe-devices/3440699"
        uri="/api/space/nsas/device-roles/pe-devices/3440699" key="3440699">

        <DeviceName>jaipur</DeviceName>
        <DeviceID>3440699</DeviceID>
        </NA>
      </Device>
      <Interface>lo0.29</Interface>
    </RPAddress>
  </PIMSettings>
  <MVPNSetting>
    <MVPNTType>NG-MVPN</MVPNTType>
    <MVPNMode>rpt-spt</MVPNMode>
    <ProviderTunnelType>RSVP-TE</ProviderTunnelType>
    <RSVPLSPName>P2MP_API_Test_Path</RSVPLSPName>
    <SiteType>sender-site</SiteType>
    <UpstreamMCHop>>false</UpstreamMCHop>
    <ImportTarget>
      <UnicastTarget>>false</UnicastTarget>
      <Sender>>false</Sender>
      <Receiver>>false</Receiver>
      <TargetSender>>false</TargetSender>
      <TargetReceiver>>false</TargetReceiver>
    </ImportTarget>
    <ExportTarget>
      <UnicastTarget>>false</UnicastTarget>
      <AutoPickRT>>true</AutoPickRT>

```

```

        </ExportTarget>
    </MVPNSetting>
</MVPNSettings>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA href="/api/space/nsas/device-roles/pe-devices/3440703"
uri="/api/space/nsas/device-roles/pe-devices/3440703"
        key="3440703">
            <DeviceName>embassy</DeviceName>
            <DeviceID>3440703</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>lo0</InterfaceName>
        <InterfaceIndex>6</InterfaceIndex>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
            <RoutingProtocol>OSPF</RoutingProtocol>
            <EthernetOption>Vlan</EthernetOption>
            <VlanId>0</VlanId>
            <UnitID>29</UnitID>
            <InterfaceIP>10.0.88.13</InterfaceIP>
            <RouteDistinguisher>100:47349771</RouteDistinguisher>
            <OSPFAreaId>0.0.0.0</OSPFAreaId>
            <OSPFVersion>Ver 2</OSPFVersion>
        </ServiceEndpointConfiguration>
    <ServiceTemplates />
</MVPNSettings>
    <PIMSettings>
        <PIMMode>sparse</PIMMode>
        <Interface>ge-1/1/8.2 lo0.29</Interface>
        <RPAddress>
            <Device>
                <NA href="/api/space/nsas/device-roles/pe-devices/3440699"
uri="/api/space/nsas/device-roles/pe-devices/3440699" key="3440699">
                    <DeviceName>jaipur</DeviceName>
                    <DeviceID>3440699</DeviceID>
                </NA>
            </Device>
        </RPAddress>
    </PIMSettings>

```

```

        </Device>
        <Interface>lo0.29</Interface>
    </RPAddress>
</PIMSettings>
<MVPNSetting>
    <MVPNType>NG-MVPN</MVPNType>
    <MVPNMode>rpt-spt</MVPNMode>
    <ProviderTunnelType>RSVP-TE</ProviderTunnelType>
    <RSVPLSPName>P2MP_API_Test_Path</RSVPLSPName>
    <SiteType>sender-site</SiteType>
    <UpstreamMCHop>>false</UpstreamMCHop>
    <ImportTarget>
        <UnicastTarget>>false</UnicastTarget>
        <Sender>>false</Sender>
        <Receiver>>false</Receiver>
        <TargetSender>>false</TargetSender>
        <TargetReceiver>>false</TargetReceiver>
    </ImportTarget>
    <ExportTarget>
        <UnicastTarget>>false</UnicastTarget>
        <AutoPickRT>>true</AutoPickRT>
    </ExportTarget>
</MVPNSetting>
</MVPNSettings>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA href="/api/space/nsas/device-roles/pe-devices/3440699"
uri="/api/space/nsas/device-roles/pe-devices/3440699"
key="3440699">
        <DeviceName>jaipur</DeviceName>
        <DeviceID>3440699</DeviceID>
    </NA>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge-0/0/3</InterfaceName>
    <InterfaceIndex>795</InterfaceIndex>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
        <RoutingProtocol>OSPF</RoutingProtocol>

```

```

<EthernetOption>Vlan</EthernetOption>
<VlanId>6</VlanId>
<InterfaceIP>10.0.77.25</InterfaceIP>
<RouteDistinguisher>100:47349772</RouteDistinguisher>
<OSPFAreaId>0.0.0.0</OSPFAreaId>
<OSPFVersion>Ver 2</OSPFVersion>
</ServiceEndpointConfiguration>
<ServiceTemplates />
<MVPNSettings>
  <PIMSettings>
    <PIMMode>sparse</PIMMode>
    <Interface>ge-0/0/3.6 lo0.29</Interface>
    <RPAddress>
      <Device>
        <NA href="/api/space/nsas/device-roles/pe-devices/3440699"
          uri="/api/space/nsas/device-roles/pe-devices/3440699" key="3440699">

          <DeviceName>jaipur</DeviceName>
          <DeviceID>3440699</DeviceID>
        </NA>
      </Device>
    <Interface>lo0.29</Interface>
    </RPAddress>
  </PIMSettings>
  <MVPNSetting>
    <MVPNType>NG-MVPN</MVPNType>
    <SiteType>receiver-site</SiteType>
    <UpstreamMCHop>>false</UpstreamMCHop>
    <ImportTarget>
      <UnicastTarget>>false</UnicastTarget>
      <Sender>>false</Sender>
      <Receiver>>false</Receiver>
      <TargetSender>>false</TargetSender>
      <TargetReceiver>>false</TargetReceiver>
    </ImportTarget>
    <ExportTarget>
      <UnicastTarget>>false</UnicastTarget>
      <AutoPickRT>>true</AutoPickRT>
    </ExportTarget>
  </MVPNSetting>
</MVPNSettings>
</ServiceEndPoint>

```

```

</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/3440699"
uri="/api/space/nsas/device-roles/pe-devices/3440699"
    key="3440699">
      <DeviceName>jaipur</DeviceName>
      <DeviceID>3440699</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>lo0</InterfaceName>
    <InterfaceIndex>6</InterfaceIndex>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOspfEndPointConfigParameterOrderType">
      <RoutingProtocol>OSPF</RoutingProtocol>
      <EthernetOption>Vlan</EthernetOption>
      <VlanId>0</VlanId>
      <UnitID>29</UnitID>
      <InterfaceIP>10.0.88.14</InterfaceIP>
      <RouteDistinguisher>100:47349772</RouteDistinguisher>
      <OSPFAreaId>0.0.0.0</OSPFAreaId>
      <OSPFVersion>Ver 2</OSPFVersion>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
    <MVPNSettings>
      <PIMSettings>
        <PIMMode>sparse</PIMMode>
        <Interface>ge-0/0/3.6 lo0.29</Interface>
        <RPAddress>
          <Device>
            <NA href="/api/space/nsas/device-roles/pe-devices/3440699"
uri="/api/space/nsas/device-roles/pe-devices/3440699" key="3440699">

            <DeviceName>jaipur</DeviceName>
            <DeviceID>3440699</DeviceID>
          </NA>
        </Device>
        <Interface>lo0.29</Interface>
        </RPAddress>
      </PIMSettings>

```

```

    <MVPNSetting>
      <MVPNTType>NG-MVPN</MVPNTType>
      <SiteType>receiver-site</SiteType>
      <UpstreamMCHop>>false</UpstreamMCHop>
      <ImportTarget>
        <UnicastTarget>>false</UnicastTarget>
        <Sender>>false</Sender>
        <Receiver>>false</Receiver>
        <TargetSender>>false</TargetSender>
        <TargetReceiver>>false</TargetReceiver>
      </ImportTarget>
      <ExportTarget>
        <UnicastTarget>>false</UnicastTarget>
        <AutoPickRT>>true</AutoPickRT>
      </ExportTarget>
    </MVPNSetting>
  </MVPNSettings>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="L3VPNConfigParameterOrderType">
    <RouteTarget>100:2</RouteTarget>
    <VRFTabelLabel>>true</VRFTabelLabel>
  </ServiceOrderParameter>
  <Reference>
    <Customer key="3440819"
      href="/api/space/nsas/customer-management/customers/3440819"
uri="/api/space/nsas/customer-management/customers/3440819" />
    <ServiceDefinition>
      <ServiceDefinitionID key="425998"

href="/api/space/nsas/l3vpn/service-management/service-definitions/425998"
      uri="/api/space/nsas/l3vpn/service-management/service-definitions/425998"
/>
    </ServiceDefinition>
    <Service key="3768471"
      href="/api/space/nsas/l3vpn/service-management/services/3768471"
      uri="/api/space/nsas/l3vpn/service-management/services/3768471" />
    </Reference>
  </ServiceOrder>
</ServiceResource>

```

```
</Data>
```

Create an MVPN Service Order

This request is used to create a multicast VPN service order.

| | |
|--------------|---|
| URI | api/space/nsas/l3vpn/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml |
| Produces | Creates an MVPN service order. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>tes_miverAPI</Name>
        <Comments>ter</Comments>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>l3vpn</ServiceType>
      <EnableMVPN>true</EnableMVPN>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
```

```

    <DeviceInfo>
      <NA href="/api/space/nsas/device-roles/pe-devices/3440703"
uri="/api/space/nsas/device-roles/pe-devices/3440703"
      key="3440703">
        <DeviceName>embassy</DeviceName>
        <DeviceID>3440703</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-1/1/8</InterfaceName>
      <InterfaceIndex>530</InterfaceIndex>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
        <EthernetOption>VLAN</EthernetOption>
        <AutoPickVlanID>false</AutoPickVlanID>
        <VlanId>3</VlanId>
        <InterfaceIP>10.0.88.0</InterfaceIP>
        <RouteDistinguisher>100:47349771</RouteDistinguisher>
        <OSPFAreaId>0.0.0.0</OSPFAreaId>
        <OSPFVersion>Ver 2</OSPFVersion>
      </ServiceEndpointConfiguration>
    <ServiceTemplates />
    <MVPNSettings>
      <PIMSettings>
        <PIMMode>sparse</PIMMode>
        <Interface>ge-1/1/8.2 lo0.35</Interface>
        <RPAddress>
          <Device>
            <NA href="/api/space/nsas/device-roles/pe-devices/3440699"
uri="/api/space/nsas/device-roles/pe-devices/3440699" key="3440699">
              <DeviceName>jaipur</DeviceName>
              <DeviceID>3440699</DeviceID>
            </NA>
          </Device>
          <Interface>lo0.35</Interface>
        </RPAddress>
      </PIMSettings>
    <MVPNSetting>
      <MVPNType>NG-MVPN</MVPNType>
      <MVPNMode>rpt-spt</MVPNMode>

```

```

    <ProviderTunnelType>RSVP-TE</ProviderTunnelType>
    <RSVPLSPName>API_temp</RSVPLSPName>
    <SiteType>sender-site</SiteType>
    <UpstreamMCHop>>false</UpstreamMCHop>
    <ImportTarget>
      <UnicastTarget>>false</UnicastTarget>
      <Sender>>false</Sender>
      <Receiver>>false</Receiver>
      <TargetSender>>false</TargetSender>
      <TargetReceiver>>false</TargetReceiver>
    </ImportTarget>
    <ExportTarget>
      <UnicastTarget>>false</UnicastTarget>
      <AutoPickRT>>true</AutoPickRT>
    </ExportTarget>
  </MVPNSetting>
</MVPNSettings>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/3440703"
uri="/api/space/nsas/device-roles/pe-devices/3440703"
    key="3440703">
      <DeviceName>embassy</DeviceName>
      <DeviceID>3440703</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>lo0</InterfaceName>
    <InterfaceIndex>6</InterfaceIndex>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
      <EthernetOption>VLAN</EthernetOption>
      <UnitID>35</UnitID>
      <InterfaceIP>10.0.88.13</InterfaceIP>
      <RouteDistinguisher>100:47349771</RouteDistinguisher>
      <OSPFAreaId>0.0.0.0</OSPFAreaId>
      <OSPFVersion>Ver 2</OSPFVersion>
    </ServiceEndpointConfiguration>
  <ServiceTemplates />

```

```

<MVPNSettings>
  <PIMSettings>
    <PIMMode>sparse</PIMMode>
    <Interface>ge-1/1/8.2 lo0.35</Interface>
    <RPAddress>
      <Device>
        <NA href="/api/space/nsas/device-roles/pe-devices/3440699"
        uri="/api/space/nsas/device-roles/pe-devices/3440699" key="3440699">

          <DeviceName>jaipur</DeviceName>
          <DeviceID>3440699</DeviceID>
          </NA>
        </Device>
        <Interface>lo0.35</Interface>
      </RPAddress>
    </PIMSettings>
  <MVPNSetting>
    <MVPNType>NG-MVPN</MVPNType>
    <MVPNMode>rpt-spt</MVPNMode>
    <ProviderTunnelType>RSVP-TE</ProviderTunnelType>
    <RSVPLSPName>P2MP_API_Test_Path</RSVPLSPName>
    <SiteType>sender-site</SiteType>
    <UpstreamMCHop>>false</UpstreamMCHop>
    <ImportTarget>
      <UnicastTarget>>false</UnicastTarget>
      <Sender>>false</Sender>
      <Receiver>>false</Receiver>
      <TargetSender>>false</TargetSender>
      <TargetReceiver>>false</TargetReceiver>
    </ImportTarget>
    <ExportTarget>
      <UnicastTarget>>false</UnicastTarget>
      <AutoPickRT>>true</AutoPickRT>
    </ExportTarget>
  </MVPNSetting>
</MVPNSettings>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <NA href="/api/space/nsas/device-roles/pe-devices/3440699"
    uri="/api/space/nsas/device-roles/pe-devices/3440699"

```

```

    key="3440699">
      <DeviceName>jaipur</DeviceName>
      <DeviceID>3440699</DeviceID>
    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/0/3</InterfaceName>
    <InterfaceIndex>795</InterfaceIndex>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterOrderType">
      <EthernetOption>VLAN</EthernetOption>
      <AutoPickVlanID>>false</AutoPickVlanID>
      <VlanId>7</VlanId>
      <InterfaceIP>10.0.88.0</InterfaceIP>
      <RouteDistinguisher>100:47349772</RouteDistinguisher>
      <OSPFAreaId>0.0.0.0</OSPFAreaId>
      <OSPFVersion>Ver 2</OSPFVersion>
    </ServiceEndpointConfiguration>
    <ServiceTemplates />
    <MVPNSettings>
      <PIMSettings>
        <PIMMode>sparse</PIMMode>
        <Interface>ge-0/0/3.6 lo0.35</Interface>
        <RPAddress>
          <Device>
            <NA href="/api/space/nsas/device-roles/pe-devices/3440699"
uri="/api/space/nsas/device-roles/pe-devices/3440699" key="3440699">

              <DeviceName>jaipur</DeviceName>
              <DeviceID>3440699</DeviceID>
            </NA>
          </Device>
          <Interface>lo0.35</Interface>
        </RPAddress>
      </PIMSettings>
    </MVPNSetting>
    <MVPNTType>NG-MVPN</MVPNTType>
    <SiteType>receiver-site</SiteType>
    <UpstreamMCHop>>false</UpstreamMCHop>
    <ImportTarget>
      <UnicastTarget>>false</UnicastTarget>
    </ImportTarget>
  </ServiceEndPoint>

```

```

        <Sender>false</Sender>
        <Receiver>false</Receiver>
        <TargetSender>false</TargetSender>
        <TargetReceiver>false</TargetReceiver>
    </ImportTarget>
    <ExportTarget>
        <UnicastTarget>false</UnicastTarget>
        <AutoPickRT>true</AutoPickRT>
    </ExportTarget>
</MVPNSetting>
</MVPNSettings>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA href="/api/space/nsas/device-roles/pe-devices/3440699"
uri="/api/space/nsas/device-roles/pe-devices/3440699"
        key="3440699">
            <DeviceName>jaipur</DeviceName>
            <DeviceID>3440699</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>lo0</InterfaceName>
        <InterfaceIndex>6</InterfaceIndex>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOspfEndPointConfigParameterOrderType">
            <EthernetOption>VLAN</EthernetOption>
            <UnitID>35</UnitID>
            <InterfaceIP>10.0.88.14</InterfaceIP>
            <RouteDistinguisher>100:47349772</RouteDistinguisher>
            <OSPFAreaId>0.0.0.0</OSPFAreaId>
            <OSPFVersion>Ver 2</OSPFVersion>
        </ServiceEndpointConfiguration>
    <ServiceTemplates />
</MVPNSettings>
    <PIMSettings>
        <PIMMode>sparse</PIMMode>
        <Interface>ge-0/0/3.6 lo0.35</Interface>
        <RPAddress>
            <Device>

```

```

    <NA href="/api/space/nsas/device-roles/pe-devices/3440699"
    uri="/api/space/nsas/device-roles/pe-devices/3440699" key="3440699">

        <DeviceName>jaipur</DeviceName>
        <DeviceID>3440699</DeviceID>
        </NA>
    </Device>
    <Interface>lo0.35</Interface>
    </RPAddress>
</PIMSettings>
<MVPNSetting>
    <MVPNTType>NG-MVPN</MVPNTType>
    <SiteType>receiver-site</SiteType>
    <UpstreamMCHop>false</UpstreamMCHop>
    <ImportTarget>
        <UnicastTarget>false</UnicastTarget>
        <Sender>false</Sender>
        <Receiver>false</Receiver>
        <TargetSender>false</TargetSender>
        <TargetReceiver>false</TargetReceiver>
    </ImportTarget>
    <ExportTarget>
        <UnicastTarget>false</UnicastTarget>
        <AutoPickRT>true</AutoPickRT>
    </ExportTarget>
</MVPNSetting>
</MVPNSettings>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

    xsi:type="L3VPNConfigParameterOrderType">

    </ServiceOrderParameter>
    <Reference>
        <Customer key="3440819"
            href="/api/space/nsas/customer-management/customers/3440819"
            uri="/api/space/nsas/customer-management/customers/3440819" />
        <ServiceDefinition>
            <ServiceDefinitionID key="425998"

                href="/api/space/nsas/l3vpn/service-management/service-definitions/425998"

```

```
        uri="/api/space/nsas/l3vpn/service-management/service-definitions/425998"
    />
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Modify an MVPN Service Order

This request is used to modify a saved MVPN service order.

| | |
|--------------|---|
| URI | api/space/nsas/l3vpn/service-management/service-orders/ <serviceOrderId> |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management. modify-service-order+xml; version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml;version=2 |
| Produces | Modifies an MVPN service order. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
```

```

    <Name>L3UnitTestAPI2</Name>
  </Common>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA key="786447" uri="/api/space/nsas/device-roles/pe-devices/786447"
        href="/api/space/nsas/device-roles/pe-devices/786447">
        <DeviceName>junos-mx240-space</DeviceName>
        <DeviceID>786447</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-0/0/9</InterfaceName>
      <InterfaceIndex>525</InterfaceIndex>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMBGPEndPointConfigParameterOrderType">
        <UNIDescription>a-End</UNIDescription>
        <EthernetOption>Dot1Q</EthernetOption>
        <AutoPickUnitID>>false</AutoPickUnitID>
        <UnitID>171</UnitID>
        <AutoPickVlanID>>false</AutoPickVlanID>
        <VlanId>151</VlanId>
        <InterfaceIP AutoPick="true" />
        <IPAddressPool>10.0.99.0/24</IPAddressPool>
        <PeerAS>1</PeerAS>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA key="786568" uri="/api/space/nsas/device-roles/pe-devices/786568"
        href="/api/space/nsas/device-roles/pe-devices/786568">
        <DeviceName>junos-mx80-1-space</DeviceName>
        <DeviceID>786568</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-1/1/0</InterfaceName>
      <InterfaceIndex>522</InterfaceIndex>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMBGPEndPointConfigParameterOrderType">

```

```

    <UNIDescription>z-End</UNIDescription>
    <EthernetOption>QinQ</EthernetOption>
    <AutoPickUnitID>>false</AutoPickUnitID>
    <UnitID>21</UnitID>
    <AutoPickVlanID>>false</AutoPickVlanID>
    <VlanId>81</VlanId>
    <InterfaceIP AutoPick="true" />
    <IPAddressPool>10.0.99.0/24</IPAddressPool>
    <CustomerVlanType>Transport single vlan</CustomerVlanType>
    <CustomerVlan>70</CustomerVlan>
    <OuterTPID>0x8100</OuterTPID>
    <InnerTPID>0x9100</InnerTPID>
    <PeerAS>1</PeerAS>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="L3VPNConfigParameterOrderType">
    <ASOverride>>true</ASOverride>
    <MaximumPrefixes>1</MaximumPrefixes>
  </ServiceOrderParameter>
  <Reference>
    <Customer uri="/api/space/nsas/customer-management/customers/557118"
      href="/api/space/nsas/customer-management/customers/557118" key="557118"
    />
    <ServiceDefinition>
      <ServiceDefinitionID
        uri="/api/space/nsas/l3vpn/service-management/service-definitions/425984"

href="/api/space/nsas/l3vpn/service-management/service-definitions/425984"
        key="425984" />
      </ServiceDefinition>
    </Reference>
  </ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>L3UnitTestAPI2</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA key="786447" uri="/api/space/nsas/device-roles/pe-devices/786447"
            href="/api/space/nsas/device-roles/pe-devices/786447">
            <DeviceName>junos-mx240-space</DeviceName>
            <DeviceID>786447</DeviceID>
          </NA>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/9</InterfaceName>
          <InterfaceIndex>525</InterfaceIndex>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="L3VPNFMGBGP endPointConfigParameterOrderType">
            <UNIDescription>a-End</UNIDescription>
            <EthernetOption>Dot1Q</EthernetOption>
            <AutoPickUnitID>false</AutoPickUnitID>
            <UnitID>171</UnitID>
            <AutoPickVlanID>false</AutoPickVlanID>
            <VlanId>151</VlanId>
            <InterfaceIP AutoPick="true" />
            <IPAddressPool>10.0.99.0/24</IPAddressPool>
            <PeerAS>1</PeerAS>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceEndPointGroup>
    <DeviceInfo>
      <NA key="786568" uri="/api/space/nsas/device-roles/pe-devices/786568"
        href="/api/space/nsas/device-roles/pe-devices/786568">
        <DeviceName>junos-mx80-1-space</DeviceName>
        <DeviceID>786568</DeviceID>
      </NA>
    </DeviceInfo>
  </ServiceResource>
</Data>
```

```

    </NA>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-1/1/0</InterfaceName>
    <InterfaceIndex>522</InterfaceIndex>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="L3VPNFMBGPEndPointConfigParameterOrderType">
      <UNIDescription>z-End</UNIDescription>
      <EthernetOption>QinQ</EthernetOption>
      <AutoPickUnitID>false</AutoPickUnitID>
      <UnitID>21</UnitID>
      <AutoPickVlanID>false</AutoPickVlanID>
      <VlanId>81</VlanId>
      <InterfaceIP AutoPick="true" />
      <IPAddressPool>10.0.99.0/24</IPAddressPool>
      <CustomerVlanType>Transport single vlan</CustomerVlanType>
      <CustomerVlan>70</CustomerVlan>
      <OuterTPID>0x8100</OuterTPID>
      <InnerTPID>0x9100</InnerTPID>
      <PeerAS>1</PeerAS>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="L3VPNConfigParameterOrderType">
    <ASOverride>true</ASOverride>
    <MaximumPrefixes>1</MaximumPrefixes>
  </ServiceOrderParameter>
  <Reference>
    <Customer uri="/api/space/nsas/customer-management/customers/557118"
      href="/api/space/nsas/customer-management/customers/557118" key="557118"
    />
  <ServiceDefinition>
    <ServiceDefinitionID
      uri="/api/space/nsas/l3vpn/service-management/service-definitions/425984"

href="/api/space/nsas/l3vpn/service-management/service-definitions/425984"
      key="425984" />
    </ServiceDefinition>

```

```
    </Reference>
  </ServiceOrder>
</ServiceResource>
</Data>
```

Get an MVPN Service By Service ID

This request is used to retrieve the details of a particular MVPN service.

| | |
|-------------|--|
| URI | api/space/nsas/l3vpn/service-management/ services/<serviceId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service+xml;version=2 |
| Produces | Collects the details of a specific MVPN service. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service href="/api/space/nsas/l3vpn/service-management/services/3768471"
      uri="/api/space/nsas/l3vpn/service-management/services/3768471"
      key="3768471">
      <Common>
        <Name>tes_miver</Name>
        <Identity>3768471</Identity>
        <State>Deployed</State>
        <Comments>ter</Comments>
```

```

    <CreateDate>2013-09-13T15:28:12.000+05:30</CreateDate>
    <LastUpdatedDate>2013-09-13T15:28:12.000+05:30</LastUpdatedDate>
  </Common>
  <ServiceType>L3VPN</ServiceType>
  <AuditFlag>
    <FunctionalAudit>Pending</FunctionalAudit>
    <FaultStatus>None</FaultStatus>
    <SLAStatus>None</SLAStatus>
  </AuditFlag>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <NA href="/api/space/nsas/device-roles/pe-devices/3440703"
uri="/api/space/nsas/device-roles/pe-devices/3440703"
      key="3440703">
        <DeviceName>embassy</DeviceName>
        <DeviceID>3440703</DeviceID>
      </NA>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-1/1/8</InterfaceName>
      <InterfaceIndex>530</InterfaceIndex>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOspfEndPointConfigParameterServiceType">
        <RoutingProtocol>OSPF</RoutingProtocol>
        <EthernetOption>Vlan</EthernetOption>
        <VlanId>2</VlanId>
        <InterfaceIP>10.0.77.21</InterfaceIP>
        <RouteDistinguisher>100:47349771</RouteDistinguisher>
        <OSPFAreaId>0.0.0.0</OSPFAreaId>
        <OSPFVersion>Ver 2</OSPFVersion>
      </ServiceEndpointConfiguration>
      <ServiceTemplates />
    <MVPNSettings>
      <PIMSettings>
        <PIMMode>sparse</PIMMode>
        <Interface>ge-1/1/8.2 lo0.29</Interface>
        <RPAddress>
          <Device>
            <NA href="/api/space/nsas/device-roles/pe-devices/3440699"
uri="/api/space/nsas/device-roles/pe-devices/3440699" key="3440699">

```

```

        <DeviceName>jaipur</DeviceName>
        <DeviceID>3440699</DeviceID>
    </NA>
</Device>
<Interface>lo0.29</Interface>
</RPAAddress>
</PIMSettings>
<MVPNSetting>
    <MVPNTType>NG-MVPN</MVPNTType>
    <MVPNMode>rpt-spt</MVPNMode>
    <ProviderTunnelType>RSVP-TE</ProviderTunnelType>
    <RSVPLSPName>P2MP_API_Test_Path</RSVPLSPName>
    <UpstreamMCHop>>false</UpstreamMCHop>
    <ImportTarget>
        <UnicastTarget>>false</UnicastTarget>
        <Sender>>false</Sender>
        <Receiver>>false</Receiver>
        <TargetSender>>false</TargetSender>
        <TargetReceiver>>false</TargetReceiver>
    </ImportTarget>
    <ExportTarget>
        <UnicastTarget>>false</UnicastTarget>
        <AutoPickRT>>true</AutoPickRT>
    </ExportTarget>
</MVPNSetting>
</MVPNSettings>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA href="/api/space/nsas/device-roles/pe-devices/3440703"
uri="/api/space/nsas/device-roles/pe-devices/3440703"
        key="3440703">
            <DeviceName>embassy</DeviceName>
            <DeviceID>3440703</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>lo0</InterfaceName>
        <InterfaceIndex>6</InterfaceIndex>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

```

```

xsi:type="L3VPNFMOSPFEndPointConfigParameterServiceType">
  <RoutingProtocol>OSPF</RoutingProtocol>
  <EthernetOption>Vlan</EthernetOption>
  <VlanId>0</VlanId>
  <UnitID>29</UnitID>
  <InterfaceIP>10.0.88.13</InterfaceIP>
  <RouteDistinguisher>100:47349771</RouteDistinguisher>
  <OSPFAreaId>0.0.0.0</OSPFAreaId>
  <OSPFVersion>Ver 2</OSPFVersion>
</ServiceEndpointConfiguration>
<ServiceTemplates />
<MVPNSettings>
  <PIMSettings>
    <PIMMode>sparse</PIMMode>
    <Interface>ge-1/1/8.2 lo0.29</Interface>
    <RPAddress>
      <Device>
        <NA href="/api/space/nsas/device-roles/pe-devices/3440699"
          uri="/api/space/nsas/device-roles/pe-devices/3440699" key="3440699">

          <DeviceName>jaipur</DeviceName>
          <DeviceID>3440699</DeviceID>
        </NA>
      </Device>
      <Interface>lo0.29</Interface>
    </RPAddress>
  </PIMSettings>
  <MVPNSetting>
    <MVPNTType>NG-MVPN</MVPNTType>
    <MVPNMode>rpt-spt</MVPNMode>
    <ProviderTunnelType>RSVP-TE</ProviderTunnelType>
    <RSVPLSPName>P2MP_API_Test_Path</RSVPLSPName>
    <UpstreamMCHop>>false</UpstreamMCHop>
    <ImportTarget>
      <UnicastTarget>>false</UnicastTarget>
      <Sender>>false</Sender>
      <Receiver>>false</Receiver>
      <TargetSender>>false</TargetSender>
      <TargetReceiver>>false</TargetReceiver>
    </ImportTarget>
    <ExportTarget>
      <UnicastTarget>>false</UnicastTarget>

```

```

        <AutoPickRT>true</AutoPickRT>
    </ExportTarget>
</MVPNSetting>
</MVPNSettings>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA href="/api/space/nsas/device-roles/pe-devices/3440699"
uri="/api/space/nsas/device-roles/pe-devices/3440699"
        key="3440699">
            <DeviceName>jaipur</DeviceName>
            <DeviceID>3440699</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/0/3</InterfaceName>
        <InterfaceIndex>795</InterfaceIndex>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOSPFEndPointConfigParameterServiceType">
            <RoutingProtocol>OSPF</RoutingProtocol>
            <EthernetOption>Vlan</EthernetOption>
            <VlanId>6</VlanId>
            <InterfaceIP>10.0.77.25</InterfaceIP>
            <RouteDistinguisher>100:47349772</RouteDistinguisher>
            <OSPFAreaId>0.0.0.0</OSPFAreaId>
            <OSPFVersion>Ver 2</OSPFVersion>
        </ServiceEndpointConfiguration>
        <ServiceTemplates />
    </ServiceEndPoint>
</MVPNSettings>
<PIMSettings>
    <PIMMode>sparse</PIMMode>
    <Interface>ge-0/0/3.6 lo0.29</Interface>
    <RPAddress>
        <Device>
            <NA href="/api/space/nsas/device-roles/pe-devices/3440699"
uri="/api/space/nsas/device-roles/pe-devices/3440699" key="3440699">

                <DeviceName>jaipur</DeviceName>
                <DeviceID>3440699</DeviceID>
            </NA>

```

```

        </Device>
        <Interface>lo0.29</Interface>
    </RPAddress>
</PIMSettings>
<MVPNSetting>
    <MVPNType>NG-MVPN</MVPNType>
    <UpstreamMCHop>false</UpstreamMCHop>
    <ImportTarget>
        <UnicastTarget>false</UnicastTarget>
        <Sender>false</Sender>
        <Receiver>false</Receiver>
        <TargetSender>false</TargetSender>
        <TargetReceiver>false</TargetReceiver>
    </ImportTarget>
    <ExportTarget>
        <UnicastTarget>false</UnicastTarget>
        <AutoPickRT>true</AutoPickRT>
    </ExportTarget>
</MVPNSetting>
</MVPNSettings>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <NA href="/api/space/nsas/device-roles/pe-devices/3440699"
uri="/api/space/nsas/device-roles/pe-devices/3440699"
        key="3440699">
            <DeviceName>jaipur</DeviceName>
            <DeviceID>3440699</DeviceID>
        </NA>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>lo0</InterfaceName>
        <InterfaceIndex>6</InterfaceIndex>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="L3VPNFMOspfEndPointConfigParameterServiceType">
            <RoutingProtocol>OSPF</RoutingProtocol>
            <EthernetOption>Vlan</EthernetOption>
            <VlanId>0</VlanId>
            <UnitID>29</UnitID>
            <InterfaceIP>10.0.88.14</InterfaceIP>

```

```

<RouteDistinguisher>100:47349772</RouteDistinguisher>
<OSPFAreaId>0.0.0.0</OSPFAreaId>
<OSPFVersion>Ver 2</OSPFVersion>
</ServiceEndpointConfiguration>
<ServiceTemplates />
<MVPNSettings>
  <PIMSettings>
    <PIMMode>sparse</PIMMode>
    <Interface>ge-0/0/3.6 lo0.29</Interface>
    <RPAAddress>
      <Device>
        <NA href="/api/space/nsas/device-roles/pe-devices/3440699"
          uri="/api/space/nsas/device-roles/pe-devices/3440699" key="3440699">

          <DeviceName>jaipur</DeviceName>
          <DeviceID>3440699</DeviceID>
        </NA>
      </Device>
      <Interface>lo0.29</Interface>
    </RPAAddress>
  </PIMSettings>
  <MVPNSetting>
    <MVPNTType>NG-MVPN</MVPNTType>
    <UpstreamMCHop>>false</UpstreamMCHop>
    <ImportTarget>
      <UnicastTarget>>false</UnicastTarget>
      <Sender>>false</Sender>
      <Receiver>>false</Receiver>
      <TargetSender>>false</TargetSender>
      <TargetReceiver>>false</TargetReceiver>
    </ImportTarget>
    <ExportTarget>
      <UnicastTarget>>false</UnicastTarget>
      <AutoPickRT>>true</AutoPickRT>
    </ExportTarget>
  </MVPNSetting>
</MVPNSettings>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="L3VPNConfigParameterServiceType">
  <RouteTarget>100:2</RouteTarget>

```

```

    <VRFTabelLabel>Enabled</VRFTabelLabel>
  </ServiceParameters>
  <Reference>
    <ServiceOrder key="3768422"
      href="/api/space/nsas/l3vpn/service-management/service-orders/3768422"
      uri="/api/space/nsas/l3vpn/service-management/service-orders/3768422"
    />
    <ServiceDefinition>
      <ServiceDefinitionID key="425998"
        href="/api/space/nsas/l3vpn/service-management/service-definitions/425998"
        uri="/api/space/nsas/l3vpn/service-management/service-definitions/425998"
      />
    </ServiceDefinition>
    <Customer key="3440819"
      href="/api/space/nsas/customer-management/customers/3440819"
      uri="/api/space/nsas/customer-management/customers/3440819" />
    </Reference>
  </Service>
</ServiceResource>
</Data>

```

Modify an MVPN Service

This request is used to modify an MVPN service for service name and endpoint information.

| | |
|--------------|---|
| URI | api/space/nsas/l3vpn/service-management/ services/{service-Id} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management. modify-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml;version=2 |

Produces

Modifies an MVPN service with updates to service name and endpoint details.

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <EnableMVPN>true</EnableMVPN>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <NA href="/api/space/nsas/device-roles/pe-devices/3440703"
uri="/api/space/nsas/device-roles/pe-devices/3440703"
key="3440703">
            <DeviceName>embassy</DeviceName>
            <DeviceID>3440703</DeviceID>
          </NA>
        </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-1/1/8</InterfaceName>
        <MVPNSettings>
          <PIMSettings>
            <RPAddress>
              <Device>
                <NA>
                  <DeviceName>jaipur</DeviceName>
                  <DeviceID>3440699</DeviceID>
                </NA>
              </Device>
            <Interface>lo0</Interface>
            </RPAddress>
            <RPAddress>
              <Device>
                <NA>
                  <DeviceName>embassy</DeviceName>
                  <DeviceID>3440703</DeviceID>
                </NA>
              </Device>
            <Interface>ge-1/1/1</Interface>
```

```

        </RPAddress>
    </PIMSettings>
    </MVPNSettings>
    </ServiceEndPoint>
    </ServiceEndPointGroup>
    </ServiceOrder>
    </ServiceResource>
</Data>

```

Bulk Decommission MVPN Services

This request is used to decommission previously created services in a bulk operation..

| | |
|--------------|--|
| URI | api/space/nsas/l3vpn/service-management/ services/{serviceld} |
| HTTP Method | DELETE |
| Content-Type | application/vnd.net.juniper.space.service-management.service+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml |
| Produces | Performs a single-step, wholesale decommissioning of previously created services. |

Input (Bulk Decommission Immediately)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
    <Identity>
    <Type>Service</Type>

```

```

    <Value>1085688</Value>
      </Identity>
      <Identity>
    <Type>Service</Type>
    <Value>1085713</Value>
      </Identity>
      <Identity>
    <Type>Service</Type>
    <Value>1085724</Value>
      </Identity>
      <CustomAction xsi:type="ServiceCustomActionType">
        <Action>DecommissionNow</Action>
      </CustomAction>
    </Data>

```

Input (Bulk Decommission Later)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
  <Identity>
    <Type>Service</Type>
    <Value>1085688</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085713</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085724</Value>
  </Identity>

  <CustomAction xsi:type="ServiceCustomActionType">
    <Action>DecommissionLater</Action>
    <ScheduledDateTime>
2014-11-12T12:15:18.000</ScheduledDateTime>
  </CustomAction>
</Data>

```

```

        </CustomAction>
    </Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1638623</Value>
    </Identity>
    <Job>
      <ID>622760</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service Decommission was Successfully triggered. Please check
the status using the JOB ID.</Message>
  </Status>
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1638634</Value>
    </Identity>
    <Job>
      <ID>622761</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service Decommission was Successfully triggered. Please check
the status using the JOB ID.</Message>
  </Status>
</Data>

```

Deactivation of an MVPN Service

This request is used to deactivate a previously created service.

| | |
|--------------|---|
| URI | api/space/nsas/l3vpn/service-management/services/{serviceId} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service.deactivate-service+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml |
| Produces | Deactivates a previously created service. |

Input (Deactivation Immediately)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
  <CustomAction xsi:type="ServiceCustomActionType">
    <Action>DeActivateNow </Action>
  </CustomAction>
</Data>
```

Input (Deactivation Later)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
  <CustomAction xsi:type="ServiceCustomActionType">
    <Action>DeActivateLater</Action>
```

```

<ScheduledDateTime>2014-11-12T12:15:18.000</ScheduledDateTime>
    </CustomAction>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1638634</Value>
    </Identity>
    <Job>
      <ID>622698</ID>
      <Status>SCHEDULED</Status>
    </Job>
    <Code>200</Code>
    <Message>Service DeActivate was Successfully triggered. Please check
the status using the JOB ID.</Message>
  </Status>
</Data>

```

Bulk Deactivation of MVPN Services

This request is used to deactivate previously created services in a bulk operation.

| | |
|--------------|---|
| URI | api/space/nsas/l3vpn/service-management/ services/{serviceId} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. services.deactivate-services+xml |

| | |
|----------|---|
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml |
| Produces | Performs a single-step deactivation of previously created services. |

Input (Bulk Deactivation Immediately)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
  <Identity>
    <Type>Service</Type>
    <Value>1085688</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085713</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085724</Value>
  </Identity>
  <CustomAction xsi:type="ServiceCustomActionType">
    <Action>DeActivateNow </Action>
  </CustomAction>
</Data>
```

Input (Bulk Deactivation Later)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
  <Identity>
```

```

<Type>Service</Type>
<Value>1085688</Value>
    </Identity>
    <Identity>
<Type>Service</Type>
<Value>1085713</Value>
    </Identity>
    <Identity>
<Type>Service</Type>
<Value>1085724</Value>
    </Identity>

    <CustomAction xsi:type="ServiceCustomActionType">
        <Action>DeActivateLater</Action>
        <ScheduledDateTime>
2014-11-12T12:15:18.000</ScheduledDateTime>
    </CustomAction>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1638623</Value>
    </Identity>
    <Job>
      <ID>622735</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service DeActivate was Successfully triggered. Please check
the status using the JOB ID.</Message>
  </Status>
  <Status>
    <Identity>

```

```
<Type>Service</Type>
<Value>1638634</Value>
</Identity>
<Job>
  <ID>622740</ID>
  <Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>Service DeActivate was Successfully triggered. Please check
the status using the JOB ID.</Message>
</Status>
</Data>
```

Reactivation of an MVPN Service

This request is used to reactivate a previously created service.

| | |
|--------------|---|
| URI | api/space/nsas/l3vpn/service-management/ services/{serviceld} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service.reactivate-service+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml |
| Produces | Reactivates a previously created service. |

Input (Reactivation Immediately)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
```

```

REST_Data_Model.xsd">
    <CustomAction xsi:type="ServiceCustomActionType">
        <Action>ReActivateNow </Action>
    </CustomAction>
</Data>

```

Input (Reactivation Later)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
    <CustomAction xsi:type="ServiceCustomActionType">
        <Action>ReActivateLater</Action>
        <ScheduledDateTime></ScheduledDateTime>
    </CustomAction>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
        <Identity>
            <Type>Service</Type>
            <Value>1638634</Value>
        </Identity>
        <Job>
            <ID>622718</ID>
            <Status>SCHEDULED</Status>
        </Job>
        <Code>200</Code>
        <Message>Service ReActivate was Successfully triggered. Please check

```

```

the status using the JOB ID.</Message>
  </Status>
</Data>

```

Bulk Reactivation of MVPN Services

This request is used to reactivate previously created services in a bulk operation.

| | |
|--------------|---|
| URI | api/space/nsas/l3vpn/service-management/ services/{serviceId} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. services.reactivate-services+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml |
| Produces | Performs a single-step reactivation of previously created services. |

Input (Bulk Reactivation Immediately)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
  <Identity>
    <Type>Service</Type>
    <Value>1085688</Value>
  </Identity>
  <Identity>
    <Type>Service</Type>
    <Value>1085713</Value>
  </Identity>

```

```

        <Identity>
        <Type>Service</Type>
        <Value>1085724</Value>
        </Identity>
        <CustomAction xsi:type="ServiceCustomActionType">
            <Action>ReActivateNow </Action>
        </CustomAction>
    </Data>

```

Input (Bulk Reactivation Later)

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
    <Identity>
    <Type>Service</Type>
    <Value>1085688</Value>
    </Identity>
    <Identity>
    <Type>Service</Type>
    <Value>1085713</Value>
    </Identity>
    <Identity>
    <Type>Service</Type>
    <Value>1085724</Value>
    </Identity>

    <CustomAction xsi:type="ServiceCustomActionType">
        <Action>ReActivateLater</Action>
        <ScheduledDateTime>
2014-11-12T12:15:18.000</ScheduledDateTime>
    </CustomAction>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1638623</Value>
    </Identity>
    <Job>
      <ID>622745</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service ReActivate was Successfully triggered. Please check
the status using the JOB ID.</Message>
  </Status>
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1638634</Value>
    </Identity>
    <Job>
      <ID>622750</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service ReActivate was Successfully triggered. Please check
the status using the JOB ID.</Message>
  </Status>
</Data>

```

Decommission an MVPN Service Immediately

This request is used to decommission a previously created MVPN service immediately.

| | |
|--------------|--|
| URI | api/space/nsas/l3vpn/service-management/ services/{serviceld} |
| HTTP Method | DELETE |
| Content-Type | application/vnd.net.juniper.space.service-management.service+xml |

Produces

Decommissions a previously created MVPN service immediately.

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">

      <CustomAction
xsi:type="ServiceCustomActionType">

      <Action>DecommissionLater</Action>

      <ScheduledDateTime></ScheduledDateTime>

      </CustomAction>

</Data>
```

Output

Sample XML Output

Layer 2 Ethernet Devices and Tagging Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director Layer 2 Ethernet (L2E) Devices and Tagging Management RESTful Web Services.

Get All L2E Devices

This request is used to collect all the L2E devices.

| | |
|-------------|--|
| URI | api/space/nsas/device-roles/l2e-devices |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.device-roles.l2e-devices+xml |
| Produces | Retrieves all the L2E devices that are managed and provisioned by the application. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Devices size="2">
      <Device key="2031622"
uri="/api/space/nsas/device-roles/l2e-devices/2031622"
href="/api/space/nsas/device-roles/l2e-devices/2031622">
        <Common>
          <Name>embassy</Name>
          <Identity>2031622</Identity>
        </Common>
        <Role>L2E</Role>
        <MEId>1999069</MEId>
      </Device>
      <Device key="1802246"
uri="/api/space/nsas/device-roles/l2e-devices/1802246"
href="/api/space/nsas/device-roles/l2e-devices/1802246">
        <Common>
          <Name>exora</Name>
          <Identity>1802246</Identity>
        </Common>
        <Role>L2E</Role>
        <MEId>1737102</MEId>
      </Device>
    </Devices>
  </Data>
</pre>
```

```
</Devices>
</Data>
```

Get L2E Devices By Device ID

This request is used to retrieve a L2E device based on the device ID.

| | |
|-------------|--|
| URI | api/space/nsas/device-roles/l2e-devices/<l2e-deviceID> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.device-roles.l2e-devices+xml |
| Produces | Retrieves the L2E device based on the device ID. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Devices>
      <Device key="2031622"
uri="/api/space/nsas/device-roles/l2e-devices/2031622"
href="/api/space/nsas/device-roles/l2e-devices/2031622">
        <Common>
          <Name>embassy</Name>
          <Identity>2031622</Identity>
        </Common>
        <ManagementAddress>10.216.114.109</ManagementAddress>
        <LoopBackAddress>50.1.2.4</LoopBackAddress>
        <EMSDeviceIdentifier>1835166</EMSDeviceIdentifier>
        <Role>L2E</Role>
        <MEId>1999069</MEId>
        <Ports>
          <Port>
            <Name>xe-0/0/0</Name>
```

```
<Id>2031624</Id>
<AdminStatus>down</AdminStatus>
<Encapsulation>none</Encapsulation>
<InterfaceIndex>512</InterfaceIndex>
</Port>
<Port>
<Name>xe-0/0/1</Name>
<Id>2031625</Id>
<AdminStatus>up</AdminStatus>
<Encapsulation>none</Encapsulation>
<InterfaceIndex>513</InterfaceIndex>
</Port>
<Port>
<Name>xe-0/0/2</Name>
<Id>2031626</Id>
<AdminStatus>up</AdminStatus>
<Encapsulation>none</Encapsulation>
<InterfaceIndex>514</InterfaceIndex>
</Port>
<Port>
<Name>xe-0/0/3</Name>
<Id>2031627</Id>
<AdminStatus>up</AdminStatus>
<Encapsulation>none</Encapsulation>
<InterfaceIndex>515</InterfaceIndex>
</Port>
<Port>
<Name>ge-1/0/2</Name>
<Id>2031628</Id>
<AdminStatus>down</AdminStatus>
<Encapsulation>none</Encapsulation>
<InterfaceIndex>520</InterfaceIndex>
</Port>
<Port>
<Name>ge-1/0/3</Name>
<Id>2031629</Id>
<AdminStatus>down</AdminStatus>
<Encapsulation>none</Encapsulation>
<InterfaceIndex>521</InterfaceIndex>
</Port>
<Port>
<Name>ge-1/0/4</Name>
```

```

<Id>2031630</Id>
<AdminStatus>up</AdminStatus>
<Encapsulation>none</Encapsulation>
<InterfaceIndex>522</InterfaceIndex>
</Port>
<Port>
<Name>ge-1/0/5</Name>
<Id>2031631</Id>
<AdminStatus>up</AdminStatus>
<Encapsulation>extended-vlan-ccc</Encapsulation>
<InterfaceIndex>523</InterfaceIndex>
</Port>
<Port>
<Name>ge-1/0/6</Name>
<Id>2031632</Id>
<AdminStatus>up</AdminStatus>
<Encapsulation>flexible-ethernet-services</Encapsulation>
<InterfaceIndex>525</InterfaceIndex>
</Port>
<Port>
<Name>ge-1/0/7</Name>
<Id>2031633</Id>
<AdminStatus>up</AdminStatus>
<Encapsulation>none</Encapsulation>
<InterfaceIndex>526</InterfaceIndex>
</Port>
<Port>
<Name>ge-1/0/8</Name>
<Id>2031634</Id>
<AdminStatus>up</AdminStatus>
<Encapsulation>none</Encapsulation>
<InterfaceIndex>528</InterfaceIndex>
</Port>
<Port>
<Name>ge-1/0/9</Name>
<Id>2031635</Id>
<AdminStatus>up</AdminStatus>
<Encapsulation>none</Encapsulation>
<InterfaceIndex>529</InterfaceIndex>
</Port>
<Port>
<Name>ge-1/1/0</Name>

```

```
<Id>2031636</Id>
<AdminStatus>up</AdminStatus>
<Encapsulation>none</Encapsulation>
<InterfaceIndex>531</InterfaceIndex>
</Port>
<Port>
<Name>ge-1/1/1</Name>
<Id>2031637</Id>
<AdminStatus>up</AdminStatus>
<Encapsulation>none</Encapsulation>
<InterfaceIndex>532</InterfaceIndex>
</Port>
<Port>
<Name>ge-1/1/2</Name>
<Id>2031638</Id>
<AdminStatus>up</AdminStatus>
<Encapsulation>none</Encapsulation>
<InterfaceIndex>533</InterfaceIndex>
</Port>
<Port>
<Name>ge-1/1/3</Name>
<Id>2031639</Id>
<AdminStatus>up</AdminStatus>
<Encapsulation>none</Encapsulation>
<InterfaceIndex>534</InterfaceIndex>
</Port>
<Port>
<Name>ge-1/1/4</Name>
<Id>2031640</Id>
<AdminStatus>up</AdminStatus>
<Encapsulation>none</Encapsulation>
<InterfaceIndex>535</InterfaceIndex>
</Port>
<Port>
<Name>ge-1/1/5</Name>
<Id>2031641</Id>
<AdminStatus>up</AdminStatus>
<Encapsulation>none</Encapsulation>
<InterfaceIndex>536</InterfaceIndex>
</Port>
<Port>
<Name>ge-1/1/6</Name>
```

```
<Id>2031642</Id>
<AdminStatus>down</AdminStatus>
<Encapsulation>none</Encapsulation>
<InterfaceIndex>537</InterfaceIndex>
</Port>
<Port>
<Name>ge-1/1/7</Name>
<Id>2031643</Id>
<AdminStatus>up</AdminStatus>
<Encapsulation>none</Encapsulation>
<InterfaceIndex>538</InterfaceIndex>
</Port>
<Port>
<Name>ge-1/1/8</Name>
<Id>2031644</Id>
<AdminStatus>down</AdminStatus>
<Encapsulation>none</Encapsulation>
<InterfaceIndex>539</InterfaceIndex>
</Port>
<Port>
<Name>ge-1/1/9</Name>
<Id>2031645</Id>
<AdminStatus>up</AdminStatus>
<Encapsulation>none</Encapsulation>
<InterfaceIndex>540</InterfaceIndex>
</Port>
<Port>
<Name>xe-1/2/0</Name>
<Id>2031646</Id>
<AdminStatus>down</AdminStatus>
<Encapsulation>none</Encapsulation>
<InterfaceIndex>543</InterfaceIndex>
</Port>
<Port>
<Name>xe-1/3/0</Name>
<Id>2031647</Id>
<AdminStatus>down</AdminStatus>
<Encapsulation>none</Encapsulation>
<InterfaceIndex>544</InterfaceIndex>
</Port>
<Port>
<Name>em0</Name>
```

```

<Id>2031648</Id>
<AdminStatus>up</AdminStatus>
<Encapsulation>none</Encapsulation>
<InterfaceIndex>17</InterfaceIndex>
</Port>
<Port>
<Name>em1</Name>
<Id>2031649</Id>
<AdminStatus>down</AdminStatus>
<Encapsulation>none</Encapsulation>
<InterfaceIndex>23</InterfaceIndex>
</Port>
<Port>
<Name>irb</Name>
<Id>2031650</Id>
<AdminStatus>up</AdminStatus>
<Encapsulation>none</Encapsulation>
<InterfaceIndex>505</InterfaceIndex>
</Port>
</Ports>
<TunnelNames>
<Static>
<LSPTunnelName>embassy-to-jaipur</LSPTunnelName>
<LSPTunnelName>embassy-to-f2100-b</LSPTunnelName>
<LSPTunnelName>embassy-to-amx1100-a</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_50_1_2_3</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_7</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_6</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_1</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_8</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_9</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_17</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_50_1_2_2</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_4</LSPTunnelName>
<LSPTunnelName>FM_LSP15_modify_embassy_to_30_1_2_5</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_16</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_25</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_2</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_11</LSPTunnelName>
</Static>
<NonStatic>
<LSPTunnelName>embassy-to-jaipur</LSPTunnelName>

```

```
<LSPTunnelName>embassy-to-f2100-b</LSPTunnelName>
<LSPTunnelName>embassy-to-amx1100-a</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_50_1_2_3</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_7</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_6</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_1</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_8</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_9</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_17</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_50_1_2_2</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_4</LSPTunnelName>
<LSPTunnelName>FM_LSP15_modify_embassy_to_30_1_2_5</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_16</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_25</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_2</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_11</LSPTunnelName>
</NonStatic>
</TunnelNames>
</Device>
</Devices>
</Data>
```

Get L2E Devices By Device Name

This request is used to retrieve a L2E device based on the device name.

| | |
|-------------|---|
| URI | api/space/nsas/device-roles/l2e-devices/ ?deviceName={Device-Name} |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.device-roles. l2e-devices+xml |
| Produces | Retrieves the L2E device based on the device name. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Devices>
      <Device key="2031622"
uri="/api/space/nsas/device-roles/l2e-devices/embassy"
href="/api/space/nsas/device-roles/l2e-devices/embassy">
        <Common>
          <Name>embassy</Name>
          <Identity>2031622</Identity>
        </Common>
        <Role>L2E</Role>
        <MEId>1999069</MEId>
        <Ports>
          <Port>
            <Name>xe-0/0/0</Name>
            <Id>2031624</Id>
            <AdminStatus>down</AdminStatus>
            <Encapsulation>none</Encapsulation>
          </Port>
          <Port>
            <Name>xe-0/0/1</Name>
            <Id>2031625</Id>
            <AdminStatus>up</AdminStatus>
            <Encapsulation>none</Encapsulation>
          </Port>
          <Port>
            <Name>xe-0/0/2</Name>
            <Id>2031626</Id>
            <AdminStatus>up</AdminStatus>
            <Encapsulation>none</Encapsulation>
          </Port>
          <Port>
            <Name>xe-0/0/3</Name>
            <Id>2031627</Id>
            <AdminStatus>up</AdminStatus>
            <Encapsulation>none</Encapsulation>
          </Port>
          <Port>
            <Name>ge-1/0/2</Name>
            <Id>2031628</Id>
            <AdminStatus>down</AdminStatus>
            <Encapsulation>none</Encapsulation>
          </Port>
        </Ports>
      </Device>
    </Devices>
  </Data>

```

```
</Port>
<Port>
<Name>ge-1/0/3</Name>
<Id>2031629</Id>
<AdminStatus>down</AdminStatus>
<Encapsulation>none</Encapsulation>
</Port>
<Port>
<Name>ge-1/0/4</Name>
<Id>2031630</Id>
<AdminStatus>up</AdminStatus>
<Encapsulation>none</Encapsulation>
</Port>
<Port>
<Name>ge-1/0/5</Name>
<Id>2031631</Id>
<AdminStatus>up</AdminStatus>
<Encapsulation>extended-vlan-ccc</Encapsulation>
</Port>
<Port>
<Name>ge-1/0/6</Name>
<Id>2031632</Id>
<AdminStatus>up</AdminStatus>
<Encapsulation>flexible-ethernet-services</Encapsulation>
</Port>
<Port>
<Name>ge-1/0/7</Name>
<Id>2031633</Id>
<AdminStatus>up</AdminStatus>
<Encapsulation>none</Encapsulation>
</Port>
<Port>
<Name>ge-1/0/8</Name>
<Id>2031634</Id>
<AdminStatus>up</AdminStatus>
<Encapsulation>none</Encapsulation>
</Port>
<Port>
<Name>ge-1/0/9</Name>
<Id>2031635</Id>
<AdminStatus>up</AdminStatus>
<Encapsulation>none</Encapsulation>
```

```
</Port>
<Port>
<Name>ge-1/1/0</Name>
<Id>2031636</Id>
<AdminStatus>up</AdminStatus>
<Encapsulation>none</Encapsulation>
</Port>
<Port>
<Name>ge-1/1/1</Name>
<Id>2031637</Id>
<AdminStatus>up</AdminStatus>
<Encapsulation>none</Encapsulation>
</Port>
<Port>
<Name>ge-1/1/2</Name>
<Id>2031638</Id>
<AdminStatus>up</AdminStatus>
<Encapsulation>none</Encapsulation>
</Port>
<Port>
<Name>ge-1/1/3</Name>
<Id>2031639</Id>
<AdminStatus>up</AdminStatus>
<Encapsulation>none</Encapsulation>
</Port>
<Port>
<Name>ge-1/1/4</Name>
<Id>2031640</Id>
<AdminStatus>up</AdminStatus>
<Encapsulation>none</Encapsulation>
</Port>
<Port>
<Name>ge-1/1/5</Name>
<Id>2031641</Id>
<AdminStatus>up</AdminStatus>
<Encapsulation>none</Encapsulation>
</Port>
<Port>
<Name>ge-1/1/6</Name>
<Id>2031642</Id>
<AdminStatus>down</AdminStatus>
<Encapsulation>none</Encapsulation>
```

```
</Port>
<Port>
<Name>ge-1/1/7</Name>
<Id>2031643</Id>
<AdminStatus>up</AdminStatus>
<Encapsulation>none</Encapsulation>
</Port>
<Port>
<Name>ge-1/1/8</Name>
<Id>2031644</Id>
<AdminStatus>down</AdminStatus>
<Encapsulation>none</Encapsulation>
</Port>
<Port>
<Name>ge-1/1/9</Name>
<Id>2031645</Id>
<AdminStatus>up</AdminStatus>
<Encapsulation>none</Encapsulation>
</Port>
<Port>
<Name>xe-1/2/0</Name>
<Id>2031646</Id>
<AdminStatus>down</AdminStatus>
<Encapsulation>none</Encapsulation>
</Port>
<Port>
<Name>xe-1/3/0</Name>
<Id>2031647</Id>
<AdminStatus>down</AdminStatus>
<Encapsulation>none</Encapsulation>
</Port>
<Port>
<Name>em0</Name>
<Id>2031648</Id>
<AdminStatus>up</AdminStatus>
<Encapsulation>none</Encapsulation>
</Port>
<Port>
<Name>em1</Name>
<Id>2031649</Id>
<AdminStatus>down</AdminStatus>
<Encapsulation>none</Encapsulation>
```

```

</Port>
<Port>
<Name>irb</Name>
<Id>2031650</Id>
<AdminStatus>up</AdminStatus>
<Encapsulation>none</Encapsulation>
</Port>
</Ports>
<TunnelNames>
<Static>
<LSPTunnelName>embassy-to-jaipur</LSPTunnelName>
<LSPTunnelName>embassy-to-f2100-b</LSPTunnelName>
<LSPTunnelName>embassy-to-amx1100-a</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_50_1_2_3</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_7</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_6</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_1</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_8</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_9</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_17</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_50_1_2_2</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_4</LSPTunnelName>
<LSPTunnelName>FM_LSP15_modify_embassy_to_30_1_2_5</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_16</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_25</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_2</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_11</LSPTunnelName>
</Static>
<NonStatic>
<LSPTunnelName>embassy-to-jaipur</LSPTunnelName>
<LSPTunnelName>embassy-to-f2100-b</LSPTunnelName>
<LSPTunnelName>embassy-to-amx1100-a</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_50_1_2_3</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_7</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_6</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_1</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_8</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_9</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_17</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_50_1_2_2</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_4</LSPTunnelName>
<LSPTunnelName>FM_LSP15_modify_embassy_to_30_1_2_5</LSPTunnelName>

```

```
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_16</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_25</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_2</LSPTunnelName>
<LSPTunnelName>FM_LSP15_embassy_to_30_1_2_11</LSPTunnelName>
</NonStatic>
</TunnelNames>
</Device>
</Devices>
</Data>
```

Get All Device Tags

This request is used to collect all the device tags.

| | |
|-------------|--|
| URI | api/space/nsas/na/device-tags/ |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.na.device.tags+xml |
| Produces | Retrieves all the device tags. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Tags size="2">
    <Tag key="4784165" uri="/api/space/nsas/na/device-tags/4784165"
href="/api/space/nsas/na/device-tags/4784165">
      <Name>Device_Tag_Private</Name>
      <Identity>4784165</Identity>
      <AccessType>private</AccessType>
    </Tag>
    <Tag key="4784154" uri="/api/space/nsas/na/device-tags/4784154"
```

```
href="/api/space/nsas/na/device-tags/4784154">
  <Name>Device_Tag_Public</Name>
  <Identity>4784154</Identity>
  <AccessType>public</AccessType>
</Tag>
</Tags>
</Data>
```

Get Device Tags By ID

This request is used to retrieve a device tag based on the tag identifier.

| | |
|-------------|---|
| URI | /api/space/nsas/na/device-tags/{deviceId} |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.na.device.tag+xml |
| Produces | Retrieves the device tag based on the tag ID. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Tags>
    <Tag key="4784165" uri="/api/space/nsas/na/device-tags/4784165"
href="/api/space/nsas/na/device-tags/4784165">
      <Name>Device_Tag_Private</Name>
      <Identity>4784165</Identity>
      <AccessType>private</AccessType>
    </Tag>
    <Devices size="2">
      <Device key="1048588" uri="/api/space/nsas/device-roles/pe-devices/1048588"
href="/api/space/nsas/device-roles/pe-devices/1048588">
```

```
<Common>
  <Name>junos-mx80-1-space</Name>
  <Identity>1048588</Identity>
</Common>
</Device>
<Device key="1048684" uri="/api/space/nsas/device-roles/pe-devices/1048684"
href="/api/space/nsas/device-roles/pe-devices/1048684">
  <Common>
    <Name>fortius-f4000-a</Name>
    <Identity>1048684</Identity>
  </Common>
</Device>
</Devices>
</Tags>
</Data>
```

Get All Service Tags

This request is used to collect all the service tags.

| | |
|-------------|---|
| URI | api/space/nsas/na/service-tags/ |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.na.service.tags+xml |
| Produces | Retrieves all the service tags. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Tags size="2">
    <Tag key="4784187" uri="/api/space/nsas/na/service-tags/4784187"
```

```
href="/api/space/nsas/na/service-tags/4784187">
  <Name>Service_Tag_Private</Name>
  <Identity>4784187</Identity>
  <AccessType>private</AccessType>
</Tag>
<Tag key="4784191" uri="/api/space/nsas/na/service-tags/4784191"
href="/api/space/nsas/na/service-tags/4784191">
  <Name>Service_Tag_Public</Name>
  <Identity>4784191</Identity>
  <AccessType>public</AccessType>
</Tag>
</Tags>
</Data>
```

Get Service Tags By ID

This request is used to retrieve a service tag based on the tag identifier.

| | |
|-------------|--|
| URI | /api/space/nsas/na/service-tags/{serviceId} |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.na.service.tag+xml |
| Produces | Retrieves the service tag based on the tag ID. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Tags>
    <Tag key="4784187" uri="/api/space/nsas/na/service-tags/4784187"
href="/api/space/nsas/na/service-tags/4784187">
      <Name>Service_Tag_Private</Name>
      <Identity>4784187</Identity>
```

```

    <AccessType>private</AccessType>
  </Tag>
  <Services size="2">
    <Service key="4161543"
uri="/api/space/nsas/eline-ptp/service-management/services/4161543"
href="/api/space/nsas/eline-ptp/service-management/services/4161543">
      <Common>
        <Name>p2p_1</Name>
        <Identity>4161543</Identity>
        <State>Deployed</State>
      </Common>
    </Service>
    <Service key="4358184"
uri="/api/space/nsas/l3vpn/service-management/services/4358184"
href="/api/space/nsas/l3vpn/service-management/services/4358184">
      <Common>
        <Name>l3vpn2</Name>
        <Identity>4358184</Identity>
        <State>Deployed</State>
      </Common>
    </Service>
  </Services>
</Tags>
</Data>
```

Get All Service Order Tags

This request is used to collect all the service order tags.

| | |
|-------------|---|
| URI | api/space/nsas/na/service-order-tags/ |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.na.service-order.tags+xml |
| Produces | Retrieves all the service order tags. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Tags size="2">
    <Tag key="4784181" uri="/api/space/nsas/na/service-order-tags/4784181"
href="/api/space/nsas/na/service-order-tags/4784181">
      <Name>SO_Tag_Private</Name>
      <Identity>4784181</Identity>
      <AccessType>private</AccessType>
    </Tag>
    <Tag key="4784175" uri="/api/space/nsas/na/service-order-tags/4784175"
href="/api/space/nsas/na/service-order-tags/4784175">
      <Name>SO_Tag_Public</Name>
      <Identity>4784175</Identity>
      <AccessType>public</AccessType>
    </Tag>
  </Tags>
</Data>
```

Get Service Order Tags By ID

This request is used to retrieve a service order tag based on the tag identifier.

| | |
|-------------|--|
| URI | /api/space/nsas/na/service-order-tags/{sold} |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.na.service-order.tag+xml |
| Produces | Retrieves the service order tag based on the tag ID. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
```

```

    <Tags>
      <Tag key="4784181" uri="/api/space/nsas/na/service-order-tags/4784181"
href="/api/space/nsas/na/service-order-tags/4784181">
        <Name>SO_Tag_Private</Name>
        <Identity>4784181</Identity>
        <AccessType>private</AccessType>
      </Tag>
      <ServiceOrders size="1">
        <ServiceOrder key="4161553"
uri="/api/space/nsas/eline-ptp/service-management/service-orders/4161553"
href="/api/space/nsas/eline-ptp/service-management/service-orders/4161553">
          <Common>
            <Name>p2p_2</Name>
            <Identity>4161553</Identity>
            <State>Failed_Deployed</State>
          </Common>
        </ServiceOrder>
      </ServiceOrders>
    </Tags>
  </Data>

```

Get All Service Definition Tags

This request is used to collect all the service definition tags.

| | |
|-------------|--|
| URI | api/space/nsas/na/sd-tags/ |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.na.sd.tags+xml |
| Produces | Retrieves all the service definition tags. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Tags size="3">
      <Tag key="4784205" uri="/api/space/nsas/na/sd-tags/4784205"
href="/api/space/nsas/na/sd-tags/4784205">
        <Name>SD_Tag_Private</Name>
        <Identity>4784205</Identity>
        <AccessType>private</AccessType>
      </Tag>
      <Tag key="4784201" uri="/api/space/nsas/na/sd-tags/4784201"
href="/api/space/nsas/na/sd-tags/4784201">
        <Name>SD_Tag_Public</Name>
        <Identity>4784201</Identity>
        <AccessType>public</AccessType>
      </Tag>
      <Tag key="6389828" uri="/api/space/nsas/na/sd-tags/6389828"
href="/api/space/nsas/na/sd-tags/6389828">
        <Name>Test_SD_Types</Name>
        <Identity>6389828</Identity>
        <AccessType>private</AccessType>
      </Tag>
    </Tags>
  </Data>
```

Get Service Definition Tags By Tag ID

This request is used to retrieve a service definition tag based on the tag identifier.

| | |
|-------------|---|
| URI | /api/space/nsas/na/sd-tags/{SDId} |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.na.sd.tag+xml |
| Produces | Retrieves the service definition tag based on the tag ID. |

Output

Sample XML Output

```

    <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
    <Data xmlns="services.schema.networkapi.jmp.juniper.net">
      <Tags>
        <Tag key="4784205" uri="/api/space/nsas/na/sd-tags/4784205"
href="/api/space/nsas/na/sd-tags/4784205">
          <Name>SD_Tag_Private</Name>
          <Identity>4784205</Identity>
          <AccessType>private</AccessType>
        </Tag>
        <ServiceDefinitions size="2">
          <ServiceDefinitions key="917504"
uri="/api/space/nsas/cpp/service-management/service-definitions/917504"
href="/api/space/nsas/cpp/service-management/service-definitions/917504">
            <Common>
              <Name>L3VPN_SD</Name>
              <Identity>917504</Identity>
              <State>Published</State>
            </Common>
          </ServiceDefinitions>
          <ServiceDefinitions key="1441795"
uri="/api/space/nsas/cpp/service-management/service-definitions/1441795"
href="/api/space/nsas/cpp/service-management/service-definitions/1441795">
            <Common>
              <Name>Device_Configlet</Name>
              <Identity>1441795</Identity>
              <State>Published</State>
            </Common>
          </ServiceDefinitions>
        </ServiceDefinitions>
      </Tags>
    </Data>

```

RSVP and Static LSP Service Templates Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director Service Templates Management RESTful Web Services for RSVP and static LSP services.

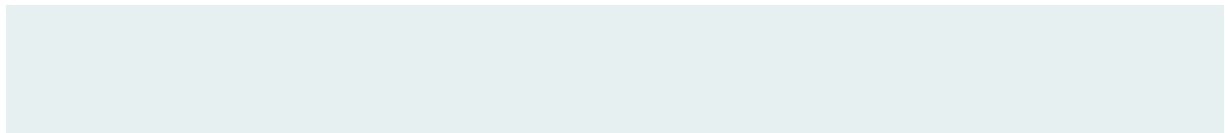
Get All RSVP LSP Service Templates

This request is used to retrieve all the configured RSVP LSP service templates.

| | |
|-------------|---|
| URI | api/space/nsas/rsvp-lsp/service-management/service-templates |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-templates+xml application/vnd.net.juniper.space.service-management.service-templates+json |
| Produces | Collects all the configured RSVP LSP service templates. |

Output

Sample XML Output



Get an RSVP LSP Service Template by Template ID

This request is used to retrieve a specific RSVP LSP service template, based on the template ID.

| | |
|-------------|---|
| URI | api/space/nsas/rsvp-lsp/service-management/service-templates/<templateId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-templates+xml application/vnd.net.juniper.space.service-management.service-templates+json |
| Produces | Retrieves the details of a specific configured RSVP LSP service template. |

Output

Sample XML Output

Get an RSVP LSP Service Template by Service Definition ID

This request is used to retrieve a specific RSVP LSP service template, based on the service definition ID.

| | |
|-------------|---|
| URI | api/space/nsas/rsvp-lsp/service-management/service-definitions/ 295160/serviceTemplates |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-templates+xml application/vnd.net.juniper.space.service-management. service-templates+json |
| Produces | Retrieves the details of a specific configured RSVP LSP service template based on a service definition ID. |

Output

Sample XML Output

| |
|--|
| |
|--|

Get an RSVP LSP Service Order Associated with a Service Template by Service Order ID

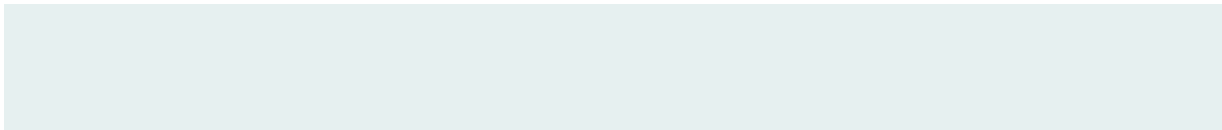
This request is used to retrieve a specific RSVP LSP service order that is attached to a service template, based on the service order ID.

| | |
|-------------|--|
| URI | api/space/nsas/rsvp-lsp/service-management/service-orders/ <ServiceOrderID> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-order+xml |

| | |
|----------|---|
| Produces | Retrieves the details of a specific configured RSVP LSP service order that contains a service template based on a service order ID. |
|----------|---|

Output

Sample XML Output



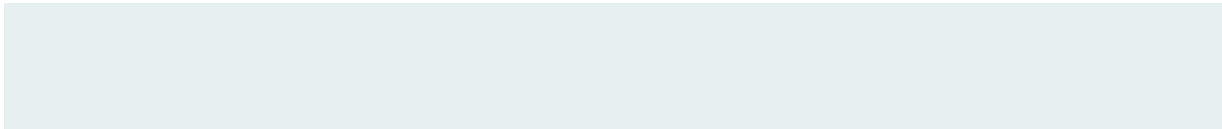
Get an RSVP LSP Service Definition Associated with a Service Template by Service Definition ID

This request is used to retrieve a specific RSVP LSP service definition that is attached to a service template, based on the service definition ID.

| | |
|-------------|---|
| URI | api/space/nsas/rsvp-lsp/service-management/service-definitions/<ServiceDefinitionID> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition+xml application/vnd.net.juniper.space.service-management.service-definition+json |
| Produces | Retrieves the details of a specific configured RSVP LSP service definition that contains a service template based on a service definition ID. |

Output

Sample XML Output



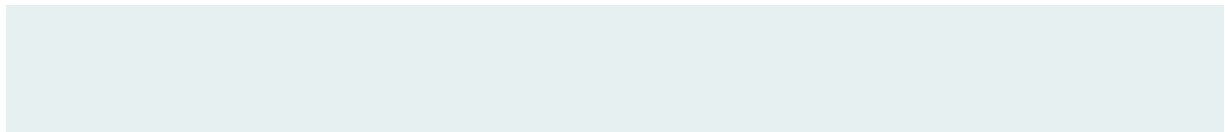
Create a Service Definition Associated with a Service Template

This request is used to create a service definition configured with a service template.

| | |
|--------------|---|
| URI | api/space/nsas/rsvp-lsp/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-definition+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition-status+xml;version=2 |
| Produces | Creates a service definition configured with a service template |

Input

Sample XML Input



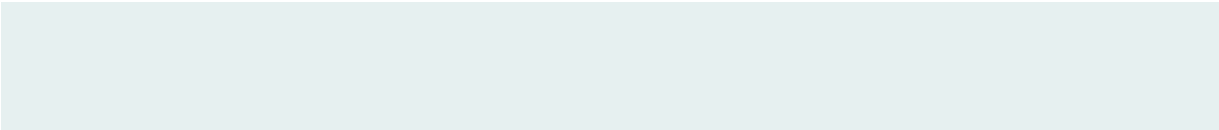
Create a Service Order Associated with a Service Template

This request is used to create a service order configured with a service template.

| | |
|--------------|--|
| URI | api/space/nsas/rsvp-lsp/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-order+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml;version=2 |
| Produces | Creates a service order configured with a service template |

Input

Sample XML Input



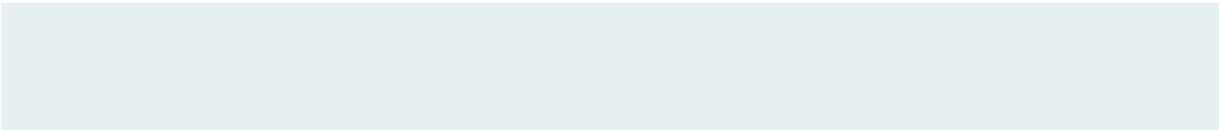
Get an RSVP LSP Service Associated with a Service Template By Service ID

This request is used to retrieve the details of a particular RSVP LSP service that is configured with a service template, based on the service identifier.

| | |
|-------------|---|
| URI | api/space/nsas/rsvp-lsp/service-management/services/<serviceId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management-services+xml |
| Produces | Collects the details of a specific RSVP LSP service that contains a service template. |

Output

Sample XML Output



Modify an RSVP LSP Service Associated with a Service Template

This request is used to modify an RSVP LSP service that contains a service template.

| | |
|--------------|---|
| URI | api/space/nsas/rsvp-lsp/service-management/services/{service-Id} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.modify-service+xml;version=2;charset=UTF-8 |

| | |
|----------|---|
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml;version=2 |
| Produces | Modifies an RSVP LSP service that contains a service template. |

Input

Sample XML Input

Get All Static LSP Service Templates

This request is used to retrieve all the configured Static LSP service templates.

| | |
|-------------|---|
| URI | api/space/nsas/static-lsp/service-management/service-templates |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-templates+xml application/vnd.net.juniper.space.service-management.service-templates+json |
| Produces | Collects all the configured Static LSP service templates. |

Output

Sample XML Output

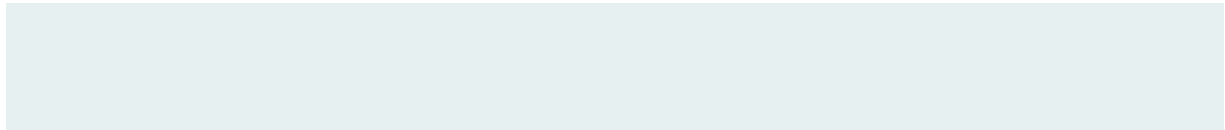
Get an Static LSP Service Template by Template ID

This request is used to retrieve a specific Static LSP service template, based on the template ID.

| | |
|-------------|---|
| URI | api/space/nsas/static-lsp/service-management/service-templates/<templateId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-templates+xml application/vnd.net.juniper.space.service-management.service-templates+json |
| Produces | Retrieves the details of a specific configured Static LSP service template. |

Output

Sample XML Output



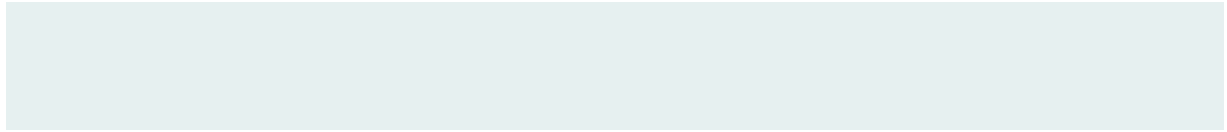
Get an Static LSP Service Template by Service Definition ID

This request is used to retrieve a specific Static LSP service template, based on the service definition ID.

| | |
|-------------|---|
| URI | api/space/nsas/static-lsp/service-management/service-definitions/295160/serviceTemplates |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-templates+xml application/vnd.net.juniper.space.service-management.service-templates+json |
| Produces | Retrieves the details of a specific configured Static LSP service template based on a service definition ID. |

Output

Sample XML Output



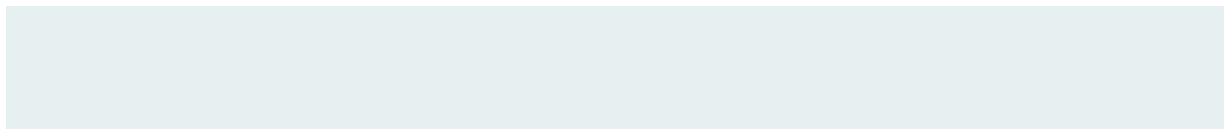
Get an Static LSP Service Order Associated with a Service Template by Service Order ID

This request is used to retrieve a specific Static LSP service order that is attached to a service template, based on the service order ID.

| | |
|-------------|---|
| URI | api/space/nsas/static-lsp/service-management/service-orders/<ServiceOrderID> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Retrieves the details of a specific configured Static LSP service order that contains a service template based on a service order ID. |

Output

Sample XML Output



Get an Static LSP Service Definition Associated with a Service Template by Service Definition ID

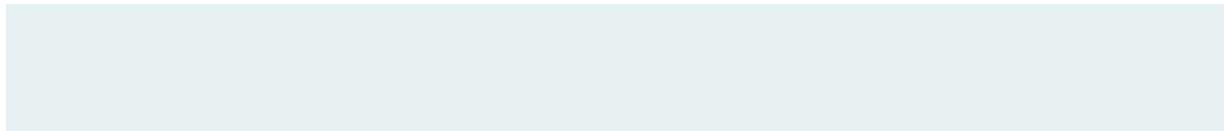
This request is used to retrieve a specific Static LSP service definition that is attached to a service template, based on the service definition ID.

| | |
|-------------|--|
| URI | api/space/nsas/static-lsp/service-management/service-definitions/<ServiceDefinitionID> |
| HTTP Method | GET |

| | |
|----------|---|
| Consumes | application/vnd.net.juniper.space.service-management. service-definition+xml application/vnd.net.juniper.space.service-management. service-definition+json |
| Produces | Retrieves the details of a specific configured Static LSP service definition that contains a service template based on a service definition ID. |

Output

Sample XML Output



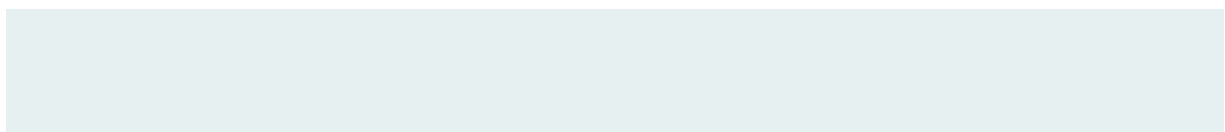
Create a Service Definition Associated with a Service Template

This request is used to create a service definition configured with a service template.

| | |
|--------------|---|
| URI | api/space/nsas/static-lsp/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-definition+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition-status+xml;version=2 |
| Produces | Creates a service definition configured with a service template |

Input

Sample XML Input



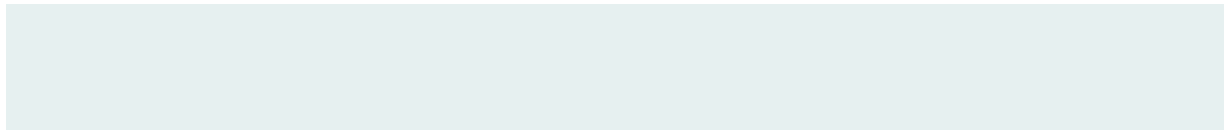
Create a Service Order Associated with a Service Template

This request is used to create a service order configured with a service template.

| | |
|--------------|--|
| URI | api/space/nsas/static-lsp/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-order+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml;version=2 |
| Produces | Creates a service order configured with a service template |

Input

Sample XML Input



Get an Static LSP Service Associated with a Service Template By Service ID

This request is used to retrieve the details of a particular Static LSP service that is configured with a service template, based on the service identifier.

| | |
|-------------|--|
| URI | api/space/nsas/static-lsp/service-management/ services/<serviceId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. services+xml |
| Produces | Collects the details of a specific Static LSP service that contains a service template. |

Output

Sample XML Output

Modify an Static LSP Service Associated with a Service Template

This request is used to modify an Static LSP service that contains a service template.

| | |
|--------------|---|
| URI | api/space/nsas/static-lsp/service-management/ services/{service-Id} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management. modify-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml;version=2 |
| Produces | Modifies an Static LSP service that contains a service template. |

Input

Sample XML Input

Get LSP Service Details with Endpoints Paginated

This request is used to modify IP Services Management RESTful Web ServicesLSP service details with endpoints paginated.

| | |
|-------------|---|
| URI | /api/space/nsas/rsvp-lsp/service-management/ services/{service-Id} |
| HTTP Method | GET |

| | |
|--------------|---|
| Content-Type | application/vnd.net.juniper.space.service-management. modify.service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml;version=2 |
| Produces | Modifies an LSP service details with endpoints paginated. |

Output

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="true"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service href="/api/space/nsas/rsvp-lsp/service-management/services/524325"
      uri="/api/space/nsas/rsvp-lsp/service-management/services/524325"
      key="524325">
      <Common>
        <Name>LSP_002</Name>
        <Identity>524325</Identity>
        <State>Deployed</State>
        <CreatedDate>2016-06-16T11:05:07.000+05:30</CreatedDate>
        <LastUpdatedDate>2016-06-16T18:36:33.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>LSP</ServiceType>
      <LSPPattern
        href="/api/space/nsas/lsp-pattern/service-management/service-patterns/134"
        uri="/api/space/nsas/lsp-pattern/service-management/service-patterns/134"
        key="134">
        <PatternName>Default LSP Pattern</PatternName>
        <PatternID>134</PatternID>
        <PatternTemplate>$Name_to_$EgressLoopbackAddress</PatternTemplate>
      </LSPPattern>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
        <SLAStatus>None</SLAStatus>
        <OverallStatus>N/A</OverallStatus>
      </AuditFlag>
      <ServiceEndPointGroup>
```

```

<DeviceList>
  <FMDeviceDetails
href="/api/space/nsas/prestage-ta-device/manage-devices/devices/851980"
uri="/api/space/nsas/prestage-ta-device/manage-devices/devices/851980">
  <DeviceName>anjar</DeviceName>
  <IPAddress>10.213.15.6</IPAddress>
  <CMPDeviceID>851980</CMPDeviceID>
  <DeviceID>229379</DeviceID>
  <DeviceState>In Sync</DeviceState>
  <ConnectionStatus>up</ConnectionStatus>
  <PlatformType>srx220h</PlatformType>
  <OsVersion>12.1X45-D15.5</OsVersion>
  <Role>N_PE</Role>
  </FMDeviceDetails>
  <FMDeviceDetails
href="/api/space/nsas/prestage-ta-device/manage-devices/devices/1966134"
uri="/api/space/nsas/prestage-ta-device/manage-devices/devices/1966134">
  <DeviceName>PE4_re0</DeviceName>
  <IPAddress>10.220.11.54</IPAddress>
  <CMPDeviceID>1966134</CMPDeviceID>
  <DeviceID>295093</DeviceID>
  <DeviceState>In Sync</DeviceState>
  <ConnectionStatus>up</ConnectionStatus>
  <PlatformType>mx240</PlatformType>
  <OsVersion>14.2-20150126.0</OsVersion>
  <Role>N_PE</Role>
  </FMDeviceDetails>
  <FMDeviceDetails
href="/api/space/nsas/prestage-ta-device/manage-devices/devices/1966132"
uri="/api/space/nsas/prestage-ta-device/manage-devices/devices/1966132">
  <DeviceName>P1_re0</DeviceName>
  <IPAddress>10.220.18.200</IPAddress>
  <CMPDeviceID>1966132</CMPDeviceID>
  <DeviceID>295088</DeviceID>
  <DeviceState>In Sync</DeviceState>
  <ConnectionStatus>up</ConnectionStatus>
  <PlatformType>mx960</PlatformType>
  <OsVersion>14.2-20150126.0</OsVersion>
  <Role>N_PE</Role>
  </FMDeviceDetails>
  <FMDeviceDetails
href="/api/space/nsas/prestage-ta-device/manage-devices/devices/1966140"

```

```

uri="/api/space/nsas/prestage-ta-device/manage-devices/devices/1966140">
  <DeviceName>P2_re0</DeviceName>
  <IPAddress>10.220.17.99</IPAddress>
  <CMPDeviceID>1966140</CMPDeviceID>
  <DeviceID>491526</DeviceID>
  <DeviceState>In Sync</DeviceState>
  <ConnectionStatus>up</ConnectionStatus>
  <PlatformType>mx960</PlatformType>
  <OsVersion>14.2-20150126.0</OsVersion>
  <Role>N_PE</Role>
</FMDeviceDetails>
</DeviceList>
</ServiceEndPointGroup>
<ServiceParameters xsi:type="RSVPLSPBFDDConfigParameterServiceType"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <RetryTimer>30</RetryTimer>
  <LDPTunneling>Disabled</LDPTunneling>
  <AutoBandWidth>
    <AutoBandwidth>false</AutoBandwidth>
    <AdjustInterval>0</AdjustInterval>
    <MaxBandwidth>0</MaxBandwidth>
    <MinBandwidth>0</MinBandwidth>
  </AutoBandWidth>
  <ProtectionSetting>
    <LSPProtectionType>Path Protection</LSPProtectionType>
    <LocalProtection>N/A</LocalProtection>
    <EnableFR>Disabled</EnableFR>
  </ProtectionSetting>
  <HopLimit>255</HopLimit>
  <StandBy>false</StandBy>
  <Adaptive>Disabled</Adaptive>
  <SetupPriority>7</SetupPriority>
  <HoldPriority>0</HoldPriority>
</ServiceParameters>
<Reference>
  <ServiceOrder
href="/api/space/nsas/rsvp-lsp/service-management/service-orders/524306"
uri="/api/space/nsas/rsvp-lsp/service-management/service-orders/524306"
key="524306"/>
  <ServiceDefinition>
    <ServiceDefinitionID
href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/524288"

```

```
uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/524288"
key="524288"/>
</ServiceDefinition>
</Reference>
</Service>
</ServiceResource>
</Data>
```

Get LSP Details

This request is used to modify an LSP service details in version 1 format.

| | |
|--------------|---|
| URI | /api/space/nsas/rsvp-lsp/service-management/services/{service-Id} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. modify.service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml;version=2 |
| Produces | Gets LSP details. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="true"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <TA>
            <Source href="/api/space/nsas/prestage-ta-device/manage-devices/devices/295088"
```

```

    uri="/api/space/nsas/prestage-ta-device/manage-devices/devices/295088"
    key="295088">
    <DeviceName>P1_re0</DeviceName>
    <DeviceID>295088</DeviceID>
    <CMPDeviceID>1966132</CMPDeviceID>
  </Source>
  <Destination
href="/api/space/nsas/prestage-ta-device/manage-devices/devices/491526"
uri="/api/space/nsas/prestage-ta-device/manage-devices/devices/491526"
key="491526">
    <DeviceName>P2_re0</DeviceName>
    <DeviceID>491526</DeviceID>
    <CMPDeviceID>1966140</CMPDeviceID>
  </Destination>
  <LSPName>LSP_002_to_22_22_22_22</LSPName>
</TA>
</DeviceInfo>
<ServiceEndPoint>
  <ServiceEndpointConfiguration xsi:type="RSVPLSPEndPointParameterServiceType"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <PrimaryPath>
      <PathName>MyPath-01</PathName>
      <SetupPriority>7</SetupPriority>
      <Adaptive>Disabled</Adaptive>
      <HoldPriority>0</HoldPriority>
      <HopLimit>255</HopLimit>
      <Bandwidth>-1000</Bandwidth>
      <AdminGroups/>
    </PrimaryPath>
  </ServiceEndpointConfiguration>
  <ServiceTemplates/>
</ServiceEndPoint>
</ServiceEndPointGroup>
</Service>
</ServiceResource>
</Data>

```

Submit a Modified Service (Version 2)

This request is used to modify an LSP service in version 1 format.

| | |
|--------------|---|
| URI | /api/space/nsas/rsvp-lsp/service-management/services/{service-Id} |
| HTTP Method | POST |
| Content-Type | */* |
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml;version=2 |
| Produces | Submits a modified service. |

Input

Sample XML Input

```
<?xml version="1.0"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>LSP_002_Modify_2016-07-01_14-15-57</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <TA>
            <Source>
              <DeviceName>P1_re0</DeviceName>
              <DeviceID>295088</DeviceID>
            </Source>
            <Destination>
              <DeviceName>P2_re0</DeviceName>
              <DeviceID>491526</DeviceID>
            </Destination>
          </TA>
        </DeviceInfo>
        <ServiceEndPoint>
          <ServiceEndpointConfiguration xsi:type="RSVPLSPBFDEndPointParameterOrderType"
```

```

    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <PrimaryPath>
    <PathName>MyPath-01</PathName>
    <SetupPriority>7</SetupPriority>
    <Adaptive>Disabled</Adaptive>
    <HoldPriority>0</HoldPriority>
    <ClassOfService>-1</ClassOfService>
    <HopLimit>255</HopLimit>
    <Bandwidth>-1</Bandwidth>
    <Paths>
    <Path>
    <PathName>MyPath-01</PathName>
    <Connection>Loose</Connection>
    </Path>
    </Paths>
    </PrimaryPath>
    </ServiceEndpointConfiguration>
    </ServiceEndPoint>
    </ServiceEndPointGroup>
    <ServiceOrderParameter xsi:type="RSVPLSPBFDDConfigParameterOrderType"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <ClassOfService>-1</ClassOfService>
    <HopLimit>255</HopLimit>
    <HoldPriority>0</HoldPriority>
    <SetupPriority>7</SetupPriority>
    <StandBy>false</StandBy>
    <Adaptive>Disabled</Adaptive>
    <RetryLimit>-1</RetryLimit>
    <RetryTimer>30</RetryTimer>
    <BandWidth>-1</BandWidth>
    <LDPTunneling>Disabled</LDPTunneling>
    <ProtectionSetting>
    <EnableFR>Disabled</EnableFR>
    </ProtectionSetting>
    <BFD>
    <BFDDetection>None</BFDDetection>
    </BFD>
    </ServiceOrderParameter>
    </ServiceOrder>
    </ServiceResource>
    <CustomAction xsi:type="ServiceCustomActionType"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

```

```

<Action>SaveAndValidate</Action>
</CustomAction>
</Data>

```

Output

Sample XML Output

```

xml version="1.0" encoding="UTF-8" standalone="true"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>524325</Value>
    </Identity>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>1114113</Value>
    </Identity>
    <Job>
      <ID>4423695</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Modified Successfully and Validation is in Progress.
Please check the status using the JOB ID.</Message>
  </Status>
</Data>

```

Transport Activate Device Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director Transport Activate (TA) Devices Management RESTful Web Services.

Get All TA Devices

This request is used to collect all the TA devices.

| | |
|-------------|---|
| URI | api/space/nsas/prestage-ta-device/manage-devices/devices |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.manage-devices.ta-devices+xml |
| Produces | Retrieves all the TA devices that are managed and provisioned by the application. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Devices size="3">
    <Device
      href="/api/space/nsas/prestage-ta-device/manage-devices/devices/65596"
      uri="/api/space/nsas/prestage-ta-device/manage-devices/devices/65596"
      key="65596">
      <Common>
        <Name>embassy</Name>
        <Identity>65596</Identity>
      </Common>
    </Device>
    <Device
      href="/api/space/nsas/prestage-ta-device/manage-devices/devices/65570"
      uri="/api/space/nsas/prestage-ta-device/manage-devices/devices/65570"
      key="65570">
      <Common>
        <Name>jaipur</Name>
        <Identity>65570</Identity>
      </Common>
    </Device>
    <Device
      href="/api/space/nsas/prestage-ta-device/manage-devices/devices/65538"
      uri="/api/space/nsas/prestage-ta-device/manage-devices/devices/65538"
      key="65538">
```

```
<Common>
  <Name>kochin</Name>
  <Identity>65538</Identity>
</Common>
</Device>
</Devices>
</Data>
```

Get TA Devices By Device ID

This request is used to retrieve a TA device based on the device ID.

| | |
|-------------|---|
| URI | api/space/nsas/prestage-ta-device/manage-devices/ devices/<deviceId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.manage-devices.ta-devices+xml |
| Produces | Retrieves the TA device based on the device ID. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Devices>
    <Device
      href="/api/space/nsas/prestage-ta-device/manage-devices/devices/65570"
      uri="/api/space/nsas/prestage-ta-device/manage-devices/devices/65570"
      key="65570">
      <Common>
        <Name>jaipur</Name>
        <Identity>65570</Identity>
      </Common>
      <IPAddress>10.216.114.112</IPAddress>
```

```
<LoopBackAddress>50.1.2.2</LoopBackAddress>
</Device>
</Devices>
</Data>
```

Resynchronize the Device Role Capabilities

This request is used to resynchronize the device roles

| | |
|--------------|--|
| URI | /api/space/nsas/resync-role-p?data={device-id} |
| HTTP Method | POST |
| Consumes | application/vnd.net.juniper.space.manage-roles.devices+xml;version=2 |
| Content Type | application/vnd.net.juniper.space.manage-roles.devices+xml;version=2;charset=UTF-8 |
| Produces | Resynchronizes the device roles. |

Input

Sample XML Input

```
https://10.213.9.198/api/space/nsas/resync-role-pe?data=5079298
```

Resynchronize LSPs

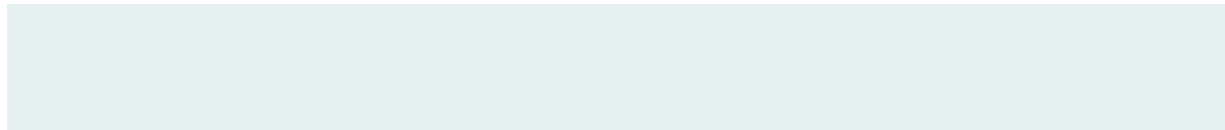
This request is used to resynchronize the LSP capabilities

| | |
|-------------|--|
| URI | /api/space/nsas/prestage-ta-device/manage-devices/devices/re-sync-lsp-capability/{device-id} |
| HTTP Method | POST |

| | |
|--------------|---|
| Consumes | application/vnd.net.juniper.space.resync.ta-devices+xml;version=2 |
| Content Type | application/vnd.net.juniper.space.resync.ta-devices+xml;version=2;charset=UTF-8 |
| Produces | Resynchronizes the LSP capabilities. |

Output

Sample XML Output



View a Prestaged Device Details

This request is used to display the details of a particular prestaged device.

| | |
|-------------|--|
| URI | /api/space/nsas/prestage-ta-device/manage-devices/devices/by-device-name/{device-name} |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.manage-devices.ta-device-by-name+json;version=2;q=0.02 |
| Produces | Displays the prestaged device details based on the device name. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8"?>
<root>
  <Data>
    <Devices>
      <Device
href="/api/space/nsas/prestage-ta-device/manage-devices/devices/98436"
```

```

key="98436"
uri="/api/space/nsas/prestage-ta-device/manage-devices/devices/98436">
  <Admins />
  <Common>
    <Identity>98436</Identity>
    <Name>amx-1100-a</Name>
  </Common>
  <Connection>up</Connection>
  <IPAddress>10.216.114.33</IPAddress>
  <LoopBackAddress>30.1.2.16</LoopBackAddress>
  <Platform>MX104</Platform>
  <Ports>
    <Port>
      <element>
        <Id>229549</Id>
        <Name>ge-1/2/0</Name>
      </element>
      <element>
        <Id>229550</Id>
        <Name>gr-1/2/0</Name>
      </element>
      <element>
      </element>
      <element>
        <IPAddress>20.1.45.1</IPAddress>
        <Id>229570</Id>
        <Name>ge-1/2/0.0</Name>
      </element>
      <element>
        <IPAddress>20.1.47.2</IPAddress>
        <Id>229571</Id>
        <Name>ge-1/2/1.0</Name>
      </element>
      <element>
        <IPAddress>10.0.77.5</IPAddress>
        <Id>229577</Id>
        <Name>ge-1/3/4.48</Name>
      </element>
      <element>
        <Id>229578</Id>
        <Name>ge-1/3/5.1</Name>
      </element>
    </Port>
  </Ports>
</device>

```

```

        <Id>229579</Id>
        <Name>ge-1/3/8.1</Name>
    </element>
    <element>
        <Id>229726</Id>
        <Name>ge-1/3/5.2</Name>
    </element>
</Port>
</Ports>
<Version>13.3R2.7</Version>
</Device>
</Devices>
</Data>
</root>
```

View the MPLS Path Settings for a Device

This request is used to display the details of MPLS paths for a device.

| | |
|-------------|---|
| URI | /api/space/nsas/ta-device-path/manage-devices/ devices/paths/{device-name} |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.manage-devices.paths+xml |
| Produces | Displays the MPLS path attributes for a device. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Devices>
      <Device>
        <Paths size="4" />
```

```
        </Device>
      </Devices>
    </Data>
```

View the Administrative Groups of a Device

This request is used to display the administrative groups configured for LSPs of a device.

| | |
|-------------|---|
| URI | /api/space/nsas/prestage-ta-device/ manage-devices/devices/admin-group/{device-name} |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space. manage-devices.admin-group+xml |
| Produces | Displays the admin groups for LSPs on a device. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Devices>
    <Device>
      <Admins size="0" />
    </Device>
  </Devices>
</Data>
```

View the NNI Details of a Device

This request is used to display the configured network-to-network interfaces (NNIs) of a device.

| | |
|-------------|---|
| URI | /api/space/nsas/prestage-ta-device/ manage-devices/devices/nni/{device-name} |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space. manage-devices.ta-device-nni+xml |
| Produces | Displays the NNIs of a device. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Devices>
    <Device>
      <Ports size="32">
        <Port>
          <Name>ge-1/2/0</Name>
          <Id>229549</Id>
        </Port>
        <Port>
          <Name>gr-1/2/0</Name>
          <Id>229550</Id>
        </Port>
        <Port>
          <Name>ge-1/2/0.0</Name>
          <Id>229570</Id>
          <IPAddress>20.1.45.1</IPAddress>
        </Port>
        <Port>
          <Name>ge-1/2/1.0</Name>
          <Id>229571</Id>
          <IPAddress>20.1.47.2</IPAddress>
        </Port>
        <Port>
```

```

        <Name>ge-1/2/5.55</Name>
        <Id>229572</Id>
        <IPAddress>10.0.88.70</IPAddress>
    </Port>
    <Port>
        <Name>ge-1/3/4.48</Name>
        <Id>229577</Id>
        <IPAddress>10.0.77.5</IPAddress>
    </Port>
    <Port>
        <Name>ge-1/3/5.1</Name>
        <Id>229578</Id>
    </Port>
    <Port>
        <Name>ge-1/3/8.1</Name>
        <Id>229579</Id>
    </Port>
    <Port>
        <Name>ge-1/3/5.2</Name>
        <Id>229726</Id>
    </Port>
</Ports>
</Device>
</Devices>
</Data>
```

Prestage and Discover Get TA Devices

This request is used to prestage and discover TA devices.

| | |
|-------------|--|
| URI | /api/space/nsas/prestage-ta-device/manage-devices/ devices/discover-ta-devices |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.manage-devices.ta. discover-ta-devices.status+xml |
| Produces | Prestages and discovers TA devices. |

Output

Sample XML Output

```
<Data>
  <Status>
    <Job>
      <ID>229379</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>
      Discover TA Devices process triggered Successfully.Please check the Status
      using Job Id
    </Message>
  </Status>
</Data>
```

Paths, Admin Groups, Tags, and LSP Patterns Device Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director Paths, Admin Groups, Tags, and LSP Patterns Management RESTful Web Services.

Get All TA Tags

This request is used to collect all the TA tags.

| | |
|-------------|---|
| URI | api/space/nsas/ta/lsp-tags |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.lsp-tags +xml |
| Produces | Retrieves all the TA tags. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd ">
  <Tags size="2" >
    <Tag href="/api/space/nsas/ta/lsp-tags/2564"
uri="/api/space/nsas/ta/lsp-tags/2564" key="2564">    <Name>Test_Service</Name>

    <Identity>2564</Identity>
    <AccessType>public</AccessType >
  </Tag>
  <Tag href="/api/space/nsas/ta/lsp-tags/2565"
uri="/api/space/nsas/ta/lsp-tags/2565" key="2565">    <Name>Test_Device</Name>

    <Identity>2565</Identity>
    <AccessType>private</AccessType>
  </Tag>
</Tags>
</Data>
```

Get All TA Device Tags

This request is used to collect all the TA device tags.

| | |
|-------------|--|
| URI | api/space/nsas/ta/lsp-tags/devices |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.lsp-tags.devices+xml |
| Produces | Retrieves all the TA device tags. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd ">
  <Tags size="2" >
    <Tag href="/api/space/nsas/ta/lsp-tags/2564"
uri="/api/space/nsas/ta/lsp-tags/2564" key="2564">      <Name>Test_Device
_000</Name>
      <Identity>2564</Identity>
      <AccessType>public</AccessType>
    </Tag>
    <Tag href="/api/space/nsas/ta/lsp-tags/2565"
uri="/api/space/nsas/ta/lsp-tags/2565" key="2565">
<Name>Test_Device_001</Name>
      <Identity>2565</Identity>
      <AccessType>private</AccessType>
    </Tag>
  </Tags>
</Data>
```

Get All TA Service Tags

This request is used to collect all the TA service tags.

| | |
|-------------|--|
| URI | api/space/nsas/ta/lsp-tags/services |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.lsp-tags.devices+xml |
| Produces | Retrieves all the TA service tags. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd ">
  <Tags size="2" >
    <Tag href="/api/space/nsas/ta/lsp-tags/2564"
uri="/api/space/nsas/ta/lsp-tags/2564" key="2564">
      <Name>Test_Service_000</Name>
      <Identity>2564</Identity>
      <AccessType>public</AccessType>
    </Tag>
    <Tag href="/api/space/nsas/ta/lsp-tags/2565"
uri="/api/space/nsas/ta/lsp-tags/2565" key="2565">
      <Name>Test_Service_001</Name>
      <Identity>2565</Identity>
      <AccessType>private</AccessType>
    </Tag>
  </Tags>
</Data>
```

Get TA Tags By Tag ID

This request is used to collect a particular TA tag.

| | |
|-------------|---|
| URI | api/space/nsas/ta/lsp-tags |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.lsp-tag+xml |
| Produces | Retrieves a particular TA tag. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data>
  <Tags>
    <Tag href="/api/space/nsas/ta/lsp-tags/1638602"
uri="/api/space/nsas/ta/lsp-tags/1638602"
  key="1638602">
      <Name>Test_Service</Name>
      <Identity>1638602</Identity>
      <AccessType>private</AccessType>
    </Tag>
    <Devices size="2">
      <Device
href="/api/space/nsas/prestage-ta-device/manage-devices/devices/164194"

uri="/api/space/nsas/prestage-ta-device/manage-devices/devices/164194"
key="164194">
          <Common>
            <Name>junos-mx480-space</Name>
            <Identity>164194</Identity>
          </Common>
        </Device>
        <Device
href="/api/space/nsas/prestage-ta-device/manage-devices/devices/163977"

uri="/api/space/nsas/prestage-ta-device/manage-devices/devices/163977"
key="163977">
          <Common>
            <Name>junos-mx240-space</Name>
            <Identity>163977</Identity>
          </Common>
        </Device>
      </Devices>
    </Tags>
  </Data>

```

Get RSVP Paths By Device ID

This request is used to retrieve an RSVP path based on the device ID.

| | |
|-------------|--|
| URI | api/space/nsas/ta-device-path/manage-devices/devices/{device-id} |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.manage-devices.ta-device+xml |
| Produces | Retrieves the RSVP path based on the device ID. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Devices>
    <Device href="/api/space/nsas/ta-device-path/manage-devices/devices/98626"

      uri="/api/space/nsas/ta-device-path/manage-devices/devices/98626"
      key="98626">
      <Common>
        <Name>embassy</Name>
        <Identity>98626</Identity>
      </Common>
      <LoopBackAddress>50.1.2.4</LoopBackAddress>
      <IPAddress>10.216.114.109</IPAddress>
      <Paths>
        <Path>
          <PathName>EmbNoERO1</PathName>
        </Path>
        <Path>
          <PathName>EmbPath1</PathName>
        </Path>
        <Path>
          <PathName>EmbMultiERO1</PathName>
          <IPAddress>10.1.2.3</IPAddress>
          <Connection>Strict</Connection>
        </Path>
      </Paths>
    </Device>
  </Devices>
</Data>
```

```

<Path>
  <PathName>EmbMultiERO1</PathName>
  <IPAddress>10.1.2.4</IPAddress>
  <Connection>Loose</Connection>
</Path>
<Path>
  <PathName>EmbMultiERO1</PathName>
  <IPAddress>10.1.2.5</IPAddress>
  <Connection>Strict</Connection>
</Path>
<Path>
  <PathName>EmbMultiERO1</PathName>
  <IPAddress>10.1.2.6</IPAddress>
  <Connection>Loose</Connection>
</Path>
<Path>
  <PathName>EmbNoERO2</PathName>
</Path>
<Path>
  <PathName>EmbNoERO3</PathName>
</Path>
<Path>
  <PathName>EmbPath4</PathName>
  <IPAddress>1.2.3.4</IPAddress>
  <Connection>Strict</Connection>
</Path>
<Path>
  <PathName>EmbPath4</PathName>
  <IPAddress>1.2.3.6</IPAddress>
  <Connection>Strict</Connection>
</Path>
<Path>
  <PathName>EmbPath4</PathName>
  <IPAddress>1.2.3.7</IPAddress>
  <Connection>Loose</Connection>
</Path>
<Path>
  <PathName>primary</PathName>
</Path>
<Path>
  <PathName>backup</PathName>
</Path>

```

```

<Path>
  <PathName>Second</PathName>
</Path>
<Path>
  <PathName>primary-2</PathName>
</Path>
<Path>
  <PathName>primary1</PathName>
</Path>
<Path>
  <PathName>backup1</PathName>
</Path>
<Path>
  <PathName>Second1</PathName>
</Path>
<Path>
  <PathName>primary2</PathName>
</Path>
<Path>
  <PathName>backup2</PathName>
</Path>
<Path>
  <PathName>Second2</PathName>
</Path>
<Path>
  <PathName>primary5</PathName>
</Path>
<Path>
  <PathName>primary6</PathName>
</Path>
<Path>
  <PathName>backup6</PathName>
</Path>
<Path>
  <PathName>Second6</PathName>
</Path>
<Path>
  <PathName>backup5</PathName>
  <IPAddress>1.2.3.5</IPAddress>
  <Connection>Loose</Connection>
</Path>
</Paths>

```

```
</Device>
</Devices>
</Data>
```

Get RSVP Admin Groups By Device ID

This request is used to retrieve an RSVP admin group based on the device ID.

| | |
|-------------|--|
| URI | api/space/nsas/prestage-ta-device/manage-devices/ devices/{device-id} |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space. manage-devices.ta-device+xml |
| Produces | Retrieves the RSVP admin group based on the device ID. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Devices>
    <Device
      href="/api/space/nsas/prestage-ta-device/manage-devices/devices/98626"
      uri="/api/space/nsas/prestage-ta-device/manage-devices/devices/98626"
      key="98626">
      <Common>
        <Name>embassy</Name>
        <Identity>98626</Identity>
      </Common>
      <LoopBackAddress>50.1.2.4</LoopBackAddress>
      <Admins>
        <AdminGroup>
```

```
<Name>gold</Name>
<GroupValue>1</GroupValue>
</AdminGroup>
<AdminGroup>
  <Name>silver</Name>
  <GroupValue>2</GroupValue>
</AdminGroup>
<AdminGroup>
  <Name>copper</Name>
  <GroupValue>3</GroupValue>
</AdminGroup>
</Admins>
<IPAddress>10.216.114.109</IPAddress>
```

Get LSP Patterns by Pattern ID

This request is used to collect a particular LSP pattern.

| | |
|-------------|--|
| URI | /api/space/nsas/lsp-pattern/service-management/service-patterns/{id} |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-patterns-status+xml |
| Produces | Retrieves a particular LSP pattern. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
```

```

<ServiceResource>
  <ServicePattern key="108"
    uri="/api/space/nsas/lsp-pattern/service-management/service-patterns/108"

    href="/api/space/nsas/lsp-pattern/service-management/service-patterns/108">

    <Common>
      <Name>Full Mesh13</Name>
      <Identity>108</Identity>
      <State>Published</State>
      <CreateDate>2014-01-10T18:17:53.000+05:30</CreateDate>
    </Common>
    <PatternType>RSVP</PatternType>
    <StandardPattern>true</StandardPattern>
    <UniqueCheck>false</UniqueCheck>
    <PatternTemplate>$Name_$IngressRouter_to_$EgressLoopbackAddress
    </PatternTemplate>
    <PatternTemplates>
      <Patterns>
        <Position>1</Position>
        <Template>$Name</Template>
        <StatndardVariable>true</StatndardVariable>
      </Patterns>
      <Patterns>
        <Position>2</Position>
        <Template>_</Template>
        <StatndardVariable>false</StatndardVariable>
      </Patterns>
      <Patterns>
        <Position>3</Position>
        <Template>$IngressRouter</Template>
        <StatndardVariable>true</StatndardVariable>
      </Patterns>
      <Patterns>
        <Position>4</Position>
        <Template>_to_</Template>
        <StatndardVariable>false</StatndardVariable>
      </Patterns>
      <Patterns>
        <Position>5</Position>
        <Template>$EgressLoopbackAddress</Template>
        <StatndardVariable>true</StatndardVariable>

```

```
        </Patterns>
      </PatternTemplates>
    </ServicePattern>
  </ServiceResource>
</Data>
```

Create a New LSP Pattern

This request is used to create a new LSP pattern.

| | |
|--------------|--|
| URI | /api/space/nsas/lsp-pattern/service-management/ service-patterns/ |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management. service-patterns+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-patterns-status+xml |
| Produces | Creates an LSP pattern. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServicePattern>
      <Common>
        <Name>Full Mesh13</Name>
      </Common>
      <PatternType>RSVP</PatternType>
      <StandardPattern>true</StandardPattern>
      <UniqueCheck>>false</UniqueCheck>
```

```
<PatternTemplate>$Name_$IngressRouter_to_$EgressLoopbackAddress
</PatternTemplate>
<PatternTemplates>
  <Patterns>
    <Template>$Name</Template>
    <StatndardVariable>true</StatndardVariable>
  </Patterns>
  <Patterns>
    <Template>_</Template>
    <StatndardVariable>>false</StatndardVariable>
  </Patterns>
  <Patterns>
    <Template>$IngressRouter</Template>
    <StatndardVariable>true</StatndardVariable>
  </Patterns>
  <Patterns>
    <Template>_to_</Template>
    <StatndardVariable>>false</StatndardVariable>
  </Patterns>
  <Patterns>
    <Template>$EgressLoopbackAddress</Template>
    <StatndardVariable>true</StatndardVariable>
  </Patterns>
</PatternTemplates>
</ServicePattern>
</ServiceResource>
</Data>
```

Get All LSP Pattern Variables

This request is used to collect all the LSP pattern variables.

| | |
|-------------|--|
| URI | api/space/nsas/lsp-pattern/service-management/ service-patterns/{variable-type}/variables Variable types are rsvp, general, static |
| HTTP Method | GET |

| | |
|----------|--|
| Consumes | application/vnd.net.juniper.space.service-management.service-patterns-status+xml |
| Produces | Retrieves all the LSP pattern variables. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServicePattern>
      <PatternType>RSVP</PatternType>
      <SpecificVariables>
        <Variable>$Name</Variable>
        <Variable>$Description</Variable>
        <Variable>$IngressRouter</Variable>
        <Variable>$EgressRouter</Variable>
        <Variable>$TransitRouters</Variable>
        <Variable>$HoldPriority</Variable>
        <Variable>$HopLimit</Variable>
        <Variable>$ClassofService</Variable>
        <Variable>$Bandwidth</Variable>
        <Variable>$RetryLimit</Variable>
        <Variable>$RetryTimer</Variable>
        <Variable>$TransmitThreshold</Variable>
        <Variable>$DetectionThreshold</Variable>
        <Variable>$FailureAction</Variable>
        <Variable>$TeardownTimeout</Variable>
        <Variable>$LocalProtectionType</Variable>
        <Variable>$AdjustInterval</Variable>
        <Variable>$EgressLoopbackAddress</Variable>
        <Variable>$LSPDefinition</Variable>
        <Variable>$PrimaryPathName</Variable>
        <Variable>$SecondaryPathName</Variable>
      </SpecificVariables>
    </ServicePattern>
  </ServiceResource>
</Data>
```

Tunnel Services Functional Audit, Configuration Change, and Fault Status Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director Tunnel Services Functional and Configuration Audits Management RESTful Web Services.

Run a Functional Audit of an RSVP LSP Service

This request is run a functional audit of an RSVP LSP service.

| | |
|--------------|---|
| URI | api/space/nsas/rsvp-lsp/service-management/services/<service-id> |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.service+xml The options for AuditNow and AuditLater can be provided in the Action element within the ?OperationSpecificData?. |
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml |
| Produces | Performs a functional audit of an RSVP LSP service. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="FunctionalAuditCustomActionType">
    <Action>AuditNow</Action>
  </CustomAction>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>123</Value>
    </Identity>
    <Job>
      <ID>688253</ID>
      <Status>INPROGRESS</Status>
      <AssociatedJob>
        <ID>688254</ID>
        <Status>INPROGRESS</Status>
        <Code>200</Code>
        <Message>The Monitoring Audit was Successfully triggered. Please
          check the status using the JOB ID.</Message>
      </AssociatedJob>
    </Job>
    <Code>200</Code>
    <Message>The Functional Audit was Successfully triggered. Please check
      the status using the JOB ID.</Message>
  </Status>
</Data>
```

View the Functional Audit Results of an RSVP LSP Service

This request is display the functional audit results of an RSVP LSP service.

| | |
|-------------|--|
| URI | api/space/nsas/rsvp-lsp/service-management/services/ view-functional-audit/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. functional-audit+xml |
| Produces | Displays the functional audit results of an RSVP LSP service. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <AuditResults>
    <FunctionalAuditResult>
      <Common>
        <Name>RSVP_BFD_SO_P2P_002</Name>
        <Identity>304</Identity>
        <State>Deployed</State>
      </Common>
      <ServiceType>LSP</ServiceType>
      <OperationState>Down</OperationState>
      <ServiceDefinitionName>RSVP_BFD_SD_P2P_001</ServiceDefinitionName>
      <NoOfUNIs>1</NoOfUNIs>
      <UpUNIs>0</UpUNIs>
      <DownUNIs>1</DownUNIs>
      <DeviceEnd>
        <DeviceName>RSVP_BFD_SO_P2P_002_to_50_1_2_1_embassy</DeviceName>
        <Topology>LSPP2P</Topology>
        <OperationState>Down</OperationState>
        <NoOfRemoteUNIs>1</NoOfRemoteUNIs>
        <UpRemoteUNIs>0</UpRemoteUNIs>
        <DownRemoteUNIs>1</DownRemoteUNIs>
        <RemoteEnd>
          <ControlPlaneParams>
            <ControlPanelCommand>
              <Command>get-mpls-lsp-information</Command>
              <RemoteEndpoint> kochin</RemoteEndpoint>
              <Result>Status: probably configuration missing on device
            </Result>
            </ControlPanelCommand>
          </ControlPlaneParams>
        </RemoteEnd>
      </DeviceEnd>
    <TroubleshootResult
      href="/api/space/nsas/rsvp-lsp/service-management/services/view-troubleshoot-results/304"

      uri="/api/space/nsas/rsvp-lsp/service-management/services/view-troubleshoot-results/304"
    />
  </FunctionalAuditResult>
```

```
</AuditResults>
</Data>
```

View the Service Configuration Change Results of an RSVP LSP Service

This request is display the service configuration changes of an RSVP LSP service.

| | |
|-------------|---|
| URI | api/space/nsas/rsvp-lsp/service-management/services/view-serviceconfiguration-change/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.config-change+xml |
| Produces | Displays the service configuration change results of an RSVP LSP service. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data
  xmlns="services.schema.networkapi.jmp.juniper.net">
  <AuditResults>
    <ServiceConfigurationChangeResult>
      <ServiceConfigDeviceEnd>
        <DeviceName>embassy</DeviceName>
        <Configuration>
          <configuration
xmlns:a="http://transportactivate.jmp.juniper.net/lsp/shared"
      xmlns:b="http://jmp.juniper.net/lsp/shared">
            <protocols>
              <mpls>
                <log-updown>
```

```

        <trap/>
        <trap-path-down/>
        <trap-path-up/>
    </log-updown>
    <label-switched-path>
        <name>RSVP_BFD_001_to_50_1_2_1</name>
        <from>50.1.2.4</from>
        <to>50.1.2.1</to>
        <ldp-tunneling/>
        <fast-reroute/>
        <oam>
            <bfd-liveness-detection>

<minimum-interval>300</minimum-interval>

<minimum-receive-interval>50</minimum-receive-interval>
            <multiplier>3</multiplier>
            <no-adaptation/>
            <transmit-interval>

<minimum-interval>50</minimum-interval>
            <threshold>300</threshold>
        </transmit-interval>
        <detection-time>
            <threshold>1000</threshold>
        </detection-time>
        <failure-action>
            <teardown/>
        </failure-action>
        </bfd-liveness-detection>
    </oam>
    <auto-bandwidth>

<minimum-bandwidth>10000</minimum-bandwidth>

<maximum-bandwidth>20000</maximum-bandwidth>
        <adjust-interval>300</adjust-interval>

    </auto-bandwidth>
</label-switched-path>
</mpls>
</protocols>

```

```
        </configuration>
      </Configuration>
    </ServiceConfigDeviceEnd>
  </ServiceConfigurationChangeResult>
</AuditResults>
</Data>
```

View the Monitoring and Troubleshooting Results of an RSVP LSP Service

This request is display the results of troubleshooting and monitoring operations of an RSVP LSP service.

| | |
|-------------|--|
| URI | api/space/nsas/rsvp-lsp/service-management/ services/view-troubleshoot-results/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. troubleshoot-results+xml |
| Produces | Displays the troubleshooting results of an RSVP LSP service. |

Output

Sample XML Output

```
xmlns="services.schema.networkapi.jmp.juniper.net">
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data
  xmlns="services.schema.networkapi.jmp.juniper.net">
  <AuditResults>
    <TroubleshootResult>
      <DeviceEnd>
        <DeviceName>embassy</DeviceName>
        <CommandResult>
          <Protocol>
            <MPLS>
```

```

      <CommandDetails>
        <Command>show mpls lsp ingress name
RSVP_BFD_SO_P2P_002_to_50_1_2_1</Command>
        <Results>
          <Row>
            <Parameter>
              <Name>State</Name>
              <Value></Value>
            </Parameter>
            <Parameter>
              <Name>LSP name</Name>
              <Value></Value>
            </Parameter>
            <Parameter>
              <Name>To</Name>
              <Value></Value>
            </Parameter>
            <Parameter>
              <Name>Active Path</Name>
              <Value></Value>
            </Parameter>
            <Parameter>
              <Name>From</Name>
              <Value></Value>
            </Parameter>
          </Row>
        </Results>
      </CommandDetails>
      <CommandDetails>
        <Command>show mpls lsp name
RSVP_BFD_SO_P2P_002_to_50_1_2_1 extensive</Command>
        <Results>
          <Row>
            <Parameter>
              <Name>State</Name>
              <Value></Value>
            </Parameter>
            <Parameter>
              <Name>Switching Type</Name>
              <Value></Value>
            </Parameter>
            <Parameter>

```

```

        <Name>Active Route</Name>
        <Value></Value>
    </Parameter>
    <Parameter>
        <Name>To</Name>
        <Value></Value>
    </Parameter>
    <Parameter>
        <Name>LSP Type</Name>
        <Value></Value>
    </Parameter>
    <Parameter>
        <Name>Encoding Type</Name>
        <Value></Value>
    </Parameter>
    <Parameter>
        <Name>Load Balance</Name>
        <Value></Value>
    </Parameter>
    <Parameter>
        <Name>From</Name>
        <Value></Value>
    </Parameter>
</Row>
</Results>
</CommandDetails>
</MPLS>
<ROUTE>
    <CommandDetails>
        <Command>show RSVP session name
RSVP_BFD_SO_P2P_002_to_50_1_2_1</Command>
    <Results>
        <Row>
            <Parameter>
                <Name>State</Name>
                <Value></Value>
            </Parameter>
            <Parameter>
                <Name>LSP name</Name>
                <Value></Value>
            </Parameter>
            <Parameter>

```

```

        <Name>To</Name>
        <Value></Value>
    </Parameter>
    <Parameter>
        <Name>From</Name>
        <Value></Value>
    </Parameter>
</Row>
</Results>
</CommandDetails>
<CommandDetails>
    <Command>show rsvp neighbor</Command>
    <Results>
        <Row>
            <Parameter>
                <Name>Down</Name>
                <Value>1</Value>
            </Parameter>
            <Parameter>
                <Name>Idle</Name>
                <Value>
0
</Value>

            </Parameter>
            <Parameter>
                <Name>HelloInt</Name>
                <Value>9</Value>
            </Parameter>
            <Parameter>
                <Name>HelloTx/Rx</Name>
                <Value>190350</Value>
            </Parameter>
            <Parameter>
                <Name>Up</Name>
                <Value>2</Value>
            </Parameter>
            <Parameter>
                <Name>Address</Name>
                <Value>40.1.3.2</Value>
            </Parameter>
            <Parameter>
                <Name>LastChange</Name>

```

```

2w5d 18:46:36
</Value>

<Value>

</Parameter>
</Row>
<Row>
  <Parameter>
    <Name>Down</Name>
    <Value>2</Value>
  </Parameter>
  <Parameter>
    <Name>Idle</Name>
    <Value>

4:19:19
</Value>

</Parameter>
<Parameter>
  <Name>HelloInt</Name>
  <Value>9</Value>
</Parameter>
<Parameter>
  <Name>HelloTx/Rx</Name>
  <Value>122921</Value>
</Parameter>
<Parameter>
  <Name>Up</Name>
  <Value>2</Value>
</Parameter>
<Parameter>
  <Name>Address</Name>
  <Value>40.1.5.2</Value>
</Parameter>
<Parameter>
  <Name>LastChange</Name>
  <Value>

22:31:08
</Value>

</Parameter>
</Row>
<Row>
  <Parameter>
    <Name>Down</Name>

```

```

                    <Value>0</Value>
                </Parameter>
                <Parameter>
                    <Name>Idle</Name>
                    <Value>
5
</Value>

                </Parameter>
                <Parameter>
                    <Name>HelloInt</Name>
                    <Value>9</Value>
                </Parameter>
                <Parameter>
                    <Name>HelloTx/Rx</Name>
                    <Value>188762</Value>
                </Parameter>
                <Parameter>
                    <Name>Up</Name>
                    <Value>1</Value>
                </Parameter>
                <Parameter>
                    <Name>Address</Name>
                    <Value>40.1.2.2</Value>
                </Parameter>
                <Parameter>
                    <Name>LastChange</Name>
                    <Value>
2w5d 18:31:10
</Value>

                </Parameter>
            </Row>
        </Results>
    </CommandDetails>
<CommandDetails>
    <Command>show rsvp interface</Command>
    <Results>
        <Row>
            <Parameter>
                <Name>Interface</Name>
                <Value>ge-1/0/0.0</Value>
            </Parameter>
            <Parameter>

```

```

        <Name>ReservedBandwidth</Name>
        <Value>0bps</Value>
    </Parameter>
    <Parameter>
        <Name>static-bandwidth</Name>
        <Value>1000Mbps</Value>
    </Parameter>
    <Parameter>
        <Name>State</Name>
        <Value>Up</Value>
    </Parameter>
    <Parameter>
        <Name>AvailableBandwidth</Name>
        <Value>1000Mbps</Value>
    </Parameter>
</Row>
<Row>
    <Parameter>
        <Name>Interface</Name>
        <Value>ge-1/0/1.0</Value>
    </Parameter>
    <Parameter>
        <Name>ReservedBandwidth</Name>
        <Value>0bps</Value>
    </Parameter>
    <Parameter>
        <Name>static-bandwidth</Name>
        <Value>1000Mbps</Value>
    </Parameter>
    <Parameter>
        <Name>State</Name>
        <Value>Up</Value>
    </Parameter>
    <Parameter>
        <Name>AvailableBandwidth</Name>
        <Value>1000Mbps</Value>
    </Parameter>
</Row>
<Row>
    <Parameter>
        <Name>Interface</Name>
        <Value>ge-1/0/2.0</Value>
    </Parameter>

```

```

        </Parameter>
        <Parameter>
            <Name>ReservedBandwidth</Name>
            <Value>0bps</Value>
        </Parameter>
        <Parameter>
            <Name>static-bandwidth</Name>
            <Value>1000Mbps</Value>
        </Parameter>
        <Parameter>
            <Name>State</Name>
            <Value>Up</Value>
        </Parameter>
        <Parameter>
            <Name>AvailableBandwidth</Name>
            <Value>1000Mbps</Value>
        </Parameter>
    </Row>
    <Row>
        <Parameter>
            <Name>Interface</Name>
            <Value>ge-1/1/3.2</Value>
        </Parameter>
        <Parameter>
            <Name>ReservedBandwidth</Name>
            <Value>0bps</Value>
        </Parameter>
        <Parameter>
            <Name>static-bandwidth</Name>
            <Value>1000Mbps</Value>
        </Parameter>
        <Parameter>
            <Name>State</Name>
            <Value>Up</Value>
        </Parameter>
        <Parameter>
            <Name>AvailableBandwidth</Name>
            <Value>1000Mbps</Value>
        </Parameter>
    </Row>
</Results>
</CommandDetails>

```

```

<CommandDetails>
  <Command>Show ospf neighbor</Command>
  <Results>
    <Row>
      <Parameter>
        <Name>Interface</Name>
        <Value>ge-1/0/0.0</Value>
      </Parameter>
      <Parameter>
        <Name>State</Name>
        <Value>Full</Value>
      </Parameter>
      <Parameter>
        <Name>Address</Name>
        <Value>40.1.3.2</Value>
      </Parameter>
      <Parameter>
        <Name>ID</Name>
        <Value>50.1.2.1</Value>
      </Parameter>
      <Parameter>
        <Name>Dead</Name>
        <Value>38</Value>
      </Parameter>
      <Parameter>
        <Name>Priority</Name>
        <Value>128</Value>
      </Parameter>
    </Row>
    <Row>
      <Parameter>
        <Name>Interface</Name>
        <Value>ge-1/0/2.0</Value>
      </Parameter>
      <Parameter>
        <Name>State</Name>
        <Value>Full</Value>
      </Parameter>
      <Parameter>
        <Name>Address</Name>
        <Value>40.1.2.2</Value>
      </Parameter>
    </Row>
  </Results>
</CommandDetails>

```

```

        <Parameter>
            <Name>ID</Name>
            <Value>50.1.2.2</Value>
        </Parameter>
        <Parameter>
            <Name>Dead</Name>
            <Value>34</Value>
        </Parameter>
        <Parameter>
            <Name>Priority</Name>
            <Value>128</Value>
        </Parameter>
    </Row>
</Results>
</CommandDetails>
<CommandDetails>
    <Command>show ldp session</Command>
    <Results>
        <Row>
            <Parameter>
                <Name>Hold Time</Name>
                <Value>27</Value>
            </Parameter>
            <Parameter>
                <Name>State</Name>
                <Value>Operational</Value>
            </Parameter>
            <Parameter>
                <Name>Address</Name>
                <Value>30.1.2.12</Value>
            </Parameter>
            <Parameter>
                <Name>Connection</Name>
                <Value>Open</Value>
            </Parameter>
        </Row>
        <Row>
            <Parameter>
                <Name>Hold Time</Name>
                <Value>25</Value>
            </Parameter>
            <Parameter>

```

```

        <Name>State</Name>
        <Value>Operational</Value>
    </Parameter>
    <Parameter>
        <Name>Address</Name>
        <Value>50.1.2.1</Value>
    </Parameter>
    <Parameter>
        <Name>Connection</Name>
        <Value>Open</Value>
    </Parameter>
</Row>
<Row>
    <Parameter>
        <Name>Hold Time</Name>
        <Value>23</Value>
    </Parameter>
    <Parameter>
        <Name>State</Name>
        <Value>Operational</Value>
    </Parameter>
    <Parameter>
        <Name>Address</Name>
        <Value>50.1.2.2</Value>
    </Parameter>
    <Parameter>
        <Name>Connection</Name>
        <Value>Open</Value>
    </Parameter>
</Row>
<Row>
    <Parameter>
        <Name>Hold Time</Name>
        <Value>23</Value>
    </Parameter>
    <Parameter>
        <Name>State</Name>
        <Value>Operational</Value>
    </Parameter>
    <Parameter>
        <Name>Address</Name>
        <Value>50.1.2.3</Value>
    </Parameter>

```

```

        </Parameter>
        <Parameter>
            <Name>Connection</Name>
            <Value>Open</Value>
        </Parameter>
    </Row>
</Results>
</CommandDetails>
<CommandDetails>
    <Command>show bfd session</Command>
    <Results>
        <Row>
            <Parameter>
                <Name>Interface</Name>
                <Value></Value>
            </Parameter>
            <Parameter>
                <Name>State</Name>
                <Value></Value>
            </Parameter>
            <Parameter>
                <Name>Detection Time</Name>
                <Value></Value>
            </Parameter>
            <Parameter>
                <Name>Transmit Interval</Name>
                <Value></Value>
            </Parameter>
            <Parameter>
                <Name>Address</Name>
                <Value></Value>
            </Parameter>
            <Parameter>
                <Name>Multiplier</Name>
                <Value></Value>
            </Parameter>
        </Row>
    </Results>
</CommandDetails>
</ROUTE>
</Protocol>
</CommandResult>

```

```
        </DeviceEnd>
    </TroubleshootResult>
</AuditResults>
</Data>
```

Run a Functional Audit of a GRE Service

This request is run a functional audit of a GRE service.

| | |
|--------------|--|
| URI | api/space/nsas/gre/service-management/ services/<service-id> |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.service+xml The options for AuditNow and AuditLater can be provided in the Action element within the ?OperationSpecificData?. |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml |
| Produces | Performs a functional audit of a GRE service. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
    <CustomAction xsi:type="FunctionalAuditCustomActionType">
        <Action>AuditNow</Action>
        <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
    </CustomAction>
```

```
</Data>
```

View the Functional Audit Results of a GRE Service

This request is display the functional audit results of a GRE service.

| | |
|-------------|---|
| URI | api/space/nsas/gre/service-management/services/ view-functional-audit/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. functional-audit+xml |
| Produces | Displays the functional audit results of a GRE service. |

Output

Sample XML Output

```
<Data>
  <AuditResults>
    <FunctionalAuditResult>
      <Common>
        <Name>GRE_FULLMESH_002</Name>
        <Identity>163871</Identity>
        <State>Deployed</State>
      </Common>
      <ServiceType>GRE</ServiceType>
      <OperationState>Down</OperationState>
      <ServiceDefinitionName>StdDef-GRE-FullMesh</ServiceDefinitionName>
      <NoOfUNIs>2</NoOfUNIs>
      <UpUNIs>1</UpUNIs>
      <DownUNIs>1</DownUNIs>
      <DeviceEnd>
        <DeviceName>gr-0/0/10 kochin</DeviceName>
        <Topology>N/A</Topology>
```

```

    <OperationState>Down</OperationState>
    <NoOfRemoteUNIs>1</NoOfRemoteUNIs>
    <UpRemoteUNIs>0</UpRemoteUNIs>
    <DownRemoteUNIs>1</DownRemoteUNIs>
    <RemoteEnd>
      <ControlPlaneParams>
        <ControlPanelCommand>
          <Command>get-interface-information</Command>
          <RemoteEndpoint>gr-1/0/10 embassy</RemoteEndpoint>
          <Result>Status: probably configuration missing on device </Result>
        </ControlPanelCommand>
      </ControlPlaneParams>
    </RemoteEnd>
  </DeviceEnd>
</DeviceEnd>
<DeviceEnd>
  <DeviceName>gr-1/0/10 embassy</DeviceName>
  <Topology>N/A</Topology>
  <OperationState>Up</OperationState>
  <NoOfRemoteUNIs>1</NoOfRemoteUNIs>
  <UpRemoteUNIs>1</UpRemoteUNIs>
  <DownRemoteUNIs>0</DownRemoteUNIs>
  <RemoteEnd>
    <ControlPlaneParams>
      <ControlPanelCommand>
        <Command>get-interface-information</Command>
        <RemoteEndpoint>gr-0/0/10 kochin</RemoteEndpoint>
        <CommandStatus>up</CommandStatus>
      </ControlPanelCommand>
    </ControlPlaneParams>
  </RemoteEnd>
</DeviceEnd>
<TroubleshootResult

href="/api/space/nsas/gre/service-management/services/view-troubleshoot-results/163871"

uri="/api/space/nsas/gre/service-management/services/view-troubleshoot-results/163871"
/>
  </FunctionalAuditResult>
</AuditResults>
</Data>

```

View the Service Configuration Change Results of a GRE Service

This request is display the service configuration changes of a GRE service.

| | |
|-------------|--|
| URI | api/space/nsas/gre/service-management/services/view-serviceconfiguration-change/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.config-change+xml |
| Produces | Displays the service configuration change results of a GRE service. |

Output

Sample XML Output

```
<Data>
  <AuditResults>
    <ServiceConfigurationChangeResult>
      <ServiceConfigDeviceEnd>
        <DeviceName>embassy</DeviceName>
        <Configuration>
          <configuration
            xmlns:a="http://transportactivate.jmp.juniper.net/gre/shared"
            xmlns:b="http://jmp.juniper.net/gre/shared">
            <interfaces>
              <interface>
                <name>gr-1/0/10</name>
                <unit>
                  <name>4</name>
                  <tunnel>
                    <source>50.1.2.4</source>
                    <destination>50.1.2.1</destination>
                  </tunnel>
                  <family>
                    <inet />
                    <mpls />
                  </family>
                </unit>
```

```

        </interface>
    </interfaces>
</configuration>
</Configuration>
</ServiceConfigDeviceEnd>
<ServiceConfigDeviceEnd>
    <DeviceName>kochin</DeviceName>
    <Configuration>
        <configuration
            xmlns:a="http://transportactivate.jmp.juniper.net/gre/shared"
            xmlns:b="http://jmp.juniper.net/gre/shared">
            <interfaces>
                <interface>
                    <name>gr-0/0/10</name>
                    <unit>
                        <name>4</name>
                        <tunnel>
                            <source>50.1.2.1</source>
                            <destination>50.1.2.4</destination>
                        </tunnel>
                        <family>
                            <inet />
                            <mpls />
                        </family>
                    </unit>
                </interface>
            </interfaces>
        </configuration>
    </Configuration>
</ServiceConfigDeviceEnd>
</ServiceConfigurationChangeResult>
</AuditResults>
</Data>

```

View the Monitoring and Troubleshooting Results of a GRE Service

This request is display the results of troubleshooting and monitoring operations of a GRE service.

| | |
|-------------|---|
| URI | api/space/nsas/gre/service-management/services/view-troubleshoot-results/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.troubleshoot-results+xml |
| Produces | Displays the troubleshooting results of a GRE service. |

Output (Full-Mesh GRE Service)

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <AuditResults>
    <TroubleshootResult>
      <DeviceEnd>
        <DeviceName>exora</DeviceName>
        <CommandResult>
          <Protocol>
            <NNI>
              <CommandDetails>
                <Command>show interface gr-1/2/0 terse</Command>
                <Results>
                  <Row>
                    <Parameter>
                      <Name>Interface</Name>
                      <Value>
                        gr-1/2/0
                      </Value>
                    </Parameter>
                    <Parameter>
                      <Name>Status</Name>
                      <Value>
                        up
                      </Value>
                    </Parameter>
                  </Row>
                </Results>
              </CommandDetails>
            </NNI>
          </Protocol>
        </CommandResult>
      </DeviceEnd>
    </TroubleshootResult>
  </AuditResults>
</Data>
```

```

        </Parameter>
        <Parameter>
          <Name>CommandStatus</Name>
          <Value>true</Value>
        </Parameter>
        <Parameter>
          <Name>Admin</Name>
          <Value>
            up
          </Value>
        </Parameter>
      </Row>
      <Row>
        <Parameter>
          <Name>Interface</Name>
          <Value>
            gr-1/2/0.1
          </Value>
        </Parameter>
        <Parameter>
          <Name>Status</Name>
          <Value>
            up
          </Value>
        </Parameter>
        <Parameter>
          <Name>CommandStatus</Name>
          <Value>true</Value>
        </Parameter>
        <Parameter>
          <Name>Admin</Name>
          <Value>
            up
          </Value>
        </Parameter>
      </Row>
    </Results>
  </CommandDetails>
</NNI>
<ROUTE>
  <CommandDetails>
    <Command>show ospf neighbor</Command>
  </CommandDetails>

```

```

<Results>
  <Row>
    <Parameter>
      <Name>Interface</Name>
      <Value>ge-0/1/0.0</Value>
    </Parameter>
    <Parameter>
      <Name>State</Name>
      <Value>Full</Value>
    </Parameter>
    <Parameter>
      <Name>Address</Name>
      <Value>40.1.4.1</Value>
    </Parameter>
    <Parameter>
      <Name>ID</Name>
      <Value>50.1.2.2</Value>
    </Parameter>
    <Parameter>
      <Name>Dead</Name>
      <Value>36</Value>
    </Parameter>
    <Parameter>
      <Name>CommandStatus</Name>
      <Value>true</Value>
    </Parameter>
    <Parameter>
      <Name>Priority</Name>
      <Value>128</Value>
    </Parameter>
  </Row>
  <Row>
    <Parameter>
      <Name>Interface</Name>
      <Value>ge-0/1/1.0</Value>
    </Parameter>
    <Parameter>
      <Name>State</Name>
      <Value>Full</Value>
    </Parameter>
    <Parameter>
      <Name>Address</Name>

```

```

        <Value>40.1.1.1</Value>
    </Parameter>
    <Parameter>
        <Name>ID</Name>
        <Value>50.1.2.1</Value>
    </Parameter>
    <Parameter>
        <Name>Dead</Name>
        <Value>30</Value>
    </Parameter>
    <Parameter>
        <Name>CommandStatus</Name>
        <Value>true</Value>
    </Parameter>
    <Parameter>
        <Name>Priority</Name>
        <Value>128</Value>
    </Parameter>
</Row>
</Results>
</CommandDetails>
<CommandDetails>
    <Command>show ldp session</Command>
    <Results>
        <Row>
            <Parameter>
                <Name>Hold Time</Name>
                <Value>29</Value>
            </Parameter>
            <Parameter>
                <Name>State</Name>
                <Value>Operational</Value>
            </Parameter>
            <Parameter>
                <Name>Address</Name>
                <Value>30.1.2.12</Value>
            </Parameter>
            <Parameter>
                <Name>CommandStatus</Name>
                <Value>true</Value>
            </Parameter>
            <Parameter>

```

```

        <Name>Connection</Name>
        <Value>Open</Value>
    </Parameter>
</Row>
<Row>
    <Parameter>
        <Name>Hold Time</Name>
        <Value>27</Value>
    </Parameter>
    <Parameter>
        <Name>State</Name>
        <Value>Operational</Value>
    </Parameter>
    <Parameter>
        <Name>Address</Name>
        <Value>50.1.2.1</Value>
    </Parameter>
    <Parameter>
        <Name>CommandStatus</Name>
        <Value>true</Value>
    </Parameter>
    <Parameter>
        <Name>Connection</Name>
        <Value>Open</Value>
    </Parameter>
</Row>
<Row>
    <Parameter>
        <Name>Hold Time</Name>
        <Value>25</Value>
    </Parameter>
    <Parameter>
        <Name>State</Name>
        <Value>Operational</Value>
    </Parameter>
    <Parameter>
        <Name>Address</Name>
        <Value>50.1.2.2</Value>
    </Parameter>
    <Parameter>
        <Name>CommandStatus</Name>
        <Value>true</Value>
    </Parameter>

```

```

        </Parameter>
        <Parameter>
            <Name>Connection</Name>
            <Value>Open</Value>
        </Parameter>
    </Row>
    <Row>
        <Parameter>
            <Name>Hold Time</Name>
            <Value>23</Value>
        </Parameter>
        <Parameter>
            <Name>State</Name>
            <Value>Operational</Value>
        </Parameter>
        <Parameter>
            <Name>Address</Name>
            <Value>50.1.2.4</Value>
        </Parameter>
        <Parameter>
            <Name>CommandStatus</Name>
            <Value>true</Value>
        </Parameter>
        <Parameter>
            <Name>Connection</Name>
            <Value>Open</Value>
        </Parameter>
    </Row>
</Results>
</CommandDetails>
</ROUTE>
</Protocol>
</CommandResult>
</DeviceEnd>
<DeviceEnd>
    <DeviceName>embassy</DeviceName>
    <CommandResult>
        <Protocol>
            <NNI>
                <CommandDetails>
                    <Command>show interface gr-1/0/10 terse</Command>
                <Results>

```

```

<Row>
  <Parameter>
    <Name>Interface</Name>
    <Value>
      gr-1/0/10
    </Value>
  </Parameter>
  <Parameter>
    <Name>Status</Name>
    <Value>
      up
    </Value>
  </Parameter>
  <Parameter>
    <Name>CommandStatus</Name>
    <Value>true</Value>
  </Parameter>
  <Parameter>
    <Name>Admin</Name>
    <Value>
      up
    </Value>
  </Parameter>
</Row>
<Row>
  <Parameter>
    <Name>Interface</Name>
    <Value>
      gr-1/0/10.1
    </Value>
  </Parameter>
  <Parameter>
    <Name>Status</Name>
    <Value>
      up
    </Value>
  </Parameter>
  <Parameter>
    <Name>CommandStatus</Name>
    <Value>true</Value>
  </Parameter>
  <Parameter>

```

```
<Name>Admin</Name>
<Value>
  up
</Value>
</Parameter>
</Row>
<Row>
  <Parameter>
    <Name>Interface</Name>
    <Value>
      gr-1/0/10.2
    </Value>
  </Parameter>
  <Parameter>
    <Name>Status</Name>
    <Value>
      up
    </Value>
  </Parameter>
  <Parameter>
    <Name>CommandStatus</Name>
    <Value>true</Value>
  </Parameter>
  <Parameter>
    <Name>Admin</Name>
    <Value>
      up
    </Value>
  </Parameter>
</Row>
<Row>
  <Parameter>
    <Name>Interface</Name>
    <Value>
      gr-1/0/10.7
    </Value>
  </Parameter>
  <Parameter>
    <Name>Status</Name>
    <Value>
      up
    </Value>
```

```

    </Parameter>
    <Parameter>
      <Name>CommandStatus</Name>
      <Value>true</Value>
    </Parameter>
    <Parameter>
      <Name>Admin</Name>
      <Value>
        up
      </Value>
    </Parameter>
  </Row>
  <Row>
    <Parameter>
      <Name>Interface</Name>
      <Value>
        gr-1/0/10.8
      </Value>
    </Parameter>
    <Parameter>
      <Name>Status</Name>
      <Value>
        up
      </Value>
    </Parameter>
    <Parameter>
      <Name>CommandStatus</Name>
      <Value>true</Value>
    </Parameter>
    <Parameter>
      <Name>Admin</Name>
      <Value>
        up
      </Value>
    </Parameter>
  </Row>
  <Row>
    <Parameter>
      <Name>Interface</Name>
      <Value>
        gr-1/0/10.13
      </Value>

```

```

    </Parameter>
    <Parameter>
      <Name>Status</Name>
      <Value>
        up
      </Value>
    </Parameter>
    <Parameter>
      <Name>CommandStatus</Name>
      <Value>true</Value>
    </Parameter>
    <Parameter>
      <Name>Admin</Name>
      <Value>
        up
      </Value>
    </Parameter>
  </Row>
</Results>
</CommandDetails>
</NNI>
<ROUTE>
  <CommandDetails>
    <Command>show ospf neighbor</Command>
    <Results>
      <Row>
        <Parameter>
          <Name>Interface</Name>
          <Value>ge-1/0/0.0</Value>
        </Parameter>
        <Parameter>
          <Name>State</Name>
          <Value>Full</Value>
        </Parameter>
        <Parameter>
          <Name>Address</Name>
          <Value>40.1.3.2</Value>
        </Parameter>
        <Parameter>
          <Name>ID</Name>
          <Value>50.1.2.1</Value>
        </Parameter>

```

```

<Parameter>
  <Name>Dead</Name>
  <Value>37</Value>
</Parameter>
<Parameter>
  <Name>CommandStatus</Name>
  <Value>true</Value>
</Parameter>
<Parameter>
  <Name>Priority</Name>
  <Value>128</Value>
</Parameter>
</Row>
<Row>
  <Parameter>
    <Name>Interface</Name>
    <Value>ge-1/0/2.0</Value>
  </Parameter>
  <Parameter>
    <Name>State</Name>
    <Value>Full</Value>
  </Parameter>
  <Parameter>
    <Name>Address</Name>
    <Value>40.1.2.2</Value>
  </Parameter>
  <Parameter>
    <Name>ID</Name>
    <Value>50.1.2.2</Value>
  </Parameter>
  <Parameter>
    <Name>Dead</Name>
    <Value>36</Value>
  </Parameter>
  <Parameter>
    <Name>CommandStatus</Name>
    <Value>true</Value>
  </Parameter>
  <Parameter>
    <Name>Priority</Name>
    <Value>128</Value>
  </Parameter>

```

```

    </Row>
  </Results>
</CommandDetails>
<CommandDetails>
  <Command>show ldp session</Command>
  <Results>
    <Row>
      <Parameter>
        <Name>Hold Time</Name>
        <Value>23</Value>
      </Parameter>
      <Parameter>
        <Name>State</Name>
        <Value>Operational</Value>
      </Parameter>
      <Parameter>
        <Name>Address</Name>
        <Value>30.1.2.12</Value>
      </Parameter>
      <Parameter>
        <Name>CommandStatus</Name>
        <Value>true</Value>
      </Parameter>
      <Parameter>
        <Name>Connection</Name>
        <Value>Open</Value>
      </Parameter>
    </Row>
    <Row>
      <Parameter>
        <Name>Hold Time</Name>
        <Value>29</Value>
      </Parameter>
      <Parameter>
        <Name>State</Name>
        <Value>Operational</Value>
      </Parameter>
      <Parameter>
        <Name>Address</Name>
        <Value>50.1.2.1</Value>
      </Parameter>
      <Parameter>

```

```

        <Name>CommandStatus</Name>
        <Value>true</Value>
    </Parameter>
    <Parameter>
        <Name>Connection</Name>
        <Value>Open</Value>
    </Parameter>
</Row>
<Row>
    <Parameter>
        <Name>Hold Time</Name>
        <Value>27</Value>
    </Parameter>
    <Parameter>
        <Name>State</Name>
        <Value>Operational</Value>
    </Parameter>
    <Parameter>
        <Name>Address</Name>
        <Value>50.1.2.2</Value>
    </Parameter>
    <Parameter>
        <Name>CommandStatus</Name>
        <Value>true</Value>
    </Parameter>
    <Parameter>
        <Name>Connection</Name>
        <Value>Open</Value>
    </Parameter>
</Row>
<Row>
    <Parameter>
        <Name>Hold Time</Name>
        <Value>22</Value>
    </Parameter>
    <Parameter>
        <Name>State</Name>
        <Value>Operational</Value>
    </Parameter>
    <Parameter>
        <Name>Address</Name>
        <Value>50.1.2.3</Value>
    </Parameter>

```

```

        </Parameter>
        <Parameter>
          <Name>CommandStatus</Name>
          <Value>true</Value>
        </Parameter>
        <Parameter>
          <Name>Connection</Name>
          <Value>Open</Value>
        </Parameter>
      </Row>
    </Results>
  </CommandDetails>
</ROUTE>
</Protocol>
</CommandResult>
</DeviceEnd>
</TroubleshootResult>
</AuditResults>
</Data>

```

Output (Hub-and-Spoke GRE Service)

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <AuditResults>
    <TroubleshootResult>
      <DeviceEnd>
        <DeviceName>embassy</DeviceName>
      </DeviceEnd>
      <CommandResult>
        <Protocol>
          <NNI>
            <CommandDetails>
              <Command>show interface gr-1/0/10 terse</Command>
            </CommandDetails>
            <Results>
              <Row>
                <Parameter>
                  <Name>Interface</Name>

```

```

    <Value>
      gr-1/0/10
    </Value>
  </Parameter>
  <Parameter>
    <Name>Status</Name>
    <Value>
      up
    </Value>
  </Parameter>
  <Parameter>
    <Name>CommandStatus</Name>
    <Value>true</Value>
  </Parameter>
  <Parameter>
    <Name>Admin</Name>
    <Value>
      up
    </Value>
  </Parameter>
</Row>
<Row>
  <Parameter>
    <Name>Interface</Name>
    <Value>
      gr-1/0/10.1
    </Value>
  </Parameter>
  <Parameter>
    <Name>Status</Name>
    <Value>
      up
    </Value>
  </Parameter>
  <Parameter>
    <Name>CommandStatus</Name>
    <Value>true</Value>
  </Parameter>
  <Parameter>
    <Name>Admin</Name>
    <Value>
      up

```

```

        </Value>
    </Parameter>
</Row>
<Row>
    <Parameter>
        <Name>Interface</Name>
        <Value>
            gr-1/0/10.2
        </Value>
    </Parameter>
    <Parameter>
        <Name>Status</Name>
        <Value>
            up
        </Value>
    </Parameter>
    <Parameter>
        <Name>CommandStatus</Name>
        <Value>true</Value>
    </Parameter>
    <Parameter>
        <Name>Admin</Name>
        <Value>
            up
        </Value>
    </Parameter>
</Row>
<Row>
    <Parameter>
        <Name>Interface</Name>
        <Value>
            gr-1/0/10.7
        </Value>
    </Parameter>
    <Parameter>
        <Name>Status</Name>
        <Value>
            up
        </Value>
    </Parameter>
    <Parameter>
        <Name>CommandStatus</Name>

```

```

        <Value>true</Value>
    </Parameter>
    <Parameter>
        <Name>Admin</Name>
        <Value>
            up
        </Value>
    </Parameter>
</Row>
<Row>
    <Parameter>
        <Name>Interface</Name>
        <Value>
            gr-1/0/10.8
        </Value>
    </Parameter>
    <Parameter>
        <Name>Status</Name>
        <Value>
            up
        </Value>
    </Parameter>
    <Parameter>
        <Name>CommandStatus</Name>
        <Value>true</Value>
    </Parameter>
    <Parameter>
        <Name>Admin</Name>
        <Value>
            up
        </Value>
    </Parameter>
</Row>
<Row>
    <Parameter>
        <Name>Interface</Name>
        <Value>
            gr-1/0/10.13
        </Value>
    </Parameter>
    <Parameter>
        <Name>Status</Name>

```

```

        <Value>
            up
        </Value>
    </Parameter>
    <Parameter>
        <Name>CommandStatus</Name>
        <Value>true</Value>
    </Parameter>
    <Parameter>
        <Name>Admin</Name>
        <Value>
            up
        </Value>
    </Parameter>
</Row>
</Results>
</CommandDetails>
</NNI>
<ROUTE>
    <CommandDetails>
        <Command>show ospf neighbor</Command>
        <Results>
            <Row>
                <Parameter>
                    <Name>Interface</Name>
                    <Value>ge-1/0/0.0</Value>
                </Parameter>
                <Parameter>
                    <Name>State</Name>
                    <Value>Full</Value>
                </Parameter>
                <Parameter>
                    <Name>Address</Name>
                    <Value>40.1.3.2</Value>
                </Parameter>
                <Parameter>
                    <Name>ID</Name>
                    <Value>50.1.2.1</Value>
                </Parameter>
                <Parameter>
                    <Name>Dead</Name>
                    <Value>36</Value>
            </Row>
        </Results>
    </CommandDetails>
</ROUTE>

```

```

    </Parameter>
    <Parameter>
      <Name>CommandStatus</Name>
      <Value>true</Value>
    </Parameter>
    <Parameter>
      <Name>Priority</Name>
      <Value>128</Value>
    </Parameter>
  </Row>
  <Row>
    <Parameter>
      <Name>Interface</Name>
      <Value>ge-1/0/2.0</Value>
    </Parameter>
    <Parameter>
      <Name>State</Name>
      <Value>Full</Value>
    </Parameter>
    <Parameter>
      <Name>Address</Name>
      <Value>40.1.2.2</Value>
    </Parameter>
    <Parameter>
      <Name>ID</Name>
      <Value>50.1.2.2</Value>
    </Parameter>
    <Parameter>
      <Name>Dead</Name>
      <Value>32</Value>
    </Parameter>
    <Parameter>
      <Name>CommandStatus</Name>
      <Value>true</Value>
    </Parameter>
    <Parameter>
      <Name>Priority</Name>
      <Value>128</Value>
    </Parameter>
  </Row>
</Results>
</CommandDetails>

```

```

<CommandDetails>
  <Command>show ldp session</Command>
  <Results>
    <Row>
      <Parameter>
        <Name>Hold Time</Name>
        <Value>22</Value>
      </Parameter>
      <Parameter>
        <Name>State</Name>
        <Value>Operational</Value>
      </Parameter>
      <Parameter>
        <Name>Address</Name>
        <Value>30.1.2.12</Value>
      </Parameter>
      <Parameter>
        <Name>CommandStatus</Name>
        <Value>true</Value>
      </Parameter>
      <Parameter>
        <Name>Connection</Name>
        <Value>Open</Value>
      </Parameter>
    </Row>
    <Row>
      <Parameter>
        <Name>Hold Time</Name>
        <Value>23</Value>
      </Parameter>
      <Parameter>
        <Name>State</Name>
        <Value>Operational</Value>
      </Parameter>
      <Parameter>
        <Name>Address</Name>
        <Value>50.1.2.1</Value>
      </Parameter>
      <Parameter>
        <Name>CommandStatus</Name>
        <Value>true</Value>
      </Parameter>
    </Row>
  </Results>
</CommandDetails>

```

```

    <Parameter>
      <Name>Connection</Name>
      <Value>Open</Value>
    </Parameter>
  </Row>
<Row>
  <Parameter>
    <Name>Hold Time</Name>
    <Value>26</Value>
  </Parameter>
  <Parameter>
    <Name>State</Name>
    <Value>Operational</Value>
  </Parameter>
  <Parameter>
    <Name>Address</Name>
    <Value>50.1.2.2</Value>
  </Parameter>
  <Parameter>
    <Name>CommandStatus</Name>
    <Value>true</Value>
  </Parameter>
  <Parameter>
    <Name>Connection</Name>
    <Value>Open</Value>
  </Parameter>
</Row>
<Row>
  <Parameter>
    <Name>Hold Time</Name>
    <Value>23</Value>
  </Parameter>
  <Parameter>
    <Name>State</Name>
    <Value>Operational</Value>
  </Parameter>
  <Parameter>
    <Name>Address</Name>
    <Value>50.1.2.3</Value>
  </Parameter>
  <Parameter>
    <Name>CommandStatus</Name>

```

```

        <Value>true</Value>
      </Parameter>
    <Parameter>
      <Name>Connection</Name>
      <Value>Open</Value>
    </Parameter>
  </Row>
</Results>
</CommandDetails>
</ROUTE>
</Protocol>
</CommandResult>
</DeviceEnd>
<DeviceEnd>
  <DeviceName>exora</DeviceName>
  <CommandResult>
    <Protocol>
      <NNI>
        <CommandDetails>
          <Command>show interface gr-1/2/0 terse</Command>
        </Command>
        <Results>
          <Row>
            <Parameter>
              <Name>Interface</Name>
              <Value>
                gr-1/2/0
              </Value>
            </Parameter>
            <Parameter>
              <Name>Status</Name>
              <Value>
                up
              </Value>
            </Parameter>
            <Parameter>
              <Name>CommandStatus</Name>
              <Value>true</Value>
            </Parameter>
            <Parameter>
              <Name>Admin</Name>
              <Value>
                up

```

```

        </Value>
      </Parameter>
    </Row>
    <Row>
      <Parameter>
        <Name>Interface</Name>
        <Value>
          gr-1/2/0.1
        </Value>
      </Parameter>
      <Parameter>
        <Name>Status</Name>
        <Value>
          up
        </Value>
      </Parameter>
      <Parameter>
        <Name>CommandStatus</Name>
        <Value>true</Value>
      </Parameter>
      <Parameter>
        <Name>Admin</Name>
        <Value>
          up
        </Value>
      </Parameter>
    </Row>
  </Results>
</CommandDetails>
</NNI>
<ROUTE>
  <CommandDetails>
    <Command>show ospf neighbor</Command>
    <Results>
      <Row>
        <Parameter>
          <Name>Interface</Name>
          <Value>ge-0/1/1.0</Value>
        </Parameter>
        <Parameter>
          <Name>State</Name>
          <Value>Full</Value>

```

```

    </Parameter>
    <Parameter>
      <Name>Address</Name>
      <Value>40.1.1.1</Value>
    </Parameter>
    <Parameter>
      <Name>ID</Name>
      <Value>50.1.2.1</Value>
    </Parameter>
    <Parameter>
      <Name>Dead</Name>
      <Value>31</Value>
    </Parameter>
    <Parameter>
      <Name>CommandStatus</Name>
      <Value>true</Value>
    </Parameter>
    <Parameter>
      <Name>Priority</Name>
      <Value>128</Value>
    </Parameter>
  </Row>
</Results>
</CommandDetails>
<CommandDetails>
  <Command>show ldp session</Command>
  <Results>
    <Row>
      <Parameter>
        <Name>Hold Time</Name>
        <Value>21</Value>
      </Parameter>
      <Parameter>
        <Name>State</Name>
        <Value>Operational</Value>
      </Parameter>
      <Parameter>
        <Name>Address</Name>
        <Value>30.1.2.12</Value>
      </Parameter>
      <Parameter>
        <Name>CommandStatus</Name>

```

```

        <Value>true</Value>
    </Parameter>
    <Parameter>
        <Name>Connection</Name>
        <Value>Open</Value>
    </Parameter>
</Row>
<Row>
    <Parameter>
        <Name>Hold Time</Name>
        <Value>26</Value>
    </Parameter>
    <Parameter>
        <Name>State</Name>
        <Value>Operational</Value>
    </Parameter>
    <Parameter>
        <Name>Address</Name>
        <Value>50.1.2.1</Value>
    </Parameter>
    <Parameter>
        <Name>CommandStatus</Name>
        <Value>true</Value>
    </Parameter>
    <Parameter>
        <Name>Connection</Name>
        <Value>Open</Value>
    </Parameter>
</Row>
<Row>
    <Parameter>
        <Name>Hold Time</Name>
        <Value>22</Value>
    </Parameter>
    <Parameter>
        <Name>State</Name>
        <Value>Operational</Value>
    </Parameter>
    <Parameter>
        <Name>Address</Name>
        <Value>50.1.2.2</Value>
    </Parameter>

```

```

        <Parameter>
          <Name>CommandStatus</Name>
          <Value>true</Value>
        </Parameter>
        <Parameter>
          <Name>Connection</Name>
          <Value>Open</Value>
        </Parameter>
      </Row>
      <Row>
        <Parameter>
          <Name>Hold Time</Name>
          <Value>21</Value>
        </Parameter>
        <Parameter>
          <Name>State</Name>
          <Value>Operational</Value>
        </Parameter>
        <Parameter>
          <Name>Address</Name>
          <Value>50.1.2.4</Value>
        </Parameter>
        <Parameter>
          <Name>CommandStatus</Name>
          <Value>true</Value>
        </Parameter>
        <Parameter>
          <Name>Connection</Name>
          <Value>Open</Value>
        </Parameter>
      </Row>
    </Results>
  </CommandDetails>
</ROUTE>
</Protocol>
</CommandResult>
</DeviceEnd>
<DeviceEnd>
  <DeviceName>vjx-junos-m10-1-space</DeviceName>
  <CommandResult>
    <Protocol>
      <NNI>

```

```

<CommandDetails>
  <Command>show interface gr-0/0/0 terse</Command>
  <Results>
    <Row>
      <Parameter>
        <Name>Interface</Name>
        <Value>
          gr-0/0/0
        </Value>
      </Parameter>
      <Parameter>
        <Name>Status</Name>
        <Value>
          up
        </Value>
      </Parameter>
      <Parameter>
        <Name>CommandStatus</Name>
        <Value>true</Value>
      </Parameter>
      <Parameter>
        <Name>Admin</Name>
        <Value>
          up
        </Value>
      </Parameter>
    </Row>
    <Row>
      <Parameter>
        <Name>Interface</Name>
        <Value>
          gr-0/0/0.2
        </Value>
      </Parameter>
      <Parameter>
        <Name>Status</Name>
        <Value>
          up
        </Value>
      </Parameter>
      <Parameter>
        <Name>CommandStatus</Name>

```

```

        <Value>true</Value>
    </Parameter>
    <Parameter>
        <Name>Admin</Name>
        <Value>
            up
        </Value>
    </Parameter>
</Row>
<Row>
    <Parameter>
        <Name>Interface</Name>
        <Value>
            gr-0/0/0.3
        </Value>
    </Parameter>
    <Parameter>
        <Name>Status</Name>
        <Value>
            up
        </Value>
    </Parameter>
    <Parameter>
        <Name>CommandStatus</Name>
        <Value>true</Value>
    </Parameter>
    <Parameter>
        <Name>Admin</Name>
        <Value>
            up
        </Value>
    </Parameter>
</Row>
</Results>
</CommandDetails>
</NNI>
<ROUTE>
    <CommandDetails>
        <Command>show ospf neighbor</Command>
    </Results>
    <Row>
        <Parameter>

```

```

        <Name>Interface</Name>
        <Value>
        </Value>
    </Parameter>
    <Parameter>
        <Name>State</Name>
        <Value>
        </Value>
    </Parameter>
    <Parameter>
        <Name>Address</Name>
        <Value>
        </Value>
    </Parameter>
    <Parameter>
        <Name>ID</Name>
        <Value>
        </Value>
    </Parameter>
    <Parameter>
        <Name>Dead</Name>
        <Value>
        </Value>
    </Parameter>
    <Parameter>
        <Name>Priority</Name>
        <Value>
        </Value>
    </Parameter>
</Row>
</Results>
</CommandDetails>
<CommandDetails>
    <Command>show ldp session</Command>
    <Results>
        <Row>
            <Parameter>
                <Name>Hold Time</Name>
                <Value>
                </Value>
            </Parameter>
            <Parameter>

```

```

        <Name>State</Name>
        <Value>
        </Value>
    </Parameter>
    <Parameter>
        <Name>Address</Name>
        <Value>
        </Value>
    </Parameter>
    <Parameter>
        <Name>Connection</Name>
        <Value>
        </Value>
    </Parameter>
</Row>
</Results>
</CommandDetails>
</ROUTE>
</Protocol>
</CommandResult>
</DeviceEnd>
</TroubleshootResult>
</AuditResults>
</Data>
```

Run a Functional Audit of a Static LSP Service

This request is run a functional audit of a Static LSP service.

| | |
|--------------|--|
| URI | api/space/nsas/static-lsp/service-management/ services/<service-id> |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.service+xml The options for AuditNow and AuditLater can be provided in the Action element within the ?OperationSpecificData?. |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml |

Produces

Performs a functional audit of a Static LSP service.

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="FunctionalAuditCustomActionType">
    <Action>AuditNow</Action>
    <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
  </CustomAction>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>16351293</Value>
    </Identity>
    <Job>
      <ID>4883134</ID>
      <Status>INPROGRESS</Status>
      <AssociatedJob>
        <ID>4883135</ID>
        <Status>INPROGRESS</Status>
        <Code>200</Code>
        <Message>The Monitoring Audit was Successfully triggered. Please
          check the status using the JOB ID.</Message>
      </AssociatedJob>
    </Job>
    <Code>200</Code>
    <Message>The Functional Audit was Successfully triggered. Please check
```

```
        the status using the JOB ID.</Message>
    </Status>
</Data>
```

View the Functional Audit Results of a Static LSP Service

This request is display the functional audit results of a Static LSP service.

| | |
|-------------|--|
| URI | api/space/nsas/static-lsp/service-management/services/view-functional-audit/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.functional-audit+xml |
| Produces | Displays the functional audit results of a Static LSP service. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <AuditResults>
    <FunctionalAuditResult>
      <Common>
        <Name>Bypass_SO</Name>
        <Identity>256</Identity>
        <State>Deployed</State>
      </Common>
      <ServiceType>LSP</ServiceType>
      <OperationState>Down</OperationState>
      <ServiceDefinitionName>Bypass_SD</ServiceDefinitionName>
      <NoOfUNIs>2</NoOfUNIs>
      <UpUNIs>0</UpUNIs>
```

```
<DownUNIs>2</DownUNIs>
<DeviceEnd>
  <DeviceName>Bypass_SO_to_30_1_2_1 junos-mx480-space</DeviceName>
  <Topology>LSPP2P</Topology>
  <OperationState>Down</OperationState>
  <NoOfRemoteUNIs>1</NoOfRemoteUNIs>
  <UpRemoteUNIs>0</UpRemoteUNIs>
  <DownRemoteUNIs>1</DownRemoteUNIs>
</DeviceEnd>
<DeviceEnd>
  <DeviceName>Bypass_SO_to_30_1_2_1 junos-space1</DeviceName>
  <Topology>LSPP2P</Topology>
  <OperationState>Down</OperationState>
  <NoOfRemoteUNIs>1</NoOfRemoteUNIs>
  <UpRemoteUNIs>0</UpRemoteUNIs>
  <DownRemoteUNIs>1</DownRemoteUNIs>
</DeviceEnd>
<TroubleshootResult

href="/api/space/nsas/static-lsp/service-management/services/view-troubleshoot-results/256"

uri="/api/space/nsas/static-lsp/service-management/services/view-troubleshoot-results/256"
/>
  </FunctionalAuditResult>
</AuditResults>
</Data>
```

View the Service Configuration Change Results of a Static LSP Service

This request is display the service configuration changes of a Static LSP service.

| | |
|-------------|---|
| URI | api/space/nsas/static-lsp/service-management/ services/view-serviceconfiguration-change/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. config-change+xml |

Produces

Displays the service configuration change results of a Static LSP service.

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data
  xmlns="services.schema.networkapi.jmp.juniper.net">
  <AuditResults>
    <ServiceConfigurationChangeResult>
      <ServiceConfigDeviceEnd>
        <DeviceName>junos-mx480-space</DeviceName>
        <Configuration>
          <configuration
            xmlns:a="http://transportactivate.jmp.juniper.net/lsp/shared"
              xmlns:b="http://jmp.juniper.net/lsp/shared">
            <protocols>
              <mpls>
                <log-updown>
                  <trap/>
                  <trap-path-down/>
                  <trap-path-up/>
                </log-updown>
                <static-label-switched-path>
                  <name>Bypass_SO_to_30_1_2_1</name>
                  <bypass>
                    <next-hop>10.34.5.6</next-hop>
                    <push>1000001</push>
                    <to>30.1.2.1</to>
                  </bypass>
                </static-label-switched-path>
              </mpls>
            </protocols>
          </configuration>
        </Configuration>
      </ServiceConfigDeviceEnd>
    </ServiceConfigDeviceEnd>
    <DeviceName>junos-spacel</DeviceName>
```

```

    <Configuration>
      <configuration
xmlns:a="http://transportactivate.jmp.juniper.net/lsp/shared"
      xmlns:b="http://jmp.juniper.net/lsp/shared">
        <protocols>
          <mpls>
            <log-updown>
              <trap/>
              <trap-path-down/>
              <trap-path-up/>
            </log-updown>
            <static-label-switched-path>
              <name>Bypass_SO_to_30_1_2_1</name>
              <transit>
                <name>1000001</name>
                <next-hop>10.4.5.66</next-hop>
                <pop/>
              </transit>
            </static-label-switched-path>
          </mpls>
        </protocols>
      </configuration>
    </Configuration>
  </ServiceConfigDeviceEnd>
</ServiceConfigurationChangeResult>
</AuditResults>
</Data>

```

View the Monitoring and Troubleshooting Results of a Static LSP Service

This request is display the results of troubleshooting and monitoring operations of a Static LSP service.

| | |
|-------------|--|
| URI | api/space/nsas/static-lsp/service-management/ services/view-troubleshoot-results/<service-id> |
| HTTP Method | GET |

| | |
|----------|---|
| Consumes | application/vnd.net.juniper.space.service-management.troubleshoot-results+xml |
| Produces | Displays the troubleshooting results of a Static LSP service. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <AuditResults>
    <TroubleshootResult>
      <DeviceEnd>
        <DeviceName>junos-mx480-space</DeviceName>
      </DeviceEnd>
      <CommandResult>
        <Protocol>
          <MPLS>
            <CommandDetails>
              <Command>show mpls static-lsp name Bypass_SO_to_30_1_2_1
            </Command>
            <Results>
              <Row>
                <Parameter>
                  <Name>LSP name</Name>
                  <Value>Bypass_SO_to_30_1_2_1</Value>
                </Parameter>
                <Parameter>
                  <Name>State</Name>
                  <Value>Dn</Value>
                </Parameter>
                <Parameter>
                  <Name>Incoming Label</Name>
                  <Value>-</Value>
                </Parameter>
                <Parameter>
                  <Name>CommandStatus</Name>
                  <Value>>false</Value>
                </Parameter>
              </Row>
            </Results>
          </CommandDetails>
        </Protocol>
      </CommandResult>
    </TroubleshootResult>
  </AuditResults>
</Data>
```

```

<CommandDetails>
  <Command>show mpls static-lsp name Bypass_SO_to_30_1_2_1
    extensive</Command>
  <Results>
    <Row>
      <Parameter>
        <Name>Label Operation</Name>
        <Value>Push</Value>
      </Parameter>
      <Parameter>
        <Name>Statistics</Name>
        <Value>-</Value>
      </Parameter>
      <Parameter>
        <Name>LSP name</Name>
        <Value>Bypass_SO_to_30_1_2_1</Value>
      </Parameter>
      <Parameter>
        <Name>State</Name>
        <Value>Dn</Value>
      </Parameter>
      <Parameter>
        <Name>Next Hop</Name>
        <Value>10.34.5.6</Value>
      </Parameter>
      <Parameter>
        <Name>To</Name>
        <Value>30.1.2.1</Value>
      </Parameter>
      <Parameter>
        <Name>CommandStatus</Name>
        <Value>>false</Value>
      </Parameter>
      <Parameter>
        <Name>Bandwidth</Name>
        <Value>0</Value>
      </Parameter>
    </Row>
  </Results>
</CommandDetails>
</MPLS>
<ROUTE>

```

```

    <CommandDetails>
      <Command>show ospf neighbor</Command>
      <Results>
        <Message>Probably configuration missing on device.</Message>
      </Results>
    </CommandDetails>
    <CommandDetails>
      <Command>show ldp session</Command>
      <Results>
        <Message>Probably configuration missing on device.</Message>
      </Results>
    </CommandDetails>
  </ROUTE>
</Protocol>
</CommandResult>
</DeviceEnd>
<DeviceEnd>
  <DeviceName>junos-spacel</DeviceName>
  <CommandResult>
    <Protocol>
      <MPLS>
        <CommandDetails>
          <Command>show mpls static-lsp name Bypass_SO_to_30_1_2_1
          </Command>
          <Results>
            <Row>
              <Parameter>
                <Name>LSP name</Name>
                <Value>Bypass_SO_to_30_1_2_1</Value>
              </Parameter>
              <Parameter>
                <Name>State</Name>
                <Value>Dn</Value>
              </Parameter>
              <Parameter>
                <Name>Incoming Label</Name>
                <Value>1000001</Value>
              </Parameter>
              <Parameter>
                <Name>CommandStatus</Name>
                <Value>>false</Value>
              </Parameter>
            </Row>
          </Results>
        </CommandDetails>
      </MPLS>
    </Protocol>
  </CommandResult>
</DeviceEnd>

```

```

    </Row>
  </Results>
</CommandDetails>
<CommandDetails>
  <Command>show mpls static-lsp name Bypass_SO_to_30_1_2_1
    extensive</Command>
  <Results>
    <Row>
      <Parameter>
        <Name>Label Operation</Name>
        <Value>Pop</Value>
      </Parameter>
      <Parameter>
        <Name>Statistics</Name>
        <Value>-</Value>
      </Parameter>
      <Parameter>
        <Name>LSP name</Name>
        <Value>Bypass_SO_to_30_1_2_1</Value>
      </Parameter>
      <Parameter>
        <Name>State</Name>
        <Value>Dn</Value>
      </Parameter>
      <Parameter>
        <Name>Next Hop</Name>
        <Value>10.4.5.66</Value>
      </Parameter>
      <Parameter>
        <Name>To</Name>
        <Value>-</Value>
      </Parameter>
      <Parameter>
        <Name>CommandStatus</Name>
        <Value>>false</Value>
      </Parameter>
      <Parameter>
        <Name>Bandwidth</Name>
        <Value>0</Value>
      </Parameter>
    </Row>
  </Results>

```

```

    </CommandDetails>
</MPLS>
<ROUTE>
  <CommandDetails>
    <Command>show ldp session</Command>
    <Results>
      <Row>
        <Parameter>
          <Name>Hold Time</Name>
          <Value>0</Value>
        </Parameter>
        <Parameter>
          <Name>State</Name>
          <Value>Connecting</Value>
        </Parameter>
        <Parameter>
          <Name>Address</Name>
          <Value>30.1.2.4</Value>
        </Parameter>
        <Parameter>
          <Name>CommandStatus</Name>
          <Value>>false</Value>
        </Parameter>
        <Parameter>
          <Name>Connection</Name>
          <Value>Opening</Value>
        </Parameter>
      </Row>
      <Row>
        <Parameter>
          <Name>Hold Time</Name>
          <Value>21</Value>
        </Parameter>
        <Parameter>
          <Name>State</Name>
          <Value>Operational</Value>
        </Parameter>
        <Parameter>
          <Name>Address</Name>
          <Value>30.1.2.8</Value>
        </Parameter>
        <Parameter>

```

```

        <Name>CommandStatus</Name>
        <Value>>false</Value>
    </Parameter>
    <Parameter>
        <Name>Connection</Name>
        <Value>Open</Value>
    </Parameter>
</Row>
</Results>
</CommandDetails>
<CommandDetails>
    <Command>show ospf neighbor</Command>
    <Results>
        <Row>
            <Parameter>
                <Name>Interface</Name>
                <Value>ge-0/1/2.0</Value>
            </Parameter>
            <Parameter>
                <Name>State</Name>
                <Value>Full</Value>
            </Parameter>
            <Parameter>
                <Name>Address</Name>
                <Value>20.1.46.1</Value>
            </Parameter>
            <Parameter>
                <Name>ID</Name>
                <Value>30.1.2.8</Value>
            </Parameter>
            <Parameter>
                <Name>Dead</Name>
                <Value>39</Value>
            </Parameter>
            <Parameter>
                <Name>CommandStatus</Name>
                <Value>>true</Value>
            </Parameter>
            <Parameter>
                <Name>Priority</Name>
                <Value>128</Value>
            </Parameter>

```

```
        </Row>
      </Results>
    </CommandDetails>
  </ROUTE>
</Protocol>
</CommandResult>
</DeviceEnd>
</TroubleshootResult>
</AuditResults>
</Data>
```

RSVP LSP Service Definitions Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director RSVP LSP Service Definitions Management RESTful Web Services.

Get All RSVP LSP Service Definitions

This request is used to retrieve all the configured RSVP LSP service definitions.

| | |
|-------------|--|
| URI | api/space/nsas/rsvp-lsp/service-management/service-definitions |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-definitions+xml |
| Produces | Collects all the configured RSVP LSP service definitions. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="4">
    <ServiceDefinition
      href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/69"

      uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/69"
      key="69">
      <Common>
        <Name>RSVP LSP with BFD - P2MP Topology</Name>
        <Identity>69</Identity>
        <State>Published</State>
        <CreatedDate>2013-10-01T05:59:58.000+05:30</CreatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType> RSVP </ServiceType>
    </ServiceDefinition>
    <ServiceDefinition
      href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/48"

      uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/48"
      key="48">
      <Common>
        <Name>RSVP LSP with BFD - Path Protection</Name>
        <Identity>48</Identity>
        <State>Published</State>
        <CreatedDate>2013-10-01T05:59:58.000+05:30</CreatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType> RSVP </ServiceType>
    </ServiceDefinition>
    <ServiceDefinition
      href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/36"

      uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/36"
      key="36">
      <Common>
        <Name>RSVP LSP with Node Link Protection</Name>
        <Identity>36</Identity>
        <State>Published</State>
        <CreatedDate>2013-10-01T05:59:58.000+05:30</CreatedDate>
        <CreatedBy>super</CreatedBy>

```

```
</Common>
<ServiceType> RSVP </ServiceType>
</ServiceDefinition>
<ServiceDefinition
href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/23"

uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/23"
key="23">
<Common>
  <Name>RSVP LSP with Path Protection</Name>
  <Identity>23</Identity>
  <State>Published</State>
  <CreateDate>2013-10-01T05:59:58.000+05:30</CreateDate>
  <CreatedBy>super</CreatedBy>
</Common>
<ServiceType> RSVP </ServiceType>
</ServiceDefinition>
</ServiceResource>
</Data>
```

Get RSVP LSP Service Definition Details By Definition ID

This request is used to retrieve the details of a particular Layer 2 Ethernet LAN (E-LAN) BGP service definition, based on the service definition ID.

| | |
|-------------|---|
| URI | api/space/nsas/rsvp-lsp/service-management/service-definitions/ <servicedefinition-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition+xml;version=2 |
| Produces | Collects the details of a specific RSVP LSP service definition. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>RSVP LSP with BFD - P2MP Topology</Name>
        <Identity>69</Identity>
        <State>Published</State>
        <Comments>RSVP LSP with BFD- P2MP Topology</Comments>
        <CreateDate>2013-10-01T05:59:58.000+05:30</CreateDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>RSVP</ServiceType>
      <TA>
        <Topology>P2MP</Topology>
        <PathSelectionType>CSPF</PathSelectionType>
        <LSPProtectionType>No Protection</LSPProtectionType>
        <LocalProtectionType>N/A</LocalProtectionType>
        <ServiceTemplate>None</ServiceTemplate>
        <Advanced>
          <HopLimit Editable="true" Value="255" />
          <ClassofService Editable="true" Value="1" />
          <Bandwidth Editable="false" Value="0" />
          <HoldPriority Editable="true" Value="0" />
          <SetupPriority Editable="true" Value="7" />
          <RetryLimit Editable="true" Value="30" />
          <Adaptive Editable="false" Value="false" />
          <LDPTunneling Editable="false" Value="false" />
          <FastReroute Editable="false" Value="false" />
          <Standby Editable="true" Value="true" />
        </Advanced>
        <Autobandwidth>
          <AutoBWidth Editable="true" Value="false" />
          <AdjustInterval Editable="false" Value="0" />
          <MaxBandwidth Editable="false" Value="0" />
          <MinBandwidth Editable="false" Value="0" />
        </Autobandwidth>
        <BFD>
          <MinimumInterval Editable="true" Value="300" />
          <MiniRecieveInterval Editable="true" Value="50" />
          <Multiplier Editable="true" Value="3" />
          <NoAdaption Editable="true" Value="true" />
        </BFD>
      </TA>
    </ServiceDefinition>
  </ServiceResource>
</Data>

```

```
<TransmitMinInterval Editable="true" Value="50" />
<TransmitThreshold Editable="true" Value="300" />
<DetectionThreshold Editable="true" Value="1000" />
<FailureAction Editable="true" Value="Teardown" />
</BFD>
</TA>
</ServiceDefinition>
</ServiceResource>
</Data>
```

Create an RSVP LSP Service Definition

This request is used to create an RSVP LSP service definition.

| | |
|--------------|--|
| URI | api/space/nsas/rsvp-lsp/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-definition+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition-status+xml |
| Produces | Creates an RSVP LSP service definition. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>RSVP_LSP_Test_Via_API</Name>
```

```

    <Comments>P2P_CSPF_LP_LinkProtect</Comments>
  </Common>
  <ServiceType>RSVP</ServiceType>
<ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="PTPServiceEndpointGroupParameterDefType"/>
<ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="PTPEndPointParameterDefType"/>
  <TransportActivate xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="RSVPLSPTType">
    <Topology>P2P</Topology>
    <PathSelectionType>CSPF</PathSelectionType>
    <LSPProtectionType>Path Protection</LSPProtectionType>
    <ServiceTemplate>None</ServiceTemplate>
    <Advanced>
      <HopLimit Editable="false">255</HopLimit>
      <ClassofService Editable="false">5</ClassofService>
      <Bandwidth Editable="false">159</Bandwidth>
      <HoldPriority Editable="false">0</HoldPriority>
      <SetupPriority Editable="false">7</SetupPriority>
      <RetryLimit Editable="false">0</RetryLimit>
      <RetryTimer Editable="false">1</RetryTimer>
      <Adaptive Editable="false">false</Adaptive>
      <LDPTunneling Editable="false">false</LDPTunneling>
      <FastReroute Editable="false">false</FastReroute>
      <Standby Editable="false">false</Standby>
    </Advanced>
    <Autobandwidth>
      <AutoBWidth Editable="false">true</AutoBWidth>
      <AdjustInterval Editable="true">86400</AdjustInterval>
      <MaxBandwidth Editable="true">10000</MaxBandwidth>
      <MinBandwidth Editable="true">4545</MinBandwidth>
    </Autobandwidth>
    <BFD>
      <MinimumInterval Editable="false">1</MinimumInterval>
      <MiniRecieveInterval Editable="false">1</MiniRecieveInterval>
      <Multiplier Editable="false">1</Multiplier>
      <NoAdaption Editable="false">false</NoAdaption>
      <TransmitMinInterval Editable="false">10</TransmitMinInterval>
      <TransmitThreshold Editable="false">11</TransmitThreshold>
      <DetectionThreshold Editable="false">2</DetectionThreshold>
    </BFD>
  </TransportActivate>

```

```

    <FailureAction Editable="false">Make before break</FailureAction>
    <TearDownTimeout>30</TearDownTimeout>
  </BFD>
</TransportActivate>
</ServiceDefinition>
</ServiceResource>
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceDefinitionCustomActionType">
    <Action>Publish</Action>
  </CustomAction>

</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceDefinition</Type>
      <Value>98796</Value>
    </Identity>
    <Code>200</Code>
    <Message>ServiceDefinition Created and Published Successfully</Message>
  </Status>
</Data>

```

Publish and Unpublish an RSVP LSP Service Definition

This request is used to publish or unpublish an RSVP LSP service definition.

URI

api/space/nsas/rsvp-lsp/service-management/service-definitions/

| | |
|--------------|---|
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-definition+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition-status+xml Action types are Publish and Unpublish. |
| Produces | Publishes or unpublishes an RSVP LSP service definition. |

Input for Unpublishing a Service Definition

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceDefinitionCustomActionType">
    <Action>UnPublish</Action>
  </CustomAction>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceDefinition</Type>
      <Value>7012365</Value>
    </Identity>
    <Code>200</Code>
    <Message>ServiceDefinition UnPublished Successfully</Message>
  </Status>
</Data>
```

Input for Publishing a Service Definition

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceDefinitionCustomActionType">
    <Action>Publish</Action>
  </CustomAction>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceDefinition</Type>
      <Value>7012365</Value>
    </Identity>
    <Code>200</Code>
    <Message>ServiceDefinition Published Successfully</Message>
  </Status>
</Data>
```

Delete an RSVP LSP Service Definition

This request is used to delete a previously configured RSVP LSP service definition.

| | |
|-------------|---|
| URI | api/space/nsas/rsvp-lsp/service-management/service-definitions/ <servicedefinition-id> |
| HTTP Method | DELETE |

| | |
|----------|---|
| Consumes | application/vnd.net.juniper.space.service-management.service-definition+xml |
| Produces | Deletes an RSVP LSP service definition. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceDefinition</Type>
      <Value>7012365</Value>
    </Identity>
    <Code>200</Code>
    <Message>ServiceDefinition Deleted Successfully</Message>
  </Status>
</Data>
```

Create Service Definition for NorthStar-Managed LSP

This request is used to create a service definition for a NorthStar-managed LSP.

| | |
|---------------|--|
| URL | /api/space/nsas/rsvp-lsp/service-management/service-definitions |
| HTTP Method | POST |
| Sample URL | https://192.0.2.10:8080/api/space/nsas/rsvp-lsp/service-management/service-definitions |
| Accept Header | application/xml |
| Content Type | application/xml; |

Input

Sample XML Input

```

"<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>NorthStar_SD</Name>
        <Comments />
      </Common>
      <ServiceType>RSVP</ServiceType>
      <UseCount>0</UseCount>
      <IsStandard>false</IsStandard>
      <IsNorthStarLSPSD>true</IsNorthStarLSPSD>
      <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterDefType" />
        <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType" />
        <TransportActivate
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="RSVPLSPTType">
          <ProvisioningMethodType>NETCONF</ProvisioningMethodType>
          <Topology>P2P</Topology>
          <Advanced>
            <Bandwidth Editable="false">2</Bandwidth>
            <HopLimit Editable="false">255</HopLimit>
            <SetupPriority Editable="false">7</SetupPriority>
            <HoldPriority Editable="false">3</HoldPriority>
            <TunnelMetric Editable="false">4</TunnelMetric>
            <RoutingMethod Editable="false">RouteByPCC</RoutingMethod>
            <MaxDelay Editable="false">5</MaxDelay>
            <MaxCost Editable="false">6</MaxCost>
          </Advanced>
        </TransportActivate>
      </ServiceDefinition>
    </ServiceResource>
  </Data>
"
```

Output

Sample XML Output

```
"
<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceDefinition</Type>
      <Value>131072</Value>
    </Identity>
    <Code>200</Code>
    <Message>ServiceDefinition Created Successfully</Message>
  </Status>
</Data>"
"
```

Modify Service Definition for NorthStar-Managed LSP

This request is used to modify a configured service definition for a NorthStar-Managed LSP.

| | |
|---------------|---|
| URL | /api/space/nsas/rsvp-lsp/service-management/service-definitions/<defn-id> |
| HTTP Method | POST |
| Sample URL | https://192.0.2.10:8080/api/space/nsas/rsvp-lsp/service-management/service-definitions/131072 |
| Accept Header | application/xml |
| Content Type | application/xml; |

Input

Sample XML Input

```
"<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
```

```

    <ServiceResource>
      <ServiceDefinition>
        <Common>
          <Name>NorthStar_SD</Name>
          <Comments />
        </Common>
        <ServiceType>RSVP</ServiceType>
        <UseCount>0</UseCount>
        <IsStandard>false</IsStandard>
        <IsNorthStarLSPSD>true</IsNorthStarLSPSD>
        <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterDefType" />
          <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType" />
          <TransportActivate
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="RSVPLSPTType">
            <ProvisioningMethodType>NETCONF</ProvisioningMethodType>
            <Topology>P2P</Topology>
            <Advanced>
              <Bandwidth Editable="false">2</Bandwidth>
              <HopLimit Editable="false">255</HopLimit>
              <SetupPriority Editable="false">7</SetupPriority>
              <HoldPriority Editable="false">3</HoldPriority>
              <TunnelMetric Editable="false">5</TunnelMetric>
              <RoutingMethod Editable="false">RouteByPCC</RoutingMethod>
              <MaxDelay Editable="false">5</MaxDelay>
              <MaxCost Editable="false">6</MaxCost>
            </Advanced>
          </TransportActivate>
        </ServiceDefinition>
      </ServiceResource>
    </Data> "
    "

```

Output

Sample XML Output

```
"<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceDefinition</Type>
      <Value>131073</Value>
    </Identity>
    <Code>200</Code>
    <Message>ServiceDefinition Modified Successfully</Message>
  </Status>
</Data>"
"
```

Get Service Definitions for LSPs Managed by NorthStar

This request is used to retrieve all the configured service definitions for LSPs managed by NorthStar.

| | |
|--------------|---|
| URL | /api/space/nsas/rsvp-lsp/service-management/service-definitions/<definitionId> |
| HTTP Method | GET |
| Sample URL | https://192.0.2.10:8080/api/space/nsas/rsvp-lsp/service-management/service-definitions/131073 |
| Accept | application/xml; |
| Content Type | application/xml; |

Input

Not Applicable

Output

Sample XML Output

```
"<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
```

```

<ServiceResource>
  <ServiceDefinition>
    <Common>
      <Name>NorthStar_SD</Name>
      <Identity>131073</Identity>
      <State>Unpublished</State>
      <CreateDate>2018-06-20T12:01:12.000+05:30</CreateDate>
      <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>RSVP</ServiceType>
    <TransportActivate
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="RSVPLSPTType">
      <Topology>P2P</Topology>
      <ProvisioningMethodType>NETCONF</ProvisioningMethodType>
      <LSPProtectionType>Unknown</LSPProtectionType>
      <LocalProtectionType>Unknown</LocalProtectionType>
      <Advanced>
        <HopLimit Editable="false">255</HopLimit>
        <ClassofService Editable="false">0</ClassofService>
        <Bandwidth Editable="false">2</Bandwidth>
        <HoldPriority Editable="false">3</HoldPriority>
        <SetupPriority Editable="false">7</SetupPriority>
        <RetryLimit Editable="false">0</RetryLimit>
        <RetryTimer Editable="false">0</RetryTimer>
        <Adaptive Editable="false">false</Adaptive>
        <LDPTunneling Editable="false">false</LDPTunneling>
        <FastReroute Editable="false">false</FastReroute>
        <Standby Editable="false">false</Standby>
        <TunnelMetric Editable="false">5</TunnelMetric>
        <RoutingMethod Editable="false">RouteByPCC</RoutingMethod>
        <MaxCost Editable="false">6</MaxCost>
        <MaxDelay Editable="false">5</MaxDelay>
        <pathSelectionDef Editable="false">NONE</pathSelectionDef>
        <lspProtectionDef Editable="false">NONE</lspProtectionDef>
      </Advanced>
      <Autobandwidth>
        <AutoBWidth Editable="false">false</AutoBWidth>
        <AdjustInterval Editable="false">0</AdjustInterval>
        <MaxBandwidth Editable="false">0</MaxBandwidth>
        <MinBandwidth Editable="false">0</MinBandwidth>
      </Autobandwidth>

```

```
        </TransportActivate>
        <IsStandard>false</IsStandard>
        <IsNorthStarLSPSD>true</IsNorthStarLSPSD>
    </ServiceDefinition>
</ServiceResource>
</Data>"
"
```

GET List of Published Service Definitions for LSPs Managed by NorthStar

This request is used to retrieve the list of all the published service definitions for LSPs managed by NorthStar.

| | |
|--------------|--|
| URL | /api/space/nsas/rsvp-lsp/service-management/RSVP/service-definitions?isNorthStar=true&published=true |
| HTTP Method | GET |
| Sample URL | https://192.0.2.10/api/space/nsas/rsvp-lsp/service-management/RSVP/service-definitions?isNorthStar=true&published=true |
| Accept | application/vnd.net.juniper.space.service-management.service+xml;version=2 |
| Content Type | Not applicable |

Input

Not Applicable

Output

Sample XML Output

```
" "<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="8">
    <ServiceDefinition key="65536"
uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/65536"
```

href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/65536">

<Common>

<Name>test_lsp_AW</Name>

<Identity>65536</Identity>

<State>Published</State>

<CreateDate>2018-06-19T09:45:34.000Z</CreateDate>

<CreatedBy>super</CreatedBy>

</Common>

<ServiceType>RSVP</ServiceType>

<UseCount>16</UseCount>

<IsStandard>false</IsStandard>

<IsNorthStarLSPSD>true</IsNorthStarLSPSD>

</ServiceDefinition>

<ServiceDefinition key="65537">

uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/65537">

href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/65537">

<Common>

<Name>testa_2018_06_19_10_29_33_371</Name>

<Identity>65537</Identity>

<State>Published</State>

<CreateDate>2018-06-19T10:29:33.000Z</CreateDate>

<CreatedBy>super</CreatedBy>

</Common>

<ServiceType>RSVP</ServiceType>

<UseCount>0</UseCount>

<IsStandard>false</IsStandard>

<IsNorthStarLSPSD>true</IsNorthStarLSPSD>

</ServiceDefinition>

<ServiceDefinition key="65538">

uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/65538">

href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/65538">

<Common>

<Name>test_2018_06_19_12_30_49_271</Name>

<Identity>65538</Identity>

<State>Published</State>

<CreateDate>2018-06-19T12:30:49.000Z</CreateDate>

```

        <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>RSVP</ServiceType>
    <UseCount>6</UseCount>
    <IsStandard>false</IsStandard>
    <IsNorthStarLSPSD>true</IsNorthStarLSPSD>
</ServiceDefinition>
<ServiceDefinition key="65539"
uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/65539"
href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/65539">

    <Common>
        <Name>test_2018_06_19_12_42_00_713</Name>
        <Identity>65539</Identity>
        <State>Published</State>
        <CreateDate>2018-06-19T12:42:01.000Z</CreateDate>
        <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>RSVP</ServiceType>
    <UseCount>0</UseCount>
    <IsStandard>false</IsStandard>
    <IsNorthStarLSPSD>true</IsNorthStarLSPSD>
</ServiceDefinition>
<ServiceDefinition key="65540"
uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/65540"
href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/65540">

    <Common>
        <Name>234test_2018_06_19_12_42_23_179</Name>
        <Identity>65540</Identity>
        <State>Published</State>
        <CreateDate>2018-06-19T12:42:23.000Z</CreateDate>
        <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>RSVP</ServiceType>
    <UseCount>1</UseCount>
    <IsStandard>false</IsStandard>
    <IsNorthStarLSPSD>true</IsNorthStarLSPSD>
</ServiceDefinition>
<ServiceDefinition key="65541"

```

```
uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/65541"
```

```
href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/65541">
```

```
<Common>
```

```
<Name>tst_SR</Name>
```

```
<Identity>65541</Identity>
```

```
<State>Published</State>
```

```
<CreatedDate>2018-06-19T12:46:03.000Z</CreatedDate>
```

```
<CreatedBy>super</CreatedBy>
```

```
</Common>
```

```
<ServiceType>SR</ServiceType>
```

```
<UseCount>1</UseCount>
```

```
<IsStandard>false</IsStandard>
```

```
<IsNorthStarLSPSD>true</IsNorthStarLSPSD>
```

```
</ServiceDefinition>
```

```
<ServiceDefinition key="98304"
```

```
uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/98304"
```

```
href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/98304">
```

```
<Common>
```

```
<Name>test_SRT_2018_06_19_15_06_11_779</Name>
```

```
<Identity>98304</Identity>
```

```
<State>Published</State>
```

```
<CreatedDate>2018-06-19T15:06:12.000Z</CreatedDate>
```

```
<CreatedBy>super</CreatedBy>
```

```
</Common>
```

```
<ServiceType>SR</ServiceType>
```

```
<UseCount>1</UseCount>
```

```
<IsStandard>false</IsStandard>
```

```
<IsNorthStarLSPSD>true</IsNorthStarLSPSD>
```

```
</ServiceDefinition>
```

```
<ServiceDefinition key="131072"
```

```
uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/131072"
```

```
href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/131072">
```

```
<Common>
```

```
<Name>LSP_SO_2018_06_20_07_25_33_152</Name>
```

```
<Identity>131072</Identity>
```

```
<State>Published</State>
```

```

        <CreateDate>2018-06-20T07:25:33.000Z</CreateDate>
        <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>RSVP</ServiceType>
    <UseCount>1</UseCount>
    <IsStandard>false</IsStandard>
    <IsNorthStarLSPSD>true</IsNorthStarLSPSD>
</ServiceDefinition>
</ServiceResource>
</Data> "
"
```

RSVP LSP Service Orders Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director RSVP LSP Service Orders Management RESTful Web Services.

Get All RSVP LSP Service Orders

This request is used to retrieve all the configured RSVP LSP service orders.

| | |
|-------------|---|
| URI | api/space/nsas/rsvp-lsp/service-management/service-orders |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-orders+xml |
| Produces | Collects all the configured RSVP LSP service orders. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
```

```

<ServiceResource size="8">
  <ServiceOrder
    href="/api/space/nsas/rsvp-lsp/service-management/service-orders/196678"
    uri="/api/space/nsas/rsvp-lsp/service-management/service-orders/196678"
    key="196678">
      <Common>
        <Name>RVSP_BFD_P2MP_002</Name>
        <Identity>196678</Identity>
        <State>Invalid</State>
        <Comments>RVSP_BFD_P2MP_002</Comments>
        <CreatedDate>2013-03-05T11:14:23.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-03-05T11:14:23.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>LSP</ServiceType>
      <Signaling></Signaling>
      <Action>Provisioning</Action>
      <Reference>
        <ServiceDefinition>
          <ServiceDefinitionID key="196643"

href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/196643"

uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/196643"
/>
      </ServiceDefinition>
    </Reference>
  </ServiceOrder>
  <ServiceOrder
    href="/api/space/nsas/rsvp-lsp/service-management/service-orders/196668"
    uri="/api/space/nsas/rsvp-lsp/service-management/service-orders/196668"
    key="196668">
      <Common>
        <Name>RVSP_BFD_P2MP_001</Name>
        <Identity>196668</Identity>
        <State>Invalid</State>
        <Comments>RVSP_BFD_P2MP_001</Comments>
        <CreatedDate>2013-03-04T17:24:22.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-03-04T17:24:22.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>

```

```

    <ServiceType>LSP</ServiceType>
    <Signaling></Signaling>
    <Action>Provisioning</Action>
    <Reference>
      <ServiceDefinition>
        <ServiceDefinitionID key="196643"

href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/196643"

uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/196643"
      />
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
<ServiceOrder
  href="/api/space/nsas/rsvp-lsp/service-management/service-orders/196632"
  uri="/api/space/nsas/rsvp-lsp/service-management/service-orders/196632"
  key="196632">
  <Common>
    <Name>TA_BFD_P2P_004</Name>
    <Identity>196632</Identity>
    <State>Invalid</State>
    <CreatedDate>2013-03-04T17:11:41.000+05:30</CreatedDate>
    <LastUpdatedDate>2013-03-04T17:11:41.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <ServiceType>LSP</ServiceType>
  <Signaling></Signaling>
  <Action>Provisioning</Action>
  <Reference>
    <ServiceDefinition>
      <ServiceDefinitionID key="87"
href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/87"

      uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/87"
    />
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
<ServiceOrder
  href="/api/space/nsas/rsvp-lsp/service-management/service-orders/196618"

```

```

uri="/api/space/nsas/rsvp-lsp/service-management/service-orders/196618"
key="196618">
<Common>
  <Name>TA_BFD_P2P_003</Name>
  <Identity>196618</Identity>
  <State>Scheduled</State>
  <CreatedDate>2013-03-04T15:41:38.000+05:30</CreatedDate>
  <LastUpdatedDate>2013-03-04T15:41:38.000+05:30</LastUpdatedDate>
  <CreatedBy>super</CreatedBy>
</Common>
<ServiceType>LSP</ServiceType>
<Signaling></Signaling>
<Action>Provisioning</Action>
<Reference>
  <ServiceDefinition>
    <ServiceDefinitionID key="87"
    href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/87"

    uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/87"
  />
  </ServiceDefinition>
</Reference>
</ServiceOrder>
<ServiceOrder
href="/api/space/nsas/rsvp-lsp/service-management/service-orders/196611"
uri="/api/space/nsas/rsvp-lsp/service-management/service-orders/196611"
key="196611">
<Common>
  <Name>TA_BFD_P2P_002</Name>
  <Identity>196611</Identity>
  <State>Scheduled</State>
  <CreatedDate>2013-03-04T15:38:37.000+05:30</CreatedDate>
  <LastUpdatedDate>2013-03-04T15:38:37.000+05:30</LastUpdatedDate>
  <CreatedBy>super</CreatedBy>
</Common>
<ServiceType>LSP</ServiceType>
<Signaling></Signaling>
<Action>Provisioning</Action>
<Reference>
  <ServiceDefinition>
    <ServiceDefinitionID key="87"
    href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/87"

```

```

        uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/87"
    />
    </ServiceDefinition>
</Reference>
</ServiceOrder>
<ServiceOrder
  href="/api/space/nsas/rsvp-lsp/service-management/service-orders/131142"
  uri="/api/space/nsas/rsvp-lsp/service-management/service-orders/131142"
  key="131142">
  <Common>
    <Name>RSVP_BFD_SD_002</Name>
    <Identity>131142</Identity>
    <State>Invalid</State>
    <CreatedDate>2013-02-28T17:21:25.000+05:30</CreatedDate>
    <LastUpdatedDate>2013-02-28T17:21:25.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <ServiceType>LSP</ServiceType>
  <Signaling></Signaling>
  <Action>Provisioning</Action>
  <Reference>
    <ServiceDefinition>
      <ServiceDefinitionID key="87"
        href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/87"

        uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/87"
      />
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
<ServiceOrder
  href="/api/space/nsas/rsvp-lsp/service-management/service-orders/136"
  uri="/api/space/nsas/rsvp-lsp/service-management/service-orders/136"
  key="136">
  <Common>
    <Name>RSVP_BFD_PATH</Name>
    <Identity>136</Identity>
    <State>Completed</State>
    <Comments>RSVP_BFD_PATH</Comments>
    <CreatedDate>2013-02-08T14:28:42.000+05:30</CreatedDate>
    <LastUpdatedDate>2013-02-08T14:29:08.000+05:30</LastUpdatedDate>

```

```

    <CreatedBy>super</CreatedBy>
  </Common>
  <ServiceType>LSP</ServiceType>
  <Signaling></Signaling>
  <Action>Provisioning</Action>
  <Reference>
    <ServiceDefinition>
      <ServiceDefinitionID key="48"
        href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/48"

        uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/48"
      />
    </ServiceDefinition>
    <Service key="141"
      href="/api/space/nsas/rsvp-lsp/service-management/services/141"
      uri="/api/space/nsas/rsvp-lsp/service-management/services/141" />
    </Reference>
  </ServiceOrder>
  <ServiceOrder
    href="/api/space/nsas/rsvp-lsp/service-management/service-orders/118"
    uri="/api/space/nsas/rsvp-lsp/service-management/service-orders/118"
    key="118">
    <Common>
      <Name>RSVP_BFD_001</Name>
      <Identity>118</Identity>
      <State>Completed</State>
      <CreatedDate>2013-02-08T12:56:26.000+05:30</CreatedDate>
      <LastUpdatedDate>2013-02-08T12:56:49.000+05:30</LastUpdatedDate>
      <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>LSP</ServiceType>
    <Signaling></Signaling>
    <Action>Provisioning</Action>
    <Reference>
      <ServiceDefinition>
        <ServiceDefinitionID key="48"
          href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/48"

          uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/48"
        />
      </ServiceDefinition>
      <Service key="123"

```

```
        href="/api/space/nsas/rsvp-lsp/service-management/services/123"
        uri="/api/space/nsas/rsvp-lsp/service-management/services/123" />
    </Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Get an RSVP LSP Service Order By Order ID

This request is used to retrieve the details of a particular RSVP LSP service order based on the service order ID.

| | |
|-------------|--|
| URI | api/space/nsas/rsvp-lsp/service-management/service-orders/ <serviceOrderId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-order+xml application/vnd.net.juniper.space.service-management. service-order+xml;version=2 |
| Produces | Collects the details of a specific RSVP LSP service order. |

Output (Point-to-Multipoint RSVP LSP Service Order)

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/rsvp-lsp/service-management/service-orders/7372820"

      uri="/api/space/nsas/rsvp-lsp/service-management/service-orders/7372820"
      key="7372820">
```

```

<Common>
  <Name>RSVP_SP_BFD_SO</Name>
  <Identity>10289179</Identity>
  <State>Completed</State>
  <Comments>RSVP_SP_BFD Service Order</Comments>
  <CreatedDate>2013-01-10T13:08:43.000+05:30</CreatedDate>
  <LastUpdatedDate>2013-01-10T13:08:42.000+05:30</LastUpdatedDate>
  <CreatedBy>super</CreatedBy>
</Common>
<Action>Provisioning</Action>
<ServiceEndPointGroup>
  <DeviceInfo>
    <TA href="/api/space/nsas/device-roles/pe-devices/3997766"
uri="/api/space/nsas/device-roles/pe-devices/3997766"
    key="3997766">
      <DeviceName>embassy</DeviceName>
      <DeviceID>3997766</DeviceID>
    </TA>
  </DeviceInfo>
  <ServiceEndPoint>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="RSVPLSPBFDEndPointParameterOrderType">
      <PathName>embassy_path1</PathName>
      <SetupPriority>7</SetupPriority>
      <HoldPriority>0</HoldPriority>
      <ClassOfService>1</ClassOfService>
      <HopLimit>255</HopLimit>
      <Adaptive>true</Adaptive>
      <BandWidth>0</BandWidth>
      <ExistingAdminGroup>
        <Name></Name>
        <GroupValue></GroupValue>
      </ExistingAdminGroup>
      <AdminGroups>
        <IncludeAll></IncludeAll>
        <IncludeAny></IncludeAny>
        <Exclude></Exclude>
      </AdminGroups>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>

```

```

<ServiceEndPointGroup>
  <DeviceInfo>
    <TA>
      <DeviceName>jaipur</DeviceName>
      <DeviceID>3997755</DeviceID>
    </TA>
  </DeviceInfo>
  <ServiceEndPoint>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:type="
RSVPLSPBFDEndPointParameterOrderType ">
      <PathName>embassy_path2</PathName>
      <SetupPriority>7</SetupPriority>
      <HoldPriority>0</HoldPriority>
      <ClassOfService>1</ClassOfService>
      <HopLimit>255</HopLimit>
      <Adaptive>true</Adaptive>
      <BandWidth>0</BandWidth>
      <StandBy>true</StandBy>
      <ExistingAdminGroup>
        <Name></Name>
        <GroupValue></GroupValue>
      </ExistingAdminGroup>
      <AdminGroups>
        <IncludeAll></IncludeAll>
        <IncludeAny></IncludeAny>
        <Exclude></Exclude>
      </AdminGroups>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:type="RSVPLSPBFDConfigParameterOrderType">
  <RetryLimit>3</RetryLimit>
  <RetryTimer>30</RetryTimer>
  <LDPTunneling>true</LDPTunneling>
  <AutoBandWidth>
    <AutoBandwidth>true</AutoBandwidth>
    <AdjustInterval>300</AdjustInterval>
    <MaxBandwidth>100</MaxBandwidth>
    <MinBandwidth>60</MinBandwidth>

```

```

    </AutoBandWidth>
    <ProtectionSetting>
      <LSPProtectionType>Path Protection</LSPProtectionType>
      <LocalProtection>N/A</LocalProtection>
      <FastReroute>Enabled</FastReroute>
    </ProtectionSetting>
    <BFD>
      <BFDDetection>Secondary Path</BFDDetection>
      <BFDDetection>300</BFDDetection>
      <MinReceiveInterval>100</MinReceiveInterval>
      <Multiplier>3</Multiplier>
      <NoAdaption>true</NoAdaption>
      <TransmitMinInterval>50</TransmitMinInterval>
      <TransmitThreshold>300</TransmitThreshold>
      <DetectionThreshold>1000</DetectionThreshold>
      <FailureAction>Make before break</FailureAction>
      <TeardownTimeout>30</TeardownTimeout>
    </BFD>
  </ServiceOrderParameter>
  <Reference>
    <ServiceDefinition>
      <ServiceDefinitionID key="7372800"/>
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output (Point-to-Point RSVP LSP Service Order)

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/rsvp-lsp/service-management/service-orders/196678"
      uri="/api/space/nsas/rsvp-lsp/service-management/service-orders/196678"
      key="196678">

```

```

<Common>
  <Name>RVSP_BFD_P2MP_002</Name>
  <Identity>196678</Identity>
  <State>Invalid</State>
  <Comments>RVSP_BFD_P2MP_002</Comments>
  <CreatedDate>2013-03-05T11:14:23.000+05:30</CreatedDate>
  <LastUpdatedDate>2013-03-05T11:14:23.000+05:30</LastUpdatedDate>
  <CreatedBy>super</CreatedBy>
</Common>
<ServiceType>LSP</ServiceType>
<Signaling></Signaling>
<Action>Provisioning</Action>
<ServiceEndPointGroup>
  <DeviceInfo>
    <TA>
      <DeviceName>jaipur</DeviceName>
      <DeviceID>65570</DeviceID>
      <Source>
        <DeviceName>embassy</DeviceName>
        <DeviceID>65596</DeviceID>
      </Source>
    </TA>
  </DeviceInfo>
  <ServiceEndPoint>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="RSVPLSPBFDEndPointParameterOrderType">
      <PathName>embassy_path1</PathName>
      <SetupPriority>7</SetupPriority>
      <HoldPriority>0</HoldPriority>
      <ClassOfService>2</ClassOfService>
      <HopLimit>255</HopLimit>
      <Adaptive>Disabled</Adaptive>
      <BandWidth>0</BandWidth>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <TA>
      <DeviceName>kochin</DeviceName>
      <DeviceID>65538</DeviceID>

```

```

    <Source>
      <DeviceName>embassy</DeviceName>
      <DeviceID>65596</DeviceID>
    </Source>
  </TA>
</DeviceInfo>
<ServiceEndPoint>
  <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="RSVPLSPBFDEndPointParameterOrderType">
    <PathName>embassy_path2</PathName>
    <SetupPriority>7</SetupPriority>
    <HoldPriority>0</HoldPriority>
    <ClassOfService>2</ClassOfService>
    <HopLimit>255</HopLimit>
    <Adaptive>Disabled</Adaptive>
    <BandWidth>0</BandWidth>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:type="RSVPLSPBFDConfigParameterOrderType">
  <RetryLimit>0</RetryLimit>
  <RetryTimer>30</RetryTimer>
  <BandWidth>0</BandWidth>
  <LDPTunneling>Enabled</LDPTunneling>
  <ProtectionSetting>
    <LSPPProtectionType>No Protection</LSPPProtectionType>
    <LocalProtection>N/A</LocalProtection>
  </ProtectionSetting>
  <BFD>
    <BFDdetection>Primary Path</BFDdetection>
    <MinInterval>300</MinInterval>
    <MinReceiveInterval>50</MinReceiveInterval>
    <Multiplier>3</Multiplier>
    <NoAdaption>false</NoAdaption>
    <TransmitMinInterval>50</TransmitMinInterval>
    <TransmitThreshold>300</TransmitThreshold>
    <DetectionThreshold>300</DetectionThreshold>
    <FailureAction>Make before break</FailureAction>
    <TeardownTimeout>20</TeardownTimeout>

```

```

    </BFD>
  </ServiceOrderParameter>
  <Reference>
    <ServiceDefinition>
      <ServiceDefinitionID key="196643"

href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/196643"

uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/196643"
    />
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Create a Point-to-Point RSVP LSP Service Order

This request is used to create a point-to-point RSVP LSP service order.

| | |
|--------------|---|
| URI | api/space/nsas/rsvp-lsp/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |
| Produces | Creates a point-to-point RSVP LSP service order. |

Input

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>RSVP_BFD_PATH</Name>
        <Identity>136</Identity>
        <State>Completed</State>
        <Comments>RSVP_BFD_PATH</Comments>
        <CreatedDate>2013-02-08T14:28:42.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-02-08T14:29:08.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <TA>
            <DeviceName>embassy</DeviceName>
            <DeviceID>65596</DeviceID>
          </TA>
        </DeviceInfo>
        <ServiceEndPoint>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="RSVPLSPBFDEndPointParameterOrderType">
            <PathName>embassy_path1</PathName>
            <SetupPriority>7</SetupPriority>
            <HoldPriority>0</HoldPriority>
            <ClassOfService>1</ClassOfService>
            <HopLimit>255</HopLimit>
            <Adaptive>Enabled</Adaptive>
            <BandWidth>0</BandWidth>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceEndPointGroup>
    <DeviceInfo>
      <TA>
        <DeviceName>jaipur</DeviceName>
        <DeviceID>65570</DeviceID>
      </TA>
    </DeviceInfo>
    <ServiceEndPoint>

```

```

    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="RSVPLSPBFDEndPointParameterOrderType">
      <PathName>embassy_path2</PathName>
      <SetupPriority>7</SetupPriority>
      <HoldPriority>0</HoldPriority>
      <ClassOfService>1</ClassOfService>
      <HopLimit>255</HopLimit>
      <Adaptive>Enabled</Adaptive>
      <BandWidth>0</BandWidth>
      <StandBy>true</StandBy>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:type="RSVPLSPBFDConfigParameterOrderType">
  <RetryLimit>3</RetryLimit>
  <RetryTimer>30</RetryTimer>
  <BandWidth>0</BandWidth>
  <LDPTunneling>Enabled</LDPTunneling>
  <AutoBandWidth>
    <AutoBandwidth>true</AutoBandwidth>
    <AdjustInterval>300</AdjustInterval>
    <MaxBandwidth>20</MaxBandwidth>
    <MinBandwidth>10</MinBandwidth>
  </AutoBandWidth>
  <ProtectionSetting>
    <LSPProtectionType>Path Protection</LSPProtectionType>
    <LocalProtection>N/A</LocalProtection>
  </ProtectionSetting>
  <BFD>
    <BFDdetection>This LSP</BFDdetection>
    <MinInterval>300</MinInterval>
    <MinReceiveInterval>50</MinReceiveInterval>
    <Multiplier>3</Multiplier>
    <NoAdaption>true</NoAdaption>
    <TransmitMinInterval>50</TransmitMinInterval>
    <TransmitThreshold>300</TransmitThreshold>
    <DetectionThreshold>1000</DetectionThreshold>
    <FailureAction>Teardown</FailureAction>
  </BFD>

```

```

    </ServiceOrderParameter>
    <Reference>
      <ServiceDefinition>
        <ServiceDefinitionID key="48"/>
      </ServiceDefinition>
    </Reference>
  </ServiceOrder>
</ServiceResource>
</Data>

```

Create a Point-to-Multipoint RSVP LSP Service Order

This request is used to create a point-to-multipoint RSVP LSP service order.

| | |
|--------------|--|
| URI | api/space/nsas/rsvp-lsp/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml For the various options in creating ServiceOrder the options must be specified in the Action Element inside OperationSpecificData. The following values can be entered: <ul style="list-style-type: none"> • Save (Create and only Save a SO) • SaveAndValidate (Create, Save, and Validate a SO) Default value when no Custom action is specified. • SaveAndDeployNow (Create, Save, and Deploy a SO) • SaveAndDeployLater (Create, Save, and Deploy Later a SO) |
| Produces | Creates an RSVP LSP service order. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>RVSP_BFD_P2MP_003</Name>
        <Comments>RVSP_BFD_P2MP_002</Comments>
      </Common>
      <ServiceType>LSP</ServiceType>
      <Signaling></Signaling>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <TA>
            <DeviceName>jaipur</DeviceName>
            <DeviceID>65570</DeviceID>
            <Source>
              <DeviceName>embassy</DeviceName>
              <DeviceID>65596</DeviceID>
            </Source>
          </TA>
        </DeviceInfo>
        <ServiceEndPoint>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="RSVPLSPBFDEndPointParameterOrderType">
            <PathName>embassy_path1</PathName>
            <SetupPriority>7</SetupPriority>
            <HoldPriority>0</HoldPriority>
            <ClassOfService>2</ClassOfService>
            <HopLimit>255</HopLimit>
            <BandWidth>0</BandWidth>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <TA>
            <DeviceName>kochin</DeviceName>
            <DeviceID>65538</DeviceID>
            <Source>
```

```

        <DeviceName>embassy</DeviceName>
        <DeviceID>65596</DeviceID>
    </Source>
</TA>
</DeviceInfo>
<ServiceEndPoint>
    <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="RSVPLSPBFDEndPointParameterOrderType">
        <PathName>embassy_path2</PathName>
        <SetupPriority>7</SetupPriority>
        <HoldPriority>0</HoldPriority>
        <ClassOfService>2</ClassOfService>
        <HopLimit>255</HopLimit>
        <BandWidth>0</BandWidth>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:type="RSVPLSPBFDConfigParameterOrderType">
    <RetryLimit>0</RetryLimit>
    <RetryTimer>30</RetryTimer>
    <BandWidth>0</BandWidth>
    <LDPTunneling>Enabled</LDPTunneling>
    <ProtectionSetting>
        <LSPProtectionType>No Protection</LSPProtectionType>
        <LocalProtection>N/A</LocalProtection>
    </ProtectionSetting>
    <BFD>
        <BFDdetection>Primary Path</BFDdetection>
        <MinInterval>300</MinInterval>
        <MinReceiveInterval>50</MinReceiveInterval>
        <Multiplier>3</Multiplier>
        <NoAdaption>false</NoAdaption>
        <TransmitMinInterval>50</TransmitMinInterval>
        <TransmitThreshold>300</TransmitThreshold>
        <DetectionThreshold>300</DetectionThreshold>
        <FailureAction>Make before break</FailureAction>
        <TeardownTimeout>20</TeardownTimeout>
    </BFD>
</ServiceOrderParameter>

```

```
<Reference>
  <ServiceDefinition>
    <ServiceDefinitionID key="196643">
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Create an RSVP LSP Service Order and a Service Definition

This request is used to create an RSVP LSP service order and a service definition in a single REST API call.

| | |
|--------------|---|
| URI | api/space/nsas/rsvp-lsp/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | :application/vnd.net.juniper.space.service-management.service-order+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml |
| Produces | Creates an RSVP LSP service order and a service definition in a single REST API call |

Input

Sample XML Input

```
- <Data xmlns="services.schema.networkapi.jmp.juniper.net">
- <ServiceResource>
- <ServiceDefinition>
- <Common>
  <Name>fm_nocspf</Name>
</Common>
  <ServiceType>RSVP</ServiceType>
```

```

    <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceEndpointGroupParameterDefType" />
    <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType" />
- <TransportActivate xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="RSVPLSPTType">
    <Topology>Full Mesh</Topology>
    <PathSelectionType>CSPF</PathSelectionType>
    <LSPProtectionType Editable="true">Path Protection</LSPProtectionType>
- <Advanced>
    <HopLimit Editable="true">255</HopLimit>
    <ClassofService Editable="true">3</ClassofService>
    <Bandwidth Editable="true">333</Bandwidth>
    <HoldPriority Editable="true">3</HoldPriority>
    <SetupPriority Editable="true">3</SetupPriority>
    <RetryLimit Editable="true">3</RetryLimit>
    <RetryTimer Editable="true">33</RetryTimer>
    <FastReroute Editable="true">true</FastReroute>
    <LDPTunneling Editable="true">true</LDPTunneling>
    <Standby Editable="true">true</Standby>
    <Adaptive Editable="true">true</Adaptive>
    </Advanced>
- <Autobandwidth>
    <AutoBWidth Editable="true">true</AutoBWidth>
    <AdjustInterval Editable="false">86403</AdjustInterval>
    <MaxBandwidth Editable="false">10001</MaxBandwidth>
    <MinBandwidth Editable="false">1003</MinBandwidth>
    </Autobandwidth>
- <BFD>
    <BFDdetection>This LSP</BFDdetection>
    <MinimumInterval Editable="true">300</MinimumInterval>
    <MiniRecieveInterval Editable="true">50</MiniRecieveInterval>
    <Multiplier Editable="true">3</Multiplier>
    <TransmitMinInterval Editable="true">50</TransmitMinInterval>
    <TransmitThreshold Editable="true" />
    <DetectionThreshold Editable="true" />
    <NoAdaption Editable="true">false</NoAdaption>
    <FailureAction Editable="true">Teardown</FailureAction>
    </BFD>
</TransportActivate>

```

```

    </ServiceDefinition>
- <ServiceOrder>
- <Common>
    <Name>fm_nocspf</Name>
  </Common>
    <LSPPattern key="134" />
- <ServiceEndPointGroup>
- <DeviceInfo>
- <TA>
- <Source>
    <DeviceName>MAC11re</DeviceName>
    <DeviceID>65564</DeviceID>
  </Source>
- <Destination>
    <DeviceName>MAC12re</DeviceName>
    <DeviceID>65558</DeviceID>
  </Destination>
</TA>
</DeviceInfo>
- <ServiceEndPoint>
- <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="RSVPLSPBFDEndPointParameterOrderType">
- <PrimaryPath>
    <PathName>pripath1</PathName>
    <SetupPriority>3</SetupPriority>
    <Adaptive>Enabled</Adaptive>
    <HoldPriority>3</HoldPriority>
    <ClassOfService>3</ClassOfService>
    <HopLimit>255</HopLimit>
    <Bandwidth>333</Bandwidth>
- <Paths>
- <Path>
    <PathName>pripath1</PathName>
    <IPAddress>undefined</IPAddress>
    <Connection>undefined</Connection>
  </Path>
</Paths>
</PrimaryPath>
- <SecondaryPath>
    <PathName>pripath2</PathName>
    <SetupPriority>3</SetupPriority>

```

```

    <Adaptive>Enabled</Adaptive>
    <HoldPriority>3</HoldPriority>
    <ClassOfService>3</ClassOfService>
    <HopLimit>255</HopLimit>
    <Bandwidth>333</Bandwidth>
    <StandBy>true</StandBy>
-   <Paths>
-   <Path>
        <PathName>pripath2</PathName>
        <IPAddress>undefined</IPAddress>
        <Connection>undefined</Connection>
    </Path>
    </Paths>
    </SecondaryPath>
    </ServiceEndpointConfiguration>
    </ServiceEndPoint>
    </ServiceEndPointGroup>
-   <ServiceEndPointGroup>
-   <DeviceInfo>
-   <TA>
-   <Source>
        <DeviceName>MAC12re</DeviceName>
        <DeviceID>65558</DeviceID>
    </Source>
-   <Destination>
        <DeviceName>MAC11re</DeviceName>
        <DeviceID>65564</DeviceID>
    </Destination>
    </TA>
    </DeviceInfo>
-   <ServiceEndPoint>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="RSVPLSPBFDEndPointParameterOrderType" />
        </ServiceEndPoint>
    </ServiceEndPointGroup>
-   <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="RSVPLSPBFDConfigParameterOrderType">
        <ClassOfService>3</ClassOfService>
        <HopLimit>255</HopLimit>
        <HoldPriority>3</HoldPriority>
        <SetupPriority>3</SetupPriority>

```

```

    <StandBy>true</StandBy>
    <Adaptive>Enabled</Adaptive>
    <RetryLimit>3</RetryLimit>
    <RetryTimer>33</RetryTimer>
    <BandWidth>333</BandWidth>
    <LDPTunneling>Enabled</LDPTunneling>
-   <AutoBandWidth>
    <AutoBandwidth>true</AutoBandwidth>
    <AdjustInterval>86403</AdjustInterval>
    <MaxBandwidth>10001</MaxBandwidth>
    <MinBandwidth>1003</MinBandwidth>
    </AutoBandWidth>
-   <ProtectionSetting>
    <EnableFR>Enabled</EnableFR>
    </ProtectionSetting>
-   <BFD>
    <BFDdetection>This LSP</BFDdetection>
    <MinInterval>300</MinInterval>
    <MinReceiveInterval>50</MinReceiveInterval>
    <Multiplier>3</Multiplier>
    <NoAdaption>false</NoAdaption>
    <TransmitMinInterval>50</TransmitMinInterval>
    <FailureAction>Teardown</FailureAction>
    </BFD>
    </ServiceOrderParameter>
    </ServiceOrder>
    </ServiceResource>
-   <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndValidate</Action>
    </CustomAction>
  </Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes" ?>
- <Data xmlns="services.schema.networkapi.jmp.juniper.net">
- <Status>

```

```
- <Identity>
  <Type>ServiceOrder</Type>
  <Value>409</Value>
</Identity>
- <Job>
  <ID>196660</ID>
  <Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Deploy, Validate, and Partially-Delete an RSVP LSP Service Order

This request is used to deploy, validate, or partially delete a previously created RSVP LSP service order.

| | |
|--------------|--|
| URI | api/space/nsas/rsvp-lsp/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml |
| Consumes | <div>application/vnd.net.juniper.space.service-management.service-order-status+xml</div> <div>The options must be specified in the Action Element inside OperationSpecificData. The various options are as follows:</div> <div><ul style="list-style-type: none">• DeployNow (Deploy an already created SO)• DeployLater (Deploy Later an already created SO)• ValidateNow (Validate now an already created SO)• ValidateLater (Validate later an already created SO)• PartialDeleteNow (Delete the partially created configuration now)• PartialDeleteLater (Delete the partially created configuration Later)</div> |

Produces

Deploys, validates or, partially-deletes a previously created RSVP LSP service order.

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="ServiceOrderCustomActionType">
    <Action>ValidateNow</Action>

  <ScheduledDateTime>2013-04-09T19:07:18.000+05:30</ScheduledDateTime>
  </CustomAction>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>196789</Value>
    </Identity>
    <Code>200</Code>
    <Message>Service order Deleted Successfully.</Message>
  </Status>
</Data>
```

Delete an RSVP LSP Service Order

This request is used to delete a previously configured RSVP LSP service order.

| | |
|-------------|---|
| URI | api/space/nsas/rsvp-lsp/service-management/service-orders/<serviceOrder-id> |
| HTTP Method | DELETE |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Deletes an RSVP LSP service order. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>196789</Value>
    </Identity>
    <Code>200</Code>
    <Message>Service order Deleted Successfully.</Message>
  </Status>
</Data>
```

View the Pending Configuration of an RSVP LSP Service Order

This request is used to view the details of a RSVP LSP service order that are pending to be applied to a device.

| | |
|-------------|--|
| URI | api/space/nsas/rsvp-lsp/service-management/service-orders/view-pendingorderconfiguration/<serviceOrder-id> |
| HTTP Method | GET |

| | |
|----------|--|
| Consumes | application/vnd.net.juniper.space.service-management.pendingorder-config+xml |
| Produces | Displays the configuration details of a service order pending to be applied to a device. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data
  xmlns="services.schema.networkapi.jmp.juniper.net">
  <PendingOrderConfiguration>
    <PendingOrderConfigDeviceEnd>
      <DeviceName>embassy</DeviceName>
      <Configuration>
        <configuration

xmlns:a="http://transportactivate.jmp.juniper.net/lsp/shared"
      xmlns:b="http://jmp.juniper.net/lsp/shared">
        <protocols>
          <mpls>
            <log-updown>
              <trap/>
              <trap-path-down/>
              <trap-path-up/>
            </log-updown>
            <label-switched-path>
              <name>RSVP_BFD_PATH_100_to_50_1_2_2</name>
              <from>50.1.2.4</from>
              <to>50.1.2.2</to>
              <ldp-tunneling/>
              <oam>
                <bfd-liveness-detection>

<minimum-interval>300</minimum-interval>

<minimum-receive-interval>50</minimum-receive-interval>
              <multiplier>3</multiplier>
              <no-adaptation/>
              <transmit-interval>
```

```

<minimum-interval>50</minimum-interval>
    </transmit-interval>
    <failure-action>
        <teardown/>
    </failure-action>
</bfd-liveness-detection>
</oam>
<auto-bandwidth>

<minimum-bandwidth>10000</minimum-bandwidth>

<maximum-bandwidth>20000</maximum-bandwidth>
    <adjust-interval>300</adjust-interval>
</auto-bandwidth>
<primary>
    <name>embassy_path1</name>
    <class-of-service>1</class-of-service>
    <hop-limit>255</hop-limit>
    <adaptive/>
</primary>
<secondary>
    <name>embassy_path2</name>
    <class-of-service>1</class-of-service>
    <hop-limit>255</hop-limit>
    <standby/>
    <adaptive/>
</secondary>
</label-switched-path>
<path>
    <name>embassy_path1</name>
    <path-list>
        <name>10.216.114.114</name>
        <loose/>
    </path-list>
</path>
<path>
    <name>embassy_path2</name>
    <path-list>
        <name>10.216.114.110</name>
        <loose/>
    </path-list>

```

```

        </path>
      </mpls>
    </protocols>
  </configuration>
</Configuration>
</PendingOrderConfigDeviceEnd>
</PendingOrderConfiguration>
</Data>

```

Get an RSVP LSP Service Order Without BFD with Admin Groups By Order ID

This request is used to retrieve the details of a particular RSVP LSP service order without BFD with admin groups, based on the service order ID.

| | |
|-------------|--|
| URI | api/space/nsas/rsvp-lsp/service-management/service-orders/<serviceOrderId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml application/vnd.net.juniper.space.service-management.service-order+xml;version=2 |
| Produces | Collects the details of a specific RSVP LSP service order without BFD with admin groups. |

Output (With Admin Groups)

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/rsvp-lsp/service-management/service-orders/393282"
    >

```

```

uri="/api/space/nsas/rsvp-lsp/service-management/service-orders/393282"
key="393282">
<Common>
  <Name>test_admin</Name>
  <Identity>393282</Identity>
  <State>Requested</State>
  <CreatedDate>2013-12-29T11:42:46.000+05:30</CreatedDate>
  <LastUpdatedDate>2013-12-29T11:42:46.000+05:30</LastUpdatedDate>
  <CreatedBy>super</CreatedBy>
</Common>
<ServiceType>LSP</ServiceType>
<LSPPattern key="102"
uri="/api/space/nsas/lsp-pattern/service-management/service-patterns/102"

href="/api/space/nsas/lsp-pattern/service-management/service-patterns/102">

  <PatternName>Default LSP Pattern</PatternName>
  <PatternID>102</PatternID>
  <PatternTemplate>$Name_to_$EgressLoopbackAddress</PatternTemplate>
</LSPPattern>
<Signaling></Signaling>
<Action>Provisioning</Action>
<ServiceEndPointGroup>
  <DeviceInfo>
    <TA>
      <Source>
        <DeviceName>embassy</DeviceName>
        <DeviceID>98626</DeviceID>
      </Source>
      <Destination>
        <DeviceName>junos-space2</DeviceName>
        <DeviceID>98778</DeviceID>
      </Destination>
    </TA>
  </DeviceInfo>
  <ServiceEndPoint>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="RSVPLSPBFDEndPointParameterOrderType">
      <PrimaryPath>
        <PathName>primary</PathName>
        <SetupPriority>7</SetupPriority>

```

```

    <Adaptive>Disabled</Adaptive>
    <HoldPriority>0</HoldPriority>
    <ClassOfService>0</ClassOfService>
    <HopLimit>255</HopLimit>
    <StandBy>false</StandBy>
    <Bandwidth>0</Bandwidth>
    <AdminGroups>
      <IncludeAll>copper,silver,gold</IncludeAll>
      <IncludeAny></IncludeAny>
      <Exclude>silver</Exclude>
    </AdminGroups>
  </PrimaryPath>
  <SecondaryPath>
    <PathName>Second</PathName>
    <SetupPriority>7</SetupPriority>
    <Adaptive>Disabled</Adaptive>
    <HoldPriority>0</HoldPriority>
    <ClassOfService>0</ClassOfService>
    <HopLimit>255</HopLimit>
    <StandBy>false</StandBy>
    <Bandwidth>0</Bandwidth>
    <AdminGroups>
      <IncludeAll></IncludeAll>
      <IncludeAny></IncludeAny>
      <Exclude></Exclude>
    </AdminGroups>
  </SecondaryPath>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="RSVPLSPBFDConfigParameterOrderType">
    <RetryLimit>0</RetryLimit>
    <RetryTimer>30</RetryTimer>
    <BandWidth>0</BandWidth>
    <LDPTunneling>Disabled</LDPTunneling>
    <AutoBandWidth>
      <AutoBandwidth>false</AutoBandwidth>
    <AdjustInterval>0</AdjustInterval>
    <MaxBandwidth>0</MaxBandwidth>
    <MinBandwidth>0</MinBandwidth>

```

```

    </AutoBandWidth>
    <ProtectionSetting>
      <LSPProtectionType>Path Protection</LSPProtectionType>
      <LocalProtection>N/A</LocalProtection>
    </ProtectionSetting>
    <BFD>
      <BFDdetection>Primary Path</BFDdetection>
      <MinInterval>310</MinInterval>
      <MinReceiveInterval>55</MinReceiveInterval>
      <Multiplier>3</Multiplier>
      <NoAdaption>false</NoAdaption>
      <TransmitMinInterval>55</TransmitMinInterval>
      <TransmitThreshold>155</TransmitThreshold>
      <DetectionThreshold>180</DetectionThreshold>
      <FailureAction>Teardown</FailureAction>
    </BFD>
  </ServiceOrderParameter>
  <Reference>
    <ServiceDefinition>
      <ServiceDefinitionID key="393216"

href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/393216"

uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/393216"
    />
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output (Without Admin Groups)

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/rsvp-lsp/service-management/service-orders/327768"
      uri="/api/space/nsas/rsvp-lsp/service-management/service-orders/327768"
      key="327768">
        <Common>
          <Name>so_p2pWbfd</Name>
          <Identity>327768</Identity>
          <State>Validated</State>
          <CreatedDate>2013-12-27T18:54:30.000+05:30</CreatedDate>
          <LastUpdatedDate>2013-12-27T18:54:30.000+05:30</LastUpdatedDate>
          <CreatedBy>super</CreatedBy>
        </Common>
        <ServiceType>LSP</ServiceType>
        <LSPPattern key="102"
          uri="/api/space/nsas/lsp-pattern/service-management/service-patterns/102"

          href="/api/space/nsas/lsp-pattern/service-management/service-patterns/102">

          <PatternName>Default LSP Pattern</PatternName>
          <PatternID>102</PatternID>
          <PatternTemplate>$Name_to_$EgressLoopbackAddress</PatternTemplate>
        </LSPPattern>
        <Signaling></Signaling>
        <Action>Provisioning</Action>
        <ServiceEndPointGroup>
          <DeviceInfo>
            <TA>
              <Source>
                <DeviceName>embassy</DeviceName>
                <DeviceID>98626</DeviceID>
              </Source>
              <Destination>
                <DeviceName>exora</DeviceName>
                <DeviceID>98878</DeviceID>
              </Destination>
            </TA>
          </DeviceInfo>
          <ServiceEndPoint>
            <ServiceEndpointConfiguration

```

```

    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="RSVPLSPEndPointParameterOrderType">
  <PrimaryPath>
    <PathName>EmbPath1</PathName>
    <SetupPriority>7</SetupPriority>
    <Adaptive>Disabled</Adaptive>
    <HoldPriority>0</HoldPriority>
    <ClassOfService>0</ClassOfService>
    <HopLimit>255</HopLimit>
    <StandBy>>false</StandBy>
    <AdminGroups>
      <IncludeAll></IncludeAll>
      <IncludeAny></IncludeAny>
      <Exclude></Exclude>
    </AdminGroups>
  </PrimaryPath>
  <SecondaryPath>
    <PathName>EmbPath4</PathName>
    <SetupPriority>7</SetupPriority>
    <Adaptive>Disabled</Adaptive>
    <HoldPriority>0</HoldPriority>
    <ClassOfService>0</ClassOfService>
    <HopLimit>255</HopLimit>
    <StandBy>>false</StandBy>
    <AdminGroups>
      <IncludeAll></IncludeAll>
      <IncludeAny></IncludeAny>
      <Exclude></Exclude>
    </AdminGroups>
  </SecondaryPath>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="RSVPLSPConfigOrderParameterType" />
<Reference>
  <ServiceDefinition>
    <ServiceDefinitionID key="327694"

href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/327694"

```

```
uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/327694"
/>
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Create an RSVP LSP Service Order Without BFD with Admin Groups

This request is used to create an RSVP LSP service order without BFD with admin groups.

| | |
|--------------|---|
| URI | api/space/nsas/rsvp-lsp/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |
| Produces | Creates an RSVP LSP service order without BFD with admin groups. |

Input (Without BFD and Without Admin groups)

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>so_p2pWbfdAPI</Name>
```

```

    <CreatedBy>super</CreatedBy>
</Common>
<ServiceType>LSP</ServiceType>

<Signaling></Signaling>
<Action>Provisioning</Action>
<ServiceEndPointGroup>
  <DeviceInfo>
    <TA>
      <Source>
        <DeviceName>embassy</DeviceName>
        <DeviceID>98626</DeviceID>
      </Source>
      <Destination>
        <DeviceName>exora</DeviceName>
        <DeviceID>98878</DeviceID>
      </Destination>
    </TA>
  </DeviceInfo>
  <ServiceEndPoint>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="RSVPLSPEndPointParameterOrderType">
      <PrimaryPath>
        <PathName>EmbPath1</PathName>          <AdminGroups>
        <IncludeAll></IncludeAll>
        <IncludeAny></IncludeAny>
        <Exclude></Exclude>
      </AdminGroups>
      </PrimaryPath>
      <SecondaryPath>
        <PathName>EmbPath4</PathName>          <AdminGroups>
        <IncludeAll></IncludeAll>
        <IncludeAny></IncludeAny>
        <Exclude></Exclude>
      </AdminGroups>
      </SecondaryPath>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

```

```

        xsi:type="RSVPLSPConfigOrderParameterType" />
    <Reference>
        <ServiceDefinition>
            <ServiceDefinitionID key="327694"
            />
        </ServiceDefinition>
    </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Input (Without BFD and With Admin Groups)

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
        <ServiceOrder>
            <Common>
                <Name>p2p_wobfd_admin_so_api</Name>
                <CreatedBy>super</CreatedBy>
            </Common>
            <ServiceType>LSP</ServiceType>
            <LSPPattern>
                <PatternName>Default LSP Pattern</PatternName>
                <PatternID>102</PatternID>
                <PatternTemplate>$Name_to_$EgressLoopbackAddress</PatternTemplate>
            </LSPPattern>
            <Signaling></Signaling>
            <Action>Provisioning</Action>
            <ServiceEndPointGroup>
                <DeviceInfo>
                    <TA>
                        <Source>
                            <DeviceName>exora</DeviceName>
                            <DeviceID>98878</DeviceID>
                        </Source>
                        <Destination>
                            <DeviceName>junos-space2</DeviceName>

```

```

        <DeviceID>98778</DeviceID>
    </Destination>
</TA>
</DeviceInfo>
<ServiceEndPoint>
    <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="RSVPLSPEndPointParameterOrderType">
        <PrimaryPath>
            <PathName>EmbPath4</PathName>                <AdminGroups>
            <IncludeAll>copper,silver,gold</IncludeAll>
            <IncludeAny>copper</IncludeAny>
            <Exclude>silver</Exclude>
        </AdminGroups>
        </PrimaryPath>
        <SecondaryPath>
            <PathName>Timex1</PathName>                <AdminGroups>
            <IncludeAll></IncludeAll>
            <IncludeAny></IncludeAny>
            <Exclude></Exclude>
        </AdminGroups>
        </SecondaryPath>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

    xsi:type="RSVPLSPConfigOrderParameterType">

</ServiceOrderParameter>
<Reference>
    <ServiceDefinition>
        <ServiceDefinitionID key="327694"/>
    </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Get Job Details By Job ID for an RSVP LSP Point-to-Point Service Order

This request is used to obtain the details of a specific job, based on its unique identifier, for an RSVP LSP service order.

| | |
|----------------------|--|
| URI | /api/space/nsas/rsvp-lsp/service-management/service-orders/jobId/{jobID} |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-orders+xml |
| Produces | Retrieves the details of a particular job. |
| Mandatory Parameters | jobID |

Output

Sample XML Output

```
<Data>
  <JobDetailsType>
    <jobDetailType>
      <nodeName>PE3_re0</nodeName>
      <statusMessage>Success</statusMessage>
      <jobStatus>VALIDATED</jobStatus>
      <serviceName>asdasdas</serviceName>
    </jobDetailType>
    <jobDetailType>
      <nodeName>PE4_re0</nodeName>
      <statusMessage>Success</statusMessage>
      <jobStatus>VALIDATED</jobStatus>
      <serviceName>asdasdas</serviceName>
    </jobDetailType>
    <jobDetailType>
      <nodeName>PE2_re0</nodeName>
      <statusMessage>Success</statusMessage>
      <jobStatus>VALIDATED</jobStatus>
      <serviceName>asdasdas</serviceName>
    </jobDetailType>
  </JobDetailsType>
</Data>
```

```
</JobDetailsType>
</Data>
```

Create LSP Service Order

This request is used to create an LSP Service Order.

| | |
|---------------|---|
| URL | /api/space/nsas/csd/service-order |
| HTTP Method | POST |
| Sample URL | https://192.0.2.10/api/space/nsas/csd/service-order |
| Accept Header | application/xml |
| Content Type | application/xml |

Request

```
" "<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>LSP_SO</Name>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>RSVP</ServiceType>
      <ProvisioningMethodType>NETCONF</ProvisioningMethodType>
      <IsNorthStarLSPSD>true</IsNorthStarLSPSD>
      <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPSERVICEEndpointGroupParameterDefType" />
        <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPEndPointParameterDefType" />
          <TransportActivate xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="RSVPLSPType">
            <Topology>P2P</Topology>
            <ProvisioningMethodType Editable="true">NETCONF</ProvisioningMethodType>
```

```

    <Advanced>
      <HopLimit Editable="true">-1</HopLimit>
      <Bandwidth Editable="true">-1</Bandwidth>
      <HoldPriority Editable="true">0</HoldPriority>
      <SetupPriority Editable="true">7</SetupPriority>
      <TunnelMetric Editable="true">-1</TunnelMetric>
      <RoutingMethod Editable="true">RouteByPCC</RoutingMethod>
      <MaxCost Editable="true">-1</MaxCost>
      <MaxDelay Editable="true">-1</MaxDelay>
    </Advanced>
  </TransportActivate>
</ServiceDefinition>
<ServiceOrder>
  <Common>
    <Name>LSP_SO</Name>
    <CreatedBy>super</CreatedBy>
  </Common>
  <LSPPattern key="1" />
  <ServiceEndPointGroup>
    <DeviceInfo>
      <TA>
        <Source>
          <DeviceName>ARI2re</DeviceName>
          <DeviceID>32769</DeviceID>
        </Source>
        <Destination>
          <DeviceName>ARI3re</DeviceName>
          <DeviceID>32768</DeviceID>
        </Destination>
      </TA>
    </DeviceInfo>
    <ServiceEndPoint>
      <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="RSVPLSPBFDEndPointParameterOrderType" />
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="RSVPLSPBFDConfigParameterOrderType">
    <TunnelMetric>-1</TunnelMetric>
    <ProvisioningMethodType>NETCONF</ProvisioningMethodType>
    <RoutingMethod>RouteByPCC</RoutingMethod>
  </ServiceOrderParameter>
</ServiceOrder>

```

```

        <MaxCost>-1</MaxCost>
        <MaxDelay>-1</MaxDelay>
        <HopLimit>-1</HopLimit>
        <HoldPriority>0</HoldPriority>
        <SetupPriority>7</SetupPriority>
        <RetryLimit>0</RetryLimit>
        <RetryTimer>30</RetryTimer>
        <BandWidth>-1</BandWidth>
        <ProtectionSetting>
            <LSPPProtectionType>Path Protection</LSPPProtectionType>
        </ProtectionSetting>
    </ServiceOrderParameter>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndDeployNow</Action>
</CustomAction>
</Data> "
"

```

Response

```

"<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
        <Identity>
            <Type>ServiceOrder</Type>
            <Value>98304</Value>
        </Identity>
        <Job>
            <ID>851975</ID>
            <Status>INPROGRESS</Status>
        </Job>
        <Code>200</Code>
        <Message>Service Order Created Successfully and Deployment is in Progress.
Please check the status using the JOB ID.</Message>
    </Status>
</Data> "
"

```

GET LSP Service Order

This request is used to retrieve previously configured LSP service orders.

| | |
|--------------|--|
| URL | /api/space/nsas/rsvp-lsp/service-management/services/paging/<id> |
| HTTP Method | GET |
| Sample URL | https://192.0.2.10/api/space/nsas/rsvp-lsp/service-management/services/paging/98304 |
| Accept | application/vnd.net.juniper.space.service-management.service-order+xml;version=2; |
| Content Type | application/vnd.net.juniper.space.service-management.service-order+xml;version=2; charset=UTF-8; |

Request

Not Applicable

Response

```

"<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service key="98304"
uri="/api/space/nsas/rsvp-lsp/service-management/services/98304"
href="/api/space/nsas/rsvp-lsp/service-management/services/98304">
      <Common>
        <Name>LSP_SO</Name>
        <Identity>98304</Identity>
        <State>Deployed</State>
        <CreatedDate>2018-06-20T07:25:38.000Z</CreatedDate>
        <LastUpdatedDate>2018-06-20T07:25:38.000Z</LastUpdatedDate>
      </Common>
      <ServiceType>LSP</ServiceType>
      <LSPPattern
href="/api/space/nsas/lsp-pattern/service-management/service-patterns/1"
uri="/api/space/nsas/lsp-pattern/service-management/service-patterns/1" key="1">
        <PatternName>Default LSP Pattern</PatternName>
        <PatternID>1</PatternID>
        <PatternTemplate>$Name_to_$EgressLoopbackAddress</PatternTemplate>
      </LSPPattern>
      <CreatedFrom>Tunnel</CreatedFrom>
    </Service>
  </ServiceResource>
</Data>

```

```

    <DeployBy>NorthStar</DeployBy>
    <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
        <SLAStatus>None</SLAStatus>
        <OverallStatus>N/A</OverallStatus>
    </AuditFlag>
    <endpointcount>1</endpointcount>
    <ServiceEndPointGroup>
        <DeviceInfo>
            <TA>
                <Source key="32769"
uri="/api/space/nsas/prestage-ta-device/manage-devices/devices/32769"
href="/api/space/nsas/prestage-ta-device/manage-devices/devices/32769">
                    <DeviceName>ARI2re</DeviceName>
                    <DeviceID>32769</DeviceID>
                    <CMPDeviceID>32769</CMPDeviceID>
                    <Role>N_PE</Role>
                </Source>
                <Destination key="32768"
uri="/api/space/nsas/prestage-ta-device/manage-devices/devices/32768"
href="/api/space/nsas/prestage-ta-device/manage-devices/devices/32768">
                    <DeviceName>ARI3re</DeviceName>
                    <DeviceID>32768</DeviceID>
                    <CMPDeviceID>32768</CMPDeviceID>
                    <Role>N_PE</Role>
                </Destination>
                <LSPName>LSP_SO_to_128_204_49_215</LSPName>
                <NSLSPIndex>388</NSLSPIndex>
            </TA>
        </DeviceInfo>
    </ServiceEndPoint>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="RSVPLSPBFDEndPointParameterServiceType" />
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceTemplates />
    <ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="RSVPLSPBFDConfigParameterServiceType">
        <RetryLimit>0</RetryLimit>
        <RetryTimer>30</RetryTimer>
        <LDPTunneling>Disabled</LDPTunneling>
        <AutoBandWidth>

```

```

        <AutoBandwidth>false</AutoBandwidth>
        <AdjustInterval>0</AdjustInterval>
        <MaxBandwidth>0</MaxBandwidth>
        <MinBandwidth>0</MinBandwidth>
    </AutoBandWidth>
    <ProtectionSetting>
        <LSPProtectionType>Unknown</LSPProtectionType>
        <LocalProtection>N/A</LocalProtection>
        <EnableFR>Disabled</EnableFR>
    </ProtectionSetting>
    <StandBy>true</StandBy>
    <Adaptive>Disabled</Adaptive>
    <SetupPriority>7</SetupPriority>
    <HoldPriority>0</HoldPriority>
    <MaxCost>-1</MaxCost>
    <MaxDelay>-1</MaxDelay>
    <TunnelMetric>-1</TunnelMetric>
    <RoutingMethod>RouteByPCC</RoutingMethod>
    <ProvisioningMethodType>NETCONF</ProvisioningMethodType>
</ServiceParameters>
<Reference>
    <ServiceOrder
uri=""/api/space/nsas/rsvp-lsp/service-management/service-orders/98304""
href=""/api/space/nsas/rsvp-lsp/service-management/service-orders/98304""
key=""98304"" />
    <ServiceDefinition>
        <ServiceDefinitionID
uri=""/api/space/nsas/rsvp-lsp/service-management/service-definitions/131072""
href=""/api/space/nsas/rsvp-lsp/service-management/service-definitions/131072""
key=""131072"" />
    </ServiceDefinition>
</Reference>
</Service>
</ServiceResource>
</Data> "
"

```

Get Decommissioned Service Orders for LSP Service Definitions

This request is used to retrieve decommissioned service orders for LSP service definitions.

| | |
|-----|---|
| URL | /api/space/nsas/rsvp-lsp/service-management/service-orders/decomserviceorders?defnId=<defnId> |
|-----|---|

| | |
|---------------|---|
| HTTP Method | GET |
| Sample URL | https://192.0.2.10:8443/api/space/nsas/rsvp-lsp/service-management/service-orders/decomserviceorders?defnId=4 |
| Accept Header | application/vnd.net.juniper.space.service-management.service-orders+xml |
| Content Type | application/vnd.net.juniper.space.service-management.service-orders+xml |

Request

Not Applicable

Response

```

"<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="1">
    <ServiceOrder key="3">
      uri="/api/space/nsas/rsvp-lsp/service-management/service-orders/3"
      href="/api/space/nsas/rsvp-lsp/service-management/service-orders/3">
        <Common>
          <Name>Test2_decommission_Jun-19-2018_01-24-24</Name>
          <Identity>3</Identity>
          <State>Completed</State>
          <ScheduledState>Completed</ScheduledState>
          <CreateDate>2018-06-19T01:24:25.000+05:30</CreateDate>
          <LastUpdatedDate>2018-06-19T01:24:35.000+05:30</LastUpdatedDate>
          <CreatedBy>super</CreatedBy>
          <CreatedFrom>Tunnel</CreatedFrom>
          <DeployBy>CSD</DeployBy>
        </Common>
        <ServiceType>LSP</ServiceType>
        <JobIdsList>229400</JobIdsList>
        <Signaling />
        <Action>Decommission</Action>
        <endpointcount>0</endpointcount>
        <Reference>
          <Customer uri="/api/space/nsas/customer-management/customers/-1"
href="/api/space/nsas/customer-management/customers/-1" key="-1" />
          <ServiceDefinition>
            <ServiceDefinitionID

```

```
uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/9"
href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/9" key="9">

<ServiceDefinitionName>ELAN-Hub-Spoke-QinQ-AllVLAN</ServiceDefinitionName>
  </ServiceDefinitionID>
  </ServiceDefinition>
  <Service uri="/api/space/nsas/rsvp-lsp/service-management/services/2"
href="/api/space/nsas/rsvp-lsp/service-management/services/2" key="2" />
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data> "
"
```

RSVP LSP Services Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director RSVP LSP Services Management RESTful Web Services.

Get an RSVP LSP Service By Service ID

This request is used to retrieve the details of a particular RSVP LSP service.

| | |
|-------------|--|
| URI | api/space/nsas/rsvp-lsp/service-management/services/<serviceId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service+xml;version=2 |
| Produces | Collects the details of a specific RSVP LSP service. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service href="/api/space/nsas/rsvp-lsp/service-management/service/141"
      uri="/api/space/nsas/rsvp-lsp/service-management/service/141" key="141">
      <Common>
        <Name>RSVP_BFD_PATH</Name>
        <Identity>141</Identity>
        <State>Deployed</State>
        <CreatedDate>2013-02-08T14:29:08.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-02-08T14:29:08.000+05:30</LastUpdatedDate>
      </Common>
      <CreatedFrom>Connectivity</CreatedFrom>
      <DeployBy>NorthStar</DeployBy>
      <ServiceType>LSP</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
      </AuditFlag>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <TA>
            <DeviceName>embassy</DeviceName>
            <DeviceID>65596</DeviceID>
          </TA>
        </DeviceInfo>
        <ServiceEndPoint>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="RSVPLSPBFDEndPointParameterServiceType">
            <PathName>embassy_path1</PathName>
            <SetupPriority>7</SetupPriority>
            <HoldPriority>0</HoldPriority>
            <ClassOfService>1</ClassOfService>
            <HopLimit>255</HopLimit>
            <Adaptive>Enabled</Adaptive>
            <BandWidth>0</BandWidth>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceEndPointGroup>
    <DeviceInfo>
      <TA>

```

```

        <DeviceName>jaipur</DeviceName>
        <DeviceID>65570</DeviceID>
    </TA>
</DeviceInfo>
<ServiceEndPoint>
    <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="RSVPLSPBFDEndPointParameterServiceType">
        <PathName>embassy_path2</PathName>
        <SetupPriority>7</SetupPriority>
        <HoldPriority>0</HoldPriority>
        <ClassOfService>1</ClassOfService>
        <HopLimit>255</HopLimit>
        <Adaptive>Enabled</Adaptive>
        <BandWidth>0</BandWidth>
        <StandBy>true</StandBy>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="RSVPLSPBFDConfigParameterServiceType">
    <RetryLimit>3</RetryLimit>
    <RetryTimer>30</RetryTimer>
    <BandWidth>0</BandWidth>
    <LDPTunneling>Enabled</LDPTunneling>
    <AutoBandWidth>
        <AutoBandwidth>true</AutoBandwidth>
        <AdjustInterval>300</AdjustInterval>
        <MaxBandwidth>20</MaxBandwidth>
        <MinBandwidth>10</MinBandwidth>
    </AutoBandWidth>
    <ProtectionSetting>
        <LSPProtectionType>Path Protection</LSPProtectionType>
        <LocalProtection>N/A</LocalProtection>
    </ProtectionSetting>
    <BFD>
        <BFDdetection>This LSP</BFDdetection>
        <MinInterval>300</MinInterval>
        <MinReceiveInterval>50</MinReceiveInterval>
        <Multiplier>3</Multiplier>
        <NoAdaption>true</NoAdaption>
        <TransmitMinInterval>50</TransmitMinInterval>
    </BFD>
    </ServiceParameters>
</ServiceParametersGroup>

```

```

    <TransmitThreshold>300</TransmitThreshold>
    <DetectionThreshold>1000</DetectionThreshold>
    <FailureAction>Teardown</FailureAction>
  </BFD>
</ServiceParameters>
<Reference>
  <ServiceOrder key="136"
    href="/api/space/nsas/rsvp-lsp/service-management/service-orders/136"
uri="/api/space/nsas/rsvp-lsp/service-management/service-orders/136" />
  <ServiceDefinition>
    <ServiceDefinitionID key="48"
      href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/48"

      uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/48"
    />
  </ServiceDefinition>
</Reference>
</Service>
</ServiceResource>
</Data>
```

Get All RSVP LSP Services

This request is used to retrieve all the configured RSVP LSP services.

| | |
|-------------|--|
| URI | api/space/nsas/rsvp-lsp/service-management/services |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.servicesxml |
| Produces | Collects all the configured RSVP LSP services. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="2">
    <Service href="/api/space/nsas/rsvp-lsp/service-management/service/123"
      uri="/api/space/nsas/rsvp-lsp/service-management/service/123" key="123">
      <Common>
        <Name>RSVP_BFD_001</Name>
        <Identity>123</Identity>
        <State>Deployed</State>
        <Comments>RSVP_BFD_001</Comments>
        <CreatedDate>2013-02-08T12:56:48.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-02-08T12:56:48.000+05:30</LastUpdatedDate>
      </Common>
    <CreatedFrom>Tunnel</CreatedFrom>
    <DeployBy>NorthStar</DeployBy>
  </ServiceType>LSP</ServiceType>
    <AuditFlag>
      <FunctionalAudit>Pending</FunctionalAudit>
      <FaultStatus>None</FaultStatus>
    </AuditFlag>
    <Reference>
      <ServiceOrder key="118"
        href="/api/space/nsas/rsvp-lsp/service-management/service-orders/118"
        uri="/api/space/nsas/rsvp-lsp/service-management/service-orders/118" />

      <ServiceDefinition>
        <ServiceDefinitionID key="48"
          href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/48"

          uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/48"
        />
      </ServiceDefinition>
    </Reference>
  </Service>
  <Service href="/api/space/nsas/rsvp-lsp/service-management/service/141"
    uri="/api/space/nsas/rsvp-lsp/service-management/service/141" key="141">
    <Common>
      <Name>RSVP_BFD_PATH</Name>
      <Identity>141</Identity>
      <State>Deployed</State>
      <Comments>RSVP_BFD_PATH</Comments>
      <CreatedDate>2013-02-08T14:29:08.000+05:30</CreatedDate>
    </Common>
  </Service>

```

```
<LastUpdatedDate>2013-02-08T14:29:08.000+05:30</LastUpdatedDate>
</Common>
<ServiceType>LSP</ServiceType>
<AuditFlag>
  <FunctionalAudit>Pending</FunctionalAudit>
  <FaultStatus>None</FaultStatus>
</AuditFlag>
<Reference>
  <ServiceOrder key="136"
    href="/api/space/nsas/rsvp-lsp/service-management/service-orders/136"
    uri="/api/space/nsas/rsvp-lsp/service-management/service-orders/136" />

  <ServiceDefinition>
    <ServiceDefinitionID key="48"
      href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/48"

      uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/48"
    />
  </ServiceDefinition>
</Reference>
</Service>
</ServiceResource>
</Data>
```

Modify a Point-to-Point RSVP LSP Service

This request is used to modify an RSVP LSP service.

| | |
|--------------|---|
| URI | api/space/nsas/rsvp-lsp/service-management/ services/{service-Id} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management. modify-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml;version=2 |

| | |
|----------|-------------------------------|
| Produces | Modifies an RSVP LSP service. |
|----------|-------------------------------|

Input

Sample XML Input

Output

Sample XML Output

Modify a Point-to-Multipoint RSVP LSP Service

This request is used to modify an RSVP LSP service.

| | |
|--------------|---|
| URI | api/space/nsas/rsvp-lsp/service-management/services/{service-id} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.modify-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml;version=2 |
| Produces | Modifies an RSVP LSP service. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
```

```

    <Common>
      <Name>RSVP_BFD_P2P_PATH_001</Name>
    </Common>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <TA>
        <DeviceName>embassy</DeviceName>
        <DeviceID>65604</DeviceID>
      </TA>
    </DeviceInfo>
    <ServiceEndPoint>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="RSVPLSPBFDEndPointParameterOrderType">
        <PathName>Embassy_Path1</PathName>
        <SetupPriority>4</SetupPriority>
        <HoldPriority>6</HoldPriority>
        <ClassOfService>6</ClassOfService>
        <HopLimit>223</HopLimit>
        <BandWidth>550</BandWidth>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <TA>
        <DeviceName>kochin</DeviceName>
        <DeviceID>65538</DeviceID>
      </TA>
    </DeviceInfo>
    <ServiceEndPoint>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="RSVPLSPBFDEndPointParameterOrderType">
        <PathName>Embassy_Path2</PathName>
        <SetupPriority>5</SetupPriority>
        <HoldPriority>6</HoldPriority>
        <ClassOfService>6</ClassOfService>
        <HopLimit>233</HopLimit>
        <BandWidth>550</BandWidth>
        <StandBy>true</StandBy>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>

```

```

    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

    xsi:type="RSVPLSPBFDCConfigParameterOrderType">
    <RetryLimit>60</RetryLimit>
    <RetryTimer>30</RetryTimer>
    <BandWidth>0</BandWidth>
    <LDPTunneling>Enabled</LDPTunneling>
    <BFD>
      <BFDdetection>Primary Path</BFDdetection>
      <MinInterval>300</MinInterval>
      <MinReceiveInterval>50</MinReceiveInterval>
      <Multiplier>3</Multiplier>
      <NoAdaption>true</NoAdaption>
      <TransmitMinInterval>50</TransmitMinInterval>
      <TransmitThreshold>180</TransmitThreshold>
      <DetectionThreshold>170</DetectionThreshold>
      <FailureAction>Make before break</FailureAction>
      <TeardownTimeout>25</TeardownTimeout>
    </BFD>
    </ServiceOrderParameter>
  </ServiceOrder>
</ServiceResource>
</Data>

```

Modify a RSVP LSP Service for Edit and Deletion of Paths

This request is used to modify an RSVP LSP service for editing and deleting paths.

| | |
|--------------|---|
| URI | api/space/nsas/rsvp-lsp/service-management/ services/{service-Id} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management. modify-service+xml;version=2;charset=UTF-8 |

| | |
|----------|---|
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml;version=2 |
| Produces | Modifies an RSVP LSP service. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>P2MP_BFD_SO_001_modify</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <TA>
            <Source>
              <DeviceName>embassy</DeviceName>
              <DeviceID>65604</DeviceID>
            </Source>
            <DeviceName>kochin</DeviceName>
            <DeviceID>65538</DeviceID>
          </TA>
        </DeviceInfo>
        <ServiceEndPoint>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="RSVPLSPBFDEndPointParameterOrderType">
            <PathName>Embassy_Path2</PathName>
            <SetupPriority>6</SetupPriority>
            <HoldPriority>5</HoldPriority>
            <ClassOfService>6</ClassOfService>
            <HopLimit>234</HopLimit>
            <BandWidth>500</BandWidth>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>

```

```

    <TA>
      <Source>
        <DeviceName>embassy</DeviceName>
        <DeviceID>65604</DeviceID>
      </Source>
      <DeviceName>exora</DeviceName>
      <DeviceID>65552</DeviceID>
    </TA>
  </DeviceInfo>
  <ServiceEndPoint>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="RSVPLSPBFDEndPointParameterOrderType">
      <PathName>Embassy_Path1</PathName>
      <SetupPriority>7</SetupPriority>
      <HoldPriority>5</HoldPriority>
      <ClassOfService>6</ClassOfService>
      <HopLimit>244</HopLimit>
      <BandWidth>700</BandWidth>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="RSVPLSPBFDConfigParameterOrderType">
    <RetryLimit>50</RetryLimit>
    <RetryTimer>30</RetryTimer>
    <BandWidth>700</BandWidth>
    <LDPTunneling>Enabled</LDPTunneling>
    <BFD>
      <BFDdetection>This LSP</BFDdetection>
      <MinInterval>300</MinInterval>
      <MinReceiveInterval>50</MinReceiveInterval>
      <Multiplier>3</Multiplier>
      <NoAdaption>true</NoAdaption>
      <TransmitMinInterval>50</TransmitMinInterval>
      <TransmitThreshold>300</TransmitThreshold>
      <DetectionThreshold>300</DetectionThreshold>
      <FailureAction>Make before break</FailureAction>
      <TeardownTimeout>28</TeardownTimeout>
    </BFD>
  </ServiceOrderParameter>

```

```
</ServiceOrder>
</ServiceResource>
</Data>
```

Force-Deploy an RSVP LSP Service

This request is used to forcibly deploy a previously created RSVP LSP service.

| | |
|--------------|---|
| URI | api/space/nsas/rsvp-lsp/service-management/services/{serviceld} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.modify-service+xml |
| Consumes | <div>application/vnd.net.juniper.space.service-management.service-status+xml</div> <div>The options must be specified in the Action Element inside OperationSpecificData. The various options are as follows:</div> <ul style="list-style-type: none">• DeployNow• DeployLater |
| Produces | Forcibly deploys a previously created RSVP LSP service. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <CustomAction xsi:type="ServiceCustomActionType">
    <Action>DeployNow</Action>
  </CustomAction>
</Data>
```

Output

Sample XML Output

Decommission an RSVP LSP Service Immediately

This request is used to decommission a previously created RSVP LSP service immediately.

| | |
|--------------|--|
| URI | api/space/nsas/rsvp-lsp/service-management/services/{serviceId} |
| HTTP Method | DELETE |
| Content-Type | application/vnd.net.juniper.space.service-management.service+xml |
| Produces | Decommissions a previously created RSVP LSP service immediately. |

Input

Sample XML Input

No payload is supported or required

Output

Sample XML Output

```
<RESTOperation xmlns="services.schema.networkapi.jmp.juniper.net">
  <Response>
    <Job>
      <ID>1540110</ID>
      <Status>INPROGRESS</Status>
    </Job>
  </Response>
</RESTOperation>
```

```

        </Job>
        <Identity>
            <Type>Service</Type>
            <Value>2850823</Value>
        </Identity>
        <Data>
            <OperationSpecificData>

<ResponseMessage>

    <HTTPResponseCode>200</HTTPResponseCode>

    <ResponseMessage>Service Decommission was Successfully triggered.

        Please check the status using the JOB
ID.</ResponseMessage>

</ResponseMessage>

                                </OperationSpecificData>
        </Data>
    </Response>
</RESTOperation>

```

Decommission an RSVP LSP Service Later

This request is used to decommission a previously created RSVP LSP service at a later time.

| | |
|--------------|---|
| URI | api/space/nsas/rsvp-lsp/service-management/ services/{servicId} |
| HTTP Method | DELETE |
| Content-Type | application/vnd.net.juniper.space.service-management.service+xml |
| Produces | Decommissions a previously created RSVP LSP service at a later time. |

Input

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Identity>
    <Type>Service</Type>
    <Value>1540110</Value>
  </Identity>
  <CustomAction xsi:type="ServiceCustomActionType">
    <Action>DecommissionLater</Action>

  <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
</CustomAction>
</Data>

```

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1179679</Value>
    </Identity>
    <Job>
      <ID>1998906</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service Decommission was Successfully triggered. Please check
      the status using the JOB ID.</Message>
  </Status>
</Data>

```

Get Services for LSP Service Definition

This request is used to retrieve services for an LSP Service Definition.

| | |
|---------------|---|
| URL | /api/space/nsas/rsvp-lsp/service-management/services/servicesfordefn/<defn-id> |
| HTTP Method | GET |
| Sample URL | https://192.0.2.10:8443/api/space/nsas/rsvp-lsp/service-management/services/servicesfordefn/9 |
| Accept Header | application/vnd.net.juniper.space.service-management.services+xml;version=2 |
| Content Type | application/vnd.net.juniper.space.service-management.services+xml |

Request

Not applicable

Response

```

"<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="1">
    <Service key="1"
uri="/api/space/nsas/rsvp-lsp/service-management/services/1"
href="/api/space/nsas/rsvp-lsp/service-management/services/1">
      <Common>
        <Name>Test1</Name>
        <Identity>1</Identity>
        <State>Deployed</State>
        <CreateDate>2018-06-19T01:22:52.000+05:30</CreateDate>
        <LastUpdatedDate>2018-06-19T01:22:52.000+05:30</LastUpdatedDate>
        <CreatedFrom>Tunnel</CreatedFrom>
        <DeployBy>CSD</DeployBy>
      </Common>
      <ServiceType>LSP</ServiceType>
      <RSVPLSPTopologyType>P2P</RSVPLSPTopologyType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
      </AuditFlag>
      <Reference>
        <ServiceOrder

```

```

uri="/api/space/nsas/rsvp-lsp/service-management/service-orders/1"
href="/api/space/nsas/rsvp-lsp/service-management/service-orders/1" key="1" />
    <ServiceDefinition>
        <ServiceDefinitionID
uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/9"
href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/9" key="9"
    />
        </ServiceDefinition>
    </Reference>
</Service>
</ServiceResource>
</Data>
"

```

Bulk LSP Service Orders and Services Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director Bulk LSP Service Orders and Services Management RESTful Web Services.

Get All Bulk LSP Service Orders

This request is used to retrieve all the configured Bulk LSP service orders.

| | |
|-------------|---|
| URI | api/space/nsas/bulk-lsp/service-management/service-orders |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-orders+xml |
| Produces | Collects all the configured Bulk LSP service orders. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">

```

```

<ServiceResource size="2">
  <ServiceOrder>
    <Common>
      <Name>Test_SO_BFD</Name>
      <Identity>262362</Identity>
      <State>Completed</State>
      <CreatedDate>2013-12-05T15:38:18.000+05:30</CreatedDate>
      <LastUpdatedDate>2013-12-05T15:38:34.000+05:30</LastUpdatedDate>
      <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>LSP</ServiceType>
    <OrderType>Provisioning</OrderType>
    <BiDirectional>false</BiDirectional>
    <LSPPattern key="102"
      uri="/api/space/nsas/lsp-pattern/service-management/service-patterns/102"

      href="/api/space/nsas/lsp-pattern/service-management/service-patterns/102">

      <PatternTemplate>$Name_to_$EgressLoopbackAddress</PatternTemplate>
    </LSPPattern>
    <Reference>
      <ServiceDefinition>
        <ServiceDefinitionID key="262336"

        href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/262336"

        uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/262336"
      />
    </ServiceDefinition>
    <Service key="262369"
      href="/api/space/nsas/bulk-lsp/service-management/services/262369"
      uri="/api/space/nsas/bulk-lsp/service-management/services/262369" />
    </Reference>
  </ServiceOrder>
  <ServiceOrder
    href="/api/space/nsas/bulk-lsp/service-management/service-orders/262258"
    uri="/api/space/nsas/bulk-lsp/service-management/service-orders/262258"
    key="262258">
    <Common>
      <Name>RSVP_LSP_SO_P2MP_modify_2013-12-05 11:36:21.721</Name>
      <Identity>262258</Identity>

```

```

    <State>Completed</State>
    <CreateDate>2013-12-05T11:37:48.000+05:30</CreateDate>
    <LastUpdatedDate>2013-12-05T15:16:08.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <ServiceType>LSP</ServiceType>
  <OrderType>Modification</OrderType>
  <BiDirectional>false</BiDirectional>
  <LSPPattern key="102"
    uri="/api/space/nsas/lsp-pattern/service-management/service-patterns/102"

    href="/api/space/nsas/lsp-pattern/service-management/service-patterns/102">

    <PatternTemplate>$Name_to_$EgressLoopbackAddress</PatternTemplate>
  </LSPPattern>
  <Reference>
    <ServiceDefinition>
      <ServiceDefinitionID key="65558"

href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/65558"

      uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/65558"
    />
    </ServiceDefinition>
    <Service key="262193"
      href="/api/space/nsas/bulk-lsp/service-management/services/262193"
      uri="/api/space/nsas/bulk-lsp/service-management/services/262193" />
    </Reference>
  </ServiceOrder>
</ServiceResource>
</Data>

```

Get a Bulk LSP Service Order By Order ID

This request is used to retrieve the details of a particular Bulk LSP service order based on the service order ID.

| | |
|-------------|--|
| URI | api/space/nsas/bulk-lsp/service-management/service-orders/<serviceOrderId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml application/vnd.net.juniper.space.service-management.service-order+xml;version=2 |
| Produces | Collects the details of a specific Bulk LSP service order. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/bulk-lsp/service-management/service-orders/262258"
      uri="/api/space/nsas/bulk-lsp/service-management/service-orders/262258"
      key="262258">
      <Common>
        <Name>RSVP_LSP_SO_P2MP</Name>
        <Identity>262258</Identity>
        <State>Completed</State>
        <CreatedDate>2013-12-05T11:37:48.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-12-05T15:16:08.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>LSP</ServiceType>
      <OrderType>Modification</OrderType>
      <BiDirectional>false</BiDirectional>
      <LSPPattern key="102"
        uri="/api/space/nsas/lsp-pattern/service-management/service-patterns/102"
```

```

href="/api/space/nsas/lsp-pattern/service-management/service-patterns/102">

  <PatternTemplate>$Name_to_$EgressLoopbackAddress</PatternTemplate>
</LSPPattern>
<CommonLSPSettings>
  <LSPProtectionType>No Protection</LSPProtectionType>
  <LocalProtectionType>N/A</LocalProtectionType>
  <RetryLimit>0</RetryLimit>
  <RetryTimer>30</RetryTimer>
  <LDPTunneling>>false</LDPTunneling>
  <EnableFastReroute>>false</EnableFastReroute>
  <Standby>>false</Standby>
  <Adaptive>>false</Adaptive>
  <AutoBandwidth>>false</AutoBandwidth>
  <AdjustInterval>0</AdjustInterval>
  <MinimumBandwidth>0</MinimumBandwidth>
  <MaximumBandwidth>0</MaximumBandwidth>
  <Bandwidth>0</Bandwidth>
  <AdminGroups />
</CommonLSPSettings>
<BFD>true</BFD>
<BFDSettings>
  <BFDDetection>This LSP</BFDDetection>
  <MinInterval>300</MinInterval>
  <MinReceiveInterval>50</MinReceiveInterval>
  <Multiplier>3</Multiplier>
  <NoAdaption>true</NoAdaption>
  <TransmitMinInterval>50</TransmitMinInterval>
  <TransmitThreshold>0</TransmitThreshold>
  <DetectionThreshold>0</DetectionThreshold>
  <FailureAction>Teardown</FailureAction>
</BFDSettings>
<ServiceEndPointGroup>
  <DeviceInfo>
    <TA>
      <Source>
        <DeviceName>exora</DeviceName>
        <DeviceID>164532</DeviceID>
      </Source>
      <Destination>
        <DeviceName>junos-mx480-space</DeviceName>
        <DeviceID>164194</DeviceID>

```

```

        </Destination>
        <LSPName>RSVP_LSP_SO_P2MP_to_30_1_2_6</LSPName>
    </TA>
</DeviceInfo>
<ServiceEndPoint>
    <ServiceEndpointConfiguration

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

        xsi:type="RSVPLSPBFDEndPointParameterOrderType">

        <PrimaryPath>
            <PathName>Test_Path</PathName>
            <SetupPriority>7</SetupPriority>
            <Adaptive>Disabled</Adaptive>
            <HoldPriority>0</HoldPriority>
            <ClassOfService>0</ClassOfService>
            <HopLimit>255</HopLimit>
            <BandWidth>0</BandWidth>
            <AdminGroups />
        </PrimaryPath>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<Reference>
    <ServiceDefinition>
        <ServiceDefinitionID key="65558"

href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/65558"

        uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/65558"
    />
    </ServiceDefinition>
    <Service key="262193"
        href="/api/space/nsas/bulk-lsp/service-management/services/262193"
        uri="/api/space/nsas/bulk-lsp/service-management/services/262193" />
    </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Create a Bulk LSP Service Order

This request is used to create a bulk LSP service order.

| | |
|--------------|---|
| URI | api/space/nsas/bulk-lsp/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |
| Produces | Creates a bulk LSP service order. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>Test-Bulk-SO-000-1</Name>
        <Comments>Test-SO-000-1</Comments>
      </Common>
      <ServiceTag>Sample_Tag (public)</ServiceTag>
      <BiDirectional>true</BiDirectional>
      <CommonLSPSettings>
        <Bandwidth>0</Bandwidth>
        <LDPTunneling>true</LDPTunneling>
      </CommonLSPSettings>
      <ServiceEndPointGroup>
```

```

    <DeviceInfo>
      <TA>
        <Source>
          <DeviceName>embassy</DeviceName>
          <DeviceID>65596</DeviceID>
        </Source>
        <Destination>
          <DeviceName>exora</DeviceName>
          <DeviceID>65597</DeviceID>
        </Destination>
      </TA>
    </DeviceInfo>
  </ServiceEndPointGroup>
  <Reference>
    <ServiceDefinition>
      <ServiceDefinitionID key="1"/>
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndDeployNow</Action>
  </CustomAction>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>6553609</Value>
    </Identity>
    <Job>
      <ID>1998898</ID>
    </Job>
  </Status>

```

```
<Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>Service Order Created Successfully and Deployment is in
Progress. Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

For the various options in creating Service Order the options must be specified in the TA Element inside DeviceInfo.

The possible values are:

DeviceName (Create Service Order with device name)

```
<Destination>
  <DeviceName>exora</DeviceName>
  <DeviceID>65597</DeviceID>
</Destination>
```

EgressTag (Create Service Order with EgressTag)

```
<Destination>
  <EgressTag>Test_Tag</EgressTag>
</Destination>
```

Create a Bulk LSP Service Order with LSP Patterns

This request is used to create a bulk LSP service order with support for LSP patterns.

| | |
|--------------|--|
| URI | api/space/nsas/bulk-lsp/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-order+xml |

| | |
|----------|---|
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml |
| Produces | Creates a bulk LSP service order. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>Test-Bulk-SO-000-12334561122</Name>
        <Comments>Test-SO-000-1</Comments>
      </Common>

      <BiDirectional>true</BiDirectional>
      <CommonLSPSettings>
        <Bandwidth>0</Bandwidth>
        <LDPTunneling>true</LDPTunneling>
      </CommonLSPSettings>

      <LSPPattern key="134"
        uri="/api/space/nsas/lsp-pattern/service-management/service-patterns/134"

        href="/api/space/nsas/lsp-pattern/service-management/service-patterns/134">

        <PatternTemplate>$Name_to_$EgressLoopbackAddress</PatternTemplate>
      </LSPPattern>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <TA>
            <Source>
              <DeviceName>fortius-f1100-a</DeviceName>
              <DeviceID>98316</DeviceID>
            </Source>
            <Destination>

              <DeviceName>fortius-f2100-a</DeviceName>
              <DeviceID>98368</DeviceID>
```

```

        </Destination>
    </TA>
</DeviceInfo>
</ServiceEndPointGroup>
<Reference>
    <ServiceDefinition>
        <ServiceDefinitionID key="35"/>
    </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndDeployNow</Action>
</CustomAction>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
        <Identity>
            <Type>ServiceOrder</Type>
            <Value>163920</Value>
        </Identity>
        <Job>
            <ID>753815</ID>
            <Status>INPROGRESS</Status>
        </Job>
        <Code>200</Code>
        <Message>Service Order Created Successfully and Deployment has been
Scheduled. Please check the status using the JOB ID.</Message>
    </Status>

```

</Data>

Get a Bulk LSP Service By Service ID

This request is used to retrieve the details of a particular Bulk LSP service.

| | |
|-------------|---|
| URI | api/space/nsas/bulk-lsp/service-management/services/<serviceId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml |
| Produces | Collects the details of a specific Bulk LSP service. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service href="/api/space/nsas/bulk-lsp/service-management/services/262193"

      uri="/api/space/nsas/bulk-lsp/service-management/services/262193"
      key="262193">
      <Common>
        <Name>RSVP_LSP_SO_P2MP</Name>
        <Identity>262193</Identity>
        <State>Deployed</State>
        <CreatedDate>2013-12-05T10:40:06.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-12-05T15:16:08.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>LSP</ServiceType>
      <FAStatus>Pending</FAStatus>
```

```

<BiDirectional>>false</BiDirectional>
<LSPPattern key="102"
uri="/api/space/nsas/lsp-pattern/service-management/service-patterns/102"

href="/api/space/nsas/lsp-pattern/service-management/service-patterns/102">

  <PatternTemplate>$Name_to_$EgressLoopbackAddress</PatternTemplate>
</LSPPattern>
<CommonLSPSettings>
  <LSPProtectionType>No Protection</LSPProtectionType>
  <LocalProtectionType>N/A</LocalProtectionType>
  <RetryLimit>0</RetryLimit>
  <RetryTimer>30</RetryTimer>
  <LDPTunneling>>false</LDPTunneling>
  <EnableFastReroute>>false</EnableFastReroute>
  <Standby>>false</Standby>
  <Adaptive>>false</Adaptive>
  <AutoBandwidth>>false</AutoBandwidth>
  <AdjustInterval>0</AdjustInterval>
  <MinimumBandwidth>0</MinimumBandwidth>
  <MaximumBandwidth>0</MaximumBandwidth>
  <Bandwidth>0</Bandwidth>
  <AdminGroups />
</CommonLSPSettings>
<BFD>true</BFD>
<BFDSettings>
  <BFDdetection>This LSP</BFDdetection>
  <MinInterval>300</MinInterval>
  <MinReceiveInterval>50</MinReceiveInterval>
  <Multiplier>3</Multiplier>
  <NoAdaption>true</NoAdaption>
  <TransmitMinInterval>50</TransmitMinInterval>
  <TransmitThreshold>0</TransmitThreshold>
  <DetectionThreshold>0</DetectionThreshold>
  <FailureAction>Teardown</FailureAction>
</BFDSettings>
<ServiceEndPointGroup>
  <DeviceInfo>
    <TA>
      <Source>
        <DeviceName>exora</DeviceName>
        <DeviceID>164532</DeviceID>

```

```

        </Source>
        <Destination>
            <DeviceName>junos-mx480-space</DeviceName>
            <DeviceID>164194</DeviceID>
        </Destination>
        <LSPName>RSVP_LSP_SO_P2MP_to_30_1_2_6</LSPName>
    </TA>
</DeviceInfo>
<ServiceEndPoint>
    <ServiceEndpointConfiguration

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:type="RSVPLSPBFDEndPointParameterServiceType">
    <PrimaryPath>
        <PathName>Test_Path</PathName>
        <SetupPriority>7</SetupPriority>
        <Adaptive>Disabled</Adaptive>
        <HoldPriority>0</HoldPriority>
        <ClassOfService>0</ClassOfService>
        <HopLimit>255</HopLimit>
        <BandWidth>0</BandWidth>
        <AdminGroups />
    </PrimaryPath>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<Reference>
    <ServiceOrder key="262258"
href="/api/space/nsas/bulk-lsp/service-management/service-orders/262258"

    uri="/api/space/nsas/bulk-lsp/service-management/service-orders/262258"
/>
    <ServiceDefinition>
        <ServiceDefinitionID key="65558"

href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/65558"

        uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/65558"
/>

```

```
        </ServiceDefinition>
    </Reference>
</Service>
</ServiceResource>
</Data>
```

Get All Bulk LSP Services

This request is used to retrieve all the configured Bulk LSP services.

| | |
|-------------|---|
| URI | api/space/nsas/bulk-lsp/service-management/services |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml |
| Produces | Collects all the configured Bulk LSP services. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="2">
    <Service href="/api/space/nsas/bulk-lsp/service-management/services/196617"

      uri="/api/space/nsas/bulk-lsp/service-management/services/196617"
      key="196617">
      <Common>
        <Name>Bulk_LSP_SO</Name>
        <Identity>196617</Identity>
        <State>Deployed</State>
        <Comments>Bulk_LSP_SO</Comments>
        <CreatedDate>2013-11-28T15:50:47.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-11-28T15:50:47.000+05:30</LastUpdatedDate>
      </Common>
```

```

    <ServiceType>LSP</ServiceType>
    <FAStatus>Pending</FAStatus>
    <BiDirectional>false</BiDirectional>
    <LSPPattern key="102"
      uri="/api/space/nsas/lsp-pattern/service-management/service-patterns/102"

      href="/api/space/nsas/lsp-pattern/service-management/service-patterns/102">

      <PatternTemplate>$Name_to_$EgressLoopbackAddress</PatternTemplate>
    </LSPPattern>
    <Reference>
      <ServiceOrder key="196608"
        href="/api/space/nsas/bulk-lsp/service-management/service-orders/196608"

        uri="/api/space/nsas/bulk-lsp/service-management/service-orders/196608"
      />
      <ServiceDefinition>
        <ServiceDefinitionID key="65536"

        href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/65536"

        uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/65536"
      />
    </ServiceDefinition>
    </Reference>
  </Service>
  <Service href="/api/space/nsas/bulk-lsp/service-management/services/262193"

  uri="/api/space/nsas/bulk-lsp/service-management/services/262193"
  key="262193">
    <Common>
      <Name>RSVP_LSP_SO_P2MP</Name>
      <Identity>262193</Identity>
      <State>Deployed</State>
      <Comments>RSVP_LSP_SO_P2MP</Comments>
      <CreatedDate>2013-12-05T10:40:06.000+05:30</CreatedDate>
      <LastUpdatedDate>2013-12-05T15:16:08.000+05:30</LastUpdatedDate>
    </Common>
    <ServiceType>LSP</ServiceType>
    <FAStatus>Pending</FAStatus>
    <BiDirectional>false</BiDirectional>
    <LSPPattern key="102"

```

```
uri="/api/space/nsas/lsp-pattern/service-management/service-patterns/102"

href="/api/space/nsas/lsp-pattern/service-management/service-patterns/102">

  <PatternTemplate>$Name_to_$EgressLoopbackAddress</PatternTemplate>
</LSPPattern>
<Reference>
  <ServiceOrder key="262258"
href="/api/space/nsas/bulk-lsp/service-management/service-orders/262258"

  uri="/api/space/nsas/bulk-lsp/service-management/service-orders/262258"
/>
  <ServiceDefinition>
    <ServiceDefinitionID key="65558"

href="/api/space/nsas/rsvp-lsp/service-management/service-definitions/65558"

    uri="/api/space/nsas/rsvp-lsp/service-management/service-definitions/65558"
  />
    </ServiceDefinition>
  </Reference>
</Service>
</ServiceResource>
</Data>
```

GRE Service Definitions Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director GRE Service Definitions Management RESTful Web Services.

Get All GRE Service Definitions

This request is used to retrieve all the configured GRE service definitions.

| | |
|-------------|---|
| URI | api/space/nsas/gre/service-management/service-definitions |
| HTTP Method | GET |

| | |
|----------|--|
| Consumes | application/vnd.net.juniper.space.service-management.service-definitions+xml |
| Produces | Collects all the configured GRE service definitions. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="2">
    <ServiceDefinition
      href="/api/space/nsas/gre/service-management/service-definitions/69"
      uri="/api/space/nsas/gre/service-management/service-definitions/69"
      key="69">
      <Common>
        <Name>StdDef-GRE-FullMesh</Name>
        <Identity>69</Identity>
        <State>Published</State>
        <CreatedDate>2013-10-01T05:59:58.000+05:30</CreatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>GRE-Full Mesh</ServiceType>
    </ServiceDefinition>
    <ServiceDefinition
      href="/api/space/nsas/gre/service-management/service-definitions/48"
      uri="/api/space/nsas/gre/service-management/service-definitions/48"
      key="48">
      <Common>
        <Name>StdDef-GRE-HubSpoke</Name>
        <Identity>48</Identity>
        <State>Published</State>
        <CreatedDate>2013-10-01T05:59:58.000+05:30</CreatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>GRE-Hub Spoke</ServiceType>
    </ServiceDefinition>
```

Get GRE Service Definition Details By Definition ID

This request is used to retrieve the details of a particular Layer 2 Ethernet LAN (E-LAN) BGP service definition, based on the service definition ID.

| | |
|-------------|---|
| URI | api/space/nsas/gre/service-management/service-definitions/ <servicedefinition-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition+xml;version=2 |
| Produces | Collects the details of a specific GRE service definition. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name> StdDef-GRE-FullMesh </Name>
        <Identity>69</Identity>
        <State>Published</State>
        <Comments>Predefined GRE action definition</Comments>
        <CreateDate>2013-10-01T05:59:58.000+05:30</CreateDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <TransportActivate xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="GREType" >
        <Topology>GRE - Full Mesh</Topology>
      </TransportActivate>
    </ServiceDefinition>
  </ServiceResource>
</Data>
```

Create a GRE Service Definition

This request is used to create a GRE service definition.

| | |
|--------------|--|
| URI | api/space/nsas/gre/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-definition+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition-status+xml |
| Produces | Creates a GRE service definition. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>GRE_Test_Via_API01</Name>
        <Comments>GRE Service Definition creation</Comments>
      </Common>
      <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="PTPServiceEndpointGroupParameterDefType"/>
      <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="PTPEndPointParameterDefType">
        <TransportActivate xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="GREType">
          <Topology>GRE - Full Mesh</Topology>
        </TransportActivate>
      </ServiceDefinition>
    </ServiceResource>
    <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceDefinitionCustomActionType">
```

```
<Action>Publish</Action>
</CustomAction>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceDefinition</Type>
      <Value>32839</Value>
    </Identity>
    <Code>200</Code>
    <Message>ServiceDefinition Created and Published Successfully</Message>
  </Status>
</Data>
```

Publish and Unpublish a GRE Service Definition

This request is used to publish or unpublish a GRE service definition.

| | |
|--------------|---|
| URI | api/space/nsas/gre/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-definition+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition-status+xml Action types are Publish and Unpublish. |

Produces

Publishes or unpublishes a GRE service definition.

Input for Unpublishing a Service Definition

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceDefinitionCustomActionType">
    <Action>UnPublish</Action>
  </CustomAction>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceDefinition</Type>
      <Value>7012365</Value>
    </Identity>
    <Code>200</Code>
    <Message>ServiceDefinition UnPublished Successfully</Message>
  </Status>
</Data>
```

Input for Publishing a Service Definition

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
```

```
xsi:type="ServiceDefinitionCustomActionType">
  <Action>Publish</Action>
</CustomAction>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceDefinition</Type>
      <Value>7012365</Value>
    </Identity>
    <Code>200</Code>
    <Message>ServiceDefinition Published Successfully</Message>
  </Status>
</Data>
```

Delete a GRE Service Definition

This request is used to delete a previously configured GRE service definition.

| | |
|-------------|--|
| URI | api/space/nsas/gre/service-management/service-definitions/ <servicedefinition-id> |
| HTTP Method | DELETE |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition+xml |
| Produces | Deletes a GRE service definition. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceDefinition</Type>
      <Value>7012365</Value>
    </Identity>
    <Code>200</Code>
    <Message>ServiceDefinition Deleted Successfully</Message>
  </Status>
</Data>
```

GRE Service Orders Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director GRE Service Orders Management RESTful Web Services.

Get All GRE Service Orders

This request is used to retrieve all the configured GRE service orders.

| | |
|-------------|---|
| URI | api/space/nsas/gre/service-management/service-orders |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-orders+xml |
| Produces | Collects all the configured GRE service orders. |

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource size="3">
  <ServiceOrder
    href="/api/space/gre/service-management/service-orders/4161536"
    uri="/api/space/gre/service-management/service-orders/4161536"
    key="4161536">
    <Common>
      <Name>GRE_tes02_6</Name>
      <Identity>4161536</Identity>
      <State>Invalid</State>
      <CreatedDate>2012-07-18T17:52:32.000+05:30</CreatedDate>
      <LastUpdatedDate>2012-07-18T17:52:32.000+05:30</LastUpdatedDate>
      <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>GRE</ServiceType>
    <Action>Provisioning</Action>
    <Reference>
      <ServiceDefinition>
        <ServiceDefinitionID key="1179660"
          href="/api/space/gre/service-management/service-definitions/1179660"
          uri="/api/space/gre/service-management/service-definitions/1179660" />
      </ServiceDefinition>
    </Reference>
  </ServiceOrder>
  <ServiceOrder
    href="/api/space/gre/service-management/service-orders/3866624"
    uri="/api/space/gre/service-management/service-orders/3866624"
    key="3866624">
    <Common>
      <Name>fdsgdfg_audit_2012-07-17 15:43:28.54</Name>
      <Identity>3866624</Identity>
      <State>Completed</State>
      <Comments>Audit fdsgdfg2012-07-17 15:43:28.54</Comments>
      <CreatedDate>2012-07-17T15:43:28.000+05:30</CreatedDate>
      <LastUpdatedDate>2012-07-17T15:43:28.000+05:30</LastUpdatedDate>
      <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>GRE</ServiceType>
    <Action>Provisioning</Action>
    <Reference>
      <ServiceDefinition>
        <ServiceDefinitionID key="1179648"

```

```
        href="/api/space/gre/service-management/service-definitions/1179648"
        uri="/api/space/gre/service-management/service-definitions/1179648" />
    </ServiceDefinition>
    <Service key="1179679"
        href="/api/space/gre/service-management/services/1179679"
        uri="/api/space/gre/service-management/services/1179679" />
    </Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Get a Hub-and-Spoke GRE Service Order By Order ID

This request is used to retrieve the details of a particular hub-and-spoke GRE service order based on the service order ID.

| | |
|-------------|--|
| URI | api/space/nsas/gre/service-management/service-orders/ <serviceOrderId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-order+xml application/vnd.net.juniper.space.service-management. service-order+xml;version=2 |
| Produces | Collects the details of a specific hub-and-spoke GRE service order. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
```

```

REST_Data_Model.xsd ">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>GRE_Hub_and_Spoke_Service_Order</Name>

      <Identity>7372822</Identity>

      <State>Completed</State>
        <CreatedDate>2013-01-10T13:08:43.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-01-01T13:08:42.000+05:30</LastUpdatedDate>
        <Comments>GRE_Hub_and_Spoke_Service_Order</Comments>
      </Common>
      <ServiceType>GRE</ServiceType>
      <Action>Provisioning</Action>
      <GRE TunnelSettings>
        <GRE TunnelSetting>
          <Hub>
            <DeviceId>13403</DeviceId>
            <DeviceName>junos-m10-2-space</DeviceName>
            <Interface>gr-1/0/0.6</Interface>
          </Hub>
          <Spoke>
            <DeviceId>12303</DeviceId>
            <DeviceName>embassy</DeviceName>
            <Interface>gr-0/0/10.1</Interface>
          </Spoke>
        </GRE TunnelSetting>
        <GRE TunnelSetting>
          <Hub>
            <DeviceId>11503</DeviceId>
            <DeviceName>junos-m10-1-space</DeviceName>
            <Interface>gr-1/0/0.4</Interface>
          </Hub>
          <Spoke>
            <DeviceId>13603</DeviceId>
            <Router>junos-m10-2-space</Router>
            <Interface>gr-1/0/0.7</Interface>
          </Spoke>
        </GRE TunnelSetting>
      </GRE TunnelSettings>

      <Reference>

```

```
<ServiceDefinition>
  <ServiceDefinitionID key="7372802"
href="/api/space/nsas/gre/service-management/service-definitions/7372802"
  uri="/api/space/nsas/gre/service-management/service-definitions/7372802"
/>
</ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Get a Full-Mesh GRE Service Order By Order ID

This request is used to retrieve the details of a particular full-mesh GRE service order based on the service order ID.

| | |
|-------------|--|
| URI | api/space/nsas/gre/service-management/service-orders/ <serviceOrderId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-order+xml application/vnd.net.juniper.space.service-management. service-order+xml;version=2 |
| Produces | Collects the details of a specific full-mesh GRE service order. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
```

```

REST_Data_Model.xsd ">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/gre/service-management/service-orders/7372820"
      uri="/api/space/nsas/gre/service-management/service-orders/7372820"
      key="7372820">
        <Common>
          <Name>GRE_FullMesh_Service_Order</Name>

<Identity>7372820</Identity>
  <Comments>GRE_FullMesh_Service_Order </Comments>

<State>Completed</State>
  <Comments> GRE_FullMesh_Service_Order </Comments>
  <CreateDate>2013-01-10T13:08:43.000+05:30</CreateDate>
  <LastUpdatedDate>2013-01-01T13:08:42.000+05:30</LastUpdatedDate>
</Common>
<ServiceType>GRE</ServiceType>

                                <Action>Provisioning</Action>

  <GRETunnelSettings>
    <GRETunnelSetting>
      <SourceRouter>
        <DeviceId>13503</DeviceId>
        <DeviceName>embassy</DeviceName>
        <Interface>gr-1/0/10.6</Interface>
      </ SourceRouter>
      <DestinationRouter>

<DeviceId>13505</DeviceId>
  <DeviceName>junos-m10-1-space</DeviceName>
  <Interface>gr-1/2/0.1</Interface>
</DestinationRouter>
</GRETunnelSetting>
<GRETunnelSetting>
  <SourceRouter>

<DeviceId>13507</DeviceId>
  <DeviceName>embassy</DeviceName>
  <Interface>gr-0/0/10.1</Interface>
</SourceRouter>
  <DestinationRouter>

                                <DeviceId>13513</DeviceId>

```

```

    <DeviceName> junos-m10-2-space</DeviceName>
    <Interface>gr-1/0/0.4</Interface>
  </DestinationRouter>
</GRETunnelSetting>
</GRETunnelSettings>

      <Reference>
        <ServiceDefinition>
          <ServiceDefinitionID key="7372800"

href="/api/space/nsas/gre/service-management/service-definitions/7372800"

uri="/api/space/nsas/gre/service-management/service-definitions/7372800"/>
        </ServiceDefinition>
      </Reference>
    </ServiceOrder>
  </ServiceResource>
</Data>

```

Create a Hub-and-Spoke GRE Service Order

This request is used to create a point-to-point GRE service order.

| | |
|--------------|---|
| URI | api/space/nsas/gre/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |
| Produces | Creates a point-to-multipoint GRE service order. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>GRE_HS_002</Name>
        <Comments>GRE_HS_002</Comments>
      </Common>
      <ServiceType>GRE</ServiceType>
      <StaticRoute>Disabled</StaticRoute>
      <ServiceEndPointGroup>
        <Hub>
          <DeviceName>embassy</DeviceName>
          <DeviceId>65616</DeviceId>
          <Interface>gr-1/0/10</Interface>
        </Hub>
        <Spoke>
          <DeviceName>kochin</DeviceName>
          <DeviceId>65673</DeviceId>
          <Interface>gr-0/0/10</Interface>
        </Spoke>
      </ServiceEndPointGroup>
      <Reference>
        <ServiceDefinition>
          <ServiceDefinitionID key="32771" />
        </ServiceDefinition>
        <Service key="131081" />
      </Reference>
    </ServiceOrder>
  </ServiceResource>
</Data>
```

Create a Full-Mesh GRE Service Order

This request is used to create a multipoint-to-multipoint GRE service order.

| | |
|-------------|---|
| URI | api/space/nsas/gre/service-management/service-orders/ |
| HTTP Method | POST |

| | |
|--------------|---|
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml |
| Consumes | <p>application/vnd.net.juniper.space.service-management.service-order-status+xml</p> <p>For the various options in creating ServiceOrder the options must be specified in the Action Element inside OperationSpecificData. The following values can be entered:</p> <ul style="list-style-type: none"> • Save (Create and only Save a SO) • SaveAndValidate (Create, Save, and Validate a SO) Default value when no Custom action is specified. • SaveAndDeployNow (Create, Save, and Deploy a SO) • SaveAndDeployLater (Create, Save, and Deploy Later a SO) |
| Produces | Creates a GRE service order. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>GRE_FULLMESH_001</Name>
        <Comments>GRE_FULLMESH_001</Comments>
      </Common>
      <ServiceEndPointGroup>
        <SourceRouter>
          <DeviceName>embassy</DeviceName>
          <DeviceId>131849</DeviceId>
          <Interface>gr-1/0/10</Interface>
        </SourceRouter>
        <DestinationRouter>
          <DeviceName>kochin</DeviceName>
          <DeviceId>131074</DeviceId>
          <Interface>gr-0/0/10</Interface>
        </DestinationRouter>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>
</Data>
```

```
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <SourceRouter>
    <DeviceName>kochin</DeviceName>
    <DeviceId>131074</DeviceId>
    <Interface>gr-0/0/10</Interface>
  </SourceRouter>
  <DestinationRouter>
    <DeviceName>embassy</DeviceName>
    <DeviceId>131849</DeviceId>
    <Interface>gr-1/0/10</Interface>
  </DestinationRouter>
</ServiceEndPointGroup>
<Reference>
  <ServiceDefinition>
    <ServiceDefinitionID key="32768" />
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Deploy, Validate, and Partially-Delete a GRE Service Order

This request is used to deploy, validate, or partially delete a previously created GRE service order.

| | |
|--------------|--|
| URI | api/space/nsas/gre/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml |

| | |
|----------|--|
| Consumes | <p>application/vnd.net.juniper.space.service-management.service-order-status+xml</p> <p>The options must be specified in the Action Element inside OperationSpecificData. The various options are as follows:</p> <ul style="list-style-type: none"> • DeployNow (Deploy an already created SO) • DeployLater (Deploy Later an already created SO) • ValidateNow (Validate now an already created SO) • ValidateLater (Validate later an already created SO) • PartialDeleteNow (Delete the partially created configuration now) • PartialDeleteLater (Delete the partially created configuration Later) |
| Produces | Deploys, validates or, partially-deletes a previously created GRE service order. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd">
  <CustomAction xsi:type="ServiceOrderCustomActionType">
    <Action>ValidateNow</Action>
    <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
  </CustomAction>
</Data>
```

Delete a GRE Service Order

This request is used to delete a previously configured GRE service order.

| | |
|-------------|--|
| URI | api/space/nsas/gre/service-management/service-orders/ <serviceOrder-id> |
| HTTP Method | DELETE |

| | |
|----------|--|
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Deletes a GRE service order. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>294923</Value>
    </Identity>
    <Code>200</Code>
    <Message>Service order Deleted Successfully.</Message>
  </Status>
</Data>
```

View the Pending Configuration of a GRE Service Order

This request is used to view the details of a GRE service order that are pending to be applied to a device.

| | |
|-------------|---|
| URI | api/space/nsas/gre/service-management/service-orders/view-pendingorderconfiguration/<serviceOrder-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.pendingorder-config+xml |
| Produces | Displays the configuration details of a service order pending to be applied to a device. |

Output

Sample XML Output

```

<Data>
  <PendingOrderConfiguration>
    <PendingOrderConfigDeviceEnd>
      <DeviceName>kochin</DeviceName>
      <Configuration>
        <configuration
xmlns:a="http://transportactivate.jmp.juniper.net/gre/shared"
  xmlns:b="http://jmp.juniper.net/gre/shared">
          <interfaces>
            <interface>
              <name>gr-0/1/10</name>
              <unit>
                <name>1</name>
                <tunnel>
                  <source>50.1.2.1</source>
                  <destination>40.1.255.4</destination>
                </tunnel>
                <family>
                  <inet/>
                  <mpls/>
                </family>
              </unit>
            </interface>
          </interfaces>
          <routing-options>
            <rib>
              <name>inet.3</name>
              <static>
                <route>
                  <name>40.1.255.4/32</name>
                  <next-hop>gr-0/1/10.1</next-hop>
                </route>
              </static>
            </rib>
          </routing-options>
        </configuration>
      </Configuration>
    </PendingOrderConfigDeviceEnd>
  <PendingOrderConfigDeviceEnd>
    <DeviceName>vjx-junos-m10-2-space</DeviceName>
    <Configuration>

```

```

        <configuration

xmlns:a="http://transportactivate.jmp.juniper.net/gre/shared"
    xmlns:b="http://jmp.juniper.net/gre/shared">
        <interfaces>
            <interface>
                <name>gr-0/0/0</name>
                <unit>
                    <name>2</name>
                    <tunnel>
                        <source>40.1.255.4</source>
                        <destination>50.1.2.1</destination>
                    </tunnel>
                    <family>
                        <inet/>
                        <mpls/>
                    </family>
                </unit>
            </interface>
        </interfaces>
        <routing-options>
            <rib>
                <name>inet.3</name>
                <static>
                    <route>
                        <name>50.1.2.1/32</name>
                        <next-hop>gr-0/0/0.2</next-hop>
                    </route>
                </static>
            </rib>
        </routing-options>
    </configuration>
</Configuration>
</PendingOrderConfigDeviceEnd>
<PendingOrderConfigDeviceEnd>
    <DeviceName>embassy</DeviceName>
    <Configuration>
        <configuration

xmlns:a="http://transportactivate.jmp.juniper.net/gre/shared"
    xmlns:b="http://jmp.juniper.net/gre/shared">
        <interfaces>

```

```

        <interface>
            <name>gr-1/0/10</name>
        </interface>
    </interfaces>
    <routing-options>
        <rib>
            <name>inet.3</name>
            <static/>
        </rib>
    </routing-options>
</configuration>
</Configuration>
</PendingOrderConfigDeviceEnd>
</PendingOrderConfiguration>
</Data>
```

GRE Services Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director GRE Services Management RESTful Web Services.

Get a Full-Mesh GRE Service By Service ID

This request is used to retrieve the details of a particular GRE service.

| | |
|-------------|---|
| URI | api/space/nsas/gre/service-management/ services/<serviceId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. services+xml |
| Produces | Collects the details of a specific GRE service. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service href="/api/space/nsas/gre/service-management/services/98313"
      uri="/api/space/nsas/gre/service-management/services/98313" key="98313">
      <Common>
        <Name>GRE_FULLMESH</Name>
        <Identity>98313</Identity>
        <State>Deployed</State>
        <CreatedDate>2013-04-23T10:49:45.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-04-23T10:49:45.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>GRE</ServiceType>
      <StaticRoute>Enabled</StaticRoute>
      <GRE TunnelSettings>
        <GRE TunnelSetting>
          <SourceRouter>
            <DeviceName>embassy</DeviceName>
            <DeviceId>65588</DeviceId>
            <Interface>gr-1/0/10.1</Interface>
          </SourceRouter>
          <DestinationRouter>
            <DeviceName>exora</DeviceName>
            <DeviceId>65624</DeviceId>
            <Interface>gr-1/2/0.1</Interface>
          </DestinationRouter>
        </GRE TunnelSetting>
        <GRE TunnelSetting>
          <SourceRouter>
            <DeviceName>exora</DeviceName>
            <DeviceId>65624</DeviceId>
            <Interface>gr-1/2/0.1</Interface>
          </SourceRouter>
          <DestinationRouter>
            <DeviceName>embassy</DeviceName>
            <DeviceId>65588</DeviceId>
            <Interface>gr-1/0/10.1</Interface>
          </DestinationRouter>
        </GRE TunnelSetting>
      </GRE TunnelSettings>
      <Reference>
        <ServiceOrder key="98313"

```

```

    href="/api/space/nsas/gre/service-management/service-orders/98313"
    uri="/api/space/nsas/gre/service-management/service-orders/98313" />
  <ServiceDefinition>
    <ServiceDefinitionID key="32768"
    href="/api/space/nsas/gre/service-management/service-definitions/32768"

    uri="/api/space/nsas/gre/service-management/service-definitions/32768"
  />
  </ServiceDefinition>
</Reference>
</Service>
</ServiceResource>
</Data>

```

Get a Hub-and-Spoke GRE Service By Service ID

This request is used to retrieve the details of a particular GRE service.

| | |
|-------------|---|
| URI | api/space/nsas/gre/service-management/ services/<servicId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml |
| Produces | Collects the details of a specific GRE service. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service href="/api/space/nsas/gre/service-management/services/131101"
    uri="/api/space/nsas/gre/service-management/services/131101" key="131101">

```

```

<Common>
  <Name>GRE_HS_001</Name>
  <Identity>131101</Identity>
  <State>Deployed</State>
  <CreatedDate>2013-04-24T12:49:40.000+05:30</CreatedDate>
  <LastUpdatedDate>2013-04-24T12:49:40.000+05:30</LastUpdatedDate>
</Common>
<ServiceType>GRE</ServiceType>
<StaticRoute>Disabled</StaticRoute>
<GRE TunnelSettings>
  <GRE TunnelSetting>
    <Hub>
      <DeviceName>embassy</DeviceName>
      <DeviceId>65588</DeviceId>
      <Interface>gr-1/0/10.1</Interface>
    </Hub>
    <Spoke>
      <DeviceName>exora</DeviceName>
      <DeviceId>65624</DeviceId>
      <Interface>gr-1/2/0.1</Interface>
    </Spoke>
  </GRE TunnelSetting>
</GRE TunnelSettings>
<Reference>
  <ServiceOrder key="131101"
    href="/api/space/nsas/gre/service-management/service-orders/131101"
    uri="/api/space/nsas/gre/service-management/service-orders/131101" />
  <ServiceDefinition>
    <ServiceDefinitionID key="32771"
      href="/api/space/nsas/gre/service-management/service-definitions/32771"
      uri="/api/space/nsas/gre/service-management/service-definitions/32771"
    />
  </ServiceDefinition>
</Reference>
</Service>
</ServiceResource>
</Data>

```

Get All GRE Services

This request is used to retrieve all the configured GRE services.

| | |
|-------------|--|
| URI | api/space/nsas/gre/service-management/services |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.servicesxml |
| Produces | Collects all the configured GRE services. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="2">
    <Service href="/api/space/nsas/gre/service-management/services/98313"
      uri="/api/space/nsas/gre/service-management/services/98313" key="98313">
      <Common>
        <Name>GRE_FULLMESH</Name>
        <Identity>98313</Identity>
        <State>Deployed</State>
        <Comments>GRE_FULLMESH</Comments>
        <CreatedDate>2013-04-23T10:49:45.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-04-23T10:49:45.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>GRE</ServiceType>
      <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
      </AuditFlag>
      <Reference>
        <ServiceOrder key="98306"
          href="/api/space/nsas/gre/service-management/service-orders/98306"
          uri="/api/space/nsas/gre/service-management/service-orders/98306" />
        <ServiceDefinition>
          <ServiceDefinitionID key="32768"
            href="/api/space/nsas/gre/service-management/service-definitions/32768"
```

```

        uri="/api/space/nsas/gre/service-management/service-definitions/32768"
    />
    </ServiceDefinition>
</Reference>
</Service>
<Service href="/api/space/nsas/gre/service-management/services/131101"
uri="/api/space/nsas/gre/service-management/services/131101" key="131101">

    <Common>
        <Name>GRE_HS_001</Name>
        <Identity>131101</Identity>
        <State>Deployed</State>
        <Comments>GRE_HS_001</Comments>
        <CreatedDate>2013-04-24T12:49:40.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-04-24T12:49:40.000+05:30</LastUpdatedDate>
    </Common>
    <ServiceType>GRE</ServiceType>
    <AuditFlag>
        <FunctionalAudit>Pending</FunctionalAudit>
        <FaultStatus>None</FaultStatus>
    </AuditFlag>
    <Reference>
        <ServiceOrder key="131094"
            href="/api/space/nsas/gre/service-management/service-orders/131094"
            uri="/api/space/nsas/gre/service-management/service-orders/131094" />
        <ServiceDefinition>
            <ServiceDefinitionID key="32771"
                href="/api/space/nsas/gre/service-management/service-definitions/32771"

                uri="/api/space/nsas/gre/service-management/service-definitions/32771"
            />
        </ServiceDefinition>
    </Reference>
</Service>
</ServiceResource>
</Data>

```

Modify a Full-Mesh GRE Service with Addition of a Tunnel

This request is used to modify a full-mesh GRE service with addition of a tunnel.

| | |
|--------------|---|
| URI | api/space/nsas/gre/service-management/ services/{service-Id}/add-tunnels |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management. modify-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml;version=2 |
| Produces | Modifies a GRE service with addition of a tunnel. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>GRE_FULLL_005</Name>
      </Common>
      <ServiceEndPointGroup>
        <SourceRouter>
          <DeviceName>vjx-junos-m10-1-space</DeviceName>
          <DeviceId>65850</DeviceId>
          <Interface>gr-0/0/0</Interface>
        </SourceRouter>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>
</Data>
```

Modify a Hub-and-Spoke GRE Service with Addition of a Tunnel

This request is used to modify a hub-and-spoke GRE service with addition of a tunnel.

| | |
|--------------|---|
| URI | api/space/nsas/gre/service-management/ services/{service-Id}/add-tunnels |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management. modify-service+xml;version=2;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml;version=2 |
| Produces | Modifies a GRE service with addition of a tunnel. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>GRE_HS_001</Name>
      </Common>
      <ServiceEndPointGroup>
        <Hub>
          <DeviceName>exora</DeviceName>
          <DeviceId>65593</DeviceId>
          <Interface>gr-1/2/0.1</Interface>
        </Hub>
        <Spoke>
          <DeviceName>vjx-junos-m10-2-space</DeviceName>
          <DeviceId>65538</DeviceId>
          <Interface>gr-0/0/0.4</Interface>
        </Spoke>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>
</Data>
```

```
</ServiceResource>
</Data>
```

Modify a Full-Mesh GRE Service with Deletion of a Tunnel

This request is used to modify a full-mesh GRE service with deletion of a tunnel.

| | |
|--------------|---|
| URI | api/space/nsas/gre/service-management/ services/{service-Id}/delete-tunnels |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management. modify-service+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml |
| Produces | Modifies a GRE service with deletion of a tunnel. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>GRE_FULLL_005</Name>
      </Common>
      <ServiceEndPointGroup>
        <SourceRouter>
          <DeviceName>vjsx-junos-m10-1-space</DeviceName>
          <DeviceId>65850</DeviceId>
          <Interface>gr-0/0/0</Interface>
```

```

    </SourceRouter>
  </ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
</Data>
```

Modify a Hub-and-Spoke GRE Service with Deletion of a Tunnel

This request is used to modify a hub-and-spoke GRE service with deletion of a tunnel.

| | |
|--------------|--|
| URI | api/space/nsas/gre/service-management/ services/{service-Id}/delete-tunnels |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service- management.modify-service+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml |
| Produces | Modifies a GRE service with deletion of a tunnel. |

Input

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>GRE_HS</Name>
      </Common>
    <ServiceEndPointGroup>
      <Hub>
        <DeviceName>amx-1100-a</DeviceName>
        <DeviceId>66758</DeviceId>
```

```

    </Hub>
  </ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
</Data>

```

Force-Deploy a GRE Service

This request is used to forcibly deploy a previously created GRE service.

| | |
|--------------|--|
| URI | api/space/nsas/gre/service-management/ services/{serviceld} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. modify-service+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml The options must be specified in the Action Element inside OperationSpecificData. The various options are as follows: <ul style="list-style-type: none">• DeployNow• DeployLater |
| Produces | Forcibly deploys a previously created GRE service. |

Input

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <CustomAction xsi:type="ServiceCustomActionType">
    <Action>DeployNow</Action>
  </CustomAction>

```

```
</Data>
```

Decommission a GRE Service Immediately

This request is used to decommission a previously created GRE service immediately.

| | |
|--------------|--|
| URI | api/space/nsas/gre/service-management/services/{serviceId} |
| HTTP Method | DELETE |
| Content-Type | application/vnd.net.juniper.space.service-management.service+xml |
| Produces | Decommissions a previously created GRE service immediately. |

Input

Sample XML Input

```
<Data>
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>163871</Value>
    </Identity>
    <Job>
      <ID>1736704</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>
      Service Decommission was Successfully triggered. Please check the status
      using the JOB ID.
    </Message>
  </Status>
```

```
</Data>
```

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Identity>
    <Type>Service</Type>
    <Value>1540110</Value>
  </Identity>
  <CustomAction xsi:type="ServiceCustomActionType">
    <Action>DecommissionLater</Action>
  </CustomAction>
  <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
</Data>
```

Decommission a GRE Service Later

This request is used to decommission a previously created GRE service at a later time.

| | |
|--------------|--|
| URI | api/space/nsas/gre/service-management/services/{serviceId} |
| HTTP Method | DELETE |
| Content-Type | application/vnd.net.juniper.space.service-management.service+xml |
| Produces | Decommissions a previously created GRE service at a later time. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Identity>
    <Type>Service</Type>
    <Value>1540110</Value>
  </Identity>
  <CustomAction xsi:type="ServiceCustomActionType">
    <Action>DecommissionLater</Action>
  </CustomAction>
  <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
</Data>
```

```
</Data>
```

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1179679</Value>
    </Identity>
    <Job>
      <ID>1998906</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service Decommission was Successfully triggered. Please check
      the status using the JOB ID.</Message>
    </Status>
  </Data>
```

Static LSP Service Definitions Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director Static LSP Service Definitions Management RESTful Web Services.

Get All Static LSP Service Definitions

This request is used to retrieve all the configured Static LSP service definitions.

| | |
|-----|--|
| URI | api/space/nsas/static-lsp/service-management/service-definitions |
|-----|--|

| | |
|-------------|--|
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-definitions+xml |
| Produces | Collects all the configured Static LSP service definitions. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="7">
    <ServiceDefinition
      href="/api/space/nsas/static-lsp/service-management/service-definitions/229"

      uri="/api/space/nsas/static-lsp/service-management/service-definitions/229"

      key="229">
      <Common>
        <Name>Bypass_SD</Name>
        <Identity>229</Identity>
        <State>Published</State>
        <CreateDate>2013-10-18T19:55:56.000+05:30</CreateDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>Static - Bypass</ServiceType>
    </ServiceDefinition>
    <ServiceDefinition
      href="/api/space/nsas/static-lsp/service-management/service-definitions/118"

      uri="/api/space/nsas/static-lsp/service-management/service-definitions/118"

      key="118">
      <Common>
        <Name>Bypass_test</Name>
        <Identity>118</Identity>
        <State>Published</State>
        <CreateDate>2013-10-18T15:22:34.000+05:30</CreateDate>
        <CreatedBy>super</CreatedBy>
      </Common>
```

```

    <ServiceType>Static - Bypass</ServiceType>
  </ServiceDefinition>
  <ServiceDefinition
    href="/api/space/nsas/static-lsp/service-management/service-definitions/220"

    uri="/api/space/nsas/static-lsp/service-management/service-definitions/220"

    key="220">
    <Common>
      <Name>Single_Hop</Name>
      <Identity>220</Identity>
      <State>Published</State>
      <CreateDate>2013-10-18T19:55:04.000+05:30</CreateDate>
      <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>Static - One hop</ServiceType>
  </ServiceDefinition>
  <ServiceDefinition
    href="/api/space/nsas/static-lsp/service-management/service-definitions/7"

    uri="/api/space/nsas/static-lsp/service-management/service-definitions/7"

    key="7">
    <Common>
      <Name>Static LSP Multi-Hop</Name>
      <Identity>7</Identity>
      <State>Published</State>
      <CreateDate>2013-10-18T14:31:32.000+05:30</CreateDate>
      <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>Static - Multiple hop</ServiceType>
  </ServiceDefinition>
  <ServiceDefinition
    href="/api/space/nsas/static-lsp/service-management/service-definitions/15"

    uri="/api/space/nsas/static-lsp/service-management/service-definitions/15"

    key="15">
    <Common>
      <Name>Static LSP Multi-Hop with Node Link Protection</Name>
      <Identity>15</Identity>
      <State>Published</State>

```

```

    <CreatedDate>2013-10-18T14:31:32.000+05:30</CreatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <ServiceType>Static - Multiple hop</ServiceType>
</ServiceDefinition>
<ServiceDefinition
href="/api/space/nsas/static-lsp/service-management/service-definitions/1"

uri="/api/space/nsas/static-lsp/service-management/service-definitions/1"

key="1">
  <Common>
    <Name>Static LSP-One-Hop</Name>
    <Identity>1</Identity>
    <State>Published</State>
    <CreatedDate>2013-10-18T14:31:32.000+05:30</CreatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <ServiceType>Static - One hop</ServiceType>
</ServiceDefinition>
<ServiceDefinition
href="/api/space/nsas/static-lsp/service-management/service-definitions/109"

uri="/api/space/nsas/static-lsp/service-management/service-definitions/109"

key="109">
  <Common>
    <Name>Test</Name>
    <Identity>109</Identity>
    <State>Published</State>
    <CreatedDate>2013-10-18T15:08:16.000+05:30</CreatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <ServiceType>Static - Multiple hop</ServiceType>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Get Static LSP Service Definition Details By Definition ID

This request is used to retrieve the details of a particular Layer 2 Ethernet LAN (E-LAN) BGP service definition, based on the service definition ID.

| | |
|-------------|---|
| URI | api/space/nsas/static-lsp/service-management/service-definitions/ <servicedefinition-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition+xml;version=2 |
| Produces | Collects the details of a specific Static LSP service definition. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>Static LSP Multi-Hop</Name>
        <Identity>7</Identity>
        <State>Published</State>
        <Comments>Static LSP with multiple hops</Comments>
        <CreatedDate>2013-08-14T17:56:08.000+05:30</CreatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>Static - Multiple hop</ServiceType>
      <TA>
        <LSPProtectionType>No Protection</LSPProtectionType>
        <LocalProtectionType>N/A</LocalProtectionType>
        <ServiceTemplate>None</ServiceTemplate>
        <Advanced>
          <ClassofService Editable="true">-1</ClassofService>
          <FastReroute Editable="true">0</FastReroute>
          <Standby Editable="true">0</Standby>
        </Advanced>
      </TA>
    </ServiceDefinition>
  </ServiceResource>
</Data>
```

```
<Protection>
  <LocalProtection>>false</LocalProtection>
</Protection>
</TA>
</ServiceDefinition>
</ServiceResource>
</Data>
```

Create a Static LSP Service Definition

This request is used to create a Static LSP service definition.

| | |
|--------------|--|
| URI | api/space/nsas/static-lsp/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-definition+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition-status+xml |
| Produces | Creates a Static LSP service definition. |

Input (Single-Hop Static LSP)

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceDefinition>
      <Common>
        <Name>Static_LSP_singlehop_Test_Via_API</Name>
        <Comments>erwerew</Comments>
      </Common>
```

```

        <ServiceType>Static - One hop</ServiceType>
    <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="PTPServiceEndpointGroupParameterDefType"/>
    <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="PTPEndPointParameterDefType"/>
        <TA>
            <LSPPProtectionType>No Protection</LSPPProtectionType>
            <LocalProtectionType>N/A</LocalProtectionType>
            <ServiceTemplate>None</ServiceTemplate>
            <LabelAllocation>Auto pick</LabelAllocation>
            <Advanced>
                <ClassofService Editable="true">1</ClassofService>
                <Metric Editable="true">1</Metric>
                <Preference Editable="true">5</Preference>
            </Advanced>
        </TA>
    <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceDefinitionCustomActionType">
        <Action>Publish</Action>
    </CustomAction>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Input (Multi-Hop Static LSP)

Sample XML Input

```

    <Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource>
    <ServiceDefinition>
        <Common>
            <Name>With_Link_Node_API</Name>
        </Common>
        <ServiceType>Static - Multiple hop</ServiceType>
    <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

```

```

        xsi:type="PTPServiceEndpointGroupParameterDefType"/>
<ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="PTPEndPointParameterDefType"/>
    <TA>
        <LSPProtectionType>Local Protection Only</LSPProtectionType>
        <LocalProtectionType>Node-Link protection</LocalProtectionType>
        <ServiceTemplate>None</ServiceTemplate>
        <LabelAllocation>Auto pick</LabelAllocation>
        <PopatpanultimateRouter>true</PopatpanultimateRouter>
        <PopategressRouter>false</PopategressRouter>
        <Advanced>
            <ClassofService Editable="false">N/A</ClassofService>
            <Metric Editable="false">1</Metric>
            <Preference Editable="false">5</Preference>
        </Advanced>
    </TA>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Input (Bypass Static LSP)

Sample XML Input

```

    <Data xmlns="services.schema.networkapi.jmp.juniper.net">
        <ServiceResource>
            <ServiceDefinition>
                <Common>
                    <Name>StaticLSP_Bypass_Test_Api</Name>
                    <Comments>ertrtrrr</Comments>
                </Common>
                <ServiceType>Static - Bypass</ServiceType>
            <ServiceElementConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
                xsi:type="PTPServiceEndpointGroupParameterDefType"/>
            <ServiceEndPointConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

```

```

xsi:type="PTPEndPointParameterDefType"/>
<TA>
<LSPPProtectionType>No Protection</LSPPProtectionType>
<LocalProtectionType>N/A</LocalProtectionType>
<ServiceTemplate>None</ServiceTemplate>
<LabelAllocation>Auto pick</LabelAllocation>
<PopatpanultimateRouter>true</PopatpanultimateRouter>
<PopategressRouter>false</PopategressRouter>
</TA>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceDefinitionCustomActionType">
    <Action>Publish</Action>
</CustomAction>
</ServiceDefinition>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<Status>
<Identity>
<Type>ServiceDefinition</Type>
<Value>214</Value>
</Identity>
<Code>200</Code>
<Message>ServiceDefinition Created and Published Successfully</Message>
</Status>
</Data>

```

Publish and Unpublish a Static LSP Service Definition

This request is used to publish or unpublish a Static LSP service definition.

| | |
|--------------|---|
| URI | api/space/nsas/static-lsp/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-definition+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition-status+xml Action types are Publish and Unpublish. |
| Produces | Publishes or unpublishes a Static LSP service definition. |

Input for Unpublishing a Service Definition

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceDefinitionCustomActionType">
    <Action>UnPublish</Action>
  </CustomAction>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceDefinition</Type>
      <Value>7012365</Value>
```

```

    </Identity>
    <Code>200</Code>
    <Message>ServiceDefinition UnPublished Successfully</Message>
  </Status>
</Data>

```

Input for Publishing a Service Definition

Sample XML Input

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceDefinitionCustomActionType">
    <Action>Publish</Action>
  </CustomAction>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceDefinition</Type>
      <Value>7012365</Value>
    </Identity>
    <Code>200</Code>
    <Message>ServiceDefinition Published Successfully</Message>
  </Status>
</Data>

```

Delete a Static LSP Service Definition

This request is used to delete a previously configured Static LSP service definition.

| | |
|-------------|---|
| URI | api/space/nsas/static-lsp/service-management/service-definitions/ <servicedefinition-id> |
| HTTP Method | DELETE |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition+xml |
| Produces | Deletes a Static LSP service definition. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceDefinition</Type>
      <Value>7012365</Value>
    </Identity>
    <Code>200</Code>
    <Message>ServiceDefinition Deleted Successfully</Message>
  </Status>
</Data>
```

Static LSP Service Orders Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director Static LSP Service Orders Management RESTful Web Services.

Get All Static LSP Service Orders

This request is used to retrieve all the configured Static LSP service orders.

| | |
|-------------|---|
| URI | api/space/nsas/static-lsp/service-management/service-orders |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-orders+xml |
| Produces | Collects all the configured Static LSP service orders. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="2">

    <ServiceOrder
      href="/api/space/nsas/static-lsp/service-management/service-orders/98314"

      uri="/api/space/nsas/static-lsp/service-management/service-orders/98314"
      key="98314">
      <Common>
        <Name>sdf</Name>
        <Identity>98314</Identity>
        <State>Completed</State>
        <Comments>sfsdf</Comments>
        <CreatedDate>2013-08-19T11:34:02.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-08-19T11:34:18.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>LSP</ServiceType>
      <Action>Provisioning</Action>
      <Reference>
        <ServiceDefinition>
          <ServiceDefinitionID key="1"

          href="/api/space/nsas/static-lsp/service-management/service-definitions/1"
```

```

        uri="/api/space/nsas/static-lsp/service-management/service-definitions/1"
    />
    </ServiceDefinition>
    <Service key="98317"
        href="/api/space/nsas/static-lsp/service-management/services/98317"
        uri="/api/space/nsas/static-lsp/service-management/services/98317" />
    </Reference>
</ServiceOrder>
<ServiceOrder
    href="/api/space/nsas/static-lsp/service-management/service-orders/98305"

    uri="/api/space/nsas/static-lsp/service-management/service-orders/98305"
    key="98305">
    <Common>
        <Name>stsfds</Name>
        <Identity>98305</Identity>
        <State>Completed</State>
        <Comments>dsfdfs</Comments>
        <CreateDate>2013-08-14T19:37:17.000+05:30</CreateDate>
        <LastUpdatedDate>2013-08-14T19:37:35.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>LSP</ServiceType>
    <Action>Provisioning</Action>
    <Reference>
        <ServiceDefinition>
            <ServiceDefinitionID key="1"

href="/api/space/nsas/static-lsp/service-management/service-definitions/1"
            uri="/api/space/nsas/static-lsp/service-management/service-definitions/1"
        />
        </ServiceDefinition>
        <Service key="98308"
            href="/api/space/nsas/static-lsp/service-management/services/98308"
            uri="/api/space/nsas/static-lsp/service-management/services/98308" />
        </Reference>
    </ServiceOrder>
</ServiceResource>
</Data>

```

Get a Static LSP Service Order By Order ID

This request is used to retrieve the details of a particular Static LSP service order based on the service order ID.

| | |
|-------------|--|
| URI | api/space/nsas/static-lsp/service-management/service-orders/<serviceOrderId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml application/vnd.net.juniper.space.service-management.service-order+xml;version=2 |
| Produces | Collects the details of a specific Static LSP service order. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>Bypass</Name>
        <Identity>152</Identity>
        <State>Completed</State>
        <CreatedDate>2013-11-07T18:53:54.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-11-07T18:54:29.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>LSP</ServiceType>
      <LSPName>Bypass_to_50_1_2_3</LSPName>
      <LSPPattern key="102"
        uri="/api/space/nsas/lsp-pattern/service-management/service-patterns/102"

        href="/api/space/nsas/lsp-pattern/service-management/service-patterns/102">

        <PatternTemplate>$Name_to_$EgressLoopbackAddress</PatternTemplate>
        <PatternName>Default LSP Pattern</PatternName>
```

```

    <PatternID>102</PatternID>
  </LSPPattern>
<ServiceEndPointGroup>
  <DeviceInfo>
    <TA
      href="/api/space/nsas/prestage-ta-device/manage-devices/devices/65998"

      uri="/api/space/nsas/prestage-ta-device/manage-devices/devices/65998"
      key="65998">
        <DeviceName>embassy</DeviceName>
        <DeviceID>65998</DeviceID>
      </TA>
    </DeviceInfo>
    <RouterSetting>
      <RouterType>Ingress</RouterType>
      <NextHopInterface>ge-1/1/0.15</NextHopInterface>
      <NextHopAddress>10.5.67.8</NextHopAddress>
      <LabelOperation>PUSH</LabelOperation>
      <Label>1000000</Label>
    </RouterSetting>
  </ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <TA
      href="/api/space/nsas/prestage-ta-device/manage-devices/devices/65685"

      uri="/api/space/nsas/prestage-ta-device/manage-devices/devices/65685"
      key="65685">
        <DeviceName>junos-mx240-space</DeviceName>
        <DeviceID>65685</DeviceID>
      </TA>
    </DeviceInfo>
    <RouterSetting>
      <RouterType>Transit</RouterType>
      <NextHopInterface>ge-0/0/4.7</NextHopInterface>
      <NextHopAddress>10.3.45.6</NextHopAddress>
      <LabelOperation>POP</LabelOperation>
    </RouterSetting>
  </ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <TA

```

```

    href="/api/space/nsas/prestage-ta-device/manage-devices/devices/66063"

    uri="/api/space/nsas/prestage-ta-device/manage-devices/devices/66063"
    key="66063">
      <DeviceName>exora</DeviceName>
      <DeviceID>66063</DeviceID>
    </TA>
  </DeviceInfo>
  <RouterSetting>
    <RouterType>Egress</RouterType>
  </RouterSetting>
</ServiceEndPointGroup>
<Reference>
  <ServiceDefinition>
    <ServiceDefinitionID key="118"

href="/api/space/nsas/static-lsp/service-management/service-definitions/118"

uri="/api/space/nsas/static-lsp/service-management/service-definitions/118"
  />
    </ServiceDefinition>
    <Service key="157"
      href="/api/space/nsas/static-lsp/service-management/services/157"
      uri="/api/space/nsas/static-lsp/service-management/services/157" />
    </Reference>
  </ServiceOrder>
</ServiceResource>
</Data>

```

Sample XML Output

Create a Static LSP Service Order

This request is used to create a Static LSP service order.

| | |
|--------------|--|
| URI | api/space/nsas/static-lsp/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-order+xml |
| Consumes | <p>application/vnd.net.juniper.space.service-management. service-order-status+xml</p> <p>For the various options in creating ServiceOrder the options must be specified in the Action Element inside OperationSpecificData. The following values can be entered:</p> <ul style="list-style-type: none"> • Save (Create and only Save a SO) • SaveAndValidate (Create, Save, and Validate a SO) Default value when no Custom action is specified. • SaveAndDeployNow (Create, Save, and Deploy a SO) • SaveAndDeployLater (Create, Save, and Deploy Later a SO) |
| Produces | Creates a Static LSP service order. |

Input (Single-Hop Static LSP)

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>S_AP1</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <TA>
```

```

    <DeviceName>junos-space2</DeviceName>
    <DeviceID>360698</DeviceID>
  </TA>
</DeviceInfo>
<RouterSetting>
  <RouterType>Ingress</RouterType>
  <NextHopInterface>ge-0/1/6.0</NextHopInterface>
  <NextHopAddress>20.1.46.1</NextHopAddress>
</RouterSetting>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <TA>
      <DeviceName>junos-space3</DeviceName>
      <DeviceID>360626</DeviceID>
    </TA>
  </DeviceInfo>
  <RouterSetting>
    <RouterType>Egress</RouterType>
  </RouterSetting>
</ServiceEndPointGroup>
<IngressRouterSetting>
  <Advance>
    <ClassOfService>N/A</ClassOfService>
    <Metric>4</Metric>
    <Preference>5</Preference>
  </Advance>
  <DestinationAddress>20.1.46.2, 20.1.46.3 </DestinationAddress>
</IngressRouterSetting>
<Reference>
  <ServiceDefinition>
    <ServiceDefinitionID key="1"/>
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
  <Action>SaveAndDeployNow</Action>
</CustomAction></Data>

```

Input (Bypass Single-Hop Static LSP with Auto-Pick Label)

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>BY_P_A</Name>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <TA >
            <DeviceName>junos-space2</DeviceName>
            <DeviceID>360698</DeviceID>
          </TA>
        </DeviceInfo>
        <RouterSetting>
          <RouterType>Ingress</RouterType>
          <NextHopInterface>ge-0/1/6.0</NextHopInterface>
          <NextHopAddress>20.1.46.1</NextHopAddress>
          <LabelOperation>PUSH</LabelOperation>

        </RouterSetting>
      </ServiceEndPointGroup>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <TA>
            <DeviceName>junos-space5</DeviceName>
            <DeviceID>360533</DeviceID>
          </TA>
        </DeviceInfo>
        <RouterSetting>
          <RouterType>Transit</RouterType>
          <NextHopInterface>ge-0/1/0.166</NextHopInterface>
          <NextHopAddress>20.1.46.1</NextHopAddress>
          <LabelOperation>SWAP</LabelOperation>

        </RouterSetting>
      </ServiceEndPointGroup>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <TA>
            <DeviceName>kochin</DeviceName>
```

```

        <DeviceID>360450</DeviceID>
      </TA>
    </DeviceInfo>
    <RouterSetting>
      <RouterType>Transit</RouterType>
      <NextHopInterface>ge-0/0/7.2</NextHopInterface>
      <NextHopAddress>20.1.46.1</NextHopAddress>
      <LabelOperation>POP</LabelOperation>
    </RouterSetting>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <TA>
        <DeviceName>junos-space3</DeviceName>
        <DeviceID>360626</DeviceID>
      </TA>
    </DeviceInfo>
    <RouterSetting>
      <RouterType>Egress</RouterType>
    </RouterSetting>
  </ServiceEndPointGroup>
  <Reference>
    <ServiceDefinition>
      <ServiceDefinitionID key="98317" />
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
  <Action>SaveAndDeployNow</Action>
</CustomAction>
</Data>

```

Input (Single-Hop Static LSP with Manual Label)

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>BY_P_A1</Name>
      </Common>

      <ServiceEndPointGroup>
        <DeviceInfo>
          <TA>
            <DeviceName>junos-space2</DeviceName>
            <DeviceID>360698</DeviceID>
          </TA>
        </DeviceInfo>
        <RouterSetting>
          <RouterType>Ingress</RouterType>
          <NextHopInterface>ge-0/1/6.0</NextHopInterface>
          <NextHopAddress>20.1.46.1</NextHopAddress>
          <LabelOperation>PUSH</LabelOperation>
          <Label>1005097</Label>
        </RouterSetting>
      </ServiceEndPointGroup>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <TA>
            <DeviceName>junos-space5</DeviceName>
            <DeviceID>360533</DeviceID>
          </TA>
        </DeviceInfo>
        <RouterSetting>
          <RouterType>Transit</RouterType>
          <NextHopInterface>ge-0/1/6.3</NextHopInterface>
          <NextHopAddress>20.1.46.1</NextHopAddress>
          <LabelOperation>SWAP</LabelOperation>
          <Label>1001683</Label>
        </RouterSetting>
      </ServiceEndPointGroup>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <TA>
            <DeviceName>kochin</DeviceName>

```

```

    <DeviceID>360450</DeviceID>
  </TA>
</DeviceInfo>
<RouterSetting>
  <RouterType>Transit</RouterType>
  <NextHopInterface>ge-0/0/7.2</NextHopInterface>
  <NextHopAddress>20.1.46.1</NextHopAddress>
  <LabelOperation>POP</LabelOperation>
</RouterSetting>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <TA>
      <DeviceName>junos-space3</DeviceName>
      <DeviceID>360626</DeviceID>
    </TA>
  </DeviceInfo>
  <RouterSetting>
    <RouterType>Egress</RouterType>
  </RouterSetting>
</ServiceEndPointGroup>
<Reference>
  <ServiceDefinition>
    <ServiceDefinitionID key="327940" />
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
  <Action>SaveAndDeployNow</Action>
</CustomAction>
</Data>
```

Deploy a Static LSP Service Order

This request is used to deploy a previously created Static LSP service order.

| | |
|-------------|--|
| URI | api/space/nsas/static-lsp/service-management/service-orders/ |
| HTTP Method | POST |

| | |
|--------------|--|
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml |
| Consumes | <p>application/vnd.net.juniper.space.service-management.service-order-status+xml</p> <p>The options must be specified in the Action Element inside OperationSpecificData. The various options are as follows:</p> <ul style="list-style-type: none"> • DeployNow (Deploy an already created SO) • DeployLater (Deploy Later an already created SO) • ValidateNow (Validate now an already created SO) • ValidateLater (Validate later an already created SO) • PartialDeleteNow (Delete the partially created configuration now) • PartialDeleteLater (Delete the partially created configuration Later) |
| Produces | Deploys a previously created Static LSP service order. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="ServiceOrderCustomActionType">
    <Action>DeployNow</Action>
  </CustomAction>
</Data>
```

Validate a Static LSP Service Order

This request is used to validate a previously created Static LSP service order.

| | |
|-------------|--|
| URI | api/space/nsas/static-lsp/service-management/service-orders/ |
| HTTP Method | POST |

| | |
|--------------|--|
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml |
| Consumes | <p>application/vnd.net.juniper.space.service-management.service-order-status+xml</p> <p>The options must be specified in the Action Element inside OperationSpecificData. The various options are as follows:</p> <ul style="list-style-type: none"> • DeployNow (Deploy an already created SO) • DeployLater (Deploy Later an already created SO) • ValidateNow (Validate now an already created SO) • ValidateLater (Validate later an already created SO) • PartialDeleteNow (Delete the partially created configuration now) • PartialDeleteLater (Delete the partially created configuration Later) |
| Produces | Validates a previously created Static LSP service order. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
    <Action>ValidateNow</Action>
  </CustomAction>
</Data>
```

Delete a Static LSP Service Order

This request is used to delete a previously configured Static LSP service order.

| | |
|-------------|---|
| URI | api/space/nsas/static-lsp/service-management/service-orders/<serviceOrder-id> |
| HTTP Method | DELETE |

| | |
|----------|--|
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Deletes a Static LSP service order. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>StaticLSPServiceOrder</Type>
      <Value>6553600</Value>
    </Identity>
    <Code>200</Code>
    <Message>Service order Deleted Successfully.</Message>
  </Status>
</Data>
```

View the Pending Configuration of a Static LSP Service Order

This request is used to view the details of a Static LSP service order that are pending to be applied to a device.

| | |
|-------------|--|
| URI | api/space/nsas/static-lsp/service-management/service-orders/view-pendingorderconfiguration/<serviceOrder-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.pendingorder-config+xml |
| Produces | Displays the configuration details of a service order pending to be applied to a device. |

Output

Sample XML Output

Static LSP Services Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director Static LSP Services Management RESTful Web Services.

Get a Static LSP Service By Service ID

This request is used to retrieve the details of a particular Static LSP service.

| | |
|-------------|---|
| URI | api/space/nsas/static-lsp/service-management/services/<serviceld> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-managementservices+xml |
| Produces | Collects the details of a specific Static LSP service. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service href="/api/space/nsas/static-lsp/service-management/services/157"
      uri="/api/space/nsas/static-lsp/service-management/services/157" key="157">

      <Common>
        <Name>Bypass</Name>
        <Identity>157</Identity>
        <State>Deployed</State>
        <CreatedDate>2013-11-07T18:54:29.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-11-07T18:54:29.000+05:30</LastUpdatedDate>
```

```

</Common>
<ServiceType>LSP</ServiceType>
<LSPName>Bypass_to_50_1_2_3</LSPName>
<LSPPattern key="102"
uri="/api/space/nsas/lsp-pattern/service-management/service-patterns/102"

href="/api/space/nsas/lsp-pattern/service-management/service-patterns/102">

  <PatternTemplate>$Name_to_$EgressLoopbackAddress</PatternTemplate>
  <PatternName>Default LSP Pattern</PatternName>
  <PatternID>102</PatternID>
</LSPPattern>
<AuditFlag>
  <FunctionalAudit>Pending</FunctionalAudit>
  <FaultStatus>None</FaultStatus>
  <SLAStatus>None</SLAStatus>
</AuditFlag>
<ServiceEndPointGroup>
  <DeviceInfo>
    <TA
      href="/api/space/nsas/prestage-ta-device/manage-devices/devices/65998"

      uri="/api/space/nsas/prestage-ta-device/manage-devices/devices/65998"
      key="65998">
        <DeviceName>embassy</DeviceName>
        <DeviceID>65998</DeviceID>
      </TA>
    </DeviceInfo>
    <RouterSetting>
      <RouterType>Ingress</RouterType>
      <NextHopInterface>ge-1/1/0.15</NextHopInterface>
      <NextHopAddress>10.5.67.8</NextHopAddress>
      <LabelOperation>PUSH</LabelOperation>
      <Label>1000000</Label>
    </RouterSetting>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <TA
        href="/api/space/nsas/prestage-ta-device/manage-devices/devices/65685"

        uri="/api/space/nsas/prestage-ta-device/manage-devices/devices/65685"

```

```

        key="65685">
        <DeviceName>junos-mx240-space</DeviceName>
        <DeviceID>65685</DeviceID>
    </TA>
</DeviceInfo>
<RouterSetting>
    <RouterType>Transit</RouterType>
    <NextHopInterface>ge-0/0/4.7</NextHopInterface>
    <NextHopAddress>10.3.45.6</NextHopAddress>
    <LabelOperation>POP</LabelOperation>
</RouterSetting>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <TA
            href="/api/space/nsas/prestage-ta-device/manage-devices/devices/66063"

            uri="/api/space/nsas/prestage-ta-device/manage-devices/devices/66063"
            key="66063">
            <DeviceName>exora</DeviceName>
            <DeviceID>66063</DeviceID>
        </TA>
    </DeviceInfo>
    <RouterSetting>
        <RouterType>Egress</RouterType>
    </RouterSetting>
</ServiceEndPointGroup>
<Reference>
    <ServiceOrder key="152"
        href="/api/space/nsas/static-lsp/service-management/service-orders/152"

        uri="/api/space/nsas/static-lsp/service-management/service-orders/152"
    />
    <ServiceDefinition>
        <ServiceDefinitionID key="118"

        href="/api/space/nsas/static-lsp/service-management/service-definitions/118"

        uri="/api/space/nsas/static-lsp/service-management/service-definitions/118"
    />
    </ServiceDefinition>

```

```
    </Reference>
  </Service>
</ServiceResource>
</Data>
```

Get All Static LSP Services

This request is used to retrieve all the configured Static LSP services.

| | |
|-------------|--|
| URI | api/space/nsas/static-lsp/service-management/services |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.servicesxml |
| Produces | Collects all the configured Static LSP services. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="5">
    <Service href="/api/space/nsas/static-lsp/service-management/services/98308"

      uri="/api/space/nsas/static-lsp/service-management/services/98308"
      key="98308">
      <Common>
        <Name>stsfds</Name>
        <Identity>98308</Identity>
        <State>Deployed</State>
        <Comments>stsfds</Comments>
        <CreatedDate>2013-08-14T19:37:35.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-08-14T19:37:35.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>LSP</ServiceType>
```

```

    <AuditFlag>
      <FunctionalAudit>Pending</FunctionalAudit>
      <FaultStatus>None</FaultStatus>
    </AuditFlag>
    <Reference>
      <ServiceOrder key="98305"
        href="/api/space/nsas/static-lsp/service-management/service-orders/98305"

        uri="/api/space/nsas/static-lsp/service-management/service-orders/98305"
      />
      <ServiceDefinition>
        <ServiceDefinitionID key="1"

        href="/api/space/nsas/static-lsp/service-management/service-definitions/1"
        uri="/api/space/nsas/static-lsp/service-management/service-definitions/1"
      />
      </ServiceDefinition>
    </Reference>
  </Service>
  <Service href="/api/space/nsas/static-lsp/service-management/services/98317"

  uri="/api/space/nsas/static-lsp/service-management/services/98317"
key="98317">
    <Common>
      <Name>sdf</Name>
      <Identity>98317</Identity>
      <State>Deployed</State>
      <Comments>sdf</Comments>
      <CreatedDate>2013-08-19T11:34:18.000+05:30</CreatedDate>
      <LastUpdatedDate>2013-08-19T11:34:18.000+05:30</LastUpdatedDate>
    </Common>
    <ServiceType>LSP</ServiceType>
    <AuditFlag>
      <FunctionalAudit>Pending</FunctionalAudit>
      <FaultStatus>None</FaultStatus>
    </AuditFlag>
    <Reference>
      <ServiceOrder key="98314"
        href="/api/space/nsas/static-lsp/service-management/service-orders/98314"

        uri="/api/space/nsas/static-lsp/service-management/service-orders/98314"
      />

```

```

    <ServiceDefinition>
      <ServiceDefinitionID key="1"

href="/api/space/nsas/static-lsp/service-management/service-definitions/1"
      uri="/api/space/nsas/static-lsp/service-management/service-definitions/1"
    />
    </ServiceDefinition>
  </Reference>
</Service>
<Service href="/api/space/nsas/static-lsp/service-management/services/262148"

uri="/api/space/nsas/static-lsp/service-management/services/262148"
key="262148">
  <Common>
    <Name>Teststatic1</Name>
    <Identity>262148</Identity>
    <State>Deployed</State>
    <Comments>Teststatic1</Comments>
    <CreatedDate>2013-09-06T14:48:34.000+05:30</CreatedDate>
    <LastUpdatedDate>2013-09-06T14:48:34.000+05:30</LastUpdatedDate>
  </Common>
  <ServiceType>LSP</ServiceType>
  <AuditFlag>
    <FunctionalAudit>Pending</FunctionalAudit>
    <FaultStatus>None</FaultStatus>
  </AuditFlag>
  <Reference>
    <ServiceOrder key="262144"
href="/api/space/nsas/static-lsp/service-management/service-orders/262144"

uri="/api/space/nsas/static-lsp/service-management/service-orders/262144"
  />
  <ServiceDefinition>
    <ServiceDefinitionID key="23"

href="/api/space/nsas/static-lsp/service-management/service-definitions/23"

uri="/api/space/nsas/static-lsp/service-management/service-definitions/23"
  />
    </ServiceDefinition>
  </Reference>
</Service>

```

```

<Service href="/api/space/nsas/static-lsp/service-management/services/294917"

uri="/api/space/nsas/static-lsp/service-management/services/294917"
key="294917">
<Common>
  <Name>test_static</Name>
  <Identity>294917</Identity>
  <State>Deployed</State>
  <Comments>test_static</Comments>
  <CreatedDate>2013-09-12T18:41:14.000+05:30</CreatedDate>
  <LastUpdatedDate>2013-09-12T18:41:14.000+05:30</LastUpdatedDate>
</Common>
<ServiceType>LSP</ServiceType>
<AuditFlag>
  <FunctionalAudit>Pending</FunctionalAudit>
  <FaultStatus>None</FaultStatus>
</AuditFlag>
<Reference>
  <ServiceOrder key="294912"
href="/api/space/nsas/static-lsp/service-management/service-orders/294912"

uri="/api/space/nsas/static-lsp/service-management/service-orders/294912"
/>
  <ServiceDefinition>
    <ServiceDefinitionID key="36"

href="/api/space/nsas/static-lsp/service-management/service-definitions/36"

uri="/api/space/nsas/static-lsp/service-management/service-definitions/36"
/>
    </ServiceDefinition>
  </Reference>
</Service>
<Service href="/api/space/nsas/static-lsp/service-management/services/294928"

uri="/api/space/nsas/static-lsp/service-management/services/294928"
key="294928">
<Common>
  <Name>teststatic</Name>
  <Identity>294928</Identity>
  <State>Deployed</State>
  <Comments>teststatic</Comments>

```

```

    <CreatedDate>2013-09-13T13:49:10.000+05:30</CreatedDate>
    <LastUpdatedDate>2013-09-13T13:49:10.000+05:30</LastUpdatedDate>
  </Common>
  <ServiceType>LSP</ServiceType>
  <AuditFlag>
    <FunctionalAudit>Pending</FunctionalAudit>
    <FaultStatus>None</FaultStatus>
  </AuditFlag>
  <Reference>
    <ServiceOrder key="294925"
      href="/api/space/nsas/static-lsp/service-management/service-orders/294925"

      uri="/api/space/nsas/static-lsp/service-management/service-orders/294925"
    />
    <ServiceDefinition>
      <ServiceDefinitionID key="7"

      href="/api/space/nsas/static-lsp/service-management/service-definitions/7"
      uri="/api/space/nsas/static-lsp/service-management/service-definitions/7"
    />
    </ServiceDefinition>
  </Reference>
</Service>
</ServiceResource>
</Data>
```

Modify a Static LSP Service

This request is used to modify a Static LSP service.

| | |
|--------------|---|
| URI | api/space/nsas/static-lsp/service-management/services/{service-Id} |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. modify-service+xml;version=2;charset=UTF-8 |

| | |
|----------|---|
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml;version=2 |
| Produces | Modifies a Static LSP service. |

Input (Single-Hop Static LSP)

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <TA>
            <DeviceName>junos-space2</DeviceName>
            <DeviceID>360698</DeviceID>
          </TA>
        </DeviceInfo>
        <RouterSetting>
          <RouterType>Ingress</RouterType>
          <NextHopInterface>ge-0/1/6.0</NextHopInterface>
          <NextHopAddress>20.1.46.10</NextHopAddress>
        </RouterSetting>
      </ServiceEndPointGroup>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <TA>
            <DeviceName>junos-space3</DeviceName>
            <DeviceID>360626</DeviceID>
          </TA>
        </DeviceInfo>
        <RouterSetting>
          <RouterType>Egress</RouterType>
        </RouterSetting>
      </ServiceEndPointGroup>
      <IngressRouterSetting>
        <Advance>
          <ClassOfService>N/A</ClassOfService>
        </Advance>
      </IngressRouterSetting>
    </ServiceOrder>
  </ServiceResource>
</Data>
```

```

        <Metric>4</Metric>
        <Preference>5</Preference>
    </Advance>
    <DestinationAddress>20.1.46.7 MOD 20.1.46.8, 20.1.46.2
RM</DestinationAddress>
    </IngressRouterSetting>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceCustomActionType">
    <Action>SaveAndDeployNow</Action>
</CustomAction></Data>

```

Input (Single-Hop Static LSP with Addition or Edit of Destination Address)

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
        <ServiceOrder>
            <Common>
            </Common>
            <ServiceEndPointGroup>
            </ServiceEndPointGroup>
            <IngressRouterSetting>
                <DestinationAddress>20.1.46.7 MOD 20.1.46.8, 20.1.46.2 RM, 20.1.46.10,
20.1.46.15</DestinationAddress>
            </IngressRouterSetting>
        </ServiceOrder>
    </ServiceResource>
    <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceCustomActionType">
        <Action>SaveAndDeployNow</Action>
    </CustomAction></Data>

```

Input (Single-Hop Static LSP with Edit of Advanced Settings)

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
      </Common>
      <ServiceEndPointGroup>
      </ServiceEndPointGroup>
      <IngressRouterSetting>
        <Advance>
          <ClassOfService>N/A</ClassOfService>
          <Metric>4</Metric>
          <Preference>5</Preference>
        </Advance>
      </IngressRouterSetting>
    </ServiceOrder>
  </ServiceResource>
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="ServiceCustomActionType">
    <Action>SaveAndDeployNow</Action>
  </CustomAction></Data>
```

Input (Bypass Static LSP)

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>

      </Common>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <TA>
```

```

        <DeviceName>junos-space2</DeviceName>
        <DeviceID>360698</DeviceID>
    </TA>
</DeviceInfo>
<RouterSetting>
    <RouterType>Ingress</RouterType>
    <NextHopInterface>ge-0/1/6.0</NextHopInterface>
    <NextHopAddress>20.1.46.21</NextHopAddress>
    <LabelOperation>PUSH</LabelOperation>
</RouterSetting>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <TA>
            <DeviceName>junos-space5</DeviceName>
            <DeviceID>360533</DeviceID>
        </TA>
    </DeviceInfo>
    <RouterSetting>
        <RouterType>Transit</RouterType>
        <NextHopInterface>ge-0/1/6.3</NextHopInterface>
        <NextHopAddress>20.1.46.11</NextHopAddress>
        <LabelOperation>SWAP</LabelOperation>
    </RouterSetting>
</ServiceEndPointGroup>

</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="ServiceCustomActionType">
    <Action>SaveAndDeployNow</Action>
</CustomAction>
</Data>

```

Force-Deploy a Static LSP Service

This request is used to forcibly deploy a previously created Static LSP service.

| | |
|-----|---|
| URI | api/space/nsas/static-lsp/service-management/ services/{serviceld} |
|-----|---|

| | |
|--------------|--|
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.modify-service+xml |
| Consumes | <p>application/vnd.net.juniper.space.service-management.service-status+xml</p> <p>The options must be specified in the Action Element inside OperationSpecificData. The various options are as follows:</p> <ul style="list-style-type: none"> • DeployNow • DeployLater |
| Produces | Forcibly deploys a previously created Static LSP service. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <CustomAction xsi:type="ServiceCustomActionType">
    <Action>DeployNow</Action>
  </CustomAction>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>123</Value>
    </Identity>
  </Status>
</Data>
```

```
<ID>688267</ID>
<Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>Service Force Deploy was Successfully triggered. Please check
the status using the JOB ID.</Message>
</Status>
</Data>
```

Decommission a Static LSP Service Immediately

This request is used to decommission a previously created Static LSP service immediately.

| | |
|--------------|--|
| URI | api/space/nsas/static-lsp/service-management/services/{serviceId} |
| HTTP Method | DELETE |
| Content-Type | application/vnd.netjuniper.space.service-management.service+xml |
| Produces | Decommissions a previously created Static LSP service immediately. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>StaticLSPService</Type>
      <Value>6553600</Value>
    </Identity>
    <Code>200</Code>
    <Message>Service Deleted Successfully.</Message>
  </Status>
</Data>
```

Decommission a Static LSP Service Later

This request is used to decommission a previously created Static LSP service at a later time.

| | |
|--------------|---|
| URI | api/space/nsas/static-lsp/service-management/ services/{serviceId} |
| HTTP Method | DELETE |
| Content-Type | application/vnd.net.juniper.space.service-management.service+xml |
| Produces | Decommissions a previously created Static LSP service at a later time. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Identity>
    <Type>Service</Type>
    <Value>1540110</Value>
  </Identity>
  <CustomAction xsi:type="ServiceCustomActionType">
    <Action>DecommissionLater</Action>

    <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
  </CustomAction>
</Data>
```

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1179679</Value>
    </Identity>
    <Job>
      <ID>1998906</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service Decommission was Successfully triggered. Please check
      the status using the JOB ID.</Message>
    </Status>
  </Data>
```

OAM Devices Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director Operations, Administration, and Maintenance (OAM) Devices Management RESTful Web Services.

Get All OAM Devices

This request is used to collect all the OAM devices.

| | |
|-------------|--|
| URI | api/space/nsas/prestage-oam-device/manage-devices/devices |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.manage-devices.oam-devices+xml |
| Produces | Retrieves all the OAM devices that are managed and provisioned by the application. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Devices size="18">
    <Device
      href="/api/space/nsas/prestage-oam-device/manage-devices/devices/131178"
      uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/131178"
      key="131178">
      <Common>
        <Name>embassy</Name>
        <Identity>131178</Identity>
      </Common>
      <ManagementAddress>10.216.114.109</ManagementAddress>
      <LoopBackAddress>50.1.2.4</LoopBackAddress>
    </Device>
    <Device
      href="/api/space/nsas/prestage-oam-device/manage-devices/devices/131160"
      uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/131160"
      key="131160">
      <Common>
        <Name>exora</Name>
        <Identity>131160</Identity>
      </Common>
      <ManagementAddress>10.216.114.114</ManagementAddress>
      <LoopBackAddress>50.1.2.3</LoopBackAddress>
    </Device>
    <Device
      href="/api/space/nsas/prestage-oam-device/manage-devices/devices/131085"
      uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/131085"
      key="131085">
      <Common>
        <Name>fortius-f1103</Name>
        <Identity>131085</Identity>
      </Common>
      <ManagementAddress>10.216.114.211</ManagementAddress>
      <LoopBackAddress>30.1.2.18</LoopBackAddress>
    </Device>
    <Device
      href="/api/space/nsas/prestage-oam-device/manage-devices/devices/131104"
      uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/131104"
      key="131104">
      <Common>
```

```

    <Name>fortius-f1104</Name>
    <Identity>131104</Identity>
  </Common>
  <ManagementAddress>10.216.114.210</ManagementAddress>
  <LoopBackAddress>30.1.2.16</LoopBackAddress>
</Device>
<Device
  href="/api/space/nsas/prestage-oam-device/manage-devices/devices/131249"
  uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/131249"
  key="131249">
  <Common>
    <Name>fortius-f2100-a</Name>
    <Identity>131249</Identity>
  </Common>
  <ManagementAddress>10.216.114.94</ManagementAddress>
  <LoopBackAddress>30.1.2.13</LoopBackAddress>
</Device>
<Device
  href="/api/space/nsas/prestage-oam-device/manage-devices/devices/131263"
  uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/131263"
  key="131263">
  <Common>
    <Name>fortius-f4000-a</Name>
    <Identity>131263</Identity>
  </Common>
  <ManagementAddress>10.216.114.96</ManagementAddress>
  <LoopBackAddress>30.1.2.15</LoopBackAddress>
</Device>
<Device
  href="/api/space/nsas/prestage-oam-device/manage-devices/devices/131095"
  uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/131095"
  key="131095">
  <Common>
    <Name>fortius-g2106</Name>
    <Identity>131095</Identity>
  </Common>
  <ManagementAddress>10.216.114.209</ManagementAddress>
  <LoopBackAddress>30.1.2.19</LoopBackAddress>
</Device>
<Device
  href="/api/space/nsas/prestage-oam-device/manage-devices/devices/131214"
  uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/131214"

```

```

key="131214">
  <Common>
    <Name>jaipur</Name>
    <Identity>131214</Identity>
  </Common>
  <ManagementAddress>10.216.114.112</ManagementAddress>
  <LoopBackAddress>50.1.2.2</LoopBackAddress>
</Device>
<Device
  href="/api/space/nsas/prestage-oam-device/manage-devices/devices/133165"
  uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/133165"
  key="133165">
  <Common>
    <Name>junos-m10-1-space</Name>
    <Identity>133165</Identity>
  </Common>
  <ManagementAddress>10.216.114.102</ManagementAddress>
  <LoopBackAddress>30.1.2.4</LoopBackAddress>
</Device>
<Device
  href="/api/space/nsas/prestage-oam-device/manage-devices/devices/131282"
  uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/131282"
  key="131282">
  <Common>
    <Name>junos-mx240-space</Name>
    <Identity>131282</Identity>
  </Common>
  <ManagementAddress>10.216.114.101</ManagementAddress>
  <LoopBackAddress>30.1.2.1</LoopBackAddress>
</Device>
<Device
  href="/api/space/nsas/prestage-oam-device/manage-devices/devices/132125"
  uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/132125"
  key="132125">
  <Common>
    <Name>junos-mx480-space</Name>
    <Identity>132125</Identity>
  </Common>
  <ManagementAddress>10.216.114.100</ManagementAddress>
  <LoopBackAddress>30.1.2.6</LoopBackAddress>
</Device>
<Device

```

```

href="/api/space/nsas/prestage-oam-device/manage-devices/devices/132012"
uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/132012"
key="132012">
  <Common>
    <Name>junos-mx80-1-space</Name>
    <Identity>132012</Identity>
  </Common>
  <ManagementAddress>10.216.114.104</ManagementAddress>
  <LoopBackAddress>30.1.2.5</LoopBackAddress>
</Device>
<Device
  href="/api/space/nsas/prestage-oam-device/manage-devices/devices/133195"
  uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/133195"
  key="133195">
    <Common>
      <Name>junos-mx80-2-space</Name>
      <Identity>133195</Identity>
    </Common>
    <ManagementAddress>10.216.114.105</ManagementAddress>
    <LoopBackAddress>30.1.2.3</LoopBackAddress>
  </Device>
<Device
  href="/api/space/nsas/prestage-oam-device/manage-devices/devices/133347"
  uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/133347"
  key="133347">
    <Common>
      <Name>junos-space1</Name>
      <Identity>133347</Identity>
    </Common>
    <ManagementAddress>10.216.114.119</ManagementAddress>
    <LoopBackAddress>30.1.2.7</LoopBackAddress>
  </Device>
<Device
  href="/api/space/nsas/prestage-oam-device/manage-devices/devices/133390"
  uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/133390"
  key="133390">
    <Common>
      <Name>junos-space2</Name>
      <Identity>133390</Identity>
    </Common>
    <ManagementAddress>10.216.114.120</ManagementAddress>
    <LoopBackAddress>30.1.2.8</LoopBackAddress>

```

```

</Device>
<Device
  href="/api/space/nsas/prestage-oam-device/manage-devices/devices/131074"
  uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/131074"
  key="131074">
  <Common>
    <Name>junos-space3</Name>
    <Identity>131074</Identity>
  </Common>
  <ManagementAddress>10.216.114.121</ManagementAddress>
  <LoopBackAddress>127.0.0.1</LoopBackAddress>
</Device>
<Device
  href="/api/space/nsas/prestage-oam-device/manage-devices/devices/131123"
  uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/131123"
  key="131123">
  <Common>
    <Name>junos-space5</Name>
    <Identity>131123</Identity>
  </Common>
  <ManagementAddress>10.216.114.123</ManagementAddress>
  <LoopBackAddress>30.1.2.11</LoopBackAddress>
</Device>
<Device
  href="/api/space/nsas/prestage-oam-device/manage-devices/devices/131227"
  uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/131227"
  key="131227">
  <Common>
    <Name>kochin</Name>
    <Identity>131227</Identity>
  </Common>
  <ManagementAddress>10.216.114.110</ManagementAddress>
  <LoopBackAddress>50.1.2.1</LoopBackAddress>
</Device>
</Devices>
</Data>

```

Get OAM Devices By Device ID

This request is used to retrieve a OAM device based on the device ID.

| | |
|-------------|--|
| URI | api/space/nsas/prestage-oam-device/manage-devices/devices/<deviceId> |
| HTTP Method | GET |
| Consumes | application/vnd.netjuniper.space.manage-devices.oam-devices+xml |
| Produces | Retrieves the OAM device based on the device ID. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Devices>
    <Device
      href="/api/space/nsas/prestage-oam-device/manage-devices/devices/131199"
      uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/131199"
      key="131199">
      <Common>
        <Name>kochin</Name>
        <Identity>131199</Identity>
      </Common>
      <ManagementAddress>10.216.114.110</ManagementAddress>
      <LoopBackAddress>50.1.2.1</LoopBackAddress>
      <Ports>
        <Port>
          <Name>ge-0/0/0</Name>
          <Id>138092</Id>
          <AdminStatus>up</AdminStatus>
        </Port>
        <Port>
          <Name>ge-0/0/1</Name>
          <Id>138093</Id>
          <AdminStatus>up</AdminStatus>
        </Port>
      </Ports>
    </Device>
  </Devices>
</Data>
```

```
<Port>
  <Name>ge-0/0/2</Name>
  <Id>138094</Id>
  <AdminStatus>up</AdminStatus>
</Port>
<Port>
  <Name>ge-0/0/3</Name>
  <Id>138095</Id>
  <AdminStatus>down</AdminStatus>
</Port>
<Port>
  <Name>ge-0/0/5</Name>
  <Id>138096</Id>
  <AdminStatus>up</AdminStatus>
</Port>
<Port>
  <Name>ge-0/0/6</Name>
  <Id>138097</Id>
  <AdminStatus>up</AdminStatus>
</Port>
<Port>
  <Name>ge-0/0/7</Name>
  <Id>138098</Id>
  <AdminStatus>up</AdminStatus>
</Port>
<Port>
  <Name>ge-0/0/8</Name>
  <Id>138099</Id>
  <AdminStatus>up</AdminStatus>
</Port>
<Port>
  <Name>ge-0/0/9</Name>
  <Id>138100</Id>
  <AdminStatus>up</AdminStatus>
</Port>
<Port>
  <Name>ge-0/2/5</Name>
  <Id>138101</Id>
  <AdminStatus>down</AdminStatus>
</Port>
<Port>
  <Name>ge-0/0/0.0</Name>
```

```
<Id>138102</Id>
<AdminStatus>up</AdminStatus>
</Port>
<Port>
  <Name>ge-0/0/1.0</Name>
  <Id>138103</Id>
  <AdminStatus>up</AdminStatus>
</Port>
<Port>
  <Name>ge-0/0/2.0</Name>
  <Id>138104</Id>
  <AdminStatus>up</AdminStatus>
</Port>
<Port>
  <Name>ge-0/0/3.1</Name>
  <Id>138105</Id>
  <AdminStatus>down</AdminStatus>
</Port>
<Port>
  <Name>ge-0/0/5.0</Name>
  <Id>138106</Id>
  <AdminStatus>up</AdminStatus>
</Port>
<Port>
  <Name>ge-0/0/6.175</Name>
  <Id>138107</Id>
  <AdminStatus>up</AdminStatus>
</Port>
<Port>
  <Name>ge-0/0/6.189</Name>
  <Id>138108</Id>
  <AdminStatus>up</AdminStatus>
</Port>
<Port>
  <Name>ge-0/0/6.190</Name>
  <Id>138109</Id>
  <AdminStatus>up</AdminStatus>
</Port>
<Port>
  <Name>ge-0/0/6.207</Name>
  <Id>138110</Id>
  <AdminStatus>up</AdminStatus>
```

```

    </Port>
    <Port>
      <Name>ge-0/0/7.0</Name>
      <Id>138111</Id>
      <AdminStatus>up</AdminStatus>
    </Port>
    <Port>
      <Name>ge-0/0/9.141</Name>
      <Id>138112</Id>
      <AdminStatus>up</AdminStatus>
    </Port>
    <Port>
      <Name>ge-0/0/9.2</Name>
      <Id>138113</Id>
      <AdminStatus>up</AdminStatus>
    </Port>
    <Port>
      <Name>ge-0/2/5.1</Name>
      <Id>138114</Id>
      <AdminStatus>down</AdminStatus>
    </Port>
  </Ports>
  <ActionProfile key="163915"

```

uri="/api/space/nsas/cfm-actionprofiles/service-management/service-definitions/163915"

href="/api/space/nsas/cfm-actionprofiles/service-management/service-definitions/163915">

```

    <Common>
      <Name>Test</Name>
      <Identity>163915</Identity>
    </Common>
    <Type>CFM</Type>
  </ActionProfile>
  <ActionProfile key="163923"

```

uri="/api/space/nsas/cfm-actionprofiles/service-management/service-definitions/163923"

href="/api/space/nsas/cfm-actionprofiles/service-management/service-definitions/163923">

```

    <Common>
      <Name>Test123</Name>
      <Identity>163923</Identity>
    </Common>
    <Type>CFM</Type>
  </ActionProfile>
  <ActionProfile key="65543"

uri="/api/space/nsas/lfm-actionprofiles/service-management/service-definitions/65543"

href="/api/space/nsas/lfm-actionprofiles/service-management/service-definitions/65543">

    <Common>
      <Name>StdDef-LFM-ActionProfile</Name>
      <Identity>65543</Identity>
    </Common>
    <Type>LFM</Type>
  </ActionProfile>
  <SLAProfile key="98304"

uri="/api/space/nsas/sla-iteratorprofiles/service-management/service-definitions/98304"

href="/api/space/nsas/sla-iteratorprofiles/service-management/service-definitions/98304">

    <Common>
      <Name>StdDef-Loss</Name>
      <Identity>98304</Identity>
    </Common>
  </SLAProfile>
</Device>
</Devices>
</Data>

```

Prestage and Discover Get OAM Devices

This request is used to prestage and discover OAM devices.

| | |
|-------------|---|
| URI | /api/space/nsas/prestage-oam-device/manage-devices/discover-oam-devices |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.discover-oam-devices.status+xml |
| Produces | Prestages and discovers OAM devices. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Job>
      <ID>1376519</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Discover devices process triggered Successfully.Please check
      the Status using Job Id</Message>
    </Status>
  </Data>
```

OAM CFM Profiles Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director Operations, Administration, and Maintenance (OAM) Connectivity Fault Management (CFM) Profiles Management RESTful Web Services.

Get a CFM Action Profile By Service Definition ID

This request is used to retrieve the details of a particular CFM action profile, based on the service definition ID.

| | |
|-------------|---|
| URI | /api/space/nsas/cfm-actionprofiles/service-management/service-definitions/<serdef-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition+xml |
| Produces | Collects the details of a specific CFM action profile. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <OAMDesign>
      <ActionProfile key="163915"

uri="/api/space/nsas/cfm-actionprofiles/service-management/service-definitions/163915"

href="/api/space/nsas/cfm-actionprofiles/service-management/service-definitions/163915">

    <Common>
      <Name>Test</Name>
      <Identity>163915</Identity>
      <State>Published</State>
      <CreateDate>2013-05-21T12:01:58.000Z</CreateDate>
      <LastUpdatedDate>2013-05-21T12:01:58.000Z</LastUpdatedDate>
      <CreatedBy>super</CreatedBy>
    </Common>
    <Event>
      <InterfaceStatusTlv>lower-layer-down</InterfaceStatusTlv>
      <AdjacencyLoss>>false</AdjacencyLoss>
      <RDI>>true</RDI>
```

```

    <ConnProtTlv>using-protection-path</ConnProtTlv>
  </Event>
  <Action>
    <InterfaceDown>true</InterfaceDown>
    <ProbRemMacFlush>true</ProbRemMacFlush>
  </Action>
  <DeviceDetails>
    <OAM
      href="/api/space/nsas/prestage-oam-device/manage-devices/devices/131199"

      uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/131199"

      key="131199">
        <DeviceName>kochin</DeviceName>
        <DeviceID>131199</DeviceID>
      </OAM>
    </DeviceDetails>
  <DeviceDetails>
    <OAM
      href="/api/space/nsas/prestage-oam-device/manage-devices/devices/131074"

      uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/131074"

      key="131074">
        <DeviceName>junos-space3</DeviceName>
        <DeviceID>131074</DeviceID>
      </OAM>
    </DeviceDetails>
  <DeviceDetails>
    <OAM
      href="/api/space/nsas/prestage-oam-device/manage-devices/devices/133179"

      uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/133179"

      key="133179">
        <DeviceName>junos-mx80-2-space</DeviceName>
        <DeviceID>133179</DeviceID>
      </OAM>
    </DeviceDetails>
  </ActionProfile>
</OAMDesign>
</ServiceResource>

```

</Data>

Get All CFM Action Profiles

This request is used to retrieve all the configured CFM action profiles.

| | |
|-------------|--|
| URI | /api/space/nsas/cfm-actionprofiles/service-management/service-definitions/ |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-definitions+xml |
| Produces | Collects all the configured CFM action profiles. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="3">
    <OAMDesign>
      <ActionProfile key="65536"

uri="/api/space/nsas/cfm-actionprofiles/service-management/service-definitions/65536"

href="/api/space/nsas/cfm-actionprofiles/service-management/service-definitions/65536">

      <Common>
        <Name>StdDef-ActionProfile</Name>
        <Identity>65536</Identity>
        <State>Published</State>
        <Comments>Predefined CFM action profile</Comments>
```

```

    <CreateDate>2013-05-21T11:03:39.000Z</CreateDate>
    <LastUpdatedDate>2013-05-21T11:03:39.000Z</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <Type>CFM</Type>
</ActionProfile>
<ActionProfile key="163915"

uri="/api/space/nsas/cfm-actionprofiles/service-management/service-definitions/163915"

href="/api/space/nsas/cfm-actionprofiles/service-management/service-definitions/163915">

  <Common>
    <Name>Test</Name>
    <Identity>163915</Identity>
    <State>Published</State>
    <CreateDate>2013-05-21T12:01:58.000Z</CreateDate>
    <LastUpdatedDate>2013-05-21T12:01:58.000Z</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <Type>CFM</Type>
</ActionProfile>
<ActionProfile key="163923"

uri="/api/space/nsas/cfm-actionprofiles/service-management/service-definitions/163923"

href="/api/space/nsas/cfm-actionprofiles/service-management/service-definitions/163923">

  <Common>
    <Name>Test123</Name>
    <Identity>163923</Identity>
    <State>Published</State>
    <CreateDate>2013-05-21T12:02:25.000Z</CreateDate>
    <LastUpdatedDate>2013-05-21T12:02:25.000Z</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <Type>CFM</Type>
</ActionProfile>
</OAMDesign>
</ServiceResource>

```

```
</Data>
```

Get a CFM Service Order By Service Order ID

This request is used to retrieve the details of a particular CFM service order, based on the service order ID.

| | |
|-------------|---|
| URI | /api/space/nsas/cfm-actionprofiles/service-management/service-orders/<service-order-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Collects the details of a specific CFM service order. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/cfm-profiles/service-management/service-orders/264507"

      uri="/api/space/nsas/cfm-profiles/service-management/service-orders/264507"

      key="264507">
    <Common>
      <Name>Test-API-CFM-SO</Name>
      <Identity>264507</Identity>
      <State>Requested</State>
      <CreatedDate>2013-05-23T12:37:23.000Z</CreatedDate>
      <LastUpdatedDate>2013-05-23T12:37:23.000Z</LastUpdatedDate>
```

```

    <CreatedBy>super</CreatedBy>
  </Common>
  <ServiceType>CFM</ServiceType>
  <Action>Provisioning</Action>
  <CCSettings>
    <HoldInterval>1</HoldInterval>
    <MessageInterval>1s</MessageInterval>
    <LossThreshold>3</LossThreshold>
    <InterfaceStatus>false</InterfaceStatus>
    <PortStatusTLV>false</PortStatusTLV>
    <ProtectionOuiTLV>false</ProtectionOuiTLV>
  </CCSettings>
  <CommonMEPSettings>
    <Direction>down</Direction>
    <Priority>0</Priority>
    <AcceptCCMesgFromRemoteMEP>true</AcceptCCMesgFromRemoteMEP>
  </CommonMEPSettings>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <OAM
href="/api/space/nsas/prestage-oam-device/manage-devices/devices/134937"

uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/134937"

key="134937">
      <DeviceName>junos-mx80-2-space</DeviceName>
      <DeviceID>134937</DeviceID>
    </OAM>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>xe-0/0/0</InterfaceName>
    <MEPId>123</MEPId>
    <RemoteDevice>
      <DeviceInfo>
        <OAM
href="/api/space/nsas/prestage-oam-device/manage-devices/devices/132997"
uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/132997"

key="132997">
      <DeviceName>junos-mx240-space</DeviceName>
      <DeviceID>132997</DeviceID>
    </DeviceInfo>
  </RemoteDevice>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
</Device>

```

```

        </OAM>
    </DeviceInfo>
</RemoteDevice>
<RemoteDevice>
    <DeviceInfo>
        <OAM
href="/api/space/nsas/prestage-oam-device/manage-devices/devices/133862"
    uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/133862"

    key="133862">
        <DeviceName>junos-mx480-space</DeviceName>
        <DeviceID>133862</DeviceID>
    </OAM>
    </DeviceInfo>
</RemoteDevice>
<RemoteDevice>
    <DeviceInfo>
        <OAM
href="/api/space/nsas/prestage-oam-device/manage-devices/devices/133739"
    uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/133739"

    key="133739">
        <DeviceName>junos-mx80-1-space</DeviceName>
        <DeviceID>133739</DeviceID>
    </OAM>
    </DeviceInfo>
</RemoteDevice>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <OAM
href="/api/space/nsas/prestage-oam-device/manage-devices/devices/133739"

    uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/133739"

    key="133739">
        <DeviceName>junos-mx80-1-space</DeviceName>
        <DeviceID>133739</DeviceID>
    </OAM>

```

```

    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>xe-0/0/0</InterfaceName>
      <MEPId>456</MEPId>
      <RemoteDevice>
        <DeviceInfo>
          <OAM

href="/api/space/nsas/prestage-oam-device/manage-devices/devices/132997"
  uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/132997"

  key="132997">
    <DeviceName>junos-mx240-space</DeviceName>
    <DeviceID>132997</DeviceID>
    </OAM>
  </DeviceInfo>
</RemoteDevice>
<RemoteDevice>
  <DeviceInfo>
    <OAM

href="/api/space/nsas/prestage-oam-device/manage-devices/devices/133862"
  uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/133862"

  key="133862">
    <DeviceName>junos-mx480-space</DeviceName>
    <DeviceID>133862</DeviceID>
    </OAM>
  </DeviceInfo>
</RemoteDevice>
<RemoteDevice>
  <DeviceInfo>
    <OAM

href="/api/space/nsas/prestage-oam-device/manage-devices/devices/134937"
  uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/134937"

  key="134937">
    <DeviceName>junos-mx80-2-space</DeviceName>
    <DeviceID>134937</DeviceID>
    </OAM>
  </DeviceInfo>

```

```

    </RemoteDevice>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <OAM
      href="/api/space/nsas/prestage-oam-device/manage-devices/devices/133862"

      uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/133862"

      key="133862">
        <DeviceName>junos-mx480-space</DeviceName>
        <DeviceID>133862</DeviceID>
      </OAM>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>xe-0/0/0</InterfaceName>
      <MEPId>678</MEPId>
      <RemoteDevice>
        <DeviceInfo>
          <OAM

href="/api/space/nsas/prestage-oam-device/manage-devices/devices/132997"
      uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/132997"

      key="132997">
        <DeviceName>junos-mx240-space</DeviceName>
        <DeviceID>132997</DeviceID>
      </OAM>
    </DeviceInfo>
    <IteratorProfileSettings>
      <ActionProfile

href="/api/space/nsas/cfm-actionprofiles/service-management/service-definitions/65536"

uri="/api/space/nsas/cfm-actionprofiles/service-management/service-definitions/65536"

      key="65536" />
    <SLAProfileDetails>
      <SLAProfile

```

href="/api/space/nsas/cfm-profiles/service-management/service-definitions/229376"

uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/229376"

```

    key="229376" />
    <DataTlvSize>1</DataTlvSize>
    <IterationCount>1</IterationCount>
    <Priority>1</Priority>
  </SLAProfileDetails>
</IteratorProfileSettings>
</RemoteDevice>
<RemoteDevice>
  <DeviceInfo>
    <OAM

```

href="/api/space/nsas/prestage-oam-device/manage-devices/devices/133739"

uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/133739"

```

    key="133739">
    <DeviceName>junos-mx80-1-space</DeviceName>
    <DeviceID>133739</DeviceID>
  </OAM>
</DeviceInfo>
<IteratorProfileSettings>
  <ActionProfile

```

href="/api/space/nsas/cfm-actionprofiles/service-management/service-definitions/196608"

uri="/api/space/nsas/cfm-actionprofiles/service-management/service-definitions/196608"

```

    key="196608" />
  </IteratorProfileSettings>
</RemoteDevice>
<RemoteDevice>
  <DeviceInfo>
    <OAM

```

href="/api/space/nsas/prestage-oam-device/manage-devices/devices/134937"

uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/134937"

```

        key="134937">
        <DeviceName>junos-mx80-2-space</DeviceName>
        <DeviceID>134937</DeviceID>
        </OAM>
    </DeviceInfo>
    <IteratorProfileSettings>
        <ActionProfile

href="/api/space/nsas/cfm-actionprofiles/service-management/service-definitions/65536"

uri="/api/space/nsas/cfm-actionprofiles/service-management/service-definitions/65536"

        key="65536" />
        <SLAProfileDetails>
            <SLAProfile

href="/api/space/nsas/cfm-profiles/service-management/service-definitions/98304"

uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/98304"

        key="98304" />
        <DataTlvSize>0</DataTlvSize>
        <IterationCount>0</IterationCount>
        <Priority>0</Priority>
    </SLAProfileDetails>
    <SLAProfileDetails>
        <SLAProfile

href="/api/space/nsas/cfm-profiles/service-management/service-definitions/229376"

uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/229376"

        key="229376" />
        <DataTlvSize>0</DataTlvSize>
        <IterationCount>0</IterationCount>
        <Priority>0</Priority>
    </SLAProfileDetails>
    </IteratorProfileSettings>
</RemoteDevice>

```

```

    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <OAM
        href="/api/space/nsas/prestage-oam-device/manage-devices/devices/132997"

        uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/132997"

        key="132997">
          <DeviceName>junos-mx240-space</DeviceName>
          <DeviceID>132997</DeviceID>
        </OAM>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-0/0/0</InterfaceName>
        <MEPId>789</MEPId>
      </ServiceEndPoint>
    </ServiceEndPointGroup>
  <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

    xsi:type="CFMConfigParameterOrderType">
      <MaintenanceDomain>test</MaintenanceDomain>
      <DomainLevel>1</DomainLevel>
      <MAName>Test-API-CFM-SO</MAName>
    </ServiceOrderParameter>
  <Reference>
    <ServiceDefinition>
      <ServiceDefinitionID key="262144"

href="/api/space/nsas/cfm-profiles/service-management/service-definitions/262144"

uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/262144"
/>
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Get All CFM Service Orders

This request is used to retrieve all the configured CFM service orders.

| | |
|-------------|---|
| URI | /api/space/nsas/cfm-actionprofiles/service-management/service-orders/ |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-orders+xml |
| Produces | Collects all the configured CFM service orders. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="18">
    <ServiceOrder
      href="/api/space/nsas/cfm-profiles/service-management/service-orders/197310"

      uri="/api/space/nsas/cfm-profiles/service-management/service-orders/197310"

      key="197310">
      <Common>
        <Name>Test-REM</Name>
        <Identity>197310</Identity>
        <State>Invalid</State>
        <CreatedDate>2013-05-21T12:51:51.000Z</CreatedDate>
        <LastUpdatedDate>2013-05-21T12:51:51.000Z</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
```

```

    <ServiceType>CFM</ServiceType>
    <Action>Provisioning</Action>
    <Reference>
      <ServiceDefinition>
        <ServiceDefinitionID key="197289"

href="/api/space/nsas/cfm-profiles/service-management/service-definitions/197289"

uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/197289"
  />
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
<ServiceOrder
href="/api/space/nsas/cfm-profiles/service-management/service-orders/197062"

uri="/api/space/nsas/cfm-profiles/service-management/service-orders/197062"

key="197062">
  <Common>
    <Name>CFM service 124</Name>
    <Identity>197062</Identity>
    <State>Invalid</State>
    <Comments>CFM service 124 with Predefined SD</Comments>
    <CreatedDate>2013-05-21T11:57:22.000Z</CreatedDate>
    <LastUpdatedDate>2013-05-21T11:57:22.000Z</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <ServiceType>CFM</ServiceType>
  <Action>Provisioning</Action>
  <Reference>
    <ServiceDefinition>
      <ServiceDefinitionID key="17"

href="/api/space/nsas/cfm-profiles/service-management/service-definitions/17"

uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/17"
  />
    </ServiceDefinition>
  </Reference>

```

```

</ServiceOrder>
<ServiceOrder
  href="/api/space/nsas/cfm-profiles/service-management/service-orders/196835"

  uri="/api/space/nsas/cfm-profiles/service-management/service-orders/196835"

  key="196835">
    <Common>
      <Name>CFM service</Name>
      <Identity>196835</Identity>
      <State>Validated</State>
      <Comments>so with predefined SD</Comments>
      <CreatedDate>2013-05-21T11:56:24.000Z</CreatedDate>
      <LastUpdatedDate>2013-05-21T11:56:24.000Z</LastUpdatedDate>
      <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>CFM</ServiceType>
    <Action>Provisioning</Action>
    <Reference>
      <ServiceDefinition>
        <ServiceDefinitionID key="17"

href="/api/space/nsas/cfm-profiles/service-management/service-definitions/17"

uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/17"
/>
      </ServiceDefinition>
    </Reference>
  </ServiceOrder>
</ServiceResource>
</Data>

```

Create an SLA Profile

This request is used to create an SLA profile.

URI

/api/space/nsas/sla-iteratorprofiles/service-management/
service-definitions/

| | |
|--------------|--|
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.service-definition+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition-status+xml |
| Produces | Creates an SLA profile. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <OAMDesign>
      <SLAIteratorProfile>
        <Common>
          <Name>SLASample-API</Name>
        </Common>
        <CycleTime>10</CycleTime>
        <IterationPeriod>100</IterationPeriod>
        <DisableIteratorProfile>true</DisableIteratorProfile>
        <MeasurementType>two-way-delay</MeasurementType>
        <CalculationWeight>
          <Delay>1</Delay>
          <DelayVariation>1</DelayVariation>
        </CalculationWeight>
      </SLAIteratorProfile>
    </OAMDesign>
  </ServiceResource>
</Data>
```

Get an SLA Iterator Profile By Service Definition ID

This request is used to retrieve the details of a particular SLA iterator profile, based on the service definition ID.

| | |
|-------------|--|
| URI | /api/space/nsas//sla-iteratorprofiles/service-management/ service-definitions/<serdef-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition+xml |
| Produces | Collects the details of a specific SLA iterator profile. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <OAMDesign>
      <SLAIteratorProfile key="229376"

uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/229376"

href="/api/space/nsas/cfm-profiles/service-management/service-definitions/229376">

    <Common>
      <Name>fdgfd</Name>
      <Identity>229376</Identity>
      <State>Unpublished</State>
      <CreatedDate>2013-04-18T18:18:37.000+05:30</CreatedDate>
      <LastUpdatedDate>2013-04-18T18:18:37.000+05:30</LastUpdatedDate>
      <CreatedBy>super</CreatedBy>
    </Common>
    <CycleTime>10</CycleTime>
    <IterationPeriod>1</IterationPeriod>
    <DisableIteratorProfile>>false</DisableIteratorProfile>
```

```

    <MeasurementType>loss</MeasurementType>
  </SLAIteratorProfile>
</OAMDesign>
</ServiceResource>
</Data>

```

Get All SLA Iterator Profiles

This request is used to retrieve all the configured SLA iterator profiles.

| | |
|-------------|---|
| URI | /api/space/nsas//sla-iteratorprofiles/service-management/service-definitions/ |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-definitions+xml |
| Produces | Collects all the configured SLA iterator profiles. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="4">
    <OAMDesign>
      <SLAIteratorProfile key="229376"

uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/229376"

href="/api/space/nsas/cfm-profiles/service-management/service-definitions/229376">

    <Common>
      <Name>fdgfd</Name>
    
```

```

    <Identity>229376</Identity>
    <State>Unpublished</State>
    <CreatedDate>2013-04-18T18:18:37.000+05:30</CreatedDate>
    <LastUpdatedDate>2013-04-18T18:18:37.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
</SLAIteratorProfile>
<SLAIteratorProfile key="98304"

uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/98304"

href="/api/space/nsas/cfm-profiles/service-management/service-definitions/98304">

  <Common>
    <Name>StdDef-Loss</Name>
    <Identity>98304</Identity>
    <State>Published</State>
    <Comments>Predefined CFM SLA loss measurment</Comments>
    <CreatedDate>2013-04-11T15:43:19.000+05:30</CreatedDate>
    <LastUpdatedDate>2013-04-11T15:43:19.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
</SLAIteratorProfile>
<SLAIteratorProfile key="98311"

uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/98311"

href="/api/space/nsas/cfm-profiles/service-management/service-definitions/98311">

  <Common>
    <Name>StdDef-SFL</Name>
    <Identity>98311</Identity>
    <State>Published</State>
    <Comments>Predefined CFM SLA Statistical-frame-loss measurment
  </Comments>
    <CreatedDate>2013-04-11T15:43:19.000+05:30</CreatedDate>
    <LastUpdatedDate>2013-04-11T15:43:19.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
</SLAIteratorProfile>

```

```
<SLAIteratorProfile key="98318"

uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/98318"

href="/api/space/nsas/cfm-profiles/service-management/service-definitions/98318">

  <Common>
    <Name>StdDef-TwoWayDelay</Name>
    <Identity>98318</Identity>
    <State>Published</State>
    <Comments>Predefined CFM SLA two-way delay measurment</Comments>
    <CreateDate>2013-04-11T15:43:19.000+05:30</CreateDate>
    <LastUpdatedDate>2013-04-11T15:43:19.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
</SLAIteratorProfile>
</OAMDesign>
</ServiceResource>
</Data>
```

Get a CFM Service By Service ID

This request is used to retrieve the details of a particular CFM service, based on the service ID.

| | |
|-------------|---|
| URI | /api/space/nsas/cfm-actionprofiles/service-management/services/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service+xml |
| Produces | Collects the details of a specific CFM service. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service
      href="/api/space/nsas/cfm-profiles /service-management/services /564378"

      key="564378"
      uri="/api/space/nsas/ cfm-profiles /service-management/services /564378">

    <Common>
      <Name>token</Name>
      <Identity>564378</Identity>
      <State>token</State>
      <Comments>token</Comments>
      <CreatedDate>2001-12-31T12:00:00</CreatedDate>
      <LastUpdatedDate>2001-12-31T12:00:00</LastUpdatedDate>
      <CreatedBy>CreatedBy</CreatedBy>
    </Common>
    <ServiceType>ServiceType</ServiceType>
    <Action>Action</Action>
    <CCSettings>
      <HoldInterval Editable="true">HoldInterval</HoldInterval>
      <MessageInterval Editable="true">MessageInterval
      </MessageInterval>
      <LossThreshold Editable="true">LossThreshold</LossThreshold>
      <InterfaceStatus Editable="true">InterfaceStatus
      </InterfaceStatus>
      <PortStatusTLV Editable="true">PortStatusTLV</PortStatusTLV>
      <ProtectionOuiTLV Editable="true">ProtectionOuiTLV
      </ProtectionOuiTLV>
    </CCSettings>
    <CommonMEPSettings>
      <MEPId>MEPId</MEPId>
      <Direction Editable="true">Direction</Direction>
      <Priority Editable="true">Priority</Priority>
      <AcceptCCMesgFromRemoteMEP>true</AcceptCCMesgFromRemoteMEP>
    </CommonMEPSettings>
    <MEPSettings>
      <OAMServiceEnpointGroup>
        <DeviceInfo>
          <OAM

```

```
href="/api/space/nsas/prestage-oam-device/manage-devices/devices/131199"
uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/131199"
```

```
key="131199">
  <DeviceName>DeviceName</DeviceName>
  <DeviceID>131199</DeviceID>
</OAM>
</DeviceInfo>
<ServiceEndpoint>
  <InterfaceName>InterfaceName</InterfaceName>
  <MEPId>0</MEPId>
  <AutoPickMEPId>true</AutoPickMEPId>
  <RemoteDevice>
    <DeviceInfo>
      <OAM
```

```
href="/api/space/nsas/prestage-oam-device/manage-devices/devices/131198"
```

```
uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/131198"
```

```
key="131198">
  <DeviceName>DeviceName</DeviceName>
  <DeviceID>131198</DeviceID>
  </OAM>
</DeviceInfo>
<IteratorProfileSettings>
  <ActionProfile>ActionProfile</ActionProfile>
  <SLAProfileDetails>
    <SLAProfile>SLAProfile</SLAProfile>
    <DataTlvSize>0</DataTlvSize>
    <IterationCount>0</IterationCount>
    <Priority>0</Priority>
    <MeasurementType>MeasurementType</MeasurementType>
  </SLAProfileDetails>
</IteratorProfileSettings>
</RemoteDevice>
</ServiceEndpoint>
</OAMServiceEndpointGroup>
</MEPSettings>
```

```
<ServiceParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="CFMConfigParameterServiceType">
  <DomainLevel>0</DomainLevel>
```

```

        </ServiceParameter>
        <Reference>
        <ServiceOrder
href="/api/space/nsas/cfm-profiles/service-management/service-orders/164799"

        key="164799"

uri="/api/space/nsas/cfm-profiles/service-management/service-orders/164799"
/>
        <ServiceDefinition>
        <ServiceDefinitionID
href="/api/space/nsas/cfm-profiles/service-management/service-definitions/169899"

        key="169899"

uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/169899"
/>
        </ServiceDefinition>
        </Reference>
        </Service>
        </ServiceResource>

</Data>

```

Get All CFM Services

This request is used to retrieve all the configured CFM services.

| | |
|-------------|---|
| URI | /api/space/nsas/cfm-actionprofiles/service-management/services/ |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management-services+xml |
| Produces | Collects all the configured CFM services. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="2">
    <Service
      href="/api/space/nsas/cfm-profiles/service-management/services/212343"
      uri="/api/space/nsas/cfm-profiles/service-management/services/212343"
      key="212343">
        <Common>
          <Name>sample1</Name>
          <Identity>212343</Identity>
          <State></State>
          <Comments>test</Comments>
          <CreatedDate>2001-12-31T12:00:00</CreatedDate>
          <LastUpdatedDate>2001-12-31T12:00:00</LastUpdatedDate>
          <CreatedBy></CreatedBy>
        </Common>
        <ServiceType>CFM</ServiceType>
        <Action>Action</Action>
        <Reference>
          <ServiceOrder
            href="/api/space/nsas/cfm-profiles/service-management/service-orders/164898"
              key="164898"
            uri="/api/space/nsas/cfm-profiles/service-management/service-orders/164898"
            />
          <ServiceDefinition>
            <ServiceDefinitionID
              href="/api/space/nsas/cfm-profiles/service-management/service-definitions/174899"
                key="174899"
              uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/174899"
              />
            </ServiceDefinition>
          </Reference>
        </Service>
      </Service>
```

```

href="/api/space/nsas/cfm-profiles /service-management/services/212344"
key="212344"
uri="/api/space/nsas/ cfm-profiles /service-management/services/212344">

<Common>
  <Name>sample2</Name>
  <Identity>212344</Identity>
  <State></State>
  <Comments>test</Comments>
  <CreatedDate>2001-12-31T12:00:00</CreatedDate>
  <LastUpdatedDate>2001-12-31T12:00:00</LastUpdatedDate>
  <CreatedBy></CreatedBy>
</Common>
<ServiceType>ServiceType</ServiceType>
<Action>Action</Action>
<Reference>
  <ServiceOrder

href="/api/space/nsas/cfm-profiles/service-management/service-orders/164899"

  key="164899"

uri="/api/space/nsas/cfm-profiles/service-management/service-orders/164899"
/>

  <ServiceDefinition>
    <ServiceDefinitionID

href="/api/space/nsas/cfm-profiles/service-management/service-definitions/165899"

    key="165899"

uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/165899"
/>
  </ServiceDefinition>
</Reference>
</Service>
</ServiceResource>
</Data>

```

Adds Local Devices to a CFM Profile

This request is used to add local devices to a CFM profile.

| | |
|--------------|---|
| URI | api/space/nsas/cfm-profiles/service-management/services/<serviceId>/add-devices |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.modify-service+xml |
| Consumes | application/vnd.net.juniper.space.service-management.modify-service+xml |
| Produces | Adds local devices to CFM profiles. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>

      </Common>
      <ServiceType>CFM</ServiceType>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <OAM
            href="/api/space/nsas/prestage-oam-device/manage-devices/devices/131313"

            uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/131313"

            key="131313">
              <DeviceName>jaipur</DeviceName>
              <DeviceID>131313</DeviceID>
            </OAM>
          </DeviceInfo>
```

```

    <ServiceEndPoint>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <OAM
        href="/api/space/nsas/prestage-oam-device/manage-devices/devices/131422"

        uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/131422"

        key="131422">
          <DeviceName>junos-spacel</DeviceName>
          <DeviceID>131422</DeviceID>
        </OAM>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-0/1/2</InterfaceName>
        <MEPID>50</MEPID>
      </ServiceEndPoint>
    </ServiceEndPointGroup>
  </ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="ServiceOrderCustomActionType">
  <Action>DeployNow</Action>
</CustomAction>
</Data>

```

Output

Sample XML Output

```

<Data>
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>2818205</Value>
    </Identity>

```

```
<Identity>
  <Type>ServiceOrder</Type>
  <Value>2818348</Value>
</Identity>
<Job>
  <ID>597830</ID>
  <Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>
  The Service Modified Successfully and Deployment is in Progress. Please
  check the status using the JOB ID.
</Message>
</Status>
</Data>
```

Adds Remote Devices to a CFM Profile

This request is used to add remote devices to a CFM profile.

| | |
|--------------|---|
| URI | api/space/nsas/cfm-profiles/service-management/ services/<serviceld>/add-devices |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management. modify-service+xml |
| Consumes | application/vnd.net.juniper.space.service-management. modify-service+xml |
| Produces | Adds remote devices to CFM profiles. |

Input

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>

      </Common>
      <ServiceType>CFM</ServiceType>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <OAM
            href="/api/space/nsas/prestage-oam-device/manage-devices/devices/131313"

            uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/131313"

            key="131313">
              <DeviceName>jaipur</DeviceName>
              <DeviceID>131313</DeviceID>
            </OAM>
          </DeviceInfo>
          <ServiceEndPoint>
            <RemoteDevice>
              <DeviceInfo>
                <OAM
                  href="/api/space/nsas/prestage-oam-device/manage-devices/devices/131422"
                  uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/131422"

                  key="131422">
                    <DeviceName>junos-spacel</DeviceName>
                    <DeviceID>131422</DeviceID>
                  </OAM>
                </DeviceInfo>
              </RemoteDevice>
            </ServiceEndPoint>
          </ServiceEndPointGroup>
          <ServiceEndPointGroup>
            <DeviceInfo>
              <OAM
                href="/api/space/nsas/prestage-oam-device/manage-devices/devices/131422"

```

```

uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/131422"

key="131422">
  <DeviceName>junos-spacel</DeviceName>
  <DeviceID>131422</DeviceID>
</OAM>
</DeviceInfo>
<ServiceEndPoint>
  <RemoteDevice>
    <DeviceInfo>
      <OAM

href="/api/space/nsas/prestage-oam-device/manage-devices/devices/131313"
uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/131313"

key="131313">
  <DeviceName>jaipur</DeviceName>
  <DeviceID>131313</DeviceID>
</OAM>
</DeviceInfo>
<IteratorProfileSettings>
  <ActionProfile>ActionProfile</ActionProfile>
  <SLAPProfileDetails>
    <SLAPProfile>SLAPProfile</SLAPProfile>
    <DataTlvSize>0</DataTlvSize>
    <IterationCount>0</IterationCount>
    <Priority>0</Priority>
    <MeasurementType>MeasurementType</MeasurementType>
  </SLAPProfileDetails>
</IteratorProfileSettings>
</RemoteDevice>
</ServiceEndPoint>
</ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="ServiceOrderCustomActionType">
  <Action>DeployNow</Action>
</CustomAction>
</Data>

```

Output

Sample XML Output

```
<Data>
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>2818205</Value>
    </Identity>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>2818348</Value>
    </Identity>
    <Job>
      <ID>597830</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>
      The Service Modified Successfully and Deployment is in Progress. Please
      check the status using the JOB ID.
    </Message>
  </Status>
</Data>
```

Deletes Local Devices from a CFM Profile

This request is used to delete local devices from a CFM profile.

| | |
|--------------|--|
| URI | api/space/nsas/cfm-profiles/service-management/services/<serviceld>/delete-devices |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.modify-service+xml |
| Consumes | application/vnd.net.juniper.space.service-management.modify-service+xml |
| Produces | Deletes local devices from CFM profiles. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>

      </Common>
      <ServiceType>CFM</ServiceType>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <OAM
            href="/api/space/nsas/prestage-oam-device/manage-devices/devices/131313"

            uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/131313"

            key="131313">
              <DeviceName>jaipur</DeviceName>
              <DeviceID>131313</DeviceID>
            </OAM>
          </DeviceInfo>
          <ServiceEndPoint>

            <InterfaceName>ge-0/0/2</InterfaceName>
            <MEPID>53</MEPID>

          </ServiceEndPoint>
        </ServiceEndPointGroup>

        <ServiceEndPointGroup>

        <DeviceInfo>
          <OAM
            href="/api/space/nsas/prestage-oam-device/manage-devices/devices/131422"

            uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/131422"

            key="131422">
              <DeviceName>junos-space1</DeviceName>
              <DeviceID>131422</DeviceID>
            </OAM>
```

```

        </DeviceInfo>
        <ServiceEndPoint>
        </ServiceEndPoint>
    </ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
    <CustomAction
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="ServiceOrderCustomActionType">
        <Action>DeployNow</Action>
    </CustomAction>

</Data>

```

Output

Sample XML Output

```

<Data>
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>2818205</Value>
    </Identity>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>2818348</Value>
    </Identity>
    <Job>
      <ID>597830</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>
      The Service Modified Successfully and Deployment is in Progress. Please
      check the status using the JOB ID.
    </Message>
  </Status>
</Data>

```

Deletes Remote Devices from a CFM Profile

This request is used to delete remote devices from a CFM profile.

| | |
|--------------|--|
| URI | api/space/nsas/cfm-profiles/service-management/services/<serviceId>/delete-devices |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.modify-service+xml |
| Consumes | application/vnd.net.juniper.space.service-management.modify-service+xml |
| Produces | Deletes remote devices from CFM profiles. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>

      </Common>
      <ServiceType>CFM</ServiceType>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <OAM
            href="/api/space/nsas/prestage-oam-device/manage-devices/devices/131313"
```

```

uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/131313"

key="131313">
  <DeviceName>jaipur</DeviceName>
  <DeviceID>131313</DeviceID>
</OAM>
</DeviceInfo>
<ServiceEndPoint>
  <RemoteDevice>
    <DeviceInfo>
      <OAM
href="/api/space/nsas/prestage-oam-device/manage-devices/devices/131422"
uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/131422"

key="131422">
  <DeviceName>junos-spacel</DeviceName>
  <DeviceID>131422</DeviceID>
  </OAM>
  </DeviceInfo>
  </RemoteDevice>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <OAM
href="/api/space/nsas/prestage-oam-device/manage-devices/devices/131422"

uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/131422"

key="131422">
  <DeviceName>junos-spacel</DeviceName>
  <DeviceID>131422</DeviceID>
  </OAM>
  </DeviceInfo>
  <ServiceEndPoint>
    <RemoteDevice>
      <DeviceInfo>
        <OAM
href="/api/space/nsas/prestage-oam-device/manage-devices/devices/131313"

```

```

uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/131313"

key="131313">
  <DeviceName>jaipur</DeviceName>
  <DeviceID>131313</DeviceID>
</OAM>
</DeviceInfo>
</RemoteDevice>
</ServiceEndPoint>
</ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="ServiceOrderCustomActionType">
  <Action>DeployNow</Action>
</CustomAction>
</Data>

```

Output

Sample XML Output

```

<Data>
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>2818205</Value>
    </Identity>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>2818348</Value>
    </Identity>
  </Status>
  <Job>
    <ID>597830</ID>
    <Status>INPROGRESS</Status>
  </Job>

```

```
<Code>200</Code>
<Message>
  The Service Modified Successfully and Deployment is in Progress. Please
  check the status using the JOB ID.
</Message>
</Status>
</Data>
```

Decommission a CFM Service

This request is used to decommission a previously created CFM service.

| | |
|--------------|--|
| URI | api/space/cfm-profiles/service-management/ services/{serviceId} |
| HTTP Method | DELETE |
| Content-Type | application/vnd.net.juniper.space.service-management. service+xml |
| Produces | Decommissions a previously created CFM service. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Identity>
    <Type>Service</Type>
    <Value>994691</Value>
  </Identity>
  <CustomAction xsi:type="ServiceCustomActionType">
    <Action>DecommissionNow</Action>
    <ScheduledDateTime></ScheduledDateTime>
```

```
</CustomAction>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>1048665</Value>
    </Identity>
    <Code>200</Code>
    <Message>Service Decommission was Successfully triggered. Please check
      the status using the JOB ID.</Message>
  </Status>
</Data>
```

Run a Functional Audit of a CFM Service

This request is run a functional audit of a CFM service.

| | |
|--------------|--|
| URI | api/space/cfm-profiles/service-management/ services/<service-id> |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.service+xml The options for AuditNow and AuditLater can be provided in the Action element within the ?OperationSpecificData?. |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml |

Produces

Performs a functional audit of a CFM service.

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="FunctionalAuditCustomActionType">
    <Action>AuditNow</Action>
  </CustomAction>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>123</Value>
    </Identity>
    <Job>
      <ID>688253</ID>
      <Status>INPROGRESS</Status>
      <AssociatedJob>
        <ID>688254</ID>
        <Status>INPROGRESS</Status>
        <Code>200</Code>
        <Message>The Monitoring Audit was Successfully triggered. Please
          check the status using the JOB ID.</Message>
      </AssociatedJob>
    </Job>
    <Code>200</Code>
    <Message>The Functional Audit was Successfully triggered. Please check
      the status using the JOB ID.</Message>
  </Status>
</Data>
```

```
</Status>
</Data>
```

Run a Configuration Audit of a CFM Service

This request is run a configuration audit of a CFM service.

| | |
|--------------|---|
| URI | api/space/cfm-profiles/service-management/services/<service-id> |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.service+xml The options for AuditNow and AuditLater can be provided in the Action element within the ?OperationSpecificData?. |
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml |
| Produces | Performs a configuration audit of a CFM service. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="ConfigAuditCustomActionType">
    <Action>AuditNow</Action>
    <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
  </CustomAction>
</Data>
```

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>262378</Value>
    </Identity>
    <Job>
      <ID>1998913</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Configurational Audit was Successfully triggered.Please
      check the status using the JOB ID.</Message>
  </Status>
</Data>
```

View the Configuration Audit Results of a CFM Service (Version 1)

This request is display the configuration audit results of a CFM service in version 1 format.

| | |
|-------------|--|
| URI | api/space/cfm-profiles/service-management /services/view-configuration-audit/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. config-audit+xml |
| Produces | Displays the configuration audit results of a CFM service. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<AuditResults>
  <ConfigurationAuditResult>
    <ConfigDeviceEnd>
      <DeviceName>embassy</DeviceName>
      <DeviceStatus>Up</DeviceStatus>
      <Details>Successfully Config Audited
    </Details>
    </ConfigDeviceEnd>
    <ConfigDeviceEnd>
      <DeviceName>exora</DeviceName>
      <DeviceStatus>Up</DeviceStatus>
      <Details>Successfully Config Audited
    </Details>
    </ConfigDeviceEnd>
  </ConfigurationAuditResult>
</AuditResults>
</Data>
```

View the Configuration Audit Results of a CFM Service (Version 2)

This request is display the configuration audit results of a CFM service in version 2 format.

| | |
|-------------|--|
| URI | api/space/cfm-profiles/service-management /services/view-configuration-audit/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. config-audit+xml |
| Produces | Displays the configuration audit results of a CFM service. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<AuditResults>
  <ConfigurationAuditResult>
    <ConfigurationAuditStatus>Down</ConfigurationAuditStatus>
      <ConfigurationAuditTimestamp>2016-02-05
17:32:03.0</ConfigurationAuditTimestamp>
        <ConfigDeviceEnd>
          <DeviceName>embassy</DeviceName>
          <DeviceStatus>Up</DeviceStatus>
          <Details>Successfully Config Audited
        </Details>
        </ConfigDeviceEnd>
      <ConfigDeviceEnd>
        <DeviceName>exora</DeviceName>
        <DeviceStatus>Up</DeviceStatus>
        <Details>Successfully Config Audited
      </Details>
      </ConfigDeviceEnd>
    </ConfigurationAuditResult>
  </AuditResults>
</Data>
```

View the Functional Audit Results of a CFM Service

This request is display the functional audit results of a CFM service.

| | |
|-------------|---|
| URI | api/space/cfm-profiles/service-management/ services/view-functional-audit/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service- management.functional-audit+xml |
| Produces | Displays the functional audit results of a CFM service. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <AuditResults>
    <FunctionalAuditResult>
      <Common>
        <Name>testttttt</Name>
        <Identity>1185</Identity>
        <State>Deployed</State>
      </Common>
      <ServiceType>CFM</ServiceType>
      <OperationState>Down</OperationState>
      <ServiceDefinitionName>StdDef-CFMPort</ServiceDefinitionName>
      <NoOfUNIs>2</NoOfUNIs>
      <UpUNIs>0</UpUNIs>
      <DownUNIs>2</DownUNIs>
      <DeviceEnd>
        <DeviceName>ge-0/0/7 kochin</DeviceName>
        <Topology>N/A</Topology>
        <OperationState>Down</OperationState>
        <RemoteEnd>
          <ControlPlaneParams>
            <ControlPanelCommand>
              <Command>get-cfm-mep-database</Command>
              <RemoteEndpoint>ge-0/1/2 exora</RemoteEndpoint>
              <Result>Status: probably configuration missing on device
            </Result>
            </ControlPanelCommand>
          </ControlPlaneParams>
        </RemoteEnd>
      </DeviceEnd>
      <DeviceEnd>
        <DeviceName>ge-0/1/2 exora</DeviceName>
        <Topology>N/A</Topology>
        <OperationState>Down</OperationState>
        <RemoteEnd>
          <ControlPlaneParams>
            <ControlPanelCommand>
              <Command>get-cfm-mep-database</Command>
              <RemoteEndpoint>ge-0/0/7 kochin</RemoteEndpoint>
              <Result>Status: probably configuration missing on device
            </Result>

```

```

        </ControlPanelCommand>
    </ControlPlaneParams>
</RemoteEnd>
</DeviceEnd>
<TroubleshootResult

href="/api/space/nsas/cfm-profiles/service-management/services/view-troubleshoot-results/1185"

uri="/api/space/nsas/cfm-profiles/service-management/services/view-troubleshoot-results/1185"
/>
    </FunctionalAuditResult>
</AuditResults>
</Data>

```

View the Service Configuration Change Results of a CFM Service

This request is display the service configuration changes of a CFM service.

| | |
|-------------|--|
| URI | api/space/cfm-profiles/service-management/ services/view-serviceconfiguration-change/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service- management.config-change+xml |
| Produces | Displays the service configuration change results of a CFM service. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">

```

```

<AuditResults>
  <ServiceConfigurationChangeResult>
    <ServiceConfigDeviceEnd>
      <DeviceName>jaipur</DeviceName>
      <Configuration>
        <configuration>
          <protocols>
            <oam>
              <ethernet>
                <connectivity-fault-management>
                  <maintenance-domain>
                    <name>fdsfdsfs</name>
                    <maintenance-association>
                      <name>tesdfdsfdsfsg</name>
                      <continuity-check>
                        <hold-interval>1</hold-interval>
                        <interval>1s</interval>
                        <loss-threshold>3</loss-threshold>
                      </continuity-check>
                      <mep>
                        <name>1</name>
                        <direction>down</direction>
                        <interface>
                          <interface-name>ge-0/1/2</interface-name>
                        </interface>
                        <lowest-priority-defect>all-defects</lowest-priority-defect>
                      </mep>
                    </maintenance-association>
                    <level>1</level>
                  </maintenance-domain>
                </connectivity-fault-management>
              </ethernet>
            </oam>
          </protocols>
        </configuration></Configuration>
      <TempConfiguration>
        <configuration>
          <protocols>
            <oam>
              <ethernet>
                <connectivity-fault-management>
                  <maintenance-domain>

```

```

    <name>fdsfdsfs</name>
    <maintenance-association>
    <name>tesdfdsfdsfsg</name>
    <continuity-check>
    <hold-interval>1</hold-interval>
    <interval>1s</interval>
    <loss-threshold>3</loss-threshold>
    </continuity-check>
    <mep>
    <name>1</name>
    <direction>down</direction>
    <interface>
    <interface-name>ge-0/1/2</interface-name>
    </interface>
    <lowest-priority-defect>all-defects</lowest-priority-defect>
    </mep>
    </maintenance-association>
    <level>1</level>
    </maintenance-domain>
    </connectivity-fault-management>
    </ethernet>
    </oam>
    </protocols>
    </configuration></TempConfiguration>
</ServiceConfigDeviceEnd>
<ServiceConfigDeviceEnd>
    <DeviceName>embassy</DeviceName>
    <Configuration>
    <configuration>
    <protocols>
    <oam>
    <ethernet>
    <connectivity-fault-management>
    <maintenance-domain>
    <name>fdsfdsfs</name>
    <maintenance-association>
    <name>tesdfdsfdsfsg</name>
    <continuity-check>
    <hold-interval>1</hold-interval>
    <interval>1s</interval>
    <loss-threshold>3</loss-threshold>
    </continuity-check>

```

```

<mep>
<name>3</name>
<direction>down</direction>
<interface>
<interface-name>ge-1/0/1</interface-name>
</interface>
<lowest-priority-defect>all-defects</lowest-priority-defect>
</mep>
</maintenance-association>
<level>1</level>
</maintenance-domain>
</connectivity-fault-management>
</ethernet>
</oam>
</protocols>
</configuration></Configuration>
<TempConfiguration>
<configuration>
<protocols>
<oam>
<ethernet>
<connectivity-fault-management>
<maintenance-domain>
<name>fdsfdsfs</name>
<maintenance-association>
<name>tesdfdsfsg</name>
<continuity-check>
<hold-interval>1</hold-interval>
<interval>1s</interval>
<loss-threshold>3</loss-threshold>
</continuity-check>
<mep>
<name>3</name>
<direction>down</direction>
<interface>
<interface-name>ge-1/0/1</interface-name>
</interface>
<lowest-priority-defect>all-defects</lowest-priority-defect>
</mep>
</maintenance-association>
<level>1</level>
</maintenance-domain>

```

```

    </connectivity-fault-management>
  </ethernet>
</oam>
</protocols>
</configuration></TempConfiguration>
</ServiceConfigDeviceEnd>
</ServiceConfigurationChangeResult>
</AuditResults>
</Data>

```

View the Monitoring and Troubleshooting Results of a CFM Service

This request is display the results of troubleshooting and monitoring operations of a CFM service.

| | |
|-------------|---|
| URI | api/space/cfm-profiles/service-management/ services/view-troubleshoot-results/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service- management.troubleshoot-results+xml |
| Produces | Displays the troubleshooting results of a CFM service. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <AuditResults>
    <TroubleshootResult>
      <DeviceEnd>
        <DeviceName>kochin</DeviceName>
      </DeviceEnd>
    </TroubleshootResult>
  </AuditResults>
</Data>

```

```

        <CommandResult>
        <Protocol>
        <UNI>
        <CommandDetails>
        <Command>show interfaces ge-0/0/7 terse</Command>
        <Results>
<Row>
                                <Parameter>
                                <Name>Interface</Name>
                                <Value>ge-0/0/7</Value>
                                </Parameter>
        <Parameter>
                                <Name>Link</Name>
                                <Value>up</Value>
                                </Parameter>
        <Parameter>
                                <Name>CommandStatus</Name>
<Value>true</Value>
        </Parameter>
        <Parameter>
<Name>Admin</Name>
<Value>up</Value>
        </Parameter>
        </Row>
        <Row>
<Parameter>
        <Name>Interface</Name>
        <Value>ge-0/0/7.1 </Value>
</Parameter>
<Parameter>
        <Name>Link</Name>
        <Value>up</Value>
</Parameter>
<Parameter>
        <Name>CommandStatus</Name>
        <Value>true</Value>
</Parameter>
<Parameter>
        <Name>Admin</Name>
        <Value>up</Value>
</Parameter>
        </Row>

```

```

        <Row>
        <Parameter>
        <Name>Interface</Name>
        <Value>ge-0/0/7.32767</Value>
        </Parameter>
        <Parameter>
        <Name>Link</Name>
        <Value>up</Value>
        </Parameter>
        <Parameter>
        <Name>CommandStatus</Name>
        <Value>true</Value>
        </Parameter>
        <Parameter>
        <Name>Admin</Name>
        <Value>up</Value>
        </Parameter>
        </Row>
    </Results>
    </CommandDetails>
</UNI>
<OAM>
    <CommandDetails>
    <Command>show oam ethernet connectivity-fault-management interfaces
ge-0/0/7</Command>
    <Results>
    <Row>
        <Parameter>
        <Name>Interface</Name>
        <Value>ge-0/0/7 </Value>
        </Parameter>
        <Parameter>
        <Name>Status</Name>
        <Value>Active</Value>
        </Parameter>
        <Parameter>
        <Name>Link</Name>
        <Value>Up</Value>
        </Parameter>
        <Parameter>
        <Name>Neighbours</Name>
        <Value>0</Value>

```

```

        </Parameter>
        <Parameter>
          <Name>Level</Name>
          <Value>7</Value>
        </Parameter>
        <Parameter>
          <Name>MEP Id</Name>
          <Value>1</Value>
        </Parameter>
        <Parameter>
          <Name>CommandStatus</Name>
          <Value>>false</Value>
        </Parameter>
      </Row>
    </Results>
  </CommandDetails>
  </OAM>
</Protocol>
  </CommandResult>
</DeviceEnd>
<DeviceEnd>
<DeviceName>exora</DeviceName>
  <CommandResult>
    <Protocol>
      <UNI>
        <CommandDetails>
          <Command>show interfaces ge-0/0/7 terse</Command>
          <Results>
            <Row>
              <Parameter>
                <Name>Interface</Name>
                <Value>ge-0/0/7</Value>
              </Parameter>
              <Parameter>
                <Name>Link</Name>
                <Value>up</Value>
              </Parameter>
              <Parameter>
                <Name>CommandStatus</Name>
                <Value>true</Value>
              </Parameter>
              <Parameter>

```

```

    <Name>Admin</Name>
    <Value>up</Value>
  </Parameter>
</Row>
<Row>
  <Parameter>
    <Name>Interface</Name>
    <Value>ge-0/0/7.1 </Value>
  </Parameter>
  <Parameter>
    <Name>Link</Name>
    <Value>up</Value>
  </Parameter>
  <Parameter>
    <Name>CommandStatus</Name>
    <Value>true</Value>
  </Parameter>
  <Parameter>
    <Name>Admin</Name>
    <Value>up</Value>
  </Parameter>
</Row>
<Row>
  <Parameter>
    <Name>Interface</Name>
    <Value>ge-0/0/7.32767</Value>
  </Parameter>
  <Parameter>
    <Name>Link</Name>
    <Value>up</Value>
  </Parameter>
  <Parameter>
    <Name>CommandStatus</Name>
    <Value>true</Value>
  </Parameter>
  <Parameter>
    <Name>Admin</Name>
    <Value>up</Value>
  </Parameter>
</Row>
</Results>
</CommandDetails>

```

```

        </UNI>
    <OAM>
        <CommandDetails>
            <Command>show oam ethernet connectivity-fault-management interfaces
ge-0/0/7</Command>
        <Results>
            <Row>
                <Parameter>
                    <Name>Interface</Name>
                    <Value>ge-0/0/7 </Value>
                </Parameter>
                <Parameter>
                    <Name>Status</Name>
                    <Value>Active</Value>
                </Parameter>
                <Parameter>
                    <Name>Link</Name>
                    <Value>Up</Value>
                </Parameter>
                <Parameter>
                    <Name>Neighbours</Name>
                    <Value>0</Value>
                </Parameter>
                <Parameter>
                    <Name>Level</Name>
                    <Value>7</Value>
                </Parameter>
                <Parameter>
                    <Name>MEP Id</Name>
                    <Value>1</Value>
                </Parameter>
                <Parameter>
                    <Name>CommandStatus</Name>
                    <Value>>false</Value>
                </Parameter>
            </Row>
        </Results>
    </CommandDetails>
</OAM>
</Protocol>
</CommandResult>
    </DeviceEnd>

```

```
        </TroubleshootResult>
    </AuditResults>
</Data>
```

Get a CFM Profile By Service Definition ID

This request is used to retrieve the details of a particular CFM profile, based on the service definition ID.

| | |
|-------------|---|
| URI | /api/space/nsas/cfm-profiles/service-management/ service-definitions/<serdef-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service- management.service-definition+xml |
| Produces | Collects the details of a specific CFM profile. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <OAMDesign>
      <OAMProfile

href="/api/space/nsas/cfm-profiles/service-management/service-definitions/1410158"

uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/1410158"

      key="1410158">
        <Common>
          <Name>REM-MEP</Name>
          <Identity>1410158</Identity>
```

```

    <State>Unpublished</State>
    <CreatedDate>2013-05-22T14:51:54.000+05:30</CreatedDate>
    <LastUpdatedDate>2013-05-22T14:51:54.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <CFMDomain>
    <DomainName>REM</DomainName>
    <DomainLevel>1</DomainLevel>
    <RemoteMEP>true</RemoteMEP>
    <DefinitionType>MEP</DefinitionType>
  </CFMDomain>
  <CCSettings>
    <HoldInterval Editable="false">1</HoldInterval>
    <MessageInterval Editable="false">1s</MessageInterval>
    <LossThreshold Editable="false">3</LossThreshold>
    <InterfaceStatus Editable="false">>false</InterfaceStatus>
    <PortStatusTLV Editable="false">>false</PortStatusTLV>
    <ProtectionOuiTLV Editable="false">>false</ProtectionOuiTLV>
  </CCSettings>
  <MEPSettings>
    <MEPId>Select manually</MEPId>
    <Direction Editable="false">Down</Direction>
    <Priority Editable="false">0</Priority>
    <AcceptCCMesgFromRemoteMEP>true</AcceptCCMesgFromRemoteMEP>
  </MEPSettings>
  <RemoteMEPSettings>
    <IteratorProfileSettings>
      <ActionProfile

href="/api/space/nsas/cfm-actionprofiles/service-management/service-definitions/1081344"

uri="/api/space/nsas/cfm-actionprofiles/service-management/service-definitions/1081344"

    key="1081344" />
    <SLAProfileDetails>
      <SLAProfile

href="/api/space/nsas/cfm-profiles/service-management/service-definitions/196608"

uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/196608"

```

```

        key="196608" />
        <DataTlvSize>6</DataTlvSize>
        <IterationCount>6</IterationCount>
        <Priority>6</Priority>
    </SLAProfileDetails>
    <SLAProfileDetails>
    <SLAProfile

```

href="/api/space/nsas/cfm-profiles/service-management/service-definitions/1048642"

uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/1048642"

```

        key="1048642" />
        <DataTlvSize>3</DataTlvSize>
        <IterationCount>3</IterationCount>
        <Priority>3</Priority>
    </SLAProfileDetails>
    <SLAProfileDetails>
    <SLAProfile

```

href="/api/space/nsas/cfm-profiles/service-management/service-definitions/1048605"

uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/1048605"

```

        key="1048605" />
        <DataTlvSize>1</DataTlvSize>
        <IterationCount>1</IterationCount>
        <Priority>1</Priority>
    </SLAProfileDetails>
    </IteratorProfileSettings>
    </RemoteMEPSSettings>
    </OAMProfile>
    </OAMDesign>
    </ServiceResource>
</Data>

```

Get All CFM Profiles

This request is used to retrieve all the configured CFM profiles.

| | |
|-------------|--|
| URI | /api/space/nsas/cfm-profiles/service-management/service-definitions/ |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-definitions+xml |
| Produces | Collects all the configured CFM profiles. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="3">
    <OAMDesign>
      <OAMProfile

href="/api/space/nsas/cfm-profiles/service-management/service-definitions/1"

uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/1"

key="1">
  <Common>
    <Name>StdDef-CFMPort</Name>
    <Identity>1</Identity>
    <State>Published</State>
    <Comments>Predefined definition for CFM session on physical
      interfaces</Comments>
    <CreatedDate>2013-05-21T11:03:39.000Z</CreatedDate>
    <LastUpdatedDate>2013-05-21T11:03:39.000Z</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <Type>CFM</Type>
  <CFMDomain>
```

```

    <DomainName>Default-Domain</DomainName>
    <DomainLevel>7</DomainLevel>
    <RemoteMEP>false</RemoteMEP>
    <DefinitionType>MEP</DefinitionType>
  </CFMDomain>
</OAMProfile>
<OAMProfile

href="/api/space/nsas/cfm-profiles/service-management/service-definitions/17"

uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/17"

key="17">
<Common>
  <Name>StdDef-CFMSERVICE</Name>
  <Identity>17</Identity>
  <State>Published</State>
  <Comments>Predefined definition for CFM session on Ethernet
    services</Comments>
  <CreatedDate>2013-05-21T11:03:39.000Z</CreatedDate>
  <LastUpdatedDate>2013-05-21T11:03:39.000Z</LastUpdatedDate>
  <CreatedBy>super</CreatedBy>
</Common>
<Type>CFM</Type>
<CFMDomain>
  <DomainName>Default-Domain</DomainName>
  <DomainLevel>1</DomainLevel>
  <RemoteMEP>false</RemoteMEP>
  <DefinitionType>MEP</DefinitionType>
</CFMDomain>
</OAMProfile>
<OAMProfile

href="/api/space/nsas/cfm-profiles/service-management/service-definitions/197289"

uri="/api/space/nsas/cfm-profiles/service-management/service-definitions/197289"

key="197289">
<Common>
  <Name>Test-REM</Name>

```

```
<Identity>197289</Identity>
<State>Published</State>
<CreateDate>2013-05-21T12:49:07.000Z</CreateDate>
<LastUpdatedDate>2013-05-21T12:49:07.000Z</LastUpdatedDate>
<CreatedBy>super</CreatedBy>
</Common>
<Type>CFM</Type>
<CFMDomain>
  <DomainName>Test-REM</DomainName>
  <DomainLevel>1</DomainLevel>
  <RemoteMEP>false</RemoteMEP>
  <DefinitionType>MEP</DefinitionType>
</CFMDomain>
</OAMProfile>
</OAMDesign>
</ServiceResource>
</Data>
```

Delete an OAM Service Order

This request is used to delete an OAM service order.

| | |
|-------------|--|
| URI | api/space/nsas/cfm-profiles/service-management/ service-orders/<id> |
| HTTP Method | DELETE |
| Consumes | application/vnd.net.juniper.space.service- management.service-order+xml |
| Produces | Deletes an OAM service order. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>CFMServiceOrder</Type>
      <Value>6553600</Value>
    </Identity>
    <Code>200</Code>
    <Message>Service order Deleted Successfully.</Message>
  </Status>
</Data>
```

Create a CFM Profile

This request is used to create a CFM profile.

| | |
|--------------|---|
| URI | /api/space/nsas/cfm-profiles/service-management/ service-definitions/ |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management. service-definition+xml |
| Produces | Creates a CFM profile. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <OAMDesign>
      <OAMProfile>
        <Common>
          <Name>Test-CFM-API-Create-3</Name>
        </Common>
      </OAMProfile>
    </OAMDesign>
  </ServiceResource>
</Data>
```

```

<CFMDomain>
  <DomainName>Test-CFM-API-Create</DomainName>
  <DomainLevel>1</DomainLevel>
  <RemoteMEP>true</RemoteMEP>
  <DefinitionType>MEP</DefinitionType>
</CFMDomain>
<CCSettings>
  <HoldInterval Editable="false">1</HoldInterval>
  <MessageInterval Editable="false">1s</MessageInterval>
  <LossThreshold Editable="false">3</LossThreshold>
  <InterfaceStatus Editable="false">>false</InterfaceStatus>
  <PortStatusTLV Editable="false">>false</PortStatusTLV>
  <ProtectionOuiTLV Editable="false">>false
</ProtectionOuiTLV>
</CCSettings>
<MEPSettings>
  <MEPId>Select manually</MEPId>
  <Direction Editable="false">Down</Direction>
  <Priority Editable="false">0</Priority>
  <AcceptCCMesgFromRemoteMEP>true</AcceptCCMesgFromRemoteMEP>
</MEPSettings>
<RemoteMEPSettings>
  <IteratorProfileSettings>
    <ActionProfile key="196608" />
    <SLAProfileDetails>
      <SLAProfile key="98318" />
      <DataTlvSize>3</DataTlvSize>
      <IterationCount>3</IterationCount>
      <Priority>3</Priority>
    </SLAProfileDetails>
    <SLAProfileDetails>
      <SLAProfile key="98304" />
      <DataTlvSize>6</DataTlvSize>
      <IterationCount>6</IterationCount>
      <Priority>6</Priority>
    </SLAProfileDetails>
    <SLAProfileDetails>
      <SLAProfile key="229376" />
      <DataTlvSize>1</DataTlvSize>
      <IterationCount>1</IterationCount>
      <Priority>1</Priority>
    </SLAProfileDetails>
  </IteratorProfileSettings>
</RemoteMEPSettings>

```

```
        </IteratorProfileSettings>
    </RemoteMEPSettings>
</OAMProfile>
</OAMDesign>
</ServiceResource>
</Data>
```

Create a CFM Service Order

This request is used to create a CFM service order.

| | |
|--------------|--|
| URI | /api/space/nsas/cfm-profiles/service-management/ service-orders/ |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management. service-order+xml |
| Produces | Creates a CFM service order. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>API-SO-1</Name>

      </Common>
      <ServiceType>CFM</ServiceType>
      <Action>Provisioning</Action>
```

```

<CCSettings>
  <HoldInterval>1</HoldInterval>
  <MessageInterval>1s</MessageInterval>
  <LossThreshold>3</LossThreshold>
  <InterfaceStatus>>false</InterfaceStatus>
  <PortStatusTLV>>false</PortStatusTLV>
  <ProtectionOuiTLV>>false</ProtectionOuiTLV>
</CCSettings>
<CommonMEPSettings>
  <Direction>down</Direction>
  <Priority>0</Priority>
  <AcceptCCMesgFromRemoteMEP>>true</AcceptCCMesgFromRemoteMEP>
</CommonMEPSettings>
<ServiceEndPointGroup>
  <DeviceInfo>
    <OAM>
      <DeviceName>kochin</DeviceName>
      <DeviceID>164009</DeviceID>
    </OAM>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/0</InterfaceName>
    <MEPId>1</MEPId>
    <RemoteDevice>
      <DeviceInfo>
        <OAM>
          <DeviceName>jaipur</DeviceName>
          <DeviceID>163982</DeviceID>
        </OAM>
      </DeviceInfo>
      <IteratorProfileSettings>
        <ActionProfile key="196667" />
      </IteratorProfileSettings>
    </RemoteDevice>
    <RemoteDevice>
      <DeviceInfo>
        <OAM>
          <DeviceName>junos-m10-1-space</DeviceName>
          <DeviceID>165309</DeviceID>
        </OAM>
      </DeviceInfo>
      <IteratorProfileSettings>

```

```

        <ActionProfile key="196667" />
    </IteratorProfileSettings>
</RemoteDevice>
<RemoteDevice>
    <DeviceInfo>
        <OAM>
            <DeviceName>junos-m10-2-space</DeviceName>
            <DeviceID>165528</DeviceID>
        </OAM>
    </DeviceInfo>
    <IteratorProfileSettings>
        <ActionProfile key="196667" />
    </IteratorProfileSettings>
</RemoteDevice>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <OAM>
            <DeviceName>junos-m10-2-space</DeviceName>
            <DeviceID>165528</DeviceID>
        </OAM>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/0/1</InterfaceName>
        <MEPId>2</MEPId>
        <RemoteDevice>
            <DeviceInfo>
                <OAM>
                    <DeviceName>kochin</DeviceName>
                    <DeviceID>164009</DeviceID>
                </OAM>
            </DeviceInfo>
            <IteratorProfileSettings>
                <ActionProfile key="196667" />
                <SLAProfileDetails>
                    <SLAProfile key="98304" />
                    <DataTlvSize>1</DataTlvSize>
                    <IterationCount>1</IterationCount>
                    <Priority>1</Priority>
                </SLAProfileDetails>
            </IteratorProfileSettings>
        </RemoteDevice>
    </ServiceEndPoint>
</ServiceEndPointGroup>

```

```

    </RemoteDevice>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <OAM>
      <DeviceName>junos-m10-1-space</DeviceName>
      <DeviceID>165309</DeviceID>
    </OAM>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/0/1</InterfaceName>
    <MEPId>3</MEPId>
    <RemoteDevice>
      <DeviceInfo>
        <OAM>
          <DeviceName>jaipur</DeviceName>
          <DeviceID>163982</DeviceID>
        </OAM>
      </DeviceInfo>
      <IteratorProfileSettings>
        <ActionProfile key="65536" />
        <SLAProfileDetails>
          <SLAProfile key="98304" />
          <DataTlvSize>3</DataTlvSize>
          <IterationCount>3</IterationCount>
          <Priority>3</Priority>
        </SLAProfileDetails>
      </IteratorProfileSettings>
    </RemoteDevice>
  </RemoteDevice>
  <DeviceInfo>
    <OAM>
      <DeviceName>junos-m10-2-space</DeviceName>
      <DeviceID>165528</DeviceID>
    </OAM>
  </DeviceInfo>
  <IteratorProfileSettings>
    <ActionProfile key="65536" />
    <SLAProfileDetails>
      <SLAProfile key="98304" />
      <DataTlvSize>6</DataTlvSize>
    </SLAProfileDetails>
  </IteratorProfileSettings>
</ServiceEndPointGroup>

```

```

        <IterationCount>6</IterationCount>
        <Priority>6</Priority>
    </SLAProfileDetails>
</IteratorProfileSettings>
</RemoteDevice>
<RemoteDevice>
    <DeviceInfo>
        <OAM>
            <DeviceName>kochin</DeviceName>
            <DeviceID>164009</DeviceID>
        </OAM>
    </DeviceInfo>
    <IteratorProfileSettings>
        <ActionProfile key="65536" />
        <SLAProfileDetails>
            <SLAProfile key="98304" />
            <DataTlvSize>0</DataTlvSize>
            <IterationCount>0</IterationCount>
            <Priority>0</Priority>
        </SLAProfileDetails>
    </IteratorProfileSettings>
</RemoteDevice>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <OAM>
            <DeviceName>jaipur</DeviceName>
            <DeviceID>163982</DeviceID>
        </OAM>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/0/0</InterfaceName>
        <MEPId>6</MEPId>
        <RemoteDevice>
            <DeviceInfo>
                <OAM>
                    <DeviceName>junos-m10-2-space</DeviceName>
                    <DeviceID>165528</DeviceID>
                </OAM>
            </DeviceInfo>
        </RemoteDevice>
    </ServiceEndPoint>
</ServiceEndPointGroup>
</ServiceEndPointGroup>

```

```

        <ActionProfile key="196667" />
    </IteratorProfileSettings>
</RemoteDevice>
<RemoteDevice>
    <DeviceInfo>
        <OAM>
            <DeviceName>kochin</DeviceName>
            <DeviceID>164009</DeviceID>
        </OAM>
    </DeviceInfo>
    <IteratorProfileSettings>
        <ActionProfile key="196667" />
    </IteratorProfileSettings>
</RemoteDevice>
</ServiceEndPoint>
</ServiceEndPointGroup>
<Reference>
    <ServiceDefinition>
        <ServiceDefinitionID key="131072" />
    </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Publish and Unpublish a CFM Profile

This request is used to publish or unpublish a CFM profile.

| | |
|--------------|---|
| URI | api/space/nsas/cfm-profiles/service-management /service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-definition+xml |

| | |
|----------|---|
| Consumes | application/vnd.net.juniper.space.service-management.service-definition-status+xml Action types are Publish and Unpublish. |
| Produces | Publishes or unpublishes a CFM profile. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="OAMDesignCustomActionType">
    <Action>UnPublish</Action>
  </CustomAction>
</Data>
```

Create and Publish a CFM Profile

This request is used to create and publish a CFM profile.

| | |
|--------------|--|
| URI | /api/space/nsas/cfm-profiles/service-management/service-definitions/ |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.service-definition+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition-status+xml |
| Produces | Creates and publishes a CFM profile. |

Input

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <OAMDesign>
      <OAMProfile>
        <Common>
          <Name>Test-CFM-API-Create-3</Name>
        </Common>
        <CFMDomain>
          <DomainName>Test-CFM-API-Create</DomainName>
          <DomainLevel>1</DomainLevel>
          <RemoteMEP>true</RemoteMEP>
          <DefinitionType>MEP</DefinitionType>
        </CFMDomain>
        <CCSettings>
          <HoldInterval Editable="false">1</HoldInterval>
          <MessageInterval Editable="false">1s</MessageInterval>
          <LossThreshold Editable="false">3</LossThreshold>
          <InterfaceStatus Editable="false">false</InterfaceStatus>
          <PortStatusTLV Editable="false">false</PortStatusTLV>
          <ProtectionOuiTLV Editable="false">false
            </ProtectionOuiTLV>
        </CCSettings>
        <MEPSettings>
          <MEPId>Select manually</MEPId>
          <Direction Editable="false">Down</Direction>
          <Priority Editable="false">0</Priority>
          <AcceptCCMesgFromRemoteMEP>true</AcceptCCMesgFromRemoteMEP>
        </MEPSettings>
        <RemoteMEPSettings>
          <IteratorProfileSettings>
            <ActionProfile key="196608" />
            <SLAProfileDetails>
              <SLAProfile key="98318" />
              <DataTlvSize>3</DataTlvSize>
              <IterationCount>3</IterationCount>
              <Priority>3</Priority>
            </SLAProfileDetails>
            <SLAProfileDetails>
              <SLAProfile key="98304" />
              <DataTlvSize>6</DataTlvSize>
            </SLAProfileDetails>
          </IteratorProfileSettings>
        </RemoteMEPSettings>
      </OAMProfile>
    </OAMDesign>
  </ServiceResource>
</Data>

```

```

        <IterationCount>6</IterationCount>
        <Priority>6</Priority>
    </SLAProfileDetails>
    <SLAProfileDetails>
        <SLAProfile key="229376" />
        <DataTlvSize>1</DataTlvSize>
        <IterationCount>1</IterationCount>
        <Priority>1</Priority>
    </SLAProfileDetails>
</IteratorProfileSettings>
</RemoteMEPSettings>
</OAMProfile>
</OAMDesign>
</ServiceResource>
    <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type=" OAMDesignCustomActionType">
        <Action>UnPublish</Action>
    </CustomAction>

</Data>
```

Delete a CFM Profile

This request is used to delete a previously configured CFM profile.

| | |
|-------------|---|
| URI | api/space/nsas/cfm-profiles/service-management/ service-definitions/<servicedefinition-id> |
| HTTP Method | DELETE |
| Consumes | application/vnd.net.juniper.space.service- management.service-definition+xml |
| Produces | Deletes a CFM profile. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>CFM Profile</Type>
      <Value>131093</Value>
    </Identity>
    <Code>200</Code>
    <Message>Profile Deleted Successfully</Message>
  </Status>
</Data>
```

Deploy, Validate, and Partially-Delete a CFM Service Order

This request is used to deploy, validate, or partially delete a previously created CFM service order.

| | |
|--------------|--|
| URI | api/space/nsas/cfm-profiles/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml |
| Consumes | <div>application/vnd.net.juniper.space.service-management.service-order-status+xml</div> <div>The options must be specified in the Action Element inside OperationSpecificData. The various options are as follows:</div> <div><ul style="list-style-type: none">• DeployNow (Deploy an already created SO)• DeployLater (Deploy Later an already created SO)• ValidateNow (Validate now an already created SO)• ValidateLater (Validate later an already created SO)• PartialDeleteNow (Delete the partially created configuration now)• PartialDeleteLater (Delete the partially created configuration Later)</div> |

| | |
|----------|--|
| Produces | Deploys, validates or, partially-deletes a previously created CFM service order. |
|----------|--|

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="ServiceOrderCustomActionType">
    <Action>DeployNow</Action>
  </CustomAction>
</Data>
```

Get an LFM Profile By Service Definition ID

This request is used to retrieve the details of a particular LFM profile, based on the service definition ID.

| | |
|-------------|---|
| URI | /api/space/nsas/lfm-profiles/service-management/ service-definitions/<serdef-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition+xml |
| Produces | Collects the details of a specific LFM profile. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
```

```

<OAMDesign>
  <ActionProfile key="65565"

uri="/api/space/nsas/lfm-actionprofiles/service-management/service-definitions/65565"

href="/api/space/nsas/lfm-actionprofiles/service-management/service-definitions/65565">

  <Common>
    <Name>LFM-AP-API</Name>
    <Identity>65565</Identity>
    <State>Unpublished</State>
    <Comments>test</Comments>
    <CreateDate>2013-07-17T18:06:14.000+05:30</CreateDate>
    <LastUpdatedDate>2013-07-17T18:06:14.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <LFMEvent>
    <LinkAdjacencyLoss>true</LinkAdjacencyLoss>
    <ProtocolDown>false</ProtocolDown>
  </LFMEvent>
  <LinkEventRate>
    <FrameError>1</FrameError>
    <FramePeriod>2</FramePeriod>
    <FramePeriodSummary>3</FramePeriodSummary>
    <SymbolPeriod>4</SymbolPeriod>
  </LinkEventRate>

  <LFMAction>
    <LinkDown>false</LinkDown>
    <SendCriticalEvent>true</SendCriticalEvent>
    <Syslog>false</Syslog>
  </LFMAction>
</ActionProfile>
</OAMDesign>
</ServiceResource>
</Data>

```

Get All LFM Profiles

This request is used to retrieve all the configured LFM profiles.

| | |
|-------------|--|
| URI | /api/space/nsas/lfm-profiles/service-management/service-definitions/ |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-definitions+xml |
| Produces | Collects all the configured LFM profiles. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="4">
    <OAMDesign>
      <ActionProfile key="65565"

uri="/api/space/nsas/lfm-actionprofiles/service-management/service-definitions/65565"

href="/api/space/nsas/lfm-actionprofiles/service-management/service-definitions/65565">

      <Common>
        <Name>LFM-AP-API</Name>
        <Identity>65565</Identity>
        <State>Unpublished</State>
        <Comments>test</Comments>
        <CreatedDate>2013-07-17T18:06:14.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-07-17T18:06:14.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <Type>LFMACTIONPROFILE</Type>
    </ActionProfile>
    <ActionProfile key="65574"

uri="/api/space/nsas/lfm-actionprofiles/service-management/service-definitions/65574"
```

href="/api/space/nsas/lfm-actionprofiles/service-management/service-definitions/65574">

```
<Common>
  <Name>LFM-AP-API01</Name>
  <Identity>65574</Identity>
  <State>Unpublished</State>
  <Comments>test</Comments>
  <CreatedDate>2013-07-17T18:06:42.000+05:30</CreatedDate>
  <LastUpdatedDate>2013-07-17T18:06:42.000+05:30</LastUpdatedDate>
  <CreatedBy>super</CreatedBy>
</Common>
<Type>LFMACTIONPROFILE</Type>
</ActionProfile>
<ActionProfile key="65592"
```

uri="/api/space/nsas/lfm-actionprofiles/service-management/service-definitions/65592"

href="/api/space/nsas/lfm-actionprofiles/service-management/service-definitions/65592">

```
<Common>
  <Name>LFM-AP-API09</Name>
  <Identity>65592</Identity>
  <State>Unpublished</State>
  <Comments>test</Comments>
  <CreatedDate>2013-07-17T18:19:17.000+05:30</CreatedDate>
  <LastUpdatedDate>2013-07-17T18:19:17.000+05:30</LastUpdatedDate>
  <CreatedBy>super</CreatedBy>
</Common>
<Type>LFMACTIONPROFILE</Type>

</ActionProfile>
<ActionProfile key="65619"
```

uri="/api/space/nsas/lfm-actionprofiles/service-management/service-definitions/65619"

href="/api/space/nsas/lfm-actionprofiles/service-management/service-definitions/65619">

```
<Common>
```

```
<Name>LFM-Test</Name>
<Identity>65619</Identity>
<State>Unpublished</State>
<Comments>test</Comments>
<CreateDate>2013-07-17T18:30:35.000+05:30</CreateDate>
<LastUpdatedDate>2013-07-17T18:30:35.000+05:30</LastUpdatedDate>
<CreatedBy>super</CreatedBy>
</Common>
<Type>LFMACTIONPROFILE</Type>
</ActionProfile>
</OAMDesign>
</ServiceResource>
</Data>
```

Create an LFM Profile

This request is used to create an LFM profile.

| | |
|--------------|---|
| URI | /api/space/nsas/lfm-profiles/service-management/service-definitions/ |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.service-definition+xml |
| Produces | Creates an LFM profile. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <OAMDesign>
```

```

<ActionProfile>
  <Common>
    <Name>LFM-AP-API</Name>
    <Comments>test</Comments>
  </Common>
  <LFMEvent>
    <LinkAdjacencyLoss>true</LinkAdjacencyLoss>
    <ProtocolDown>>false</ProtocolDown>
  </LFMEvent>
  <LinkEventRate>
    <FrameError>1</FrameError>
    <FramePeriod>2</FramePeriod>
    <FramePeriodSummary>3</FramePeriodSummary>
    <SymbolPeriod>4</SymbolPeriod>
  </LinkEventRate>
  <LFMAction>
    <LinkDown>>false</LinkDown>
    <SendCriticalEvent>true</SendCriticalEvent>
    <Syslog>>false</Syslog>
  </LFMAction>
</ActionProfile>
</OAMDesign>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="OAMDesignCustomActionType">
  <Action>Publish</Action>
</CustomAction>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>LFM Action Profile</Type>

```

```
<Value>163840</Value>
</Identity>
<Code>200</Code>
<Message>LFM Profile Created and Published Successfully</Message>
</Status>
</Data>
```

Publish and Unpublish an LFM Profile

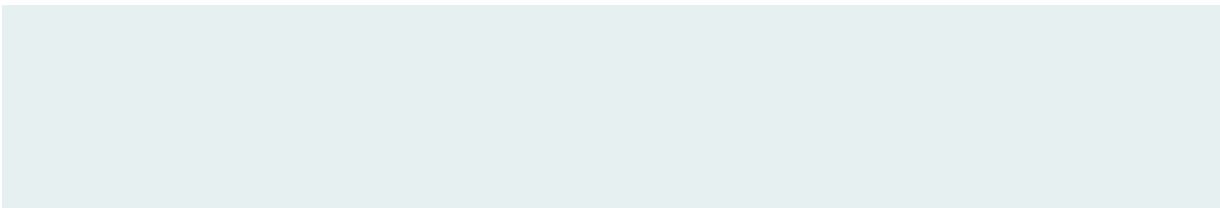
This request is used to publish or unpublish an LFM profile.

| | |
|--------------|---|
| URI | api/space/nsas/lfm-profiles/service-management/ service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-definition+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition-status+xml Action types are Publish and Unpublish. |
| Produces | Publishes or unpublishes an LFM profile. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="OAMDesignCustomActionType">
    <Action>UnPublish</Action>
  </CustomAction>
</Data>
```



Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>LFM Action Profile</Type>
      <Value>65543</Value>
    </Identity>
    <Code>200</Code>
    <Message>Profile UnPublished Successfully</Message>
  </Status>
</Data>
```

Delete an LFM Profile

This request is used to delete a previously configured LFM profile.

| | |
|-------------|---|
| URI | api/space/nsas/lfm-profiles/service-management/ service-definitions/<servicedefinition-id> |
| HTTP Method | DELETE |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition+xml |
| Produces | Deletes an LFM profile. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>LFM Action Profile</Type>
      <Value>163840</Value>
    </Identity>
    <Code>200</Code>
    <Message>Profile Deleted Successfully</Message>
  </Status>
</Data>
```

Get an LFM Action Profile By Service Definition ID

This request is used to retrieve the details of a particular LFM action profile, based on the service definition ID.

| | |
|-------------|---|
| URI | /api/space/nsas/lfm-actionprofiles/service-management/service-definitions/<serdef-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition+xml |
| Produces | Collects the details of a specific LFM action profile. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <OAMDesign>
      <OAMProfile>
```

```

<Common>
  <Name>cfhfc</Name>
  <Identity>491520</Identity>
  <State>Unpublished</State>
  <CreateDate>2013-07-30T19:40:39.000+05:30</CreateDate>
  <LastUpdatedDate>2013-07-30T19:40:39.000+05:30</LastUpdatedDate>
  <CreatedBy>super</CreatedBy>
</Common>
<LinkDiscovery>active</LinkDiscovery>
<PDU  />
<RemoteLoopBack>false</RemoteLoopBack>
<EventThreshold>
  <FrameError>0</FrameError>
  <FramePeriod>0</FramePeriod>
  <FramePeriodSummary>0</FramePeriodSummary>
  <SymbolPeriod>0</SymbolPeriod>
</EventThreshold>
<Negotiation>
  <AllowRemoteLoopBack>true</AllowRemoteLoopBack>
  <NoAllowLinkEvents>true</NoAllowLinkEvents>
</Negotiation>
</OAMProfile>
</OAMDesign>
</ServiceResource>
</Data>

```

Get All LFM Action Profiles

This request is used to retrieve all the configured LFM action profiles.

| | |
|-------------|--|
| URI | /api/space/nsas/lfm-actionprofiles/service-management/ service-definitions/ |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-definitions+xml |
| Produces | Collects all the configured LFM action profiles. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="7">
    <OAMDesign>
      <OAMProfile

href="/api/space/nsas/lfm-profiles/service-management/service-definitions/491520"

uri="/api/space/nsas/lfm-profiles/service-management/service-definitions/491520"

      key="491520">
        <Common>
          <Name>cfhfc</Name>
          <Identity>491520</Identity>
          <State>Unpublished</State>
          <CreateDate>2013-07-30T19:40:39.000+05:30</CreateDate>
          <LastUpdatedDate>2013-07-30T19:40:39.000+05:30</LastUpdatedDate>
          <CreatedBy>super</CreatedBy>
        </Common>
        <Type>LFM</Type>
        <LinkDiscovery>active</LinkDiscovery>
        <RemoteLoopBack>false</RemoteLoopBack>
      </OAMProfile>
      <OAMProfile

href="/api/space/nsas/lfm-profiles/service-management/service-definitions/393216"

uri="/api/space/nsas/lfm-profiles/service-management/service-definitions/393216"

      key="393216">
        <Common>
          <Name>cxdfxdf</Name>
          <Identity>393216</Identity>
          <State>Published</State>
          <Comments>fzdfzxdf</Comments>
          <CreateDate>2013-07-26T20:19:43.000+05:30</CreateDate>
          <LastUpdatedDate>2013-07-26T20:19:43.000+05:30</LastUpdatedDate>
```

```

    <CreatedBy>super</CreatedBy>
  </Common>
  <Type>LFM</Type>
  <LinkDiscovery>active</LinkDiscovery>
  <PDU>
    <PDUInterval>121</PDUInterval>
    <PDUThreshold>10</PDUThreshold>
  </PDU>
  <RemoteLoopBack>true</RemoteLoopBack>
  <ActionProfile

href="/api/space/nsas/cfm-actionprofiles/service-management/service-definitions/98304"

uri="/api/space/nsas/cfm-actionprofiles/service-management/service-definitions/98304"

    key="98304" />
  </OAMProfile>
</OAMProfile>

href="/api/space/nsas/lfm-profiles/service-management/service-definitions/491556"

uri="/api/space/nsas/lfm-profiles/service-management/service-definitions/491556"

    key="491556">
  <Common>
    <Name>dyrdy</Name>
    <Identity>491556</Identity>
    <State>Unpublished</State>
    <CreatedDate>2013-07-30T20:45:10.000+05:30</CreatedDate>
    <LastUpdatedDate>2013-07-30T20:45:10.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <Type>LFM</Type>
  <LinkDiscovery>active</LinkDiscovery>
  <PDU>
    <PDUInterval>100</PDUInterval>
  </PDU>
  <RemoteLoopBack>false</RemoteLoopBack>
</OAMProfile>
</OAMProfile>

```

href="/api/space/nsas/lfm-profiles/service-management/service-definitions/491526"

uri="/api/space/nsas/lfm-profiles/service-management/service-definitions/491526"

```
key="491526">
<Common>
  <Name>LFM_Profile_API</Name>
  <Identity>491526</Identity>
  <State>Unpublished</State>
  <CreateDate>2013-07-30T20:28:30.000+05:30</CreateDate>
  <LastUpdatedDate>2013-07-30T20:28:30.000+05:30</LastUpdatedDate>
</Common>
<Type>LFM</Type>
<LinkDiscovery>Active</LinkDiscovery>
<RemoteLoopBack>>false</RemoteLoopBack>
</OAMProfile>
<OAMProfile
```

href="/api/space/nsas/lfm-profiles/service-management/service-definitions/65536"

uri="/api/space/nsas/lfm-profiles/service-management/service-definitions/65536"

```
key="65536">
<Common>
  <Name>StdDef-LFM</Name>
  <Identity>65536</Identity>
  <State>Published</State>
  <Comments>Predefined LFM profile</Comments>
  <CreateDate>2013-07-22T17:50:01.000+05:30</CreateDate>
  <LastUpdatedDate>2013-07-22T17:50:01.000+05:30</LastUpdatedDate>
  <CreatedBy>super</CreatedBy>
</Common>
<Type>LFM</Type>
<LinkDiscovery>Active</LinkDiscovery>
<PDU>
  <PDUInterval>100</PDUInterval>
  <PDUThreshold>10</PDUThreshold>
</PDU>
<RemoteLoopBack>>true</RemoteLoopBack>
```

```

    </OAMProfile>
    <OAMProfile

href="/api/space/nsas/lfm-profiles/service-management/service-definitions/393224"

uri="/api/space/nsas/lfm-profiles/service-management/service-definitions/393224"

    key="393224">
    <Common>
        <Name>tret4e34</Name>
        <Identity>393224</Identity>
        <State>Published</State>
        <Comments>gregrd</Comments>
        <CreatedDate>2013-07-26T20:21:19.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-07-26T20:21:19.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
    </Common>
    <Type>LFM</Type>
    <LinkDiscovery>active</LinkDiscovery>
    <PDU>
        <PDUInterval>100</PDUInterval>
        <PDUThreshold>3</PDUThreshold>
    </PDU>
    <RemoteLoopBack>true</RemoteLoopBack>
    <ActionProfile

href="/api/space/nsas/cfm-actionprofiles/service-management/service-definitions/98304"

uri="/api/space/nsas/cfm-actionprofiles/service-management/service-definitions/98304"

    key="98304" />
    </OAMProfile>
    <OAMProfile

href="/api/space/nsas/lfm-profiles/service-management/service-definitions/491561"

uri="/api/space/nsas/lfm-profiles/service-management/service-definitions/491561"

    key="491561">

```

```
<Common>
  <Name>zdyhtdjh</Name>
  <Identity>491561</Identity>
  <State>Unpublished</State>
  <CreateDate>2013-07-30T20:45:24.000+05:30</CreateDate>
  <LastUpdatedDate>2013-07-30T20:45:24.000+05:30</LastUpdatedDate>
  <CreatedBy>super</CreatedBy>
</Common>
<Type>LFM</Type>
<LinkDiscovery>active</LinkDiscovery>
<PDU>
  <PDUThreshold>3</PDUThreshold>
</PDU>
<RemoteLoopBack>false</RemoteLoopBack>
</OAMProfile>
</OAMDesign>
</ServiceResource>
</Data>
```

Create an LFM Action Profile

This request is used to create an LFM action profile.

| | |
|--------------|---|
| URI | /api/space/nsas/lfm-actionprofiles/service-management/ service-definitions/ |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management. service-definition+xml |
| Produces | Creates an LFM action profile. |

Input

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <OAMDesign>
      <OAMProfile>
        <Common>
          <Name>Test-1</Name>

        </Common>
        <LinkDiscovery>Active</LinkDiscovery>
        <PDU />
        <RemoteLoopBack>>false</RemoteLoopBack>

        <Negotiation>
          <AllowRemoteLoopBack>true</AllowRemoteLoopBack>
          <NoAllowLinkEvents>true</NoAllowLinkEvents>
        </Negotiation>
      </OAMProfile>
    </OAMDesign>
  </ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>LFM Profile</Type>
      <Value>196608</Value>
    </Identity>
    <Code>200</Code>
    <Message>LFM Profile Created Successfully</Message>
  </Status>
</Data>

```

Publish and Unpublish an LFM Action Profile

This request is used to publish or unpublish an LFM action profile.

| | |
|--------------|---|
| URI | api/space/nsas/lfm-actionprofiles/service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-definition+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition-status+xml Action types are Publish and Unpublish. |
| Produces | Publishes or unpublishes an LFM action profile. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="OAMDesignCustomActionType">
    <Action>UnPublish</Action>
  </CustomAction>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>LFM Profile</Type>
      <Value>65543</Value>
    </Identity>
    <Code>200</Code>
    <Message>Profile UnPublished Successfully</Message>
  </Status>
</Data>
```

Delete an LFM Action Profile

This request is used to delete a previously configured LFM action profile.

| | |
|-------------|---|
| URI | api/space/nsas/lfm-actionprofiles/service-management/ service-definitions/<servicedefinition-id> |
| HTTP Method | DELETE |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition+xml |
| Produces | Deletes an LFM action profile. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>LFM Profile</Type>
      <Value>196608</Value>
```

```
</Identity>
<Code>200</Code>
<Message>Profile Deleted Successfully</Message>
</Status>
</Data>
```

Create a CFM Action Profile

This request is used to create a CFM action profile.

| | |
|--------------|---|
| URI | /api/space/nsas/cfm-actionprofiles/service-management/service-definitions/ |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.service-definition+xml |
| Produces | Creates a CFM action profile. |

Input (Default Action)

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <OAMDesign>
      <ActionProfile>
        <Common>
          <Name>DefaultActionAPI</Name>
          <Comments>Test</Comments>
        </Common>
        <DefaultAction>true</DefaultAction>
        <Action>
          <InterfaceDownDefaultAction>true</InterfaceDownDefaultAction>
```

```

    </Action>
  </ActionProfile>
</OAMDesign>
</ServiceResource>
</Data>

```

Input (Config Event)

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <OAMDesign>
      <ActionProfile>
        <Common>
          <Name>ConfigEvent-API</Name>

        </Common>
        <ConfigEvent>true</ConfigEvent>
        <Event>
          <InterfaceStatusTlv>lower-layer-down</InterfaceStatusTlv>
          <PortStatusTlv>blocked</PortStatusTlv>
          <AdjacencyLoss>true</AdjacencyLoss>
          <RDI>true</RDI>
          <ConnProtTlv>using-protection-path</ConnProtTlv>
        </Event>
        <Action>
          <InterfaceDown>true</InterfaceDown>
          <ProbRemMacFlush>true</ProbRemMacFlush>
        </Action>
      </ActionProfile>
    </OAMDesign>
  </ServiceResource>
</Data>

```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>CFM Action Profile</Type>
      <Value>163851</Value>
    </Identity>
    <Code>200</Code>
    <Message>CFM Profile Created and Published Successfully</Message>
  </Status>
</Data>
```

Publish and Unpublish a CFM Action Profile

This request is used to publish or unpublish a CFM action profile.

| | |
|--------------|---|
| URI | api/space/nsas/cfm-actionprofiles/ service-management/service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-definition+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition-status+xml Action types are Publish and Unpublish. |
| Produces | Publishes or unpublishes a CFM action profile. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="ServiceDefinitionCustomActionType">
    <Action>UnPublish</Action>
  </CustomAction>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>CFM Action Profile</Type>
      <Value>163851</Value>
    </Identity>
    <Code>200</Code>
    <Message>Profile UnPublished Successfully</Message>
  </Status>
</Data>
```

Delete a CFM Action Profile

This request is used to delete a previously configured CFM action profile.

| | |
|-------------|---|
| URI | api/space/nsas/cfm-actionprofiles/service-management/ service-definitions/<servicedefinition-id> |
| HTTP Method | DELETE |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition+xml |

| | |
|----------|-------------------------------|
| Produces | Deletes a CFM action profile. |
|----------|-------------------------------|

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>CFM Action Profile</Type>
      <Value>163851</Value>
    </Identity>
    <Code>200</Code>
    <Message>Profile Deleted Successfully</Message>
  </Status>
</Data>
```

Attach a CFM Action Profile

This request is used to attach a CFM action profile.

| | |
|--------------|--|
| URI | /api/space/nsas/prestage-oam-device/ manage-devices/attach-profile |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.manage-devices. oam-deviceprofile+xml |
| Consumes | application/vnd.net.juniper.space.manage-devices. oam-devices+xml |
| Produces | Attaches a CFM action profile. |

Input

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<Devices>
    <Device>
        <Common>
            <Name>embassy</Name>
            <Identity>229548</Identity>
        </Common>
    </Device>
    <Device>
        <Common>
            <Name>exora</Name>
            <Identity>229608</Identity>
        </Common>
    </Device>
    <Device>
        <Common>
            <Name>jaipur</Name>
            <Identity>229585</Identity>
        </Common>
    </Device>
    <ActionProfile>
        <Common>
            <Name>CFM-ActionProfile</Name>
            <Identity>163896</Identity>
        </Common>
        <Type>CFM</Type>
    </ActionProfile>
</Devices>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>

```

```
<Job>
  <ID>1540105</ID>
  <Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>Attach profile process triggered successfully. Please Check
  the status using Job Id.</Message>
</Status>
</Data>
```

Attach an LFM Action Profile

This request is used to attach an LFM action profile.

| | |
|--------------|--|
| URI | /api/space/nsas/prestage-oam-device/ manage-devices/attach-profile |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.manage-devices. oam-deviceprofile+xml |
| Consumes | application/vnd.net.juniper.space.manage-devices. oam-devices+xml |
| Produces | Attaches an LFM action profile. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Devices>
    <Device>
      <Common>
```

```

                                <Name>embassy</Name>
                                <Identity>229548</Identity>
        </Common>
        </Device>
        <Device>
            <Common>
                <Name>exora</Name>
                <Identity>229608</Identity>
            </Common>
        </Device>
        <Device>
            <Common>
                <Name>jaipur</Name>
                <Identity>229585</Identity>
            </Common>
        </Device>
        <ActionProfile>
            <Common>
                <Name>LFM-ActionProfile</Name>
                <Identity>163896</Identity>
            </Common>
                                <Type>LFM</Type>
        </ActionProfile>
    </Devices>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
        <Job>
            <ID>1540105</ID>
            <Status>INPROGRESS</Status>
        </Job>
        <Code>200</Code>
    </Status>
</Data>

```

```
<Message>Attach profile process triggered successfully. Please Check
  the status using Job Id.</Message>
</Status>
</Data>
```

Attach an SLA Iterator Profile

This request is used to attach an SLA iterator profile.

| | |
|--------------|--|
| URI | /api/space/nsas/prestage-oam-device/ manage-devices/attach-profile |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.manage-devices. oam-deviceprofile+xml |
| Consumes | application/vnd.net.juniper.space.manage-devices. oam-devices+xml |
| Produces | Attaches an SLA iterator profile. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Devices>
    <Device>
      <Common>
        <Name>embassy</Name>
        <Identity>229548</Identity>
      </Common>
    </Device>
    <Device>
```

```

        <Common>
            <Name>exora</Name>
            <Identity>229608</Identity>
        </Common>
    </Device>
    <Device>
        <Common>
            <Name>jaipur</Name>
            <Identity>229585</Identity>
        </Common>
    </Device>
</SLAProfile>
<SLAProfile>
    <Common>
        <Name>StdDef-SFL</Name>
        <Identity>98311</Identity>
    </Common>
</SLAProfile>
</Devices>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
        <Job>
            <ID>1540105</ID>
            <Status>INPROGRESS</Status>
        </Job>
        <Code>200</Code>
        <Message>Attach profile process triggered successfully. Please Check
            the status using Job Id.</Message>
    </Status>
</Data>

```

Detach a CFM Action Profile

This request is used to detach a CFM action profile.

| | |
|--------------|--|
| URI | /api/space/nsas/prestage-oam-device/ manage-devices/attach-profile |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.manage-devices. oam-deviceprofile+xml |
| Consumes | application/vnd.net.juniper.space.manage-devices. oam-devices+xml |
| Produces | Detaches a CFM action profile. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Devices>
    <Device>
      <Common>
        <Name>embassy</Name>
        <Identity>229548</Identity>
      </Common>
    </Device>
    <Device>
      <Common>
        <Name>exora</Name>
        <Identity>229608</Identity>
      </Common>
    </Device>
    <Device>
      <Common>
        <Name>jaipur</Name>
        <Identity>229585</Identity>
      </Common>
    </Device>
  </Devices>
</Data>
```

```
<ActionProfile>
  <Common>
    <Name>CFM-ActionProfile</Name>
    <Identity>163896</Identity>
  </Common>
  <Type>CFM</Type>
</ActionProfile>
</Devices>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Job>
      <ID>1540117</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Detach profile process triggered successfully. Please Check
      the status using Job Id.</Message>
  </Status>
</Data>
```

Detach an LFM Action Profile

This request is used to detach an LFM action profile.

| | |
|-------------|---|
| URI | /api/space/nsas/prestage-oam-device/ manage-devices/attach-profile |
| HTTP Method | POST |

| | |
|--------------|--|
| Content-Type | application/vnd.net.juniper.space.manage-devices.oam-deviceprofile+xml |
| Consumes | application/vnd.net.juniper.space.manage-devices.oam-devices+xml |
| Produces | Detaches an LFM action profile. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Devices>
    <Device>
      <Common>
        <Name>embassy</Name>
        <Identity>229548</Identity>
      </Common>
    </Device>
    <Device>
      <Common>
        <Name>exora</Name>
        <Identity>229608</Identity>
      </Common>
    </Device>
    <Device>
      <Common>
        <Name>jaipur</Name>
        <Identity>229585</Identity>
      </Common>
    </Device>
    <ActionProfile>
      <Common>
        <Name>LFM-ActionProfile</Name>
        <Identity>163896</Identity>
      </Common>
      <Type>LFM</Type>
    </ActionProfile>
  </Devices>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Job>
      <ID>1540117</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Detach profile process triggered successfully. Please Check
      the status using Job Id.</Message>
    </Status>
  </Data>
```

Detach an SLA Iterator Profile

This request is used to detach an SLA iterator profile.

| | |
|--------------|--|
| URI | /api/space/nsas/prestage-oam-device/manage-devices/attach-profile |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.manage-devices.oam-deviceprofile+xml |
| Consumes | application/vnd.net.juniper.space.manage-devices.oam-devices+xml |
| Produces | Detaches an SLA iterator profile. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Devices>
    <Device>
      <Common>
        <Name>embassy</Name>
        <Identity>229548</Identity>
      </Common>
    </Device>
    <Device>
      <Common>
        <Name>exora</Name>
        <Identity>229608</Identity>
      </Common>
    </Device>
    <Device>
      <Common>
        <Name>jaipur</Name>
        <Identity>229585</Identity>
      </Common>
    </Device>
  </Devices>
  <SLAProfile>
    <Common>
      <Name>StdDef-SFL</Name>
      <Identity>98311</Identity>
    </Common>
  </SLAProfile>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Job>
      <ID>1540117</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Detach profile process triggered successfully. Please Check
      the status using Job Id.</Message>
  </Status>
</Data>
```

LFM Links Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director Link Fault Management (LFM) Links Management RESTful Web Services.

Create an LFM Link

This request is used to create an LFM link.

| | |
|--------------|--|
| URI | /api/space/nsas/prestage-oam-device/ manage-devices/lfmlinks |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.manage-devices. oam-device-lfmlink+xml |
| Consumes | application/vnd.net.juniper.space.manage-devices. oam-device-lfmlink-status+xml |
| Produces | Creates an LFM link. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <LFMLinks>
    <LFMLink>
      <Common>
        <Name>LFM-API</Name>
      </Common>
      <Device-1>
        <OAM>
          <DeviceName>junos-space1</DeviceName>
          <DeviceID>163925</DeviceID>
          <LFMInterface>ge-0/1/3</LFMInterface>
        </OAM>
      </Device-1>
      <Device-2>
        <OAM>
          <DeviceName>junos-space2</DeviceName>
          <DeviceID>163981</DeviceID>
          <LFMInterface>ge-0/1/3</LFMInterface>
        </OAM>
      </Device-2>
      <LFMProfile key="32768" />
    </LFMLink>
  </LFMLinks>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Job>
      <ID>655377</ID>
      <Status>INPROGRESS</Status>
    </Job>
  </Status>
</Data>
```

```
</Job>
<Code>200</Code>
<Message>Creeate LFM Link triggered Successfully.Please Check the
  status using Job Id.</Message>
</Status>
</Data>
```

Get an LFM Link By Link ID

This request is used to retrieve the details of a particular LFM link, based on the link ID.

| | |
|-------------|--|
| URI | api/space/nsas/prestage-oam-device/manage-devices/lfmlinks/<lfmId > |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.manage-devices.oam-device-lfmlink-status+xml |
| Produces | Collects the details of a specific LFM link. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <LFMLinks>
    <LFMLink>
      <Common>
        <Name>vgjhgvfj</Name>
        <Identity>197230</Identity>
        <CreatedDate>2013-08-29T15:21:40.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-08-29T15:21:40.000+05:30</LastUpdatedDate>
      </Common>
      <LinkStatus>Failed</LinkStatus>
```

```

<Device-1>
  <OAM
    href="/api/space/nsas/prestage-oam-device/manage-devices/devices/163925"

    uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/163925"

    key="163925">
      <DeviceName>junos-space1</DeviceName>
      <DeviceID>163925</DeviceID>
      <LFMInterface>ge-0/1/5</LFMInterface>
    </OAM>
  </Device-1>
<Device-2>
  <OAM
    href="/api/space/nsas/prestage-oam-device/manage-devices/devices/163981"

    uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/163981"

    key="163981">
      <DeviceName>junos-space2</DeviceName>
      <DeviceID>163981</DeviceID>
      <LFMInterface>ge-0/1/4</LFMInterface>
    </OAM>
  </Device-2>
  <LFMProfile

href="/api/space/nsas/lfm-profiles/service-management/service-definitions/32768"

uri="/api/space/nsas/lfm-profiles/service-management/service-definitions/32768"

    key="32768" />
  </LFMLink>
</LFMLinks>
</Data>

```

Get All LFM Links

This request is used to retrieve all the configured LFM links.

| | |
|-------------|---|
| URI | api/space/nsas/prestage-oam-device/ manage-devices/lflmlinks/ |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space. manage-devices.oam-device-lflmlink-status+xml |
| Produces | Collects all the configured LFM links. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <LFMLinks size="6">
    <LFMLink>
      <Common>
        <Name>vgjhgvmfj</Name>
        <Identity>197230</Identity>
        <CreatedDate>2013-08-29T15:21:40.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-08-29T15:21:40.000+05:30</LastUpdatedDate>
      </Common>
      <LinkStatus>Failed</LinkStatus>
      <FaultStatus>None</FaultStatus>
      <Device-1>
        <OAM
          href="/api/space/nsas/prestage-oam-device/manage-devices/devices/163925"

          uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/163925"

          key="163925">
            <DeviceName>junos-space1</DeviceName>
            <DeviceID>163925</DeviceID>
            <LFMInterface>ge-0/1/5</LFMInterface>
          </OAM>
```

```

</Device-1>
<Device-2>
  <OAM
    href="/api/space/nsas/prestage-oam-device/manage-devices/devices/163981"

    uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/163981"

    key="163981">
      <DeviceName>junos-space2</DeviceName>
      <DeviceID>163981</DeviceID>
      <LFMInterface>ge-0/1/4</LFMInterface>
    </OAM>
  </Device-2>
</LFMLink>
<LFMLink>
  <Common>
    <Name>gxfdrtf</Name>
    <Identity>197263</Identity>
    <CreatedDate>2013-08-29T15:22:30.000+05:30</CreatedDate>
    <LastUpdatedDate>2013-08-29T15:22:30.000+05:30</LastUpdatedDate>
  </Common>
  <LinkStatus>Failed</LinkStatus>
  <FaultStatus>None</FaultStatus>
</Device-1>
  <OAM
    href="/api/space/nsas/prestage-oam-device/manage-devices/devices/163925"

    uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/163925"

    key="163925">
      <DeviceName>junos-spacel</DeviceName>
      <DeviceID>163925</DeviceID>
      <LFMInterface>ge-0/1/5</LFMInterface>
    </OAM>
  </Device-1>
<Device-2>
  <OAM
    href="/api/space/nsas/prestage-oam-device/manage-devices/devices/163981"

    uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/163981"

    key="163981">

```

```

    <DeviceName>junos-space2</DeviceName>
    <DeviceID>163981</DeviceID>
    <LFMInterface>ge-0/1/4</LFMInterface>
  </OAM>
</Device-2>
</LFMLink>
<LFMLink>
  <Common>
    <Name>fhgfdh</Name>
    <Identity>197327</Identity>
    <CreatedDate>2013-08-29T17:46:37.000+05:30</CreatedDate>
    <LastUpdatedDate>2013-08-29T17:46:37.000+05:30</LastUpdatedDate>
  </Common>
  <LinkStatus>Failed</LinkStatus>
  <FaultStatus>None</FaultStatus>
  <Device-1>
    <OAM
      href="/api/space/nsas/prestage-oam-device/manage-devices/devices/163925"

      uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/163925"

      key="163925">
        <DeviceName>junos-space1</DeviceName>
        <DeviceID>163925</DeviceID>
        <LFMInterface>ge-0/1/2</LFMInterface>
      </OAM>
    </Device-1>
    <Device-2>
      <OAM
        href="/api/space/nsas/prestage-oam-device/manage-devices/devices/163981"

        uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/163981"

        key="163981">
          <DeviceName>junos-space2</DeviceName>
          <DeviceID>163981</DeviceID>
          <LFMInterface>ge-0/1/0</LFMInterface>
        </OAM>
      </Device-2>
    </LFMLink>
  </LFMLink>
  <Common>

```

```

<Name>rdtrdy</Name>
<Identity>197421</Identity>
<CreateDate>2013-08-29T18:18:05.000+05:30</CreateDate>
<LastUpdatedDate>2013-08-29T18:18:05.000+05:30</LastUpdatedDate>
</Common>
<FaultStatus>None</FaultStatus>
<Device-1>
  <OAM
    href="/api/space/nsas/prestage-oam-device/manage-devices/devices/163925"

    uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/163925"

    key="163925">
      <DeviceName>junos-space1</DeviceName>
      <DeviceID>163925</DeviceID>
      <LFMInterface>ge-0/1/1</LFMInterface>
    </OAM>
  </Device-1>
  <Device-2>
    <OAM
      href="/api/space/nsas/prestage-oam-device/manage-devices/devices/163981"

      uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/163981"

      key="163981">
        <DeviceName>junos-space2</DeviceName>
        <DeviceID>163981</DeviceID>
        <LFMInterface>ge-0/1/1</LFMInterface>
      </OAM>
    </Device-2>
  </LFMLink>
<LFMLink>
  <Common>
    <Name>eafde-API</Name>
    <Identity>197483</Identity>
    <CreateDate>2013-08-29T18:29:25.000+05:30</CreateDate>
    <LastUpdatedDate>2013-08-29T18:29:25.000+05:30</LastUpdatedDate>
  </Common>
  <FaultStatus>None</FaultStatus>
  <Device-1>
    <OAM
      href="/api/space/nsas/prestage-oam-device/manage-devices/devices/163925"

```

```

uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/163925"

key="163925">
  <DeviceName>junos-space1</DeviceName>
  <DeviceID>163925</DeviceID>
  <LFMInterface>xe-0/3/0</LFMInterface>
</OAM>
</Device-1>
<Device-2>
  <OAM
href="/api/space/nsas/prestage-oam-device/manage-devices/devices/163981"

uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/163981"

key="163981">
  <DeviceName>junos-space2</DeviceName>
  <DeviceID>163981</DeviceID>
  <LFMInterface>ge-0/2/1</LFMInterface>
</OAM>
</Device-2>
</LFMLink>
<LFMLink>
  <Common>
    <Name>eafde-API1</Name>
    <Identity>295115</Identity>
    <CreatedDate>2013-08-30T15:06:27.000+05:30</CreatedDate>
    <LastUpdatedDate>2013-08-30T15:06:27.000+05:30</LastUpdatedDate>
  </Common>
  <FaultStatus>None</FaultStatus>
</Device-1>
  <OAM
href="/api/space/nsas/prestage-oam-device/manage-devices/devices/163925"

uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/163925"

key="163925">
  <DeviceName>junos-space1</DeviceName>
  <DeviceID>163925</DeviceID>
  <LFMInterface>ge-0/1/0</LFMInterface>
</OAM>
</Device-1>

```

```
<Device-2>
  <OAM
    href="/api/space/nsas/prestage-oam-device/manage-devices/devices/163981"

    uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/163981"

    key="163981">
      <DeviceName>junos-space2</DeviceName>
      <DeviceID>163981</DeviceID>
      <LFMInterface>ge-0/1/2</LFMInterface>
    </OAM>
  </Device-2>
</LFMLink>
</LFMLinks>
</Data>
```

Update the LFM Link Status

This request is used to update the status of an LFM link.

| | |
|--------------|--|
| URI | /api/space/nsas/prestage-oam-device/ manage-devices/lfmlinks/update-lfmstatus |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.manage-devices. oam-device-lfmlink-updatestatus+xml |
| Consumes | application/vnd.net.juniper.space.manage-devices. oam-device-lfmlink-status+xml |
| Produces | Updates the status of an LFM link. |

Input

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <LFMLinks>
    <LFMLink>
      <Common>
        <Name>gxfdrtf</Name>
        <Identity>197263</Identity>
      </Common>

      <Common>
        <Name>fhgfdh</Name>
        <Identity>197327</Identity>
      </Common>

      <Common>
        <Name>rdtrdy</Name>
        <Identity>197421</Identity>
      </Common>

    </LFMLink>
  </LFMLinks>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Job>
      <ID>655375</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>LFM Status update triggered Successfully.</Message>
  </Status>
</Data>

```

Delete an LFM Link

This request is used to delete an LFM link.

| | |
|--------------|--|
| URI | /api/space/nsas/prestage-oam-device/ manage-devices/lfmlinks/<lfmid> |
| HTTP Method | DELETE |
| Content-Type | application/vnd.net.juniper.space.manage-devices. oam-device-lfmlink+xml |
| Consumes | application/vnd.net.juniper.space.manage-devices. oam-device-lfmlink-status+xml |
| Produces | Deletes an LFM link. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Job>
      <ID>655372</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Remove LFM Link triggered Successfully.Please Check the
      status using Job Id.</Message>
  </Status>
</Data>
```

RFC 2544 Tests Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director RFC 2544-Based Benchmarking Tests Management RESTful Web Services.

Get an RFC 2544 Service Order By Order ID

This request is used to retrieve the details of a particular RFC 2544-based service order, based on the service order ID.

| | |
|-------------|--|
| URI | api/space/nsas/rfc2544/service-management/service-orders/<id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Collects the details of a specific RFC 2544 service order. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/rfc2544/service-management/service-orders/229799"
      uri="/api/space/nsas/rfc2544/service-management/service-orders/229799"
      key="229799">
      <Common>
        <Name>123</Name>
        <Identity>229799</Identity>
        <State>Invalid</State>
        <CreatedDate>2013-07-23T20:47:21.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-07-23T20:47:21.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>RFC2544</ServiceType>
      <Action>Provisioning</Action>
      <RFCProfileSettings>
        <Throughput>
```

```

    <ProfileName>123_throughput</ProfileName>
    <BandWidth>50</BandWidth>
    <PacketSize>64</PacketSize>
  </Throughput>
  <BacktoBackFrames>
    <ProfileName>123_back-back-frames</ProfileName>
    <BandWidth>45</BandWidth>
    <PacketSize>256</PacketSize>
  </BacktoBackFrames>
</RFCProfileSettings>
<ServiceEndPointGroup>
  <RFCTestConfiguration>
    <InitiatorConfiguration>
      <DeviceInfo>
        <OAM

href="/api/space/nsas/prestage-oam-device/manage-devices/devices/196771"
  uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/196771"

  key="196771">
    <DeviceName>junos-space2</DeviceName>
    <DeviceID>196771</DeviceID>
  </OAM>
</DeviceInfo>
<TestInterface>ge-0/1/0</TestInterface>
<Family>ccc</Family>
<SourIPV4Address>1.2.3.4</SourIPV4Address>
<SourceUDPPort>123</SourceUDPPort>
<DestIPV4Address>1.2.3.4</DestIPV4Address>
<DestUDPPort>123</DestUDPPort>
<Direction>ingress</Direction>
<HaltonPrefixDown>false</HaltonPrefixDown>
<SkipARPIteration>true</SkipARPIteration>
<Mode>initiate-and-terminate</Mode>
<TestIteration>12</TestIteration>
<InnerVlanId>81</InnerVlanId>
<OuterVlanId>12</OuterVlanId>
</InitiatorConfiguration>
<ReflectorConfiguration>
  <DeviceInfo>
    <OAM

```

```
href="/api/space/nsas/prestage-oam-device/manage-devices/devices/196797"
uri="/api/space/nsas/prestage-oam-device/manage-devices/devices/196797"

key="196797">
  <DeviceName>junos-spacel</DeviceName>
  <DeviceID>196797</DeviceID>
</OAM>
</DeviceInfo>
<TestInterface>ge-0/1/2</TestInterface>
<Family>ccc</Family>
<Direction>ingress</Direction>
<HaltonPrefixDown>>false</HaltonPrefixDown>
<SkipARPIteration>>false</SkipARPIteration>
<Mode>reflect</Mode>
</ReflectorConfiguration>
</RFC2544TestConfiguration>
</ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
</Data>
```

Get All RFC 2544 Service Orders

This request is used to retrieve the all of the configured RFC 2544-based service orders.

| | |
|-------------|---|
| URI | api/space/nsas/rfc2544/service-management/service-orders |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-orders+xml |
| Produces | Collects all of the configured RFC 2544 service orders. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="3">
    <ServiceOrder
      href="/api/space/nsas/rfc2544/service-management/service-orders/230644"
      uri="/api/space/nsas/rfc2544/service-management/service-orders/230644"
      key="230644">
      <Common>
        <Name>rdydrty</Name>
        <Identity>230644</Identity>
        <State>Invalid</State>
        <Comments>sgrdsh</Comments>
        <CreatedDate>2013-07-23T20:50:28.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-07-23T20:50:28.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>RFC2544</ServiceType>
      <Action>Provisioning</Action>
    </ServiceOrder>
    <ServiceOrder
      href="/api/space/nsas/rfc2544/service-management/service-orders/229799"
      uri="/api/space/nsas/rfc2544/service-management/service-orders/229799"
      key="229799">
      <Common>
        <Name>123</Name>
        <Identity>229799</Identity>
        <State>Invalid</State>
        <CreatedDate>2013-07-23T20:47:21.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-07-23T20:47:21.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>RFC2544</ServiceType>
      <Action>Provisioning</Action>
    </ServiceOrder>
    <ServiceOrder
      href="/api/space/nsas/rfc2544/service-management/service-orders/229376"
      uri="/api/space/nsas/rfc2544/service-management/service-orders/229376"
      key="229376">
      <Common>
        <Name>gngf</Name>
        <Identity>229376</Identity>
        <State>Invalid</State>

```

```
<CreatedDate>2013-07-23T20:35:03.000+05:30</CreatedDate>
<LastUpdatedDate>2013-07-23T20:35:03.000+05:30</LastUpdatedDate>
<CreatedBy>super</CreatedBy>
</Common>
<ServiceType>RFC2544</ServiceType>
<Action>Provisioning</Action>
</ServiceOrder>
</ServiceResource>
</Data>
```

Get All RFC 2544 Services

This request is used to retrieve the details of a particular RFC 2544-based service based on the service ID.

| | |
|-------------|--|
| URI | api/space/nsas/rfc2544/service-management/services/<id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service+xml |
| Produces | Collects the details of all configured RFC 2544 services. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service href="/api/space/nsas/rfc2544/service-management/services/132760"

      uri="/api/space/nsas/rfc2544/service-management/services/132760"
      key="132760">
      <Common>
        <Name>testre</Name>
```

```

    <Identity>132760</Identity>
    <State>Deployed</State>
    <Comments>testre</Comments>
    <CreatedDate>2013-08-02T08:59:59.000+05:30</CreatedDate>
    <LastUpdatedDate>2013-08-04T10:16:09.000+05:30</LastUpdatedDate>
  </Common>
  <ServiceType>RFC2544</ServiceType>
  <Reference>
    <ServiceOrder key="132760"
      href="/api/space/nsas/rfc2544/service-management/service-orders/132760"

      uri="/api/space/nsas/rfc2544/service-management/service-orders/132760"
    />
  </Reference>
</Service>
<Service href="/api/space/nsas/rfc2544/service-management/services/133622"

  uri="/api/space/nsas/rfc2544/service-management/services/133622"
  key="133622">
  <Common>
    <Name>FSGraph</Name>
    <Identity>133622</Identity>
    <State>Deployed</State>
    <Comments>FSGraph</Comments>
    <CreatedDate>2013-08-02T10:42:48.000+05:30</CreatedDate>
    <LastUpdatedDate>2013-08-02T10:42:48.000+05:30</LastUpdatedDate>
  </Common>
  <ServiceType>RFC2544</ServiceType>
  <Reference>
    <ServiceOrder key="133622"
      href="/api/space/nsas/rfc2544/service-management/service-orders/133622"

      uri="/api/space/nsas/rfc2544/service-management/service-orders/133622"
    />
  </Reference>
</Service>
<Service href="/api/space/nsas/rfc2544/service-management/services/134048"

  uri="/api/space/nsas/rfc2544/service-management/services/134048"
  key="134048">
  <Common>
    <Name>FSGraph</Name>

```

```

    <Identity>134048</Identity>
    <State>Deployed</State>
    <Comments>FSGraph</Comments>
    <CreatedDate>2013-08-02T10:42:56.000+05:30</CreatedDate>
    <LastUpdatedDate>2013-08-02T10:42:56.000+05:30</LastUpdatedDate>
  </Common>
  <ServiceType>RFC2544</ServiceType>
  <Reference>
    <ServiceOrder key="134048"
      href="/api/space/nsas/rfc2544/service-management/service-orders/134048"

      uri="/api/space/nsas/rfc2544/service-management/service-orders/134048"
    />
  </Reference>
</Service>
<Service href="/api/space/nsas/rfc2544/service-management/services/137073"

  uri="/api/space/nsas/rfc2544/service-management/services/137073"
  key="137073">
  <Common>
    <Name>testmodify</Name>
    <Identity>137073</Identity>
    <State>Deployed</State>
    <Comments>testmodify</Comments>
    <CreatedDate>2013-08-03T13:01:43.000+05:30</CreatedDate>
    <LastUpdatedDate>2013-08-04T10:24:25.000+05:30</LastUpdatedDate>
  </Common>
  <ServiceType>RFC2544</ServiceType>
  <Reference>
    <ServiceOrder key="137073"
      href="/api/space/nsas/rfc2544/service-management/service-orders/137073"

      uri="/api/space/nsas/rfc2544/service-management/service-orders/137073"
    />
  </Reference>
</Service>
<Service href="/api/space/nsas/rfc2544/service-management/services/140472"

  uri="/api/space/nsas/rfc2544/service-management/services/140472"
  key="140472">
  <Common>
    <Name>testModiy</Name>

```

```
<Identity>140472</Identity>
<State>Deployed</State>
<Comments>testModiy</Comments>
<CreateDate>2013-08-03T18:56:37.000+05:30</CreateDate>
<LastUpdatedDate>2013-08-04T09:30:33.000+05:30</LastUpdatedDate>
</Common>
<ServiceType>RFC2544</ServiceType>
<Reference>
  <ServiceOrder key="140472"
    href="/api/space/nsas/rfc2544/service-management/service-orders/140472"

    uri="/api/space/nsas/rfc2544/service-management/service-orders/140472"
  />
</Reference>
</Service>
</ServiceResource>
</Data>
```

Get an RFC 2544 Service By Service ID

This request is used to retrieve the details of a particular RFC 2544-based service based on the service ID.

| | |
|-------------|--|
| URI | api/space/nsas/rfc2544/service-management/services/<id>/details |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service+xml |
| Produces | Collects the details of a specific RFC 2544 service. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service href="/api/space/nsas/rfc2544/service-management/services/132760"

      uri="/api/space/nsas/rfc2544/service-management/services/132760"
    key="132760">
      <Common>
        <Name>testre</Name>
        <Identity>132760</Identity>
        <State>Deployed</State>
      </Common>
      <ServiceType>RFC2544</ServiceType>
      <RFCProfileSettings>
        <Throughput>
          <ProfileName>testre_throughput</ProfileName>
          <BandWidth>1000</BandWidth>
          <PacketSize>128,512</PacketSize>
        </Throughput>
        <FrameLoss>
          <ProfileName>testre_frame-loss</ProfileName>
          <BandWidth>1000</BandWidth>
          <PacketSize>128,256,512</PacketSize>
          <StepPercent>60</StepPercent>
        </FrameLoss>
      </RFCProfileSettings>
      <ServiceEndPointGroup>
        <RFCServiceTestConfiguration>
          <InitiatorConfiguration>
            <DeviceInfo>
              <OAM>
                <DeviceName>junos-space5</DeviceName>
                <DeviceID>163865</DeviceID>
              </OAM>
            </DeviceInfo>
            <Family>inet</Family>
            <SourIPv4Address>40.1.43.1</SourIPv4Address>
            <SourceUDPPort>4040</SourceUDPPort>
            <DestIPv4Address>40.1.43.2</DestIPv4Address>
            <DestUDPPort>4041</DestUDPPort>
            <HaltonPrefixDown>true</HaltonPrefixDown>
            <TestIteration>10</TestIteration>
          </InitiatorConfiguration>
        </RFCServiceTestConfiguration>
      </ServiceEndPointGroup>
    </Service>
  </ServiceResource>
</Data>

```

```

    <InnerVlanId>0</InnerVlanId>
    <OuterVlanId>0</OuterVlanId>
  </InitiatorConfiguration>
  <ReflectorConfiguration>
    <DeviceInfo>
      <OAM>
        <DeviceName>junos-space5</DeviceName>
        <DeviceID>163865</DeviceID>
      </OAM>
    </DeviceInfo>
    <TestInterface>ge-0/1/2.0</TestInterface>
    <Family>inet</Family>
    <SourIPv4Address>40.1.8.2</SourIPv4Address>
    <SourceUDPPort>4040</SourceUDPPort>
    <DestIPv4Address>40.1.43.2</DestIPv4Address>
    <DestUDPPort>4041</DestUDPPort>
    <HaltonPrefixDown>true</HaltonPrefixDown>
    <SkipARPIteration>false</SkipARPIteration>
    <InnerVlanId>0</InnerVlanId>
    <OuterVlanId>0</OuterVlanId>
    <ReflectEtype>0</ReflectEtype>
    <ReflectEmode>0</ReflectEmode>
  </ReflectorConfiguration>
</RFCServiceTestConfiguration>
</ServiceEndPointGroup>
<Reference>
  <ServiceOrder key="132341"
    href="/api/space/nsas/rfc2544/service-management/service-orders/132341"

    uri="/api/space/nsas/rfc2544/service-management/service-orders/132341"
  />
</Reference>
</Service>
</ServiceResource>
</Data>

```

Get All RFC Services Based on NA Service ID

This request is used to retrieve all RFC services associated with E-LINE/IP Services (NA Services) based on NA Service ID.

| | |
|-------------|--|
| URI | api/space/nsas/rfc2544/service-management/services/<NA Service ID> |
| HTTP Method | POST |
| Consumes | application/vnd.net.juniper.space.service-management.service+xml |
| Produces | Collects the details of a specific RFC 2544 service. |

Input

Sample XML Input

```
https://10.213.19.84/api/space/nsas/rfc2544/service-management/services/98304
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data
  xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service key="1" uri="/api/space/nsas/rfc2544/service-management/services/1"
href="/api/space/nsas/rfc2544/service-management/services/1">
      <Common>
        <Name>tpt71</Name>
        <Identity>1</Identity>
        <State>Deployed</State>
        <Comments>tpt71</Comments>
        <CreatedDate>2018-12-10T11:47:41.000Z</CreatedDate>
        <LastUpdatedDate>2018-12-10T11:47:41.000Z</LastUpdatedDate>
      </Common>
      <ServiceType>RFC2544</ServiceType>
      <RFCTestStatus>Completed</RFCTestStatus>
    </ServiceResource>
  </Data>
```

```

    <Reference>
      <ServiceOrder
uri="/api/space/nsas/rfc2544/service-management/service-orders/1"
href="/api/space/nsas/rfc2544/service-management/service-orders/1" key="1"/>

    </Reference>
  </Service>
  <Service key="2" uri="/api/space/nsas/rfc2544/service-management/services/2"
href="/api/space/nsas/rfc2544/service-management/services/2">
    <Common>
      <Name>tpt72</Name>
      <Identity>2</Identity>
      <State>Deployed</State>
      <Comments>tpt72</Comments>
      <CreatedDate>2018-12-10T12:51:11.000Z</CreatedDate>
      <LastUpdatedDate>2018-12-10T12:51:11.000Z</LastUpdatedDate>
    </Common>
    <ServiceType>RFC2544</ServiceType>
    <RFCTestStatus>Stopped</RFCTestStatus>
    <Reference>
      <ServiceOrder
uri="/api/space/nsas/rfc2544/service-management/service-orders/2"
href="/api/space/nsas/rfc2544/service-management/service-orders/2" key="2"/>

    </Reference>
  </Service>
  <Service key="3" uri="/api/space/nsas/rfc2544/service-management/services/3"
href="/api/space/nsas/rfc2544/service-management/services/3">
    <Common>
      <Name>tpt73</Name>
      <Identity>3</Identity>
      <State>Deployed</State>
      <Comments>tpt73</Comments>
      <CreatedDate>2018-12-10T13:05:37.000Z</CreatedDate>
      <LastUpdatedDate>2018-12-10T13:05:37.000Z</LastUpdatedDate>
    </Common>
    <ServiceType>RFC2544</ServiceType>
    <RFCTestStatus>Stopped</RFCTestStatus>
    <Reference>
      <ServiceOrder
uri="/api/space/nsas/rfc2544/service-management/service-orders/3"
href="/api/space/nsas/rfc2544/service-management/service-orders/3" key="3"/>

```

```

    </Reference>
  </Service>
  <Service key="4" uri="/api/space/nsas/rfc2544/service-management/services/4"
href="/api/space/nsas/rfc2544/service-management/services/4">
    <Common>
      <Name>tpt74</Name>
      <Identity>4</Identity>
      <State>Deployed</State>
      <Comments>tpt74</Comments>
      <CreatedDate>2018-12-10T13:38:14.000Z</CreatedDate>
      <LastUpdatedDate>2018-12-10T13:38:14.000Z</LastUpdatedDate>
    </Common>
    <ServiceType>RFC2544</ServiceType>
    <RFCTestStatus>Stopped</RFCTestStatus>
    <Reference>
      <ServiceOrder
uri="/api/space/nsas/rfc2544/service-management/service-orders/4"
href="/api/space/nsas/rfc2544/service-management/service-orders/4" key="4"/>

    </Reference>
  </Service>
  <Service key="5" uri="/api/space/nsas/rfc2544/service-management/services/5"
href="/api/space/nsas/rfc2544/service-management/services/5">
    <Common>
      <Name>fm01</Name>
      <Identity>5</Identity>
      <State>Deployed</State>
      <Comments>fm01</Comments>
      <CreatedDate>2018-12-10T13:53:44.000Z</CreatedDate>
      <LastUpdatedDate>2018-12-10T13:53:44.000Z</LastUpdatedDate>
    </Common>
    <ServiceType>RFC2544</ServiceType>
    <RFCTestStatus>Stopped</RFCTestStatus>
    <Reference>
      <ServiceOrder
uri="/api/space/nsas/rfc2544/service-management/service-orders/5"
href="/api/space/nsas/rfc2544/service-management/service-orders/5" key="5"/>

    </Reference>
  </Service>
  <Service key="6" uri="/api/space/nsas/rfc2544/service-management/services/6"

```

```

href="/api/space/nsas/rfc2544/service-management/services/6">
  <Common>
    <Name>fm02</Name>
    <Identity>6</Identity>
    <State>Deployed</State>
    <Comments>fm02</Comments>
    <CreatedDate>2018-12-10T14:08:01.000Z</CreatedDate>
    <LastUpdatedDate>2018-12-10T14:08:01.000Z</LastUpdatedDate>
  </Common>
  <ServiceType>RFC2544</ServiceType>
  <RFCTestStatus>Stopped</RFCTestStatus>
  <Reference>
    <ServiceOrder
uri="/api/space/nsas/rfc2544/service-management/service-orders/6"
href="/api/space/nsas/rfc2544/service-management/service-orders/6" key="6"/>

  </Reference>
</Service>
<Service key="7" uri="/api/space/nsas/rfc2544/service-management/services/7"
href="/api/space/nsas/rfc2544/service-management/services/7">
  <Common>
    <Name>tpt75</Name>
    <Identity>7</Identity>
    <State>Deployed</State>
    <Comments>tpt75</Comments>
    <CreatedDate>2018-12-10T14:12:37.000Z</CreatedDate>
    <LastUpdatedDate>2018-12-10T14:12:37.000Z</LastUpdatedDate>
  </Common>
  <ServiceType>RFC2544</ServiceType>
  <RFCTestStatus>Stopped</RFCTestStatus>
  <Reference>
    <ServiceOrder
uri="/api/space/nsas/rfc2544/service-management/service-orders/7"
href="/api/space/nsas/rfc2544/service-management/service-orders/7" key="7"/>

  </Reference>
</Service>
<Service key="8" uri="/api/space/nsas/rfc2544/service-management/services/8"
href="/api/space/nsas/rfc2544/service-management/services/8">
  <Common>
    <Name>laten02</Name>
    <Identity>8</Identity>

```

```

    <State>Deployed</State>
    <Comments>laten02</Comments>
    <CreatedDate>2018-12-10T15:13:43.000Z</CreatedDate>
    <LastUpdatedDate>2018-12-10T15:13:43.000Z</LastUpdatedDate>
  </Common>
  <ServiceType>RFC2544</ServiceType>
  <RFCTestStatus>Completed</RFCTestStatus>
  <Reference>
    <ServiceOrder
uri="/api/space/nsas/rfc2544/service-management/service-orders/8"
href="/api/space/nsas/rfc2544/service-management/service-orders/8" key="8"/>

    </ServiceOrder>
  </Reference>
</Service>
<Service key="9" uri="/api/space/nsas/rfc2544/service-management/services/9"
href="/api/space/nsas/rfc2544/service-management/services/9">
  <Common>
    <Name>b2b01</Name>
    <Identity>9</Identity>
    <State>Deployed</State>
    <Comments>b2b01</Comments>
    <CreatedDate>2018-12-10T15:31:11.000Z</CreatedDate>
    <LastUpdatedDate>2018-12-10T15:31:11.000Z</LastUpdatedDate>
  </Common>
  <ServiceType>RFC2544</ServiceType>
  <RFCTestStatus>Completed</RFCTestStatus>
  <Reference>
    <ServiceOrder
uri="/api/space/nsas/rfc2544/service-management/service-orders/9"
href="/api/space/nsas/rfc2544/service-management/service-orders/9" key="9"/>

    </ServiceOrder>
  </Reference>
</Service>
<Service key="10"
uri="/api/space/nsas/rfc2544/service-management/services/10"
href="/api/space/nsas/rfc2544/service-management/services/10">
  <Common>
    <Name>tpt31</Name>
    <Identity>10</Identity>
    <State>Deployed</State>
    <Comments>tpt31</Comments>
    <CreatedDate>2018-12-11T07:57:54.000Z</CreatedDate>
  </Common>

```

```

    <LastUpdatedDate>2018-12-11T07:57:54.000Z</LastUpdatedDate>
  </Common>
  <ServiceType>RFC2544</ServiceType>
  <RFCTestStatus>None</RFCTestStatus>
  <Reference>
    <ServiceOrder
uri="/api/space/nsas/rfc2544/service-management/service-orders/10"
href="/api/space/nsas/rfc2544/service-management/service-orders/10" key="10"/>

    </ServiceOrder>
  </Reference>
</Service>
</ServiceResource>
</Data>
```

Modify an RFC 2544 Service

This request is used to modify an RFC 2544-based service.

| | |
|-------------|--|
| URI | api/space/nsas/rfc2544/service-management/services/<service-id> |
| HTTP Method | POST |
| Consumes | application/vnd.netjuniper.space.service-management.service-modify+xml |
| Produces | Modifies an RFC 2544 service. |

Input

Sample XML Input

```

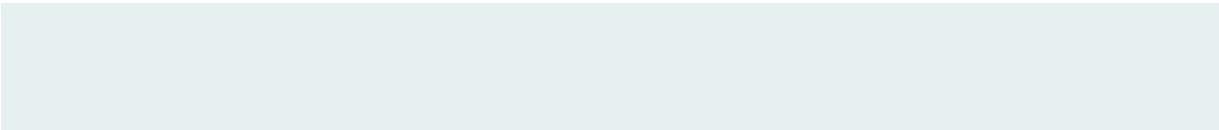
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>testModiy</Name>
      </Common>
    </ServiceOrder>
  </ServiceResource>
</Data>
```

```
<Throughput>
  <ProfileName>testModiy_throughput</ProfileName>
  <BandWidth>1000</BandWidth>
  <PacketSize>64,256,1024</PacketSize>
</Throughput>
</RFCProfileSettings>

<ServiceEndPointGroup>
</ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="ServiceCustomActionType">
  <Action>SaveAndDeployNow</Action>
  <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
</CustomAction>
</Data>
```

Output

Sample XML Output



Create an RFC 2544 Test

This request is used to create an RFC 2544 test.

| | |
|--------------|---|
| URI | api/space/nsas/rfc2544/service-management/service-orders |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-order-status+xml |
| Produces | Creates an RFC 2544 test. |

Input (CCC Family)

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>Test-ccc-API</Name>
      </Common>
      <ServiceType>RFC2544</ServiceType>
      <Action>Provisioning</Action>
      <RFCProfileSettings>
        <FrameLoss>
          <BandWidth>12</BandWidth>
          <PacketSize>3584</PacketSize>
          <StepPercent>12</StepPercent>
        </FrameLoss>
      </RFCProfileSettings>
      <ServiceEndPointGroup>
        <RFCTestConfiguration>
          <InitiatorConfiguration>
            <DeviceInfo>
              <OAM>
                <DeviceName>junos-spacel</DeviceName>
                <DeviceID>196797</DeviceID>
              </OAM>
            </DeviceInfo>
            <TestInterface>ge-0/1/2</TestInterface>
            <Family>ccc</Family>
            <SourceUDPPort>12</SourceUDPPort>
            <DestUDPPort>12</DestUDPPort>
            <Direction>ingress</Direction>
            <TestIteration>2222</TestIteration>
          </InitiatorConfiguration>
          <ReflectorConfiguration>
            <DeviceInfo>
              <OAM>
                <DeviceName>junos-space2</DeviceName>
                <DeviceID>196771</DeviceID>
              </OAM>
            </DeviceInfo>
```

```

    <TestInterface>ge-0/1/0</TestInterface>
    <Family>ccc</Family>
    <DestUDPPort>12</DestUDPPort>
    <Direction>ingress</Direction>
  </ReflectorConfiguration>
</RFCTestConfiguration>
</ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
</Data>

```

Input (INET Family)

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>Test-Inet-API</Name>
      </Common>
      <ServiceType>RFC2544</ServiceType>
      <Action>Provisioning</Action>
      <RFCProfileSettings>
        <Throughput>
          <BandWidth>12</BandWidth>
          <PacketSize>64,128,256,512</PacketSize>
        </Throughput>
        <FrameLoss>
          <BandWidth>18</BandWidth>
          <PacketSize>2496</PacketSize>
          <StepPercent>12</StepPercent>
        </FrameLoss>
        <Latency>
          <BandWidth>21</BandWidth>
          <PacketSize>2496,3584,4016</PacketSize>
        </Latency>
      </RFCProfileSettings>
    </ServiceOrder>
  </ServiceResource>
</Data>

```

```

<BacktoBackFrames>
  <BandWidth>27</BandWidth>
  <PacketSize>1024,1518,2496</PacketSize>
</BacktoBackFrames>
</RFCProfileSettings>
<ServiceEndPointGroup>
  <RFCTestConfiguration>
    <InitiatorConfiguration>
      <DeviceInfo>
        <OAM>
          <DeviceName>junos-spacel</DeviceName>
          <DeviceID>196797</DeviceID>
        </OAM>
      </DeviceInfo>
      <Family>inet</Family>
      <SourIPV4Address>1.2.3.6</SourIPV4Address>
      <SourceUDPPort>12</SourceUDPPort>
      <DestIPV4Address>4.5.6.7</DestIPV4Address>
      <DestUDPPort>12</DestUDPPort>
      <ForwardingClass>f5f5</ForwardingClass>
      <HaltonPrefixDown>true</HaltonPrefixDown>
      <SkipARPIteration>true</SkipARPIteration>
      <TestIteration>12</TestIteration>
      <DSCPCodePoint>128</DSCPCodePoint>
    </InitiatorConfiguration>
    <ReflectorConfiguration>
      <DeviceInfo>
        <OAM>
          <DeviceName>junos-space2</DeviceName>
          <DeviceID>196771</DeviceID>
        </OAM>
      </DeviceInfo>
      <TestInterface>ge-0/1/0</TestInterface>
      <Family>inet</Family>
      <SourIPV4Address>1.3.6.9</SourIPV4Address>
      <SourceUDPPort>12</SourceUDPPort>
      <DestIPV4Address>10.111.12.3</DestIPV4Address>
      <DestUDPPort>12</DestUDPPort>
      <ForwardingClass>12</ForwardingClass>
      <HaltonPrefixDown>true</HaltonPrefixDown>
      <SkipARPIteration>true</SkipARPIteration>
    </ReflectorConfiguration>
  </RFCTestConfiguration>
</ServiceEndPointGroup>

```

```

    </RFC2544TestConfiguration>
  </ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
</Data>

```

Delete an RFC 2544 Service Order

This request is used to delete an RFC 2544 service order.

| | |
|--------------|---|
| URI | api/space/nsas/rfc2544/service-management/service-orders/ <order-id> |
| HTTP Method | DELETE |
| Content Type | application/vnd.net.juniper.space.service-management. service-order+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |
| Produces | Deletes an RFC 2544 test service order. |

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>RFC2544ServiceOrder</Type>
      <Value>6553600</Value>
    </Identity>
    <Code>200</Code>
    <Message>Service order Deleted Successfully.</Message>
  </Status>

```

```
</Data>
```

Validate an RFC 2544 Service Order

This request is used to validate an RFC 2544 service order.

| | |
|--------------|--|
| URI | api/space/nsas/rfc2544/service-management/service-orders/ <order-id> |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management. service-order+xml The options must be specified in the ? Action element inside OperationSpecificData. The various options are as follows: ValidateNow (Validate now an already created SO) ValidateLater (Validate later an already created SO) |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |
| Produces | Validates an RFC 2544 test service order. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">  
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
    xsi:type="ServiceOrderCustomActionType">  
    <Action>ValidateNow</Action>  
  </CustomAction>  
</Data>
```

Deploy an RFC 2544 Service Order

This request is used to deploy an RFC 2544 service order.

| | |
|--------------|--|
| URI | api/space/nsas/rfc2544/service-management/service-orders/ <order-id> |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management. service-order+xml The options must be specified in the <code>Action</code> element inside <code>OperationSpecificData</code> . The various options are as follows: DeployNow (Deploy an already created SO) DeployLater (Deploy Later an already created SO) |
| Consumes | application/vnd.net.juniper.space.service-management. service-order-status+xml |
| Produces | Deploys an RFC 2544 test service order. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="ServiceOrderCustomActionType">
    <Action>DeployNow</Action>
  </CustomAction>
</Data>
```

Start an RFC 2544 Test

This request is used to commence an RFC 2544 test.

| | |
|--------------|---|
| URI | /api/space/nsas/rfc2544/service-management/services/137073/start-test |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.start-test+xml |
| Produces | Starts an RFC 2544 test. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource />
  <Status>
    <Identity />
    <Code>200</Code>
    <Message>The RFC Test Started Successfully.</Message>
  </Status>
</Data>
```

Stop an RFC 2544 Test

This request is used to stop an RFC 2544 test.

| | |
|--------------|--|
| URI | /api/space/nsas/rfc2544/service-management/services/137073/stop-test |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.stop-test+xml |

| | |
|----------|----------------------------|
| Produces | Stops an RFC 2544 service. |
|----------|----------------------------|

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource />
  <Status>
    <Identity />
    <Code>200</Code>
    <Message>The RFC Test Stop requested Successfully.</Message>
  </Status>
</Data>
```

Modify an RFC 2544 Service to Add Methodology

This request is used to modify an RFC 2544 service to add methodology.

| | |
|--------------|--|
| URI | /api/space/nsas/rfc2544/service-management/ services/137073/add-methodology |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management. service-modify+xml |
| Produces | Modifies an RFC 2544 service. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
```

```
<ServiceResource>
  <ServiceOrder>
    <Common>
      <Name>testModiy</Name>
    </Common>
  <RFCProfileSettings>
    <Latency>
      <ProfileName>tes_latency</ProfileName>
      <BandWidth>10000</BandWidth>
      <PacketSize>64,128,256</PacketSize>
    </Latency>
    <BacktoBackFrames>
      <ProfileName>test_back-back-frames</ProfileName>
      <BandWidth>10000</BandWidth>
      <PacketSize>128,256,512,768</PacketSize>
    </BacktoBackFrames>
  </RFCProfileSettings>

  <ServiceEndPointGroup>

</ServiceEndPointGroup>

</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="ServiceCustomActionType">
  <Action>SaveAndDeployNow</Action>
  <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
</CustomAction>
</Data>
```

Decommission an RFC 2544 Service

This request is used to decommission a previously created RFC 2544 service.

| | |
|-----|---|
| URI | api/space/rfc2544/service-management/ services/{serviceId} |
|-----|---|

| | |
|--------------|--|
| HTTP Method | DELETE |
| Content-Type | application/vnd.net.juniper.space.service-management.service+xml |
| Produces | Decommissions a previously created RFC 2544 service. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>RFC2544Services</Type>
      <Value>6553600</Value>
    </Identity>
    <Code>200</Code>
    <Message>Services Deleted Successfully.</Message>
  </Status>
</Data>
```

View the Results of an RFC 2544 Test

This request is used to display the results of an RFC 2544 test.

| | |
|--------------|--|
| URI | /api/space/nsas/rfc2544/service-management/services/137073/view-result |
| HTTP Method | GET |
| Content Type | application/vnd.net.juniper.space.service-management.services+xml |
| Produces | Displays the results of an RFC 2544 test. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource/>
  <RFC2544TestResult>
    <TestSummary>
      <InitiatorDeviceName>acx2000a</InitiatorDeviceName>
      <ReflectorDeviceName>acx2000b</ReflectorDeviceName>
      <StartTime>2018-12-11 10:49:44 UTC</StartTime>
      <RFCServiceName>fm01_RFCTest</RFCServiceName>
      <EndTime>2018-12-11 10:50:58 UTC</EndTime>
      <Status>RFC2544_TEST_STATE_STOPPED</Status>
    </TestSummary>
    <FrameLossTestResult>
      <Status>RFC2544_TEST_STATE_STOPPED</Status>
      <Results>
        <Result>
          <PacketSize>512</PacketSize>
          <Rows>
            <Row>
              <Parameters>
                <Parameter>
                  <Name>Iteration Count</Name>
                  <Value>1</Value>
                </Parameter>
                <Parameter>
                  <Name>Duration</Name>
                  <Value>30</Value>
                </Parameter>
                <Parameter>
                  <Name>TX Packet</Name>
                  <Value>17610</Value>
                </Parameter>
                <Parameter>
                  <Name>RX Packet</Name>
                  <Value>17610</Value>
                </Parameter>
                <Parameter>
                  <Name>TX Bytes</Name>
                  <Value>9016320</Value>
                </Parameter>
                <Parameter>

```

```

        <Name>RX Bytes</Name>
        <Value>9016320</Value>
    </Parameter>
    <Parameter>
        <Name>PPS</Name>
        <Value>587</Value>
    </Parameter>
    <Parameter>
        <Name>Bandwidth</Name>
        <Value>2500</Value>
    </Parameter>
    <Parameter>
        <Name>ThrouthPut %</Name>
        <Value>100</Value>
    </Parameter>
    <Parameter>
        <Name>Frameloss %</Name>
        <Value>0</Value>
    </Parameter>
</Parameters>
</Row>
<Row>
    <Parameters>
        <Parameter>
            <Name>Iteration Count</Name>
            <Value>2</Value>
        </Parameter>
        <Parameter>
            <Name>Duration</Name>
            <Value>30</Value>
        </Parameter>
        <Parameter>
            <Name>TX Packet</Name>
            <Value>17610</Value>
        </Parameter>
        <Parameter>
            <Name>RX Packet</Name>
            <Value>17610</Value>
        </Parameter>
        <Parameter>
            <Name>TX Bytes</Name>
            <Value>9016320</Value>

```

```

        </Parameter>
        <Parameter>
            <Name>RX Bytes</Name>
            <Value>9016320</Value>
        </Parameter>
        <Parameter>
            <Name>PPS</Name>
            <Value>587</Value>
        </Parameter>
        <Parameter>
            <Name>Bandwidth</Name>
            <Value>2500</Value>
        </Parameter>
        <Parameter>
            <Name>ThrouthPut %</Name>
            <Value>100</Value>
        </Parameter>
        <Parameter>
            <Name>Frameloss %</Name>
            <Value>0</Value>
        </Parameter>
    </Parameters>
</Row>
<Row>
    <Parameters>
        <Parameter>
            <Name>Iteration Count</Name>
            <Value>3</Value>
        </Parameter>
        <Parameter>
            <Name>Duration</Name>
            <Value>30</Value>
        </Parameter>
        <Parameter>
            <Name>TX Packet</Name>
            <Value>3131</Value>
        </Parameter>
        <Parameter>
            <Name>RX Packet</Name>
            <Value>3129</Value>
        </Parameter>
        <Parameter>

```

```

        <Name>TX Bytes</Name>
        <Value>1603072</Value>
    </Parameter>
    <Parameter>
        <Name>RX Bytes</Name>
        <Value>1602048</Value>
    </Parameter>
    <Parameter>
        <Name>PPS</Name>
        <Value>587</Value>
    </Parameter>
    <Parameter>
        <Name>Bandwidth</Name>
        <Value>2500</Value>
    </Parameter>
    <Parameter>
        <Name>ThrouthPut %</Name>
        <Value>100</Value>
    </Parameter>
    <Parameter>
        <Name>Frameloss %</Name>
        <Value>0</Value>
    </Parameter>
</Parameters>
</Row>
</Rows>
</Result>
</Results>
<Summary>
    <TestProfileConfig>
        <TestProfileName>fm01_frame-loss</TestProfileName>
        <TestPacketSize>512</TestPacketSize>
        <TheroticalMaxBandwidth>2500</TheroticalMaxBandwidth>
    </TestProfileConfig>
    <TestConfig>
        <TestMode>initiate-and-terminate</TestMode>
        <TestDurationInSeconds>30</TestDurationInSeconds>
        <TestFamily>ccc</TestFamily>
    </TestConfig>
    <CCCFamilyConfig>
        <EgressInterface>ge-0/1/6.1992</EgressInterface>
        <SourceUDPPort>4003</SourceUDPPort>
    </CCCFamilyConfig>
</Summary>

```

```
        <DestinationUDPPort>4003</DestinationUDPPort>
      </CCCFamilyConfig>
    </Summary>
  </FrameLossTestResult>
</RFC2544TestResult>
</Data>
```

View the MOS of an RFC 2544 Test

This request is used to display the mean opinion score (MOS) of an RFC 2544 test.

| | |
|--------------|---|
| URI | /api/space/nsas/rfc2544/service-management/ services/137073/view-mos |
| HTTP Method | GET |
| Content Type | application/vnd.net.juniper.space.service-management. services+xml |
| Produces | Displays the MOS of an RFC 2544 test. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <RFCLatencyCalculateMOS>
    <MOSCalculation>
      <PacketSize>256</PacketSize>
      <Parameter>
        <Name>Electric Circuit Noise</Name>
        <Value>-70</Value>
        <Dimension>dBmOp</Dimension>
      </Parameter>
      <Parameter>
        <Name>Noise Floor</Name>
        <Value>-64</Value>
```

```

    <Dimension>dBmOp</Dimension>
</Parameter>
<Parameter>
    <Name>Room Noise(Send)</Name>
    <Value>35</Value>
    <Dimension>dB(A)</Dimension>
</Parameter>
<Parameter>
    <Name>Room Noise(Receive)</Name>
    <Value>35</Value>
    <Dimension>dB(A)</Dimension>
</Parameter>
<Parameter>
    <Name>Sent Loudness Rating</Name>
    <Value>8</Value>
    <Dimension>dB</Dimension>
</Parameter>
<Parameter>
    <Name>Receive Loudness Rating</Name>
    <Value>2</Value>
    <Dimension>dB</Dimension>
</Parameter>
<Parameter>
    <Name>Sidetone Masking Rating</Name>
    <Value>15</Value>
    <Dimension>dB</Dimension>
</Parameter>
<Parameter>
    <Name>D-Factor(Receive)</Name>
    <Value>3</Value>
</Parameter>
<Parameter>
    <Name>Listener's Sidetone Rating</Name>
    <Value>18</Value>
    <Dimension>dB</Dimension>
</Parameter>
<Parameter>
    <Name>D-Factor(Send)</Name>
    <Value>3</Value>
</Parameter>
<Parameter>
    <Name>Mean One-Way Delay</Name>

```

```

    <Value>0</Value>
    <Dimension>ms</Dimension>
</Parameter>
<Parameter>
    <Name>Absolute Delay from (S) to (R)</Name>
    <Value>0</Value>
    <Dimension>ms</Dimension>
</Parameter>
<Parameter>
    <Name>Round Trip Delay</Name>
    <Value>0.0224</Value>
    <Dimension>ms</Dimension>
</Parameter>
<Parameter>
    <Name>Talker Echo Loudness Rating</Name>
    <Value>65</Value>
    <Dimension>dB</Dimension>
</Parameter>
<Parameter>
    <Name>Weighted Echo Path Loss</Name>
    <Value>110</Value>
    <Dimension>dB</Dimension>
</Parameter>
<Parameter>
    <Name>Quantizing Distortion Units</Name>
    <Value>1</Value>
</Parameter>
<Parameter>
    <Name>Equipment Impairment Factor</Name>
    <Value>0</Value>
</Parameter>
<Parameter>
    <Name>Packet-loss Robustness Factor</Name>
    <Value>4.3</Value>
</Parameter>
<Parameter>
    <Name>Packet-loss Probability</Name>
    <Value>0.0</Value>
</Parameter>
<Parameter>
    <Name>Burst Ratio</Name>
    <Value>1</Value>

```

```

</Parameter>
<Parameter>
  <Name>Advantage Factor</Name>
  <Value>0</Value>
</Parameter>
<Results>
  <CalculatedR-Factor>75.1022</CalculatedR-Factor>
  <MeanOpinionScore>3.83</MeanOpinionScore>
</Results>
</MOSCalculation>
<MOSCalculation>
  <PacketSize>512</PacketSize>
  <Parameter>
    <Name>Electric Circuit Noise</Name>
    <Value>-70</Value>
    <Dimension>dBmOp</Dimension>
  </Parameter>
  <Parameter>
    <Name>Noise Floor</Name>
    <Value>-64</Value>
    <Dimension>dBmOp</Dimension>
  </Parameter>
  <Parameter>
    <Name>Room Noise(Send)</Name>
    <Value>35</Value>
    <Dimension>dB(A)</Dimension>
  </Parameter>
  <Parameter>
    <Name>Room Noise(Receive)</Name>
    <Value>35</Value>
    <Dimension>dB(A)</Dimension>
  </Parameter>
  <Parameter>
    <Name>Sent Loudness Rating</Name>
    <Value>8</Value>
    <Dimension>dB</Dimension>
  </Parameter>
  <Parameter>
    <Name>Receive Loudness Rating</Name>
    <Value>2</Value>
    <Dimension>dB</Dimension>
  </Parameter>

```

```

<Parameter>
  <Name>Sidetone Masking Rating</Name>
  <Value>15</Value>
  <Dimension>dB</Dimension>
</Parameter>
<Parameter>
  <Name>D-Factor (Receive)</Name>
  <Value>3</Value>
</Parameter>
<Parameter>
  <Name>Listener's Sidetone Rating</Name>
  <Value>18</Value>
  <Dimension>dB</Dimension>
</Parameter>
<Parameter>
  <Name>D-Factor (Send)</Name>
  <Value>3</Value>
</Parameter>
<Parameter>
  <Name>Mean One-Way Delay</Name>
  <Value>0</Value>
  <Dimension>ms</Dimension>
</Parameter>
<Parameter>
  <Name>Absolute Delay from (S) to (R)</Name>
  <Value>0</Value>
  <Dimension>ms</Dimension>
</Parameter>
<Parameter>
  <Name>Round Trip Delay</Name>
  <Value>0.0224</Value>
  <Dimension>ms</Dimension>
</Parameter>
<Parameter>
  <Name>Talker Echo Loudness Rating</Name>
  <Value>65</Value>
  <Dimension>dB</Dimension>
</Parameter>
<Parameter>
  <Name>Weighted Echo Path Loss</Name>
  <Value>110</Value>
  <Dimension>dB</Dimension>

```

```

</Parameter>
<Parameter>
  <Name>Quantizing Distortion Units</Name>
  <Value>1</Value>
</Parameter>
<Parameter>
  <Name>Equipment Impairment Factor</Name>
  <Value>0</Value>
</Parameter>
<Parameter>
  <Name>Packet-loss Robustness Factor</Name>
  <Value>4.3</Value>
</Parameter>
<Parameter>
  <Name>Packet-loss Probability</Name>
  <Value>0.0</Value>
</Parameter>
<Parameter>
  <Name>Burst Ratio</Name>
  <Value>1</Value>
</Parameter>
<Parameter>
  <Name>Advantage Factor</Name>
  <Value>0</Value>
</Parameter>
<Results>
  <CalculatedR-Factor>75.1022</CalculatedR-Factor>
  <MeanOpinionScore>3.83</MeanOpinionScore>
</Results>
</MOSCalculation>
<MOSCalculation>
  <PacketSize>128</PacketSize>
  <Parameter>
    <Name>Electric Circuit Noise</Name>
    <Value>-70</Value>
    <Dimension>dBmOp</Dimension>
  </Parameter>
  <Parameter>
    <Name>Noise Floor</Name>
    <Value>-64</Value>
    <Dimension>dBmOp</Dimension>
  </Parameter>

```

```

<Parameter>
  <Name>Room Noise(Send)</Name>
  <Value>35</Value>
  <Dimension>dB(A)</Dimension>
</Parameter>
<Parameter>
  <Name>Room Noise(Receive)</Name>
  <Value>35</Value>
  <Dimension>dB(A)</Dimension>
</Parameter>
<Parameter>
  <Name>Sent Loudness Rating</Name>
  <Value>8</Value>
  <Dimension>dB</Dimension>
</Parameter>
<Parameter>
  <Name>Receive Loudness Rating</Name>
  <Value>2</Value>
  <Dimension>dB</Dimension>
</Parameter>
<Parameter>
  <Name>Sidetone Masking Rating</Name>
  <Value>15</Value>
  <Dimension>dB</Dimension>
</Parameter>
<Parameter>
  <Name>D-Factor(Receive)</Name>
  <Value>3</Value>
</Parameter>
<Parameter>
  <Name>Listener's Sidetone Rating</Name>
  <Value>18</Value>
  <Dimension>dB</Dimension>
</Parameter>
<Parameter>
  <Name>D-Factor(Send)</Name>
  <Value>3</Value>
</Parameter>
<Parameter>
  <Name>Mean One-Way Delay</Name>
  <Value>0</Value>
  <Dimension>ms</Dimension>

```

```

</Parameter>
<Parameter>
  <Name>Absolute Delay from (S) to (R)</Name>
  <Value>0</Value>
  <Dimension>ms</Dimension>
</Parameter>
<Parameter>
  <Name>Round Trip Delay</Name>
  <Value>0.0224</Value>
  <Dimension>ms</Dimension>
</Parameter>
<Parameter>
  <Name>Talker Echo Loudness Rating</Name>
  <Value>65</Value>
  <Dimension>dB</Dimension>
</Parameter>
<Parameter>
  <Name>Weighted Echo Path Loss</Name>
  <Value>110</Value>
  <Dimension>dB</Dimension>
</Parameter>
<Parameter>
  <Name>Quantizing Distortion Units</Name>
  <Value>1</Value>
</Parameter>
<Parameter>
  <Name>Equipment Impairment Factor</Name>
  <Value>0</Value>
</Parameter>
<Parameter>
  <Name>Packet-loss Robustness Factor</Name>
  <Value>4.3</Value>
</Parameter>
<Parameter>
  <Name>Packet-loss Probability</Name>
  <Value>0.0</Value>
</Parameter>
<Parameter>
  <Name>Burst Ratio</Name>
  <Value>1</Value>
</Parameter>
<Parameter>

```

```
<Name>Advantage Factor</Name>
<Value>0</Value>
</Parameter>
<Results>
  <CalculatedR-Factor>75.1022</CalculatedR-Factor>
  <MeanOpinionScore>3.83</MeanOpinionScore>
</Results>
</MOSCalculation>
</RFCLatencyCalculateMOS>
</Data>
```

Calculate the MOS of an RFC 2544 Test

This request is used to calculate the mean opinion score (MOS) of an RFC 2544 test. Mean Opinion Score (MOS) is a metric used within the telecommunications industry to assess voice quality.

| | |
|--------------|--|
| URI | /api/space/nsas/rfc2544/service-management/services/137073/calculate-mos |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.mos-calculate+xml |
| Produces | Displays the MOS of an RFC 2544 test. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <RFCLatencyCalculateMOS>
    <MOSCalculation>
      <PacketSize>256</PacketSize>
      <Parameter>
```

```

    <Name>Electric Circuit Noise</Name>
    <Value>-70</Value>
    <Dimension>dBmOp</Dimension>
</Parameter>
<Parameter>
    <Name>Noise Floor</Name>
    <Value>-64</Value>
    <Dimension>dBmOp</Dimension>
</Parameter>
<Parameter>
    <Name>Room Noise(Send)</Name>
    <Value>45</Value>
    <Dimension>dB(A)</Dimension>
</Parameter>
<Parameter>
    <Name>Room Noise(Receive)</Name>
    <Value>45</Value>
    <Dimension>dB(A)</Dimension>
</Parameter>
<Parameter>
    <Name>Sent Loudness Rating</Name>
    <Value>8</Value>
    <Dimension>dB</Dimension>
</Parameter>
<Parameter>
    <Name>Receive Loudness Rating</Name>
    <Value>2</Value>
    <Dimension>dB</Dimension>
</Parameter>
<Parameter>
    <Name>Sidetone Masking Rating</Name>
    <Value>15</Value>
    <Dimension>dB</Dimension>
</Parameter>
<Parameter>
    <Name>D-Factor(Receive)</Name>
    <Value>3</Value>
</Parameter>
<Parameter>
    <Name>Listener's Sidetone Rating</Name>
    <Value>18</Value>
    <Dimension>dB</Dimension>

```

```

</Parameter>
<Parameter>
  <Name>D-Factor (Send)</Name>
  <Value>3</Value>
</Parameter>
<Parameter>
  <Name>Mean One-Way Delay</Name>
  <Value>0</Value>
  <Dimension>ms</Dimension>
</Parameter>
<Parameter>
  <Name>Absolute Delay from (S) to (R)</Name>
  <Value>0</Value>
  <Dimension>ms</Dimension>
</Parameter>
<Parameter>
  <Name>Round Trip Delay</Name>
  <Value>0.0224</Value>
  <Dimension>ms</Dimension>
</Parameter>
<Parameter>
  <Name>Talker Echo Loudness Rating</Name>
  <Value>65</Value>
  <Dimension>dB</Dimension>
</Parameter>
<Parameter>
  <Name>Weighted Echo Path Loss</Name>
  <Value>110</Value>
  <Dimension>dB</Dimension>
</Parameter>
<Parameter>
  <Name>Quantizing Distortion Units</Name>
  <Value>1</Value>
</Parameter>
<Parameter>
  <Name>Equipment Impairment Factor</Name>
  <Value>0</Value>
</Parameter>
<Parameter>
  <Name>Packet-loss Robustness Factor</Name>
  <Value>4.3</Value>
</Parameter>

```

```

    <Parameter>
      <Name>Packet-loss Probability</Name>
      <Value>0.0</Value>
    </Parameter>
    <Parameter>
      <Name>Burst Ratio</Name>
      <Value>1</Value>
    </Parameter>
    <Parameter>
      <Name>Advantage Factor</Name>
      <Value>0</Value>
    </Parameter>
  </MOSCalculation>
</RFCLatencyCalculateMOS>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <RFCLatencyCalculateMOS>
    <MOSCalculation>
      <PacketSize>256</PacketSize>
      <Parameter>
        <Name>Electric Circuit Noise</Name>
        <Value>-70</Value>
        <Dimension>dBmOp</Dimension>
      </Parameter>
      <Parameter>
        <Name>Noise Floor</Name>
        <Value>-64</Value>
        <Dimension>dBmOp</Dimension>
      </Parameter>
      <Parameter>
        <Name>Room Noise(Send)</Name>
        <Value>45</Value>

```

```

    <Dimension>dB(A)</Dimension>
  </Parameter>
  <Parameter>
    <Name>Room Noise(Receive)</Name>
    <Value>45</Value>
    <Dimension>dB(A)</Dimension>
  </Parameter>
  <Parameter>
    <Name>Sent Loudness Rating</Name>
    <Value>8</Value>
    <Dimension>dB</Dimension>
  </Parameter>
  <Parameter>
    <Name>Receive Loudness Rating</Name>
    <Value>2</Value>
    <Dimension>dB</Dimension>
  </Parameter>
  <Parameter>
    <Name>Sidetone Masking Rating</Name>
    <Value>15</Value>
    <Dimension>dB</Dimension>
  </Parameter>
  <Parameter>
    <Name>D-Factor(Receive)</Name>
    <Value>3</Value>
  </Parameter>
  <Parameter>
    <Name>Listener's Sidetone Rating</Name>
    <Value>18</Value>
    <Dimension>dB</Dimension>
  </Parameter>
  <Parameter>
    <Name>D-Factor(Send)</Name>
    <Value>3</Value>
  </Parameter>
  <Parameter>
    <Name>Mean One-Way Delay</Name>
    <Value>0</Value>
    <Dimension>ms</Dimension>
  </Parameter>
  <Parameter>
    <Name>Absolute Delay from (S) to (R)</Name>

```

```

    <Value>0</Value>
    <Dimension>ms</Dimension>
</Parameter>
<Parameter>
    <Name>Round Trip Delay</Name>
    <Value>0.0224</Value>
    <Dimension>ms</Dimension>
</Parameter>
<Parameter>
    <Name>Talker Echo Loudness Rating</Name>
    <Value>65</Value>
    <Dimension>dB</Dimension>
</Parameter>
<Parameter>
    <Name>Weighted Echo Path Loss</Name>
    <Value>110</Value>
    <Dimension>dB</Dimension>
</Parameter>
<Parameter>
    <Name>Quantizing Distortion Units</Name>
    <Value>1</Value>
</Parameter>
<Parameter>
    <Name>Equipment Impairment Factor</Name>
    <Value>0</Value>
</Parameter>
<Parameter>
    <Name>Packet-loss Robustness Factor</Name>
    <Value>4.3</Value>
</Parameter>
<Parameter>
    <Name>Packet-loss Probability</Name>
    <Value>0.0</Value>
</Parameter>
<Parameter>
    <Name>Burst Ratio</Name>
    <Value>1</Value>
</Parameter>
<Parameter>
    <Name>Advantage Factor</Name>
    <Value>0</Value>
</Parameter>

```

```
<Results>
  <CalculatedR-Factor>85.1142</CalculatedR-Factor>
  <MeanOpinionScore>4.2</MeanOpinionScore>
</Results>
</MOSCalculation>
</RFCLatencyCalculateMOS>
</Data>
```

Create an RFC 2544 Service from Network Activate Services

This request is used to create an RFC 2544 service from an NA service.

| | |
|--------------|---|
| URI | api/space/nsas/eline-ptp/service-management/ services/rfc2544/<servId> |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.service+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml |
| Produces | Creates an RFC 2544 service from NA service. |

Input (Default)

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <ServiceEndPointGroup>
        <RFCTestConfiguration>
          <InitiatorConfiguration>
            <DeviceInfo>
```

```

    <NA>
    <DeviceName>junos-space1</DeviceName>
    <DeviceID>524379</DeviceID>
  </NA>
</DeviceInfo>
<Direction>ingress</Direction>
</InitiatorConfiguration>
<ReflectorConfiguration>
  <DeviceInfo>
    <NA>
    <DeviceName>junos-space2</DeviceName>
    <DeviceID>524418</DeviceID>
  </NA>
</DeviceInfo>
<Direction>ingress</Direction>
</ReflectorConfiguration>
</RFCTestConfiguration>
</ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
</Data>

```

Input (User-Defined)

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>NA-RFC</Name>
      </Common>
      <RFCProfileSettings>
        <FrameLoss>
          <BandWidth>12</BandWidth>
          <PacketSize>3584</PacketSize>
          <StepPercent>12</StepPercent>
        </FrameLoss>
      </RFCProfileSettings>
    </ServiceOrder>
  </ServiceResource>
</Data>

```

```

    </FrameLoss>
  </RFCProfileSettings>
  <ServiceEndPointGroup>
    <RFCTestConfiguration>
      <InitiatorConfiguration>
        <DeviceInfo>
          <NA>
            <DeviceName>junos-space1</DeviceName>
            <DeviceID>524379</DeviceID>
          </NA>
        </DeviceInfo>
        <SourIPv4Address>1.2.3.6</SourIPv4Address>
        <SourceUDPPort>12</SourceUDPPort>
        <DestIPv4Address>12.3.6.9</DestIPv4Address>
        <DestUDPPort>12</DestUDPPort>
        <Direction>ingress</Direction>
        <SkipARPIteration>true</SkipARPIteration>
        <TestIteration>2222</TestIteration>
      </InitiatorConfiguration>
      <ReflectorConfiguration>
        <DeviceInfo>
          <NA>
            <DeviceName>junos-space2</DeviceName>
            <DeviceID>524418</DeviceID>
          </NA>
        </DeviceInfo>
        <SourIPv4Address>1.2.3.6</SourIPv4Address>
        <SourceUDPPort>12</SourceUDPPort>
        <DestIPv4Address>12.3.6.9</DestIPv4Address>
        <DestUDPPort>12</DestUDPPort>
        <Direction>ingress</Direction>
        <SkipARPIteration>true</SkipARPIteration>
      </ReflectorConfiguration>
    </RFCTestConfiguration>
  </ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>RFCServiceOrder</Type>
      <Value>360448</Value>
    </Identity>
    <Job>
      <ID>655370</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The RFC Service Order Created Successfully and Validation is
      in Progress. Please check the status using the JOB ID.</Message>
    </Status>
  </Data>
```

Timing Devices Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director Timing Devices Management RESTful Web Services.

Get All Timing Devices

This request is used to collect all the Timing devices.

| | |
|-------------|--|
| URI | api/space/nsas/prestage-timing-device/manage-devices/ devices |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.manage-devices.ta-devices+xml |
| Produces | Retrieves all the Timing devices that are managed and provisioned by the application. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Devices>
    <Device
      href="/api/space/nsas/prestage-timing-device/manage-devices/devices/83"
      uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/83"
      key="83">
      <Common>
        <Name>embassy</Name>
        <Identity>83</Identity>
        <State>PTP</State>
      </Common>
      <ManagementAddress>10.216.114.109</ManagementAddress>
      <LoopBackAddress>50.1.2.4/32</LoopBackAddress>
    </Device>
    <Device
      href="/api/space/nsas/prestage-timing-device/manage-devices/devices/186"
      uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/186"
      key="186">
      <Common>
        <Name>junos-space1</Name>
        <Identity>186</Identity>
        <State>SYNCE</State>
      </Common>
      <ManagementAddress>10.216.114.119</ManagementAddress>
      <LoopBackAddress>30.1.2.7/32</LoopBackAddress>
    </Device>
    <Device
      href="/api/space/nsas/prestage-timing-device/manage-devices/devices/143"
      uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/143"
      key="143">
      <Common>
        <Name>junos-space2</Name>
        <Identity>143</Identity>
        <State>SYNCE</State>
      </Common>
      <ManagementAddress>10.216.114.120</ManagementAddress>
      <LoopBackAddress>30.1.2.8/32</LoopBackAddress>
    </Device>
```

```
<Device
  href="/api/space/nsas/prestage-timing-device/manage-devices/devices/48"
  uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/48"
  key="48">
  <Common>
    <Name>junos-space3</Name>
    <Identity>48</Identity>
    <State>SYNCE</State>
  </Common>
  <ManagementAddress>10.216.114.121</ManagementAddress>
  <LoopBackAddress>127.0.0.1/32</LoopBackAddress>
</Device>
<Device
  href="/api/space/nsas/prestage-timing-device/manage-devices/devices/3"
  uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/3"
  key="3">
  <Common>
    <Name>junos-space5</Name>
    <Identity>3</Identity>
    <State>SYNCE</State>
  </Common>
  <ManagementAddress>10.216.114.123</ManagementAddress>
  <LoopBackAddress>30.1.2.11/32</LoopBackAddress>
</Device>
</Devices>
</Data>
```

Get Timing Devices By Device ID

This request is used to retrieve a Timing device based on the device ID.

| | |
|-------------|--|
| URI | api/space/nsas/prestage-Timing-device/manage-devices/ devices/<pe-deviceId> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.manage-devices.ta-devices+xml |
| Produces | Retrieves the Timing device based on the device ID. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Devices>
    <Device
      href="/api/space/nsas/prestage-timing-device/manage-devices/devices/83"
      uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/83"
      key="83">
      <Common>
        <Name>embassy</Name>
        <Identity>83</Identity>
        <State>PTP</State>
      </Common>
      <ManagementAddress>10.216.114.109</ManagementAddress>
      <LoopBackAddress>50.1.2.4/32</LoopBackAddress>
      <Role>PTP</Role>
      <Ports>
        <Port>
          <Name>xe-0/0/0</Name>
        </Port>
        <Port>
          <Name>xe-0/0/1</Name>
        </Port>
        <Port>
          <Name>xe-0/0/2</Name>
        </Port>
        <Port>
          <Name>xe-0/0/3</Name>
        </Port>
        <Port>
          <Name>ge-1/0/0</Name>
          <IPAddress>40.1.3.1</IPAddress>
        </Port>
        <Port>
          <Name>ge-1/0/1</Name>
        </Port>
        <Port>
          <Name>ge-1/0/2</Name>
          <IPAddress>40.1.2.1</IPAddress>
        </Port>
      </Ports>
    </Device>
  </Devices>
</Data>
```

```
<Port>
  <Name>ge-1/0/3</Name>
</Port>
<Port>
  <Name>ge-1/0/4</Name>
</Port>
<Port>
  <Name>ge-1/0/5</Name>
</Port>
<Port>
  <Name>ge-1/0/6</Name>
</Port>
<Port>
  <Name>ge-1/0/7</Name>
</Port>
<Port>
  <Name>ge-1/0/8</Name>
</Port>
<Port>
  <Name>ge-1/0/9</Name>
</Port>
<Port>
  <Name>ge-1/1/0</Name>
</Port>
<Port>
  <Name>ge-1/1/1</Name>
</Port>
<Port>
  <Name>ge-1/1/2</Name>
</Port>
<Port>
  <Name>ge-1/1/3</Name>
</Port>
<Port>
  <Name>ge-1/1/4</Name>
</Port>
<Port>
  <Name>ge-1/1/5</Name>
</Port>
<Port>
  <Name>ge-1/1/6</Name>
</Port>
```

```
<Port>
  <Name>ge-1/1/7</Name>
</Port>
<Port>
  <Name>ge-1/1/8</Name>
</Port>
<Port>
  <Name>ge-1/1/9</Name>
</Port>
<Port>
  <Name>xe-1/2/0</Name>
</Port>
<Port>
  <Name>xe-1/3/0</Name>
</Port>
<Port>
  <Name>ge-1/0/0.0</Name>
  <IPAddress>40.1.3.1</IPAddress>
</Port>
<Port>
  <Name>ge-1/0/1.111</Name>
  <IPAddress>10.0.99.201</IPAddress>
</Port>
<Port>
  <Name>ge-1/0/1.234</Name>
  <IPAddress>10.0.99.185</IPAddress>
</Port>
<Port>
  <Name>ge-1/0/1.534</Name>
  <IPAddress>10.0.99.169</IPAddress>
</Port>
<Port>
  <Name>ge-1/0/1.567</Name>
</Port>
<Port>
  <Name>ge-1/0/1.781</Name>
</Port>
<Port>
  <Name>ge-1/0/2.0</Name>
  <IPAddress>40.1.2.1</IPAddress>
</Port>
<Port>
```

```
<Name>ge-1/0/3.96</Name>
</Port>
<Port>
  <Name>ge-1/0/4.1</Name>
</Port>
<Port>
  <Name>ge-1/0/4.2</Name>
</Port>
<Port>
  <Name>ge-1/0/4.3</Name>
</Port>
<Port>
  <Name>ge-1/0/4.12</Name>
</Port>
<Port>
  <Name>ge-1/0/4.45</Name>
</Port>
<Port>
  <Name>ge-1/0/4.1245</Name>
</Port>
<Port>
  <Name>ge-1/0/5.122</Name>
</Port>
<Port>
  <Name>ge-1/0/6.56</Name>
</Port>
<Port>
  <Name>ge-1/0/7.1</Name>
  <IPAddress>10.0.99.1</IPAddress>
</Port>
<Port>
  <Name>ge-1/0/7.512</Name>
</Port>
<Port>
  <Name>ge-1/0/9.2</Name>
</Port>
<Port>
  <Name>ge-1/1/0.2</Name>
</Port>
<Port>
  <Name>ge-1/1/0.3</Name>
</Port>
```

```
<Port>
  <Name>ge-1/1/0.5</Name>
</Port>
<Port>
  <Name>ge-1/1/0.56</Name>
</Port>
<Port>
  <Name>ge-1/1/1.1</Name>
</Port>
<Port>
  <Name>ge-1/1/1.2</Name>
</Port>
<Port>
  <Name>ge-1/1/2.1</Name>
</Port>
<Port>
  <Name>ge-1/1/3.612</Name>
</Port>
<Port>
  <Name>ge-1/1/3.781</Name>
</Port>
<Port>
  <Name>ge-1/1/5.1</Name>
</Port>
<Port>
  <Name>ge-1/1/7.18</Name>
</Port>
<Port>
  <Name>xe-0/0/2.1</Name>
</Port>
</Ports>
</Device>
</Devices>
</Data>
```

Configure Timing Devices for Synchronous Ethernet and PTP

This request is used to configure timing devices for Synchronous Ethernet and PTP.

| | |
|--------------|--|
| URI | /api/space/nsas/prestage-timing-device/manage-devices/devices/config |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.device-management.device-config+xml |
| Consumes | application/vnd.net.juniper.space.device-management.device-config-status+xml |
| Produces | Configures timing devices for Synchronous Ethernet and PTP. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="services.schema.networkapi.jmp.juniper.net
REST_Data_Model.xsd ">
  <ServiceResource size="0">
    <SyncEDeviceConfig>
      <General>
        <CurrentServiceType>PTP</CurrentServiceType>
        <NewServiceType>SYNcE</NewServiceType>
        <Platform>All</Platform>
        <Model>ALL</Model>
      </General>
      <Devices>

      <TimingDevice
href="/api/space/nsas/prestage-timing-device/manage-devices/devices/98621"
uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/98621"
key="98621" xsi:type="DeviceIdType">
        <DeviceName>embassy</DeviceName>
```

```

        <DeviceID>98621</DeviceID>
    </TimingDevice>
<TimingDevice
href="/api/space/nsas/prestage-timing-device/manage-devices/devices/98712"
uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/98712"
key="98712" xsi:type="DeviceIdType">
    <DeviceName>junos-mx240-space</DeviceName>
    <DeviceID>98712</DeviceID>
</TimingDevice>
</Devices>
</SyncEDeviceConfig>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<Data>
  <Status>
    <Code>200</Code>
    <Message>Devices are configured successfully</Message>
  </Status>
</Data>

```

PTP Service Definitions Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director Precision Time Protocol (PTP) Service Definitions Management RESTful Web Services.

Get a PTP Service Definition By Service Definition ID

This request is used to retrieve the details of a particular PTP service definition, based on the service definition ID.

| | |
|-------------|---|
| URI | /api/space/nsas/timing-ntp/service-management/ service-definitions/<serdef-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition+xml |
| Produces | Collects the details of a specific PTP service definition. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <TimingServiceDefinition>
      <Common>
        <Name>TimingSD</Name>
        <Comments>TestForSd</Comments>
      </Common>
      <ClockType editable="true">Ordinary Clock</ClockType>
      <UnicastMode editable="true">Yes</UnicastMode>
      <Transport editable="true">IPv4</Transport>
      <IPv4DSCP editable="true">46</IPv4DSCP>
      <IPv4TTL editable="true">16</IPv4TTL>
      <GrandMasterConfigurationDefinition
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="PTPServiceGrandMasterParameterDefType">
        <Profile editable="false">Telecom Profile</Profile>
        <TwoStep editable="false">No</TwoStep>
        <Priority1 editable="false">0</Priority1>
        <Priority2 editable="true">0</Priority2>
        <AnnounceRate editable="true">1 Packet/8 sec</AnnounceRate>
        <DelayRequestRate editable="true">64 Packets/sec
        </DelayRequestRate>
```

```

    <AnnounceReceiptTimeout editable="true">2
  </AnnounceReceiptTimeout>
  <ContinuousARP editable="true">false</ContinuousARP>
  <SignalingConfiguration>
    <Signaling editable="true">true</Signaling>
    <DelayRate>
      <min editable="true">1 Packet/sec</min>
      <max editable="true">64 Packets/sec</max>
    </DelayRate>
    <AnnounceRate>
      <min editable="true">1 Packet/sec</min>
      <max editable="true">1 Packet/8 sec</max>
    </AnnounceRate>
    <SyncRate>
      <min editable="true">1 Packet/sec</min>
      <max editable="true">64 Packets/sec</max>
    </SyncRate>
  </SignalingConfiguration>
  <TimingConfiguration
xsi:type="PTPServiceGrandMasterTimingParameterDefType">
    <IRIG-B editable="true">B000</IRIG-B>
    <Frequency editable="true">5 MHZ</Frequency>
    <DelayCompensation editable="true">0</DelayCompensation>
    <SyncSourcePriority editable="true">GPS Internal
    </SyncSourcePriority>
  </TimingConfiguration>
</GrandMasterConfigurationDefinition>
<GrandSlaveConfigurationDefinition
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceGrandSlaveParameterDefType">
  <Profile editable="true">Telecom Profile</Profile>
  <DelayRequestRate editable="true">64 Packets/sec
</DelayRequestRate>
  <AnnounceReceiptTimeout editable="true">2
</AnnounceReceiptTimeout>
  <Signalingconfiguration>
    <Signaling editable="true">true</Signaling>
    <GrantDuration editable="true">300</GrantDuration>
    <SyncRate editable="true">64 Packets/sec</SyncRate>
    <AnnounceRate editable="true">1 Packet/sec</AnnounceRate>
  </Signalingconfiguration>
  <PTPESMCMMapping>

```

```
<EnableClockClass editable="true">true</EnableClockClass>
<NetworkOption editable="true">Option-1</NetworkOption>
<QualityLevel editable="true">PRC</QualityLevel>
<ClockClass editable="true">80</ClockClass>
</PTPESMCMMapping>
<TimingConfiguration xsi:type="PTPServiceSlaveTimingParameterDefType">
  <PPx editable="true">PPS</PPx>
  <Frequency editable="true">5 MHZ</Frequency>
  <OffsetCompensation editable="true">0
</OffsetCompensation>
  <TimeOfDay>
    <BaudRate editable="true">1200</BaudRate>
    <Format editable="true">Calendar</Format>
  </TimeOfDay>
  <SyncSourcePriority editable="true">PTP Internal
  </SyncSourcePriority>
</TimingConfiguration>
</GrandSlaveConfigurationDefinition>
</TimingServiceDefinition>
</ServiceResource>
</Data>
```

Get All PTP Service Definitions

This request is used to retrieve all the configured PTP service definitions.

| | |
|-------------|--|
| URI | /api/space/nsas/timing-ptp/service-management/ service-definitions/ |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-definitions+xml |
| Produces | Collects all the configured PTP service definitions. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="2">
    <TimingServiceDefinition key="1"
      uri="/api/space/nsas/timing-ntp/service-management/service-definitions/1"

      href="/api/space/nsas/timing-ntp/service-management/service-definitions/1">

      <Common>
        <Name>Test</Name>
        <Identity>1</Identity>
        <State>Published</State>
        <Comments>fsdfdsf</Comments>
        <CreatedDate>2013-05-13T19:24:52.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-05-13T19:24:52.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>PTP</ServiceType>
    </TimingServiceDefinition>
    <TimingServiceDefinition key="45"
      uri="/api/space/nsas/timing-ntp/service-management/service-definitions/45"

      href="/api/space/nsas/timing-ntp/service-management/service-definitions/45">

      <Common>
        <Name>TimingSD</Name>
        <Identity>45</Identity>
        <State>Published</State>
        <Comments>fdfsdfsaf</Comments>
        <CreatedDate>2013-05-13T19:26:31.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-05-13T19:26:31.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>PTP</ServiceType>
    </TimingServiceDefinition>
  </ServiceResource>
</Data>

```

Create a PTP Service Definition

This request is used to create a PTP service definition.

| | |
|--------------|--|
| URI | /api/space/nsas/timing-ntp/service-management/ service-definitions/ |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management. service-definition+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition-status+xml |
| Produces | Creates a PTP service definition. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <TimingServiceDefinition>
      <Common>
        <Name>ServiceDefinition_PTP</Name>
        <Comments>TestForSd</Comments>
      </Common>
    <ServiceType>PTP</ServiceType>
    <Topology editable="true">Boundary</Topology>
    <TransportMode editable="false">Multicast</TransportMode>
    <TransportEncapsulation editable="true">IEEE-802.3-Link
Local</TransportEncapsulation>
    <IPV4DSCP editable="true">63</IPV4DSCP>

    <EnablePTPResiliency editable="true">true</EnablePTPResiliency>

    <GrandMasterConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceGrandMasterParameterDefType">
```

```

<Profile editable="false">Default</Profile>
<TwoStep editable="false">No</TwoStep>
<SyncRate editable="false">64 Packets/sec</SyncRate>
<Priority1 editable="false">128</Priority1>
<Priority2 editable="true">128</Priority2>
<AnnounceRate editable="true">1 Packet/8 sec</AnnounceRate>
<DelayRequestRate editable="true">64 Packets/sec</DelayRequestRate>
<AnnounceReceiptTimeout editable="true">2</AnnounceReceiptTimeout>
<ContinuousARP editable="true">false</ContinuousARP>
<SignalingConfiguration>
  <Signaling editable="true">false</Signaling>
  <DelayRate>
    <min editable="true">1 Packet/sec</min>
    <max editable="true">64 Packets/sec</max>
  </DelayRate>
  <AnnounceRate>
    <min editable="true">1 Packet/sec</min>
    <max editable="true">1 Packet/8 sec</max>
  </AnnounceRate>
  <SyncRate>
    <min editable="true">1 Packet/sec</min>
    <max editable="true">64 Packets/sec</max>
  </SyncRate>
</SignalingConfiguration>
<TimingConfiguration xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceGrandMasterTimingParameterDefType">
  <IRIG-B editable="true">B001</IRIG-B>
  <Frequency editable="true">5 MHZ</Frequency>
  <DelayCompensation editable="true">0</DelayCompensation>
  <SyncSourcePriority editable="true">GPS Internal PTP</SyncSourcePriority>

</TimingConfiguration>
</GrandMasterConfigurationDefinition>
<GrandSlaveConfigurationDefinition
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceGrandSlaveParameterDefType">
  <Profile editable="false">Default</Profile>
  <DelayRequestRate editable="true">64 Packets/sec</DelayRequestRate>
  <AnnounceReceiptTimeout editable="true">2</AnnounceReceiptTimeout>
  <EnableHybrid editable="false">true</EnableHybrid>
  <SignalingConfiguration>
    <Signaling editable="true">true</Signaling>

```

```

    <GrantDuration editable="true">2</GrantDuration>
    <SyncRate editable="false">64 Packets/sec</SyncRate>
    <AnnounceRate editable="true">1 Packet/sec</AnnounceRate>
  </Signalingconfiguration>
  <PTPESMCMMapping>
    <EnableClockClass editable="true">true</EnableClockClass>
    <NetworkOption editable="false">Option-2</NetworkOption>
    <QualityLevel editable="true">PRS</QualityLevel>
    <ClockClass editable="true">80</ClockClass>
  </PTPESMCMMapping>
  <TimingConfiguration xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="PTPServiceSlaveTimingParameterDefType">
    <PPx editable="true">PPS</PPx>
    <Frequency editable="true">5 MHZ</Frequency>
    <OffsetCompensation editable="true">-1000000</OffsetCompensation>
    <TimeOfDay>
      <BaudRate editable="true">1200</BaudRate>
      <Format editable="true">Calendar</Format>
    </TimeOfDay>
    <SyncSourcePriority editable="true">PTP Internal</SyncSourcePriority>
  </TimingConfiguration>
</GrandSlaveConfigurationDefinition>
</TimingServiceDefinition>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceDefinitionCustomActionType">
  <Action>Publish</Action>
</CustomAction>

</Data>

```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>PTPServiceDefinition</Type>
      <Value>524338</Value>
    </Identity>
    <Code>200</Code>
    <Message>ServiceDefinition Created and Published Successfully</Message>
  </Status>
</Data>
```

Publish and Unpublish a PTP Service Definition

This request is used to publish or unpublish a PTP service definition.

| | |
|--------------|---|
| URI | api/space/nsas/timing-ntp/service-management/ service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-definition+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition-status+xml Action types are Publish and Unpublish. |
| Produces | Publishes or unpublishes a PTP service definition. |

Input (Publishing the Service Definition)

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceDefinitionCustomActionType">
  <Action>Publish</Action>
</CustomAction>
</Data>
```

Output

Sample XML Output

```
<Data>
<Status>
<Identity>
<Type>ServiceDefinition</Type>
<Value>32768</Value>
</Identity>
<Code>200</Code>
<Message>ServiceDefinition Published Successfully</Message>
</Status>
</Data>
```

Input (Unpublishing the Service Definition)

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceDefinitionCustomActionType">
  <Action>Unpublish</Action>
</CustomAction>
</Data>
```

Output

Sample XML Output

```
<Data>
  <Status>
    <Identity>
      <Type>ServiceDefinition</Type>
      <Value>32768</Value>
    </Identity>
    <Code>200</Code>
    <Message>ServiceDefinition UnPublished Successfully</Message>
  </Status>
</Data>
```

PTP Service Orders Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director Precision Time Protocol (PTP) Service Orders Management RESTful Web Services.

Get a PTP Service Order By Service Order ID

This request is used to retrieve the details of a particular PTP service order, based on the service order ID.

| | |
|-------------|---|
| URI | /api/space/nsas/timing-ntp/service-management/service-orders/<service-order-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Collects the details of a specific PTP service order. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>PTP01</Name>
        <Identity>32816</Identity>
        <State>Completed</State>
        <CreatedDate>2013-05-21T16:43:50.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-05-21T16:47:26.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>PTP</ServiceType>
      <PTPDomain>1</PTPDomain>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <Timing
            href="/api/space/nsas/prestage-timing-device/manage-devices/devices/7"

            uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/7"
            key="7">
              <DeviceName>access-hcl-bgm</DeviceName>
              <DeviceID>7</DeviceID>
            </Timing>
          </DeviceInfo>
          <ServiceEndPoint>
            <InterfaceName>eth0</InterfaceName>
            <ServiceEndpointConfiguration
              xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
              xsi:type="TimingPTPEndPointConfigOrderType">
              <DeviceType>Master</DeviceType>
              <Priority1>128</Priority1>
              <Priority2>128</Priority2>
            </ServiceEndpointConfiguration>
          </ServiceEndPoint>
        </ServiceEndPointGroup>
        <ServiceEndPointGroup>
          <DeviceInfo>
            <Timing
              href="/api/space/nsas/prestage-timing-device/manage-devices/devices/139"

```

```

uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/139"

key="139">
  <DeviceName>junos-spacel</DeviceName>
  <DeviceID>139</DeviceID>
</Timing>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-0/1/2.0</InterfaceName>
  <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
    <DeviceType>Master</DeviceType>
    <Priority1>128</Priority1>
    <Priority2>128</Priority2>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <Timing
      href="/api/space/nsas/prestage-timing-device/manage-devices/devices/3"

uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/3"
key="3">
  <DeviceName>access-bt750</DeviceName>
  <DeviceID>3</DeviceID>
</Timing>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>eth0</InterfaceName>
  <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
    <DeviceType>Slave</DeviceType>
    <AcceptableMasters>
      <DeviceInfo>
        <DeviceID>7</DeviceID>
        <InterfaceName>eth0</InterfaceName>
      </DeviceInfo>
    </AcceptableMasters>
  </ServiceEndpointConfiguration>

```

```

    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <Timing
      href="/api/space/nsas/prestage-timing-device/manage-devices/devices/139"

      uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/139"

      key="139">
        <DeviceName>junos-space1</DeviceName>
        <DeviceID>139</DeviceID>
      </Timing>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-0/1/3.1</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
        <DeviceType>Slave</DeviceType>
        <AcceptableMasters>
          <DeviceInfo>
            <DeviceID>7</DeviceID>
            <InterfaceName>eth0</InterfaceName>
          </DeviceInfo>
        </AcceptableMasters>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <TimingGrandMasterConfiguration>
    <Profile>Telecom Profile</Profile>
    <TwoStep>true</TwoStep>
    <SyncRate>64 packets/sec</SyncRate>
    <AnnounceRate>1 packet/8 sec</AnnounceRate>
    <DelayRequestRate>64 packets/sec</DelayRequestRate>
    <AnnounceReceiptTimeout>2</AnnounceReceiptTimeout>
    <ContinuousARP>true</ContinuousARP>
    <SignallingConfiguration>
      <Signalling>true</Signalling>
      <DelayRateMin>1 packet/sec</DelayRateMin>
      <DelayRateMax>64 packets/sec</DelayRateMax>
      <AnnounceRateMin>1 packet/sec</AnnounceRateMin>

```

```

    <AnnounceRateMax>1 packet/8 sec</AnnounceRateMax>
    <SyncRateMin>1 packet/sec</SyncRateMin>
    <SyncRateMax>64 packets/sec</SyncRateMax>
  </SignallingConfiguration>
  <TimingConfiguration>
    <IRIG-B>B000</IRIG-B>
    <Frequency>5 MHZ</Frequency>
    <DelayCompensation>0</DelayCompensation>
    <SyncSource>
      <Value>PTP</Value>
      <Value>Internal</Value>
    </SyncSource>
  </TimingConfiguration>
</TimingGrandMasterConfiguration>
<TimingGrandSlaveConfiguration>
  <Profile>Telecom Profile</Profile>
  <DelayRequestRate>64 packets/sec</DelayRequestRate>
  <AnnounceReceiptTimeout>2</AnnounceReceiptTimeout>
  <SignallingConfiguration>
    <Signalling>true</Signalling>
    <GrantDuration>300</GrantDuration>
    <AnnounceRate>1 packet/sec</AnnounceRate>
    <SyncRate>64 packets/sec</SyncRate>
  </SignallingConfiguration>
  <PTPESMCMMapping>
    <EnableClockClass>true</EnableClockClass>
    <NetworkOption>Option-1</NetworkOption>
    <QualityLevel>PRC</QualityLevel>
    <ClockClass>80</ClockClass>
  </PTPESMCMMapping>
  <TimingConfiguration>
    <PPx>PPS</PPx>
    <Frequency>5 MHZ</Frequency>
    <OffsetCompensation>0</OffsetCompensation>
    <TimeOfDay>
      <BaudRate>1200</BaudRate>
      <Format>Calendar</Format>
    </TimeOfDay>
    <SyncSource>
      <Value>PTP </Value>
      <Value>Internal</Value>
    </SyncSource>

```

```

    </TimingConfiguration>
  </TimingGrandSlaveConfiguration>
  <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

    xsi:type="TimingPTPConfigParameterOrderType">
    <ClockType>Ordinary Clock</ClockType>
    <UnicastMode>Yes</UnicastMode>
    <Transport>IPv4</Transport>
    <IPv4DSCP>56</IPv4DSCP>
  </ServiceOrderParameter>
  <Reference>
    <ServiceDefinition>
      <ServiceDefinitionID key="32768"

href="/api/space/nsas/timing-ntp/service-management/service-definitions/32768"

uri="/api/space/nsas/timing-ntp/service-management/service-definitions/32768"
    />
    </ServiceDefinition>
    <Service key="32825"
      href="/api/space/nsas/timing-ntp/service-management/services/32825"
      uri="/api/space/nsas/timing-ntp/service-management/services/32825" />
    </Reference>
  </ServiceOrder>
</ServiceResource>
</Data>

```

Get All PTP Service Orders

This request is used to retrieve all the configured PTP service orders.

| | |
|-------------|---|
| URI | /api/space/nsas/timing-ntp/service-management/ service-orders/ |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-orders+xml |

Produces

Collects all the configured PTP service orders.

Output**Sample XML Output**

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/sync-e/service-management/service-orders/163841"
      uri="/api/space/nsas/sync-e/service-management/service-orders/163841"
      key="163841">
        <Common>
          <Name>TestSyncEOS</Name>
          <Identity>163841</Identity>
          <State>Completed</State>
          <Comments>TestSyncEOS</Comments>
          <CreatedDate>2013-05-15T18:24:43.000+05:30</CreatedDate>
          <LastUpdatedDate>2013-05-15T18:24:59.000+05:30</LastUpdatedDate>
          <CreatedBy>super</CreatedBy>
        </Common>
        <ServiceType>SyncE</ServiceType>
        <Reference>
          <ServiceDefinition>
            <ServiceDefinitionID key="32782"

href="/api/space/nsas/sync-e/service-management/service-definitions/32782"

uri="/api/space/nsas/sync-e/service-management/service-definitions/32782">
              <ServiceDefinitionName>TestSynce</ServiceDefinitionName>
            </ServiceDefinitionID>
          </ServiceDefinition>
        </Reference>
      </ServiceOrder>
    <ServiceOrder
      href="/api/space/nsas/sync-e/service-management/service-orders/98318"
      uri="/api/space/nsas/sync-e/service-management/service-orders/98318"
      key="98318">
        <Common>
          <Name>sfddsfa</Name>
          <Identity>98318</Identity>
          <State>Completed</State>

```

```

    <Comments>fdsds</Comments>
    <CreateDate>2013-05-10T14:31:47.000+05:30</CreateDate>
    <LastUpdatedDate>2013-05-10T14:31:53.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <ServiceType>SyncE</ServiceType>
  <Reference>
    <ServiceDefinition>
      <ServiceDefinitionID key="32782"

href="/api/space/nsas/sync-e/service-management/service-definitions/32782"

uri="/api/space/nsas/sync-e/service-management/service-definitions/32782">
    <ServiceDefinitionName>TestSyncE</ServiceDefinitionName>
    </ServiceDefinitionID>
  </ServiceDefinition>
</Reference>
</ServiceOrder>
<ServiceOrder
  href="/api/space/nsas/sync-e/service-management/service-orders/98305"
  uri="/api/space/nsas/sync-e/service-management/service-orders/98305"
  key="98305">
  <Common>
    <Name>SyncESO_modify_1368173940739</Name>
    <Identity>98305</Identity>
    <State>Completed</State>
    <Comments>AThisjjfdsThis is for modification</Comments>
    <CreateDate>2013-05-10T13:50:38.000+05:30</CreateDate>
    <LastUpdatedDate>2013-05-10T13:50:47.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <ServiceType>SyncE</ServiceType>
  <Reference>
    <ServiceDefinition>
      <ServiceDefinitionID key="32782"

href="/api/space/nsas/sync-e/service-management/service-definitions/32782"

uri="/api/space/nsas/sync-e/service-management/service-definitions/32782">
    <ServiceDefinitionName>TestSyncE</ServiceDefinitionName>
    </ServiceDefinitionID>
  </ServiceDefinition>

```

```

    </Reference>
  </ServiceOrder>
  <ServiceOrder
    href="/api/space/nsas/sync-e/service-management/service-orders/32797"
    uri="/api/space/nsas/sync-e/service-management/service-orders/32797"
    key="32797">
    <Common>
      <Name>SyncESO</Name>
      <Identity>32797</Identity>
      <State>Completed</State>
      <Comments>SyncESO</Comments>
      <CreatedDate>2013-05-07T15:22:38.000+05:30</CreatedDate>
      <LastUpdatedDate>2013-05-07T15:23:01.000+05:30</LastUpdatedDate>
      <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>SyncE</ServiceType>
    <Reference>
      <ServiceDefinition>
        <ServiceDefinitionID key="32782"

href="/api/space/nsas/sync-e/service-management/service-definitions/32782"

uri="/api/space/nsas/sync-e/service-management/service-definitions/32782">
        <ServiceDefinitionName>TestSync</ServiceDefinitionName>
        </ServiceDefinitionID>
      </ServiceDefinition>
    </Reference>
  </ServiceOrder>
</ServiceResource>
</Data>
```

Delete PTP Service Order

This request is used to delete a PTP service order.

| | |
|-------------|--|
| URI | api/space/nsas/timing-ntp/service-management/ service-orders/<id> |
| HTTP Method | DELETE |

| | |
|----------|--|
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Deletes a PTP service order. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>294923</Value>
    </Identity>
    <Code>200</Code>
    <Message>Service order Deleted Successfully.</Message>
  </Status>
</Data>
```

Create a PTP Service Order

This request is used to create a PTP service order.

| | |
|--------------|--|
| URI | /api/space/nsas/timing-ntp/service-management/service-orders/ |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Creates a PTP service order. |

Input

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource>
  <ServiceOrder>
    <Common>
      <Name>P2P_SO_302</Name>
    </Common>
    <PTPDomain>2</PTPDomain>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <Timing>
          <DeviceName>access1-hcl-bgm</DeviceName>
          <DeviceID>16</DeviceID>
        </Timing>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>eth0</InterfaceName>
        <ServiceEndpointConfiguration
          xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
          xsi:type="TimingPTPEndPointConfigOrderType">
          <DeviceType>Master</DeviceType>
          <Priority1>132</Priority1>
          <Priority2>132</Priority2>
        </ServiceEndpointConfiguration>
      </ServiceEndPoint>
    </ServiceEndPointGroup>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <Timing>
          <DeviceName>junos-space5</DeviceName>
          <DeviceID>25</DeviceID>
        </Timing>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-0/1/2.0</InterfaceName>
        <ServiceEndpointConfiguration
          xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
          xsi:type="TimingPTPEndPointConfigOrderType">
          <DeviceType>Slave</DeviceType>
          <AcceptableMasters>
            <DeviceInfo>
              <DeviceID>16</DeviceID>

```

```

    <InterfaceName>eth0</InterfaceName>
  </DeviceInfo>
</AcceptableMasters>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<TimingGrandMasterConfiguration>
  <Profile>Telecom Profile</Profile>
  <TwoStep>>false</TwoStep>
  <SyncRate>4 packets/sec</SyncRate>
  <AnnounceRate>1 packet/2 sec</AnnounceRate>
  <DelayRequestRate>2 packets/sec</DelayRequestRate>
  <AnnounceReceiptTimeout>3</AnnounceReceiptTimeout>
  <ContinuousARP>>false</ContinuousARP>
  <SignallingConfiguration>
    <Signalling>>true</Signalling>
    <DelayRateMin>2 packets/sec</DelayRateMin>
    <AnnounceRateMin>1 packet/2 sec</AnnounceRateMin>
    <SyncRateMin>2 packets/sec</SyncRateMin>
    <DelayRateMax>8 packets/sec</DelayRateMax>
    <AnnounceRateMax>1 packet/8 sec</AnnounceRateMax>
    <SyncRateMax>8 packets/sec</SyncRateMax>
  </SignallingConfiguration>
  <TimingConfiguration>
    <IRIG-B>B001</IRIG-B>
    <Frequency>5 MHz</Frequency>
    <DelayCompensation>1</DelayCompensation>
    <SyncSource>
      <Value>PTP</Value>
      <Value>Internal</Value>
    </SyncSource>
  </TimingConfiguration>
</TimingGrandMasterConfiguration>
<TimingGrandSlaveConfiguration>
  <Profile>Telecom Profile</Profile>
  <DelayRequestRate>2 packets/sec</DelayRequestRate>
  <AnnounceReceiptTimeout>3</AnnounceReceiptTimeout>
  <SignallingConfiguration>
    <Signalling>>true</Signalling>
    <GrantDuration>400</GrantDuration>
    <AnnounceRate>1 packet/2 sec</AnnounceRate>
    <SyncRate>4 packets/sec</SyncRate>

```

```

</SignallingConfiguration>
<TimingConfiguration>
  <PPx>PPS</PPx>
  <Frequency>1 MHz</Frequency>
  <OffsetCompensation>1</OffsetCompensation>
  <SyncSource>
    <Value>PTP</Value>
    <Value>Internal</Value>
  </SyncSource>
  <TimeOfDay>
    <BaudRate>2400</BaudRate>
    <Format>Calendar</Format>
  </TimeOfDay>
</TimingConfiguration>
</TimingGrandSlaveConfiguration>

<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="TimingPTPConfigParameterOrderType">
    <ClockType>Ordinary Clock</ClockType>
    <Transport>IPv4</Transport>
    <IPV4DSCP>56</IPV4DSCP>
  </ServiceOrderParameter>
  <Reference>
    <ServiceDefinition>
      <ServiceDefinitionID key="32768" />
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="ServiceOrderCustomActionType">
  <Action>Save</Action>
  <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
</CustomAction>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource>
  <ServiceOrder>
    <Common>
      <Name>P2P_SO_305</Name>
    </Common>
    <PTPDomain>254</PTPDomain>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <Timing>
          <DeviceName>access1-hcl-bgm</DeviceName>
          <DeviceID>16</DeviceID>
        </Timing>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>eth0</InterfaceName>
        <ServiceEndpointConfiguration
          xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
          xsi:type="TimingPTPEndPointConfigOrderType">
          <DeviceType>Master</DeviceType>
        </ServiceEndpointConfiguration>
      </ServiceEndPoint>
    </ServiceEndPointGroup>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <Timing>
          <DeviceName>junos-space5</DeviceName>
          <DeviceID>25</DeviceID>
        </Timing>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-0/1/2.0</InterfaceName>
        <ServiceEndpointConfiguration
          xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
          xsi:type="TimingPTPEndPointConfigOrderType">
          <DeviceType>Slave</DeviceType>
          <AcceptableMasters>
            <DeviceInfo>
              <DeviceID>16</DeviceID>
              <InterfaceName>eth0</InterfaceName>
            </DeviceInfo>

```

```

    </AcceptableMasters>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<Reference>
  <ServiceDefinition>
    <ServiceDefinitionID key="32768" />
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="ServiceOrderCustomActionType">
  <Action>Save</Action>
  <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
</CustomAction>
</Data>
```

Get a PTP Service Order with Boundary Clock By Service Order ID

This request is used to retrieve the details of a particular PTP service order, based on the service order ID.

| | |
|-------------|---|
| URI | /api/space/nsas/timing-ntp/service-management/service-orders/ <service-order-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-order+xml |
| Produces | Collects the details of a specific PTP service order. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>TestAPI</Name>
        <Identity>1034</Identity>
        <State>Validated</State>
        <Comments>Test for API</Comments>
        <CreatedDate>2014-04-15T16:24:50.000+05:30</CreatedDate>
        <LastUpdatedDate>2014-04-15T16:24:50.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>PTP</ServiceType>
      <PTPDomain>1</PTPDomain>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <Timing
href="/api/space/nsas/prestage-timing-device/manage-devices/devices/33422"
uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/33422"

          key="33422">
            <DeviceName>junos-space2</DeviceName>
            <DeviceID>33422</DeviceID>
          </Timing>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/1/2.0</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
            <DeviceType>Boundary</DeviceType>
            <Priority1>128</Priority1>
            <Priority2>128</Priority2>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceEndPointGroup>
    <DeviceInfo>

```

```

    <Timing

href="/api/space/nsas/prestage-timing-device/manage-devices/devices/33623"
    uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/33623"

    key="33623">
    <DeviceName>access-hcl-bgm</DeviceName>
    <DeviceID>33623</DeviceID>
    </Timing>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>eth1</InterfaceName>
    <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
        <DeviceType>Master</DeviceType>
        <Priority1>128</Priority1>
        <Priority2>128</Priority2>
    </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
    <Timing

href="/api/space/nsas/prestage-timing-device/manage-devices/devices/33422"
    uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/33422"

    key="33422">
    <DeviceName>junos-space2</DeviceName>
    <DeviceID>33422</DeviceID>
    </Timing>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge-0/1/1.0</InterfaceName>
    <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
        <DeviceType>Slave</DeviceType>
        <AcceptableMasters>
        <DeviceInfo>
        <DeviceID>33623</DeviceID>

```

```

        <InterfaceName>eth1</InterfaceName>
    </DeviceInfo>
</AcceptableMasters>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <Timing
href="/api/space/nsas/prestage-timing-device/manage-devices/devices/33287"
    uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/33287"

        key="33287">
            <DeviceName>kochin</DeviceName>
            <DeviceID>33287</DeviceID>
        </Timing>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/0/0.0</InterfaceName>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
            <DeviceType>Slave</DeviceType>
            <AcceptableMasters>
                <DeviceInfo>
                    <DeviceID>33623</DeviceID>
                    <InterfaceName>eth1</InterfaceName>
                </DeviceInfo>
            </AcceptableMasters>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<TimingGrandMasterConfiguration>
    <Profile>Telecom Profile</Profile>
    <TwoStep>>false</TwoStep>
    <SyncRate>64 packets/sec</SyncRate>
    <AnnounceRate>1 packet/8 sec</AnnounceRate>
    <DelayRequestRate>64 packets/sec</DelayRequestRate>
    <AnnounceReceiptTimeout>2</AnnounceReceiptTimeout>
    <ContinuousARP>>false</ContinuousARP>
    <SignallingConfiguration>

```

```

    <Signalling>true</Signalling>
    <DelayRateMin>1 packet/sec</DelayRateMin>
    <DelayRateMax>64 packets/sec</DelayRateMax>
    <AnnounceRateMin>1 packet/sec</AnnounceRateMin>
    <AnnounceRateMax>1 packet/8 sec</AnnounceRateMax>
    <SyncRateMin>1 packet/sec</SyncRateMin>
    <SyncRateMax>64 packets/sec</SyncRateMax>
  </SignallingConfiguration>
  <TimingConfiguration>
    <IRIG-B>B000</IRIG-B>
    <Frequency>1 MHz</Frequency>
    <DelayCompensation>0</DelayCompensation>
    <SyncSource>
      <Value>GPS</Value>
    </SyncSource>
  </TimingConfiguration>
</TimingGrandMasterConfiguration>
<TimingGrandSlaveConfiguration>
  <Profile>Telecom Profile</Profile>
  <DelayRequestRate>64 packets/sec</DelayRequestRate>
  <AnnounceReceiptTimeout>2</AnnounceReceiptTimeout>
  <SignallingConfiguration>
    <Signalling>false</Signalling>
    <GrantDuration>300</GrantDuration>
    <AnnounceRate>1 packet/sec</AnnounceRate>
    <SyncRate>64 packets/sec</SyncRate>
  </SignallingConfiguration>
  <PTPESMCMMapping>
    <EnableClockClass>true</EnableClockClass>
    <NetworkOption>Option-1</NetworkOption>
    <QualityLevel>PRC</QualityLevel>
    <ClockClass>80</ClockClass>
  </PTPESMCMMapping>
  <TimingConfiguration>
    <PPx>PPS</PPx>
    <Frequency>1 MHz</Frequency>
    <OffsetCompensation>0</OffsetCompensation>
    <TimeOfDay>
      <BaudRate>1200</BaudRate>
      <Format>Calendar</Format>
    </TimeOfDay>
    <SyncSource>

```

```

    <Value>PTP</Value>
  </SyncSource>
</TimingConfiguration>
</TimingGrandSlaveConfiguration>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

  xsi:type="TimingPTPConfigParameterOrderType">
  <Topology>Boundary</Topology>
  <TransportMode>Unicast</TransportMode>
  <TransportEncapsulation>IPv4</TransportEncapsulation>
  <IPV4DSCP>56</IPV4DSCP>
</ServiceOrderParameter>
<Reference>
  <ServiceDefinition>
    <ServiceDefinitionID key="1"

href="/api/space/nsas/timing-ptp/service-management/service-definitions/1"
    uri="/api/space/nsas/timing-ptp/service-management/service-definitions/1"
  />
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Create a PTP Service Order with Boundary Clock

This request is used to create a PTP service order.

| | |
|--------------|--|
| URI | /api/space/nsas/timing-ptp/service-management/service-orders/ |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Creates a PTP service order. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>TestAPI</Name>
        <Comments>Test for API</Comments>
      </Common>
      <ServiceType>PTP</ServiceType>
      <PTPDomain>1</PTPDomain>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <Timing
href="/api/space/nsas/prestage-timing-device/manage-devices/devices/33422"
  uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/33422"

    key="33422">
      <DeviceName>junos-space2</DeviceName>
      <DeviceID>33422</DeviceID>
    </Timing>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/2.0</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
      <DeviceType>Boundary</DeviceType>
      <Priority1>128</Priority1>
      <Priority2>128</Priority2>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <Timing
href="/api/space/nsas/prestage-timing-device/manage-devices/devices/33623"
  uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/33623"
```

```

        key="33623">
        <DeviceName>access-hcl-bgm</DeviceName>
        <DeviceID>33623</DeviceID>
        </Timing>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>eth1</InterfaceName>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
            <DeviceType>Master</DeviceType>
            <Priority1>128</Priority1>
            <Priority2>128</Priority2>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <Timing

href="/api/space/nsas/prestage-timing-device/manage-devices/devices/33422"
uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/33422"

        key="33422">
        <DeviceName>junos-space2</DeviceName>
        <DeviceID>33422</DeviceID>
        </Timing>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/1/1.0</InterfaceName>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
            <DeviceType>Slave</DeviceType>
            <AcceptableMasters>
                <DeviceInfo>
                    <DeviceID>33623</DeviceID>
                    <InterfaceName>eth1</InterfaceName>
                </DeviceInfo>
            </AcceptableMasters>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>

```

```

</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <Timing

href="/api/space/nsas/prestage-timing-device/manage-devices/devices/33287"
  uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/33287"

    key="33287">
      <DeviceName>kochin</DeviceName>
      <DeviceID>33287</DeviceID>
    </Timing>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/0/0.0</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
      <DeviceType>Slave</DeviceType>
      <AcceptableMasters>
        <DeviceInfo>
          <DeviceID>33623</DeviceID>
          <InterfaceName>eth1</InterfaceName>
        </DeviceInfo>
      </AcceptableMasters>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<TimingGrandMasterConfiguration>
  <Profile>Telecom Profile</Profile>
  <TwoStep>false</TwoStep>
  <SyncRate>64 packets/sec</SyncRate>
  <AnnounceRate>1 packet/8 sec</AnnounceRate>
  <DelayRequestRate>64 packets/sec</DelayRequestRate>
  <AnnounceReceiptTimeout>2</AnnounceReceiptTimeout>
  <ContinuousARP>false</ContinuousARP>
  <SignallingConfiguration>
    <Signalling>true</Signalling>
    <DelayRateMin>1 packet/sec</DelayRateMin>
    <DelayRateMax>64 packets/sec</DelayRateMax>
    <AnnounceRateMin>1 packet/sec</AnnounceRateMin>
    <AnnounceRateMax>1 packet/8 sec</AnnounceRateMax>

```

```

    <SyncRateMin>1 packet/sec</SyncRateMin>
    <SyncRateMax>64 packets/sec</SyncRateMax>
  </SignallingConfiguration>
  <TimingConfiguration>
    <IRIG-B>B000</IRIG-B>
    <Frequency>1 MHz</Frequency>
    <DelayCompensation>0</DelayCompensation>
    <SyncSource>
      <Value>GPS</Value>
    </SyncSource>
  </TimingConfiguration>
</TimingGrandMasterConfiguration>
<TimingGrandSlaveConfiguration>
  <Profile>Telecom Profile</Profile>
  <DelayRequestRate>64 packets/sec</DelayRequestRate>
  <AnnounceReceiptTimeout>2</AnnounceReceiptTimeout>
  <SignallingConfiguration>
    <Signalling>false</Signalling>
    <GrantDuration>300</GrantDuration>
    <AnnounceRate>1 packet/sec</AnnounceRate>
    <SyncRate>64 packets/sec</SyncRate>
  </SignallingConfiguration>
  <PTPESMCMMapping>
    <EnableClockClass>true</EnableClockClass>
    <NetworkOption>Option-1</NetworkOption>
    <QualityLevel>PRC</QualityLevel>
    <ClockClass>80</ClockClass>
  </PTPESMCMMapping>
  <TimingConfiguration>
    <PPx>PPS</PPx>
    <Frequency>1 MHz</Frequency>
    <OffsetCompensation>0</OffsetCompensation>
    <TimeOfDay>
      <BaudRate>1200</BaudRate>
      <Format>Calendar</Format>
    </TimeOfDay>
    <SyncSource>
      <Value>PTP</Value>
    </SyncSource>
  </TimingConfiguration>
</TimingGrandSlaveConfiguration>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

```

```

        xsi:type="TimingPTPConfigParameterOrderType">
        <Topology>Boundary</Topology>
        <TransportEncapsulation>IPv4</TransportEncapsulation>
        <IPv4DSCP>56</IPv4DSCP>
    </ServiceOrderParameter>
    <Reference>
        <ServiceDefinition>
            <ServiceDefinitionID key="1"

href="/api/space/nsas/timing-ntp/service-management/service-definitions/1"
        uri="/api/space/nsas/timing-ntp/service-management/service-definitions/1"
        />
        </ServiceDefinition>
    </Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="ServiceOrderCustomActionType">
    <Action>SaveAndDeployNow</Action>
</CustomAction>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>
        <Identity>
            <Type>ServiceOrder</Type>
            <Value>393698</Value>
        </Identity>
        <Job>
            <ID>131165</ID>
            <Status>INPROGRESS</Status>
        </Job>
    </Status>

```

```
<Code>200</Code>
<Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Get a PTP Service Order with Hybrid Mode By Service Order ID

This request is used to retrieve the details of a particular PTP service order, based on the service order ID.

| | |
|-------------|---|
| URI | /api/space/nsas/timing-ntp/service-management/service-orders/ <service-order-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-order+xml |
| Produces | Collects the details of a specific PTP service order. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>Test_Hybrid</Name>
        <Identity>229427</Identity>
        <State>Requested</State>
        <CreateDate>2014-04-26T14:34:08.000+05:30</CreateDate>
```

```

    <LastUpdatedDate>2014-04-26T14:34:08.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <ServiceType>PTP</ServiceType>
  <PTPDomain>1</PTPDomain>
  <Action>Provisioning</Action>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <Timing

href="/api/space/nsas/prestage-timing-device/manage-devices/devices/33287"
  uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/33287"

      key="33287">
        <DeviceName>kochin</DeviceName>
        <DeviceID>33287</DeviceID>
      </Timing>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-0/0/1.0</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
        <DeviceType>Boundary</DeviceType>
        <Priority1>128</Priority1>
        <Priority2>128</Priority2>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <Timing

href="/api/space/nsas/prestage-timing-device/manage-devices/devices/33623"
  uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/33623"

      key="33623">
        <DeviceName>access-hcl-bgm</DeviceName>
        <DeviceID>33623</DeviceID>
      </Timing>
    </DeviceInfo>
    <ServiceEndPoint>

```

```

    <InterfaceName>eth1</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
      <DeviceType>Master</DeviceType>
      <Priority1>128</Priority1>
      <Priority2>128</Priority2>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <Timing

href="/api/space/nsas/prestage-timing-device/manage-devices/devices/33472"
uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/33472"

    key="33472">
      <DeviceName>embassy</DeviceName>
      <DeviceID>33472</DeviceID>
    </Timing>
  </DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-1/0/0.0</InterfaceName>
  <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
    <DeviceType>Slave</DeviceType>
    <Mode>Hybrid</Mode>
    <AcceptableMasters>
      <DeviceInfo>
        <DeviceID>33623</DeviceID>
        <InterfaceName>eth1</InterfaceName>
      </DeviceInfo>
    </AcceptableMasters>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <Timing

```

```
href="/api/space/nsas/prestage-timing-device/manage-devices/devices/33558"
uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/33558"
```

```

    key="33558">
      <DeviceName>junos-mx480-space</DeviceName>
      <DeviceID>33558</DeviceID>
    </Timing>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-2/0/2.0</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="TimingPTPEndPointConfigOrderType">
      <DeviceType>Slave</DeviceType>
      <Mode>Hybrid</Mode>
      <AcceptableMasters>
        <DeviceInfo>
          <DeviceID>33623</DeviceID>
          <InterfaceName>eth1</InterfaceName>
        </DeviceInfo>
      </AcceptableMasters>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <Timing>
```

```
href="/api/space/nsas/prestage-timing-device/manage-devices/devices/33287"
uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/33287"
```

```

    key="33287">
      <DeviceName>kochin</DeviceName>
      <DeviceID>33287</DeviceID>
    </Timing>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/3/6.0</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="TimingPTPEndPointConfigOrderType">
      <DeviceType>Slave</DeviceType>
```

```

    <Mode>Hybrid</Mode>
    <AcceptableMasters>
      <DeviceInfo>
        <DeviceID>33623</DeviceID>
        <InterfaceName>eth1</InterfaceName>
      </DeviceInfo>
    </AcceptableMasters>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<TimingGrandMasterConfiguration>
  <Profile>Telecom Profile</Profile>
  <TwoStep>>false</TwoStep>
  <SyncRate>64 packets/sec</SyncRate>
  <AnnounceRate>1 packet/8 sec</AnnounceRate>
  <DelayRequestRate>64 packets/sec</DelayRequestRate>
  <AnnounceReceiptTimeout>2</AnnounceReceiptTimeout>
  <ContinuousARP>>false</ContinuousARP>
  <SignallingConfiguration>
    <Signalling>>false</Signalling>
    <DelayRateMin>1 packet/sec</DelayRateMin>
    <DelayRateMax>64 packets/sec</DelayRateMax>
    <AnnounceRateMin>1 packet/sec</AnnounceRateMin>
    <AnnounceRateMax>1 packet/8 sec</AnnounceRateMax>
    <SyncRateMin>1 packet/sec</SyncRateMin>
    <SyncRateMax>64 packets/sec</SyncRateMax>
  </SignallingConfiguration>
  <TimingConfiguration>
    <IRIG-B>B000</IRIG-B>
    <Frequency>1 MHz</Frequency>
    <DelayCompensation>0</DelayCompensation>
    <SyncSource>
      <Value>GPS</Value>
    </SyncSource>
  </TimingConfiguration>
</TimingGrandMasterConfiguration>
<TimingGrandSlaveConfiguration>
  <Profile>Telecom Profile</Profile>
  <DelayRequestRate>64 packets/sec</DelayRequestRate>
  <AnnounceReceiptTimeout>2</AnnounceReceiptTimeout>
  <SignallingConfiguration>
    <Signalling>>false</Signalling>

```

```

    <GrantDuration>300</GrantDuration>
    <AnnounceRate>1 packet/sec</AnnounceRate>
    <SyncRate>64 packets/sec</SyncRate>
  </SignallingConfiguration>
  <TimingConfiguration>
    <PPx>PPS</PPx>
    <Frequency>1 MHz</Frequency>
    <OffsetCompensation>0</OffsetCompensation>
    <TimeOfDay>
      <BaudRate>1200</BaudRate>
      <Format>Calendar</Format>
    </TimeOfDay>
    <SyncSource>
      <Value>PTP</Value>
    </SyncSource>
  </TimingConfiguration>
</TimingGrandSlaveConfiguration>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

```

```

  xsi:type="TimingPTPConfigParameterOrderType">
    <Topology>Boundary</Topology>
    <TransportMode>Unicast</TransportMode>
    <TransportEncapsulation>IPv4</TransportEncapsulation>
    <IPV4DSCP>56</IPV4DSCP>
  </ServiceOrderParameter>
  <FrequencySettings>
    <NetworkOption>Option-1</NetworkOption>
    <ClockMode>Auto</ClockMode>
    <EnableQualityMode>true</EnableQualityMode>
    <SourceSelectionMode>Configured Quality</SourceSelectionMode>
    <HoldIntervalSettings>
      <ConfigChange>15</ConfigChange>
      <Restart>120</Restart>
      <SwitchOver>30</SwitchOver>
      <SwitchOverMode>Revertive</SwitchOverMode>
    </HoldIntervalSettings>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <Timing

```

href="/api/space/nsas/prestage-timing-device/manage-devices/devices/33558"

```

uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/33558"
  key="33558">
    <DeviceName>junos-mx480-space</DeviceName>
    <DeviceID>33558</DeviceID>
  </Timing>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-2/0/9</InterfaceName>
  <ESMCTransmit>ge-2/0/2,ge-2/0/3</ESMCTransmit>
  <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointFrequencyConfigOrderType">
  <MinimumQualityLevel>PRC</MinimumQualityLevel>
  <Override>Default</Override>
  <Priority>1</Priority>
  <WaitToRestore>5</WaitToRestore>
  <PTPMasters>
    <DeviceInfo>
      <Timing

```

```
href="/api/space/nsas/prestage-timing-device/manage-devices/devices/33623"
```

```

uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/33623"
  key="33623">
    <DeviceName>access-hcl-bgm</DeviceName>
    <DeviceID>33623</DeviceID>
  </Timing>
</DeviceInfo>
</PTPMasters>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <Timing

```

```
href="/api/space/nsas/prestage-timing-device/manage-devices/devices/33472"
```

```

uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/33472"
  key="33472">
    <DeviceName>embassy</DeviceName>
    <DeviceID>33472</DeviceID>

```

```

        </Timing>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-1/0/7</InterfaceName>
        <ESMCTransmit>ge-1/0/1</ESMCTransmit>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="TimingPTPEndPointFrequencyConfigOrderType">
            <MinimumQualityLevel>SEC</MinimumQualityLevel>
            <Override>Force switch</Override>
            <Priority>1</Priority>
            <WaitToRestore>5</WaitToRestore>
            <PTPMasters>
                <DeviceInfo>
                    <Timing
href="/api/space/nsas/prestage-timing-device/manage-devices/devices/33623"

uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/33623"
    key="33623">
        <DeviceName>access-hcl-bgm</DeviceName>
        <DeviceID>33623</DeviceID>
        </Timing>
    </DeviceInfo>
    </PTPMasters>
    </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <Timing
href="/api/space/nsas/prestage-timing-device/manage-devices/devices/33287"

uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/33287"
    key="33287">
        <DeviceName>kochin</DeviceName>
        <DeviceID>33287</DeviceID>
        </Timing>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/0/7</InterfaceName>

```

```

        <ESMCTransmit>ge-0/0/4,ge-0/0/3</ESMCTransmit>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointFrequencyConfigOrderType">
            <MinimumQualityLevel>SSU-B</MinimumQualityLevel>
            <Override>Lockout</Override>
            <Priority>3</Priority>
            <WaitToRestore>6</WaitToRestore>
            <PTPMasters>
            <DeviceInfo>
                <Timing

href="/api/space/nsas/prestage-timing-device/manage-devices/devices/33623"

uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/33623"
    key="33623">
        <DeviceName>access-hcl-bgm</DeviceName>
        <DeviceID>33623</DeviceID>
    </Timing>
    </DeviceInfo>
    </PTPMasters>
    </ServiceEndpointConfiguration>
    </ServiceEndPoint>
    </ServiceEndPointGroup>
    <SynceServiceDefinition>
        <ServiceDefinitionID key="196608"

href="/api/space/nsas/sync-e/service-management/service-definitions/196608"

uri="/api/space/nsas/sync-e/service-management/service-definitions/196608"
/>
    </SynceServiceDefinition>
    </FrequencySettings>
    <Reference>
        <ServiceDefinition>
            <ServiceDefinitionID key="163868"

href="/api/space/nsas/timing-ptp/service-management/service-definitions/163868"

uri="/api/space/nsas/timing-ptp/service-management/service-definitions/163868"
/>

```

```

    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Create a PTP Service Order with Hybrid Mode

This request is used to create a PTP service order.

| | |
|--------------|--|
| URI | /api/space/nsas/timing-ntp/service-management/ service-orders/ |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management. service-order+xml |
| Produces | Creates a PTP service order. |

Input

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>Test_Hybrid</Name>
      </Common>
      <PTPDomain>1</PTPDomain>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <Timing>
            <DeviceName>kochin</DeviceName>
          </Timing>
        </DeviceInfo>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>
</Data>

```

```

        <DeviceID>33287</DeviceID>
    </Timing>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge-0/0/1.0</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
        <DeviceType>Boundary</DeviceType>
        <Priority1>128</Priority1>
        <Priority2>128</Priority2>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <Timing>
            <DeviceName>access-hcl-bgm</DeviceName>
            <DeviceID>33623</DeviceID>
        </Timing>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>eth1</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
            <DeviceType>Master</DeviceType>
            <Priority1>128</Priority1>
            <Priority2>128</Priority2>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <Timing>
            <DeviceName>embassy</DeviceName>
            <DeviceID>33472</DeviceID>
        </Timing>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-1/0/0.0</InterfaceName>
        <ServiceEndpointConfiguration

```

```

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
    <DeviceType>Slave</DeviceType>
    <AcceptableMasters>
    <DeviceInfo>
        <DeviceID>33623</DeviceID>
        <InterfaceName>eth1</InterfaceName>
    </DeviceInfo>
    </AcceptableMasters>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
    <Timing>
        <DeviceName>junos-mx480-space</DeviceName>
        <DeviceID>33558</DeviceID>
    </Timing>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-2/0/2.0</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
    <DeviceType>Slave</DeviceType>
    <AcceptableMasters>
    <DeviceInfo>
        <DeviceID>33623</DeviceID>
        <InterfaceName>eth1</InterfaceName>
    </DeviceInfo>
    </AcceptableMasters>
    </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
    <Timing>
        <DeviceName>kochin</DeviceName>
        <DeviceID>33287</DeviceID>
    </Timing>
    </DeviceInfo>
    <ServiceEndPoint>

```

```

    <InterfaceName>ge-0/3/6.0</InterfaceName>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
    <DeviceType>Slave</DeviceType>
    <AcceptableMasters>
    <DeviceInfo>
    <DeviceID>33623</DeviceID>
    <InterfaceName>eth1</InterfaceName>
    </DeviceInfo>
    </AcceptableMasters>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<TimingGrandMasterConfiguration>
    <Profile>Telecom Profile</Profile>
    <TwoStep>false</TwoStep>
    <SyncRate>64 packets/sec</SyncRate>
    <AnnounceRate>1 packet/8 sec</AnnounceRate>
    <DelayRequestRate>64 packets/sec</DelayRequestRate>
    <AnnounceReceiptTimeout>2</AnnounceReceiptTimeout>
    <ContinuousARP>false</ContinuousARP>
    <SignallingConfiguration>
    <Signalling>false</Signalling>
    <DelayRateMin>1 packet/sec</DelayRateMin>
    <DelayRateMax>64 packets/sec</DelayRateMax>
    <AnnounceRateMin>1 packet/sec</AnnounceRateMin>
    <AnnounceRateMax>1 packet/8 sec</AnnounceRateMax>
    <SyncRateMin>1 packet/sec</SyncRateMin>
    <SyncRateMax>64 packets/sec</SyncRateMax>
    </SignallingConfiguration>
    <TimingConfiguration>
    <IRIG-B>B000</IRIG-B>
    <Frequency>1 MHz</Frequency>
    <DelayCompensation>0</DelayCompensation>
    <SyncSource>
    <Value>GPS</Value>
    </SyncSource>
    </TimingConfiguration>
</TimingGrandMasterConfiguration>
<TimingGrandSlaveConfiguration>
    <Profile>Telecom Profile</Profile>

```

```

<DelayRequestRate>64 packets/sec</DelayRequestRate>
<AnnounceReceiptTimeout>2</AnnounceReceiptTimeout>
<SignallingConfiguration>
  <Signalling>false</Signalling>
  <GrantDuration>300</GrantDuration>
  <AnnounceRate>1 packet/sec</AnnounceRate>
  <SyncRate>64 packets/sec</SyncRate>
</SignallingConfiguration>
<TimingConfiguration>
  <PPx>PPS</PPx>
  <Frequency>1 MHz</Frequency>
  <OffsetCompensation>0</OffsetCompensation>
  <TimeOfDay>
    <BaudRate>1200</BaudRate>
    <Format>Calendar</Format>
  </TimeOfDay>
  <SyncSource>
    <Value>PTP</Value>
  </SyncSource>
</TimingConfiguration>
</TimingGrandSlaveConfiguration>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPConfigParameterOrderType">
  <Topology>Boundary</Topology>
  <TransportEncapsulation>IPv4</TransportEncapsulation>
  <IPv4DSCP>56</IPv4DSCP>
</ServiceOrderParameter>
<FrequencySettings>
  <NetworkOption>Option-1</NetworkOption>
  <EnableQualityMode>true</EnableQualityMode>
  <SourceSelectionMode>Configured Quality</SourceSelectionMode>
  <HoldIntervalSettings>
    <ConfigChange>15</ConfigChange>
    <Restart>120</Restart>
    <SwitchOver>30</SwitchOver>
    <SwitchOverMode>Revertive</SwitchOverMode>
  </HoldIntervalSettings>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <Timing>
        <DeviceName>junos-mx480-space</DeviceName>
        <DeviceID>33558</DeviceID>

```

```

        </Timing>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-2/0/9</InterfaceName>
        <ESMCTransmit>ge-2/0/2,ge-2/0/3</ESMCTransmit>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="TimingPTPEndPointFrequencyConfigOrderType">
            <MinimumQualityLevel>PRC</MinimumQualityLevel>
            <Override>Default</Override>
            <Priority>1</Priority>
            <WaitToRestore>5</WaitToRestore>
            <PTPMasters>
                <DeviceInfo>
                    <Timing>
                        <DeviceName>access-hcl-bgm</DeviceName>
                        <DeviceID>33623</DeviceID>
                    </Timing>
                </DeviceInfo>
            </PTPMasters>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <Timing>
            <DeviceName>embassy</DeviceName>
            <DeviceID>33472</DeviceID>
        </Timing>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-1/0/7</InterfaceName>
        <ESMCTransmit>ge-1/0/1</ESMCTransmit>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="TimingPTPEndPointFrequencyConfigOrderType">
            <MinimumQualityLevel>SEC</MinimumQualityLevel>
            <Override>Force switch</Override>
            <Priority>1</Priority>
            <WaitToRestore>5</WaitToRestore>
            <PTPMasters>
                <DeviceInfo>

```

```

        <Timing>
            <DeviceName>access-hcl-bgm</DeviceName>
            <DeviceID>33623</DeviceID>
        </Timing>
    </DeviceInfo>
</PTPMasters>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <Timing>
            <DeviceName>kochin</DeviceName>
            <DeviceID>33287</DeviceID>
        </Timing>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/0/7</InterfaceName>
        <ESMCTransmit>ge-0/0/4,ge-0/0/3</ESMCTransmit>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointFrequencyConfigOrderType">
            <MinimumQualityLevel>SSU-B</MinimumQualityLevel>
            <Override>Lockout</Override>
            <Priority>3</Priority>
            <WaitToRestore>6</WaitToRestore>
            <PTPMasters>
                <DeviceInfo>
                    <Timing>
                        <DeviceName>access-hcl-bgm</DeviceName>
                        <DeviceID>33623</DeviceID>
                    </Timing>
                </DeviceInfo>
            </PTPMasters>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<SynceServiceDefinition>
    <ServiceDefinitionID key="196608"/>
</SynceServiceDefinition>
</FrequencySettings>
<Reference>

```

```

    <ServiceDefinition>
      <ServiceDefinitionID key="163868" />
    </ServiceDefinition>
  </Reference>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="ServiceOrderCustomActionType">
  <Action>SaveAndDeployNow</Action>
</CustomAction>
</Data>

```

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>6553609</Value>
    </Identity>
    <Job>
      <ID>1998898</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service Order Recreated Successfully and Deployment is in
      Progress. Please check the status using the JOB ID.</Message>
  </Status>
</Data>

```

Get a PTP over Ethernet Service Order By Service Order ID

This request is used to retrieve the details of a particular PTPoE service order, based on the service order ID.

| | |
|-------------|---|
| URI | /api/space/nsas/timing-ntp/service-management/service-orders/<service-order-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Collects the details of a specific PTPoE service order. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>Scenario6SothroughAPI</Name>
        <Identity>98838</Identity>
        <State>Invalid</State>
        <CreatedDate>2014-07-08T19:55:30.000+05:30</CreatedDate>
        <LastUpdatedDate>2014-07-08T19:55:30.000+05:30</LastUpdatedDate>
        <CreatedBy>super</CreatedBy>
      </Common>
      <ServiceType>PTP</ServiceType>
      <PTPDomain>1</PTPDomain>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <Timing key="153"
uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/153"
href="/api/space/nsas/prestage-timing-device/manage-devices/devices/153">
            <DeviceName>fortius-f2100-a</DeviceName>
            <DeviceID>153</DeviceID>
          </Timing>
        </DeviceInfo>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>
</Data>
```

```

        </DeviceInfo>
        <ServiceEndPoint>
            <InterfaceName>ge-1/0/2.0</InterfaceName>
            <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
                <DeviceType>Boundary</DeviceType>
                <Priority1>128</Priority1>
                <Priority2>128</Priority2>
            </ServiceEndpointConfiguration>
        </ServiceEndPoint>
    </ServiceEndPointGroup>
    <ServiceEndPointGroup>
        <DeviceInfo>
            <Timing key="153"
uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/153"
href="/api/space/nsas/prestage-timing-device/manage-devices/devices/153">
                <DeviceName>fortius-f2100-a</DeviceName>
                <DeviceID>153</DeviceID>
            </Timing>
        </DeviceInfo>
        <ServiceEndPoint>
            <InterfaceName>ge-1/2/0.0</InterfaceName>
            <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
                <DeviceType>Slave</DeviceType>
                <Mode>Hybrid</Mode>
            </ServiceEndpointConfiguration>
        </ServiceEndPoint>
    </ServiceEndPointGroup>
    <TimingGrandMasterConfiguration>
        <Profile>Default</Profile>
        <TwoStep>>false</TwoStep>
        <SyncRate>64 packets/sec</SyncRate>
        <AnnounceRate>1 packet/8 sec</AnnounceRate>
        <DelayRequestRate>64 packets/sec</DelayRequestRate>
        <AnnounceReceiptTimeout>2</AnnounceReceiptTimeout>
        <ContinuousARP>>false</ContinuousARP>
        <SignallingConfiguration>
            <Signalling>>false</Signalling>
            <DelayRateMin>1 packet/sec</DelayRateMin>

```

```

    <DelayRateMax>64 packets/sec</DelayRateMax>
    <AnnounceRateMin>1 packet/sec</AnnounceRateMin>
    <AnnounceRateMax>1 packet/8 sec</AnnounceRateMax>
    <SyncRateMin>1 packet/sec</SyncRateMin>
    <SyncRateMax>64 packets/sec</SyncRateMax>
  </SignallingConfiguration>
  <TimingConfiguration>
    <IRIG-B>B000</IRIG-B>
    <Frequency>1 MHz</Frequency>
    <DelayCompensation>0</DelayCompensation>
    <SyncSource>
      <Value>GPS</Value>
    </SyncSource>
  </TimingConfiguration>
</TimingGrandMasterConfiguration>
<TimingGrandSlaveConfiguration>
  <Profile>Default</Profile>
  <DelayRequestRate>64 packets/sec</DelayRequestRate>
  <AnnounceReceiptTimeout>2</AnnounceReceiptTimeout>
  <SignallingConfiguration>
    <Signalling>>false</Signalling>
    <GrantDuration>300</GrantDuration>
    <AnnounceRate>1 packet/sec</AnnounceRate>
    <SyncRate>64 packets/sec</SyncRate>
  </SignallingConfiguration>
  <PTPESMCMMapping>
    <EnableClockClass>>false</EnableClockClass>
    <NetworkOption>Option-1</NetworkOption>
    <QualityLevel>PRC</QualityLevel>
    <ClockClass>0</ClockClass>
  </PTPESMCMMapping>
  <TimingConfiguration>
    <PPx>PPS</PPx>
    <Frequency>1 MHz</Frequency>
    <OffsetCompensation>0</OffsetCompensation>
    <TimeOfDay>
      <BaudRate>1200</BaudRate>
      <Format>Calendar</Format>
    </TimeOfDay>
    <SyncSource>
      <Value>PTP</Value>
    </SyncSource>

```

```

        </TimingConfiguration>
    </TimingGrandSlaveConfiguration>
    <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPConfigParameterOrderType">
        <Topology>Boundary</Topology>
        <TransportMode>Multicast</TransportMode>
        <TransportEncapsulation>IEEE-802.3-Link Local</TransportEncapsulation>

        <IPV4DSCP>56</IPV4DSCP>
        <EnablePTPResiliency>false</EnablePTPResiliency>
    </ServiceOrderParameter>
    <FrequencySettings>
        <NetworkOption>Option-1</NetworkOption>
        <ClockMode>Auto</ClockMode>
        <EnableQualityMode>false</EnableQualityMode>
        <SourceSelectionMode>Configured Quality</SourceSelectionMode>
        <HoldIntervalSettings>
            <ConfigChange>15</ConfigChange>
            <Restart>120</Restart>
            <SwitchOver>30</SwitchOver>
            <SwitchOverMode>Revertive</SwitchOverMode>
        </HoldIntervalSettings>
        <ServiceEndPointGroup>
            <DeviceInfo>
                <Timing key="153"
uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/153"
href="/api/space/nsas/prestage-timing-device/manage-devices/devices/153">
                    <DeviceName>fortius-f2100-a</DeviceName>
                    <DeviceID>153</DeviceID>
                </Timing>
            </DeviceInfo>
            <ServiceEndPoint>
                <InterfaceName>ge-1/0/2</InterfaceName>
                <ESMCTransmit>ge-1/0/1</ESMCTransmit>
                <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointFrequencyConfigOrderType">
                    <MinimumQualityLevel>PRC</MinimumQualityLevel>
                    <Override>Default</Override>
                    <Priority>1</Priority>
                    <WaitToRestore>5</WaitToRestore>

```

```

        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<SynceServiceDefinition>
    <ServiceDefinitionID
uri="/api/space/nsas/sync-e/service-management/service-definitions/163840"
href="/api/space/nsas/sync-e/service-management/service-definitions/163840"
key="163840"/>
    </SynceServiceDefinition>
</FrequencySettings>
<Reference>
    <ServiceDefinition>
        <ServiceDefinitionID
uri="/api/space/nsas/timing-ntp/service-management/service-definitions/98774"
href="/api/space/nsas/timing-ntp/service-management/service-definitions/98774"
key="98774"/>
    </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Create a PTP over Ethernet Service Order

This request is used to create a PTPoE service order.

| | |
|--------------|--|
| URI | /api/space/nsas/timing-ntp/service-management/ service-orders/ |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management. service-order+xml |
| Produces | Creates a PTPoE service order. |

Input With Hybrid enabled

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>Scenario6SothroughAPI</Name>
      </Common>
      <ServiceType>PTP</ServiceType>
      <PTPDomain>1</PTPDomain>
      <Action>Provisioning</Action>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <Timing key="153"
uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/153"
href="/api/space/nsas/prestage-timing-device/manage-devices/devices/153">
            <DeviceName>fortius-f2100-a</DeviceName>
            <DeviceID>153</DeviceID>
          </Timing>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/0/2.0</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
            <DeviceType>Boundary</DeviceType>

          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <Timing key="153"
uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/153"
href="/api/space/nsas/prestage-timing-device/manage-devices/devices/153">
            <DeviceName>fortius-f2100-a</DeviceName>
            <DeviceID>153</DeviceID>
          </Timing>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-1/2/0.0</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
```

```

xsi:type="TimingPTPEndPointConfigOrderType">
  <DeviceType>Slave</DeviceType>
  <Mode>Hybrid</Mode>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<TimingGrandMasterConfiguration>

  <SignallingConfiguration>

</SignallingConfiguration>
<TimingConfiguration>

  <SyncSource>
    <Value>GPS</Value>
  </SyncSource>
</TimingConfiguration>
</TimingGrandMasterConfiguration>
<TimingGrandSlaveConfiguration>

  <SignallingConfiguration>

</SignallingConfiguration>
<PTPESMCMMapping>

</PTPESMCMMapping>
<TimingConfiguration>

  <TimeOfDay>

</TimeOfDay>
  <SyncSource>
    <Value>PTP</Value>
  </SyncSource>
</TimingConfiguration>
</TimingGrandSlaveConfiguration>
  <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPConfigParameterOrderType">

  </ServiceOrderParameter>

```

```

    <FrequencySettings>
    <NetworkOption>Option-1</NetworkOption>

    <ServiceEndPointGroup>
    <DeviceInfo>
    <Timing key="153"
uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/153"
href="/api/space/nsas/prestage-timing-device/manage-devices/devices/153">
    <DeviceName>fortius-f2100-a</DeviceName>
    <DeviceID>153</DeviceID>
    </Timing>
    </DeviceInfo>
    <ServiceEndPoint>
    <InterfaceName>ge-1/0/2</InterfaceName>
    <ESMCTransmit>ge-1/0/1</ESMCTransmit>
    <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointFrequencyConfigOrderType">

    </ServiceEndpointConfiguration>
    </ServiceEndPoint>
    </ServiceEndPointGroup>
    <SyncServiceDefinition>
    <ServiceDefinitionID
uri="/api/space/nsas/sync-e/service-management/service-definitions/163840"
href="/api/space/nsas/sync-e/service-management/service-definitions/163840"
key="163840"/>
    </SyncServiceDefinition>
    </FrequencySettings>
    <Reference>
    <ServiceDefinition>
    <ServiceDefinitionID
uri="/api/space/nsas/timing-ntp/service-management/service-definitions/98774"
href="/api/space/nsas/timing-ntp/service-management/service-definitions/98774"
key="98774"/>
    </ServiceDefinition>
    </Reference>
    </ServiceOrder>
    </ServiceResource>
  </Data>

```

Input With (Topology: Boundary and Transport Mode :Multicast)

Sample XML Input

```

    <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
    <ServiceOrder>
    <Common>
    <Name>SampleTest</Name>
    </Common>
    <ServiceType>PTP</ServiceType>
    <PTPDomain>1</PTPDomain>
    <Action>Provisioning</Action>
    <ServiceEndPointGroup>
    <DeviceInfo>
    <Timing key="187"
    uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/187"
    href="/api/space/nsas/prestage-timing-device/manage-devices/devices/187">
    <DeviceName>junos-space5</DeviceName>
    <DeviceID>187</DeviceID>
    </Timing>
    </DeviceInfo>
    <ServiceEndPoint>
    <InterfaceName>ge-0/1/1.0</InterfaceName>
    <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="TimingPTPEndPointConfigOrderType">
    <DeviceType>Boundary</DeviceType>

    </ServiceEndpointConfiguration>
    </ServiceEndPoint>
    </ServiceEndPointGroup>
    <ServiceEndPointGroup>
    <DeviceInfo>
    <Timing key="187"
    uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/187"
    href="/api/space/nsas/prestage-timing-device/manage-devices/devices/187">

```

```

<DeviceName>junos-space5</DeviceName>
<DeviceID>187</DeviceID>
</Timing>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge-0/1/6.2</InterfaceName>
<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
<DeviceType>Slave</DeviceType>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<TimingGrandMasterConfiguration>

<SignallingConfiguration>

</SignallingConfiguration>
<TimingConfiguration>

<SyncSource>
<Value>GPS</Value>
</SyncSource>
</TimingConfiguration>
</TimingGrandMasterConfiguration>
<TimingGrandSlaveConfiguration>

<SignallingConfiguration>

</SignallingConfiguration>
<PTPESMCMMapping>

</PTPESMCMMapping>
<TimingConfiguration>

<TimeOfDay>

</TimeOfDay>
<SyncSource>
<Value>PTP</Value>
</SyncSource>

```

```

</TimingConfiguration>
</TimingGrandSlaveConfiguration>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="TimingPTPConfigParameterOrderType">

</ServiceOrderParameter>
<Reference>
<ServiceDefinition>
<ServiceDefinitionID
uri="/api/space/nsas/timing-ntp/service-management/service-definitions/98554"
href="/api/space/nsas/timing-ntp/service-management/service-definitions/98554"
key="98554"/>
</ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>

```

Input With (Topology: Ordinary and Transport Mode :Multicast)

Sample XML Input

```

    <Data xmlns="services.schema.networkapi.jmp.juniper.net">
      <ServiceResource>
        <ServiceOrder>
          <Common>
            <Name>scenaruio4</Name>
            <Identity>98759</Identity>
            <State>Invalid</State>
            <CreatedDate>2014-07-08T19:33:57.000+05:30</CreatedDate>
            <LastUpdatedDate>2014-07-08T19:33:57.000+05:30</LastUpdatedDate>
            <CreatedBy>super</CreatedBy>
          </Common>
          <ServiceType>PTP</ServiceType>
          <PTPDomain>1</PTPDomain>
          <Action>Provisioning</Action>
          <ServiceEndPointGroup>
            <DeviceInfo>

```

```

    <Timing key="119"
uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/119"
href="/api/space/nsas/prestage-timing-device/manage-devices/devices/119">
    <DeviceName>fortius-f2100-b</DeviceName>
    <DeviceID>119</DeviceID>
  </Timing>
</DeviceInfo>
<ServiceEndPoint>
<InterfaceName>ge-1/0/0.0</InterfaceName>
<ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
  <DeviceType>Slave</DeviceType>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<TimingGrandMasterConfiguration>

<SignallingConfiguration>

</SignallingConfiguration>
<TimingConfiguration>

<SyncSource>
<Value>PTP</Value>
</SyncSource>
</TimingConfiguration>
</TimingGrandMasterConfiguration>
<TimingGrandSlaveConfiguration>

<SignallingConfiguration>

</SignallingConfiguration>
<PTPESMCMMapping>

</PTPESMCMMapping>
<TimingConfiguration>

<TimeOfDay>

</TimeOfDay>
<SyncSource>

```

```

    <Value>PTP</Value>
  </SyncSource>
</TimingConfiguration>
</TimingGrandSlaveConfiguration>
  <ServiceOrderParameter
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPConfigParameterOrderType">

    </ServiceOrderParameter>
    <Reference>
      <ServiceDefinition>
        <ServiceDefinitionID
uri="/api/space/nsas/timing-ntp/service-management/service-definitions/98707"
href="/api/space/nsas/timing-ntp/service-management/service-definitions/98707"
key="98707"/>
        </ServiceDefinition>
      </Reference>
    </ServiceOrder>
  </ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>1015920</Value>
    </Identity>
    <Job>
      <ID>295138</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
  </Status>
</Data>

```

```
<Message>The Service Order Created Successfully and Validation is in
Progress. Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Validate a PTP Service Order

This request is used to validate a previously created PTP service order.

| | |
|--------------|--|
| URI | api/space/nsas/timing-ntp/service-management/service-orders/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management.service-order+xml |
| Consumes | <div>application/vnd.net.juniper.space.service-management.service-order-status+xml</div> <div>The options must be specified in the Action Element inside OperationSpecificData. The various options are as follows:</div> <div><ul style="list-style-type: none">• DeployNow (Deploy an already created SO)• DeployLater (Deploy Later an already created SO)• ValidateNow (Validate now an already created SO)• ValidateLater (Validate later an already created SO)• PartialDeleteNow (Delete the partially created configuration now)• PartialDeleteLater (Delete the partially created configuration Later)</div> |
| Produces | Validates a previously created PTP service order. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="ServiceOrderCustomActionType">
    <Action>DeployNow</Action>
    <ScheduledDateTime>2013-05-30T19:07:18.000+05:30</ScheduledDateTime>
  </CustomAction>
</Data>
```

View the Pending Configuration of a PTP Service Order

This request is used to view the details of a PTP service order that are pending to be applied to a device.

| | |
|-------------|--|
| URI | api/space/nsas/timing-ntp/service-management/service-orders/ view-pendingorderconfiguration/<serviceOrder-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. pendingorder-config+xml |
| Produces | Displays the configuration details of a service order pending to be applied to a device. |

Output

Sample XML Output

```
<Data
  xmlns="services.schema.networkapi.jmp.juniper.net">
  <PendingOrderConfiguration>
    <PendingOrderConfigDeviceEnd>
      <DeviceName>access-hcl-bgm</DeviceName>
      <Configuration>
        <configuration
          xmlns:a="http://xml.juniper.net/tcaos/3.0.0">
          <ntp-protocol>
            <ntp-common>
```

```

        <domain>1</domain>
        <priority1>128</priority1>
        <priority2>128</priority2>
        <IPv4DSCP>57</IPv4DSCP>
        <unicastContinuous>0</unicastContinuous>
        <profile>2</profile>
        <logSyncInterval>6</logSyncInterval>
        <announceInterval>3</announceInterval>
        <logDelayReqInterval>6</logDelayReqInterval>
        <announceReceiptTimeout>2</announceReceiptTimeout>

    </ptp-common>
    <ptp-gm>
        <twoStep>0</twoStep>
        <interfaceName>eth0</interfaceName>
        <continuousARP>1</continuousARP>

    <announceIntervalRangeMin>0</announceIntervalRangeMin>

    <announceIntervalRangeMax>3</announceIntervalRangeMax>
        <syncIntervalRangeMin>0</syncIntervalRangeMin>
        <syncIntervalRangeMax>6</syncIntervalRangeMax>
        <delayIntervalRangeMin>0</delayIntervalRangeMin>

        <delayIntervalRangeMax>6</delayIntervalRangeMax>

        <addSlaves>
            <ip>20.1.46.2</ip>
        </addSlaves>
        <deleteGMCluster>
            <ip>10.216.114.206</ip>
        </deleteGMCluster>
    </ptp-gm>
</ptp-protocol>
<timing>
    <gmtiming>
        <irigb-output>0</irigb-output>
    </gmtiming>
    <frequency>1</frequency>
    <compensation>0</compensation>
    <sync-src-priority>PTP
Internal</sync-src-priority>

```

```

        </timing>
    </configuration>
</Configuration>
</PendingOrderConfigDeviceEnd>
<PendingOrderConfigDeviceEnd>
    <DeviceName>access-bt750</DeviceName>
    <Configuration>
        <configuration
xmlns:a="http://xml.juniper.net/tcaos/3.0.0">
            <ptp-protocol>
                <ptp-common>
                    <domain>1</domain>
                    <IPv4DSCP>57</IPv4DSCP>
                    <unicastContinous>0</unicastContinous>
                    <profile>2</profile>
                    <logSyncInterval>6</logSyncInterval>
                    <announceInterval>0</announceInterval>
                    <logDelayReqInterval>6</logDelayReqInterval>
                    <announceReceiptTimeout>2</announceReceiptTimeout>

                    <signalling>1</signalling>
                </ptp-common>
                <ptp-slave>
                    <grantDuration>300</grantDuration>
                    <addMaster>
                        <ip>10.216.114.206</ip>
                    </addMaster>
                </ptp-slave>
            </ptp-protocol>
            <timing>
                <slavetiming>
                    <tod>
                        <baud-rate>0</baud-rate>
                        <format>0</format>
                    </tod>
                </slavetiming>
                <pps-output>PPS</pps-output>
                <frequency>1</frequency>
                <compensation>0</compensation>
                <sync-src-priority>PTP
Internal</sync-src-priority>
            </timing>

```

```
        </configuration>
      </Configuration>
    </PendingOrderConfigDeviceEnd>
  </PendingOrderConfiguration>
</Data>
```

PTP Services Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director Precision Time Protocol (PTP) Services Management RESTful Web Services.

Get a PTP Service By Service ID

This request is used to retrieve the details of a particular PTP service, based on the service ID.

| | |
|-------------|---|
| URI | /api/space/nsas/timing-ntp/service-management/ services/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service+xml |
| Produces | Collects the details of a specific PTP service. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service>
      <Common>
```

```

    <Name>Test</Name>
    <Identity>163902</Identity>
    <State>Deployed</State>
    <CreateDate>2013-05-31T18:56:59.000+05:30</CreateDate>
    <LastUpdatedDate>2013-05-31T18:56:59.000+05:30</LastUpdatedDate>
  </Common>
  <ServiceType>PTP</ServiceType>
  <PTPDomain>1</PTPDomain>
  <OrderType>Deployed</OrderType>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <Timing
href="/api/space/nsas/prestage-timing-device/manage-devices/devices/196907"

uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/196907"
    key="196907">
      <DeviceName>access-hcl-bgm</DeviceName>
      <DeviceID>196907</DeviceID>
    </Timing>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>eth0</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigServiceType">
      <DeviceType>Master</DeviceType>
      <Priority1>128</Priority1>
      <Priority2>128</Priority2>
      <Platform>C-2030</Platform>
      <IPAddress>10.216.114.89</IPAddress>
      <Status>up</Status>
      <PTPStatus>
        <Version>VERSION 2</Version>
        <PortStatus> PTP MASTER</PortStatus>
        <Mode>Grandmaster</Mode>
        <ClockClass> CLASS 6</ClockClass>
        <ClockAccuracy>100NS</ClockAccuracy>
        <Priority1>128</Priority1>
        <Priority2>128</Priority2>
        <PTPDomain>1</PTPDomain>
        <ClockVariance>0</ClockVariance>

```

```

    <DelayMechanism>E2E</DelayMechanism>
    <LI-59>FALSE</LI-59>
    <LI-61>FALSE</LI-61>
    <TwoStep>>false</TwoStep>
    <PortNumber>1</PortNumber>
    <ClockIdentity>00:18:0b:ff:fe:20:01:7a</ClockIdentity>
    <GMSrcPortId>00:18:0b:ff:fe:20:01:7a

    </GMSrcPortId>
    <UTCOffset>35</UTCOffset>
    <FreqTraceable>TRUE</FreqTraceable>
    <TimeTraceable>TRUE</TimeTraceable>
    <TimeSource>GPS</TimeSource>
    <PTPTimeScale>TRUE</PTPTimeScale>
    <SyncRate>64 packets/sec</SyncRate>
    <AnnounceRate>1 packet/8sec</AnnounceRate>
    <DelayRequestRate>64 packet/sec</DelayRequestRate>
  </PTPStatus>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <Timing

href="/api/space/nsas/prestage-timing-device/manage-devices/devices/196610"

uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/196610"
  key="196610">
    <DeviceName>access-bt750</DeviceName>
    <DeviceID>196610</DeviceID>
    </Timing>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>eth0</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigServiceType">
    <DeviceType>Slave</DeviceType>
    <AcceptableMasters>
    <DeviceInfo>
      <DeviceID>196907</DeviceID>

```

```

    <InterfaceName>eth0</InterfaceName>
  </DeviceInfo>
</AcceptableMasters>
<Platform>B-7510</Platform>
<IPAddress>10.216.114.115</IPAddress>
<Status>up</Status>
<PTPStatus>
  <PortStatus> PTP LISTENING</PortStatus>
  <Mode>Slave</Mode>
  <PTPDomain>1

  </PTPDomain>
</PTPStatus>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<TimingGrandMasterConfiguration>
  <Profile>Telecom Profile</Profile>
  <TwoStep>false</TwoStep>
  <SyncRate>64 packets/sec</SyncRate>
  <AnnounceRate>1 packet/8 sec</AnnounceRate>
  <DelayRequestRate>64 packets/sec</DelayRequestRate>
  <AnnounceReceiptTimeout>2</AnnounceReceiptTimeout>
  <ContinuousARP>false</ContinuousARP>
<SignallingConfiguration>
  <Signalling>false</Signalling>
  <DelayRateMin>1 packet/sec</DelayRateMin>
  <DelayRateMax>64 packets/sec</DelayRateMax>
  <AnnounceRateMin>1 packet/sec</AnnounceRateMin>
  <AnnounceRateMax>1 packet/8 sec</AnnounceRateMax>
  <SyncRateMin>1 packet/sec</SyncRateMin>
  <SyncRateMax>64 packets/sec</SyncRateMax>
</SignallingConfiguration>
<TimingConfiguration>
  <IRIG-B>B000</IRIG-B>
  <Frequency>5 MHZ</Frequency>
  <DelayCompensation>0</DelayCompensation>
  <SyncSource>
    <Value>GPS</Value>
    <Value>PTP</Value>
  </SyncSource>
</TimingConfiguration>

```

```

</TimingGrandMasterConfiguration>
<TimingGrandSlaveConfiguration>
  <Profile>Telecom Profile</Profile>
  <DelayRequestRate>64 packets/sec</DelayRequestRate>
  <AnnounceReceiptTimeout>2</AnnounceReceiptTimeout>
  <SignallingConfiguration>
    <Signalling>>false</Signalling>
    <GrantDuration>300</GrantDuration>
    <AnnounceRate>1 packet/sec</AnnounceRate>
    <SyncRate>64 packets/sec</SyncRate>
  </SignallingConfiguration>
  <PTPESMCMapping>
    <EnableClockClass>>false</EnableClockClass>
    <NetworkOption>Option-1</NetworkOption>
    <QualityLevel>PRC</QualityLevel>
    <ClockClass>80</ClockClass>
  </PTPESMCMapping>
  <TimingConfiguration>
    <PPx>PPS</PPx>
    <Frequency>5 MHZ</Frequency>
    <OffsetCompensation>0</OffsetCompensation>
    <TimeOfDay>
      <BaudRate>1200</BaudRate>
      <Format>Calendar</Format>
    </TimeOfDay>
    <SyncSource>
      <Value>PTP</Value>
      <Value>Internal</Value>
    </SyncSource>
  </TimingConfiguration>
</TimingGrandSlaveConfiguration>
<ServiceParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="TimingPTPConfigParameterServiceType">
  <ClockType>Ordinary Clock</ClockType>
  <TransportMode>Unicast</TransportMode>
  <TransportEncapsulation>IPv4</TransportEncapsulation>
  <IPV4DSCP>56</IPV4DSCP>
</ServiceParameter>
<Reference>
  <ServiceOrder key="163897"
    href="/api/space/nsas/timing-ntp/service-management/service-orders/163897"

```

```

    uri="/api/space/nsas/timing-ntp/service-management/service-orders/163897"
  />
  <ServiceDefinition>
    <ServiceDefinitionID key="32768"

href="/api/space/nsas/timing-ntp/service-management/service-definitions/32768"

uri="/api/space/nsas/timing-ntp/service-management/service-definitions/32768"
  />
    </ServiceDefinition>
  </Reference>
</Service>
</ServiceResource>
</Data>
```

Get All PTP Services

This request is used to retrieve all the configured PTP services.

| | |
|-------------|---|
| URI | /api/space/nsas/timing-ntp/service-management/services/ |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. services+xml |
| Produces | Collects all the configured PTP services. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="2">
```

```

<Service
  href="/api/space/nsas/timing-ntp/service-management/services/163902"
  uri="/api/space/nsas/timing-ntp/service-management/services/163902"
  key="163902">
  <Common>
    <Name>Test</Name>
    <Identity>163902</Identity>
    <State>Deployed</State>
    <Comments>Test for PTP Service</Comments>
    <CreatedDate>2013-05-31T18:56:59.000+05:30</CreatedDate>
    <LastUpdatedDate>2013-05-31T18:56:59.000+05:30</LastUpdatedDate>
  </Common>
  <ServiceType>PTP</ServiceType>
  <AuditFlag>
    <FunctionalAudit>Pending</FunctionalAudit>
  </AuditFlag>
  <Reference>
    <ServiceOrder key="163897"
      href="/api/space/nsas/timing-ntp/service-management/service-orders/163897"

      uri="/api/space/nsas/timing-ntp/service-management/service-orders/163897"
    />
    <ServiceDefinition>
      <ServiceDefinitionID key="32768"

      href="/api/space/nsas/timing-ntp/service-management/service-definitions/32768"

      uri="/api/space/nsas/timing-ntp/service-management/service-definitions/32768"
    />
    </ServiceDefinition>
  </Reference>
</Service>
<Service
  href="/api/space/nsas/timing-ntp/service-management/services/163922"
  uri="/api/space/nsas/timing-ntp/service-management/services/163922"
  key="163922">
  <Common>
    <Name>PTPService</Name>
    <Identity>163922</Identity>
    <State>Deployed</State>
    <Comments>Test</Comments>

```

```

    <CreatedDate>2013-05-31T18:58:45.000+05:30</CreatedDate>
    <LastUpdatedDate>2013-05-31T18:58:45.000+05:30</LastUpdatedDate>
  </Common>
  <ServiceType>PTP</ServiceType>
  <AuditFlag>
    <FunctionalAudit>Pending</FunctionalAudit>
  </AuditFlag>
  <Reference>
    <ServiceOrder key="163913"
      href="/api/space/nsas/timing-ntp/service-management/service-orders/163913"

      uri="/api/space/nsas/timing-ntp/service-management/service-orders/163913"
    />
    <ServiceDefinition>
      <ServiceDefinitionID key="98358"

      href="/api/space/nsas/timing-ntp/service-management/service-definitions/98358"

      uri="/api/space/nsas/timing-ntp/service-management/service-definitions/98358"
    />
    </ServiceDefinition>
  </Reference>
</Service>
</ServiceResource>
</Data>
```

Modify a PTP Service

This request is used to modify a PTP service for addition of parameters.

| | |
|--------------|---|
| URI | /api/space/nsas/timing-ntp/service-management/ services/<service-id> |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management. modify-service+xml |

| | |
|----------|---|
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml |
| Produces | Modifies a PTP service for addition of parameters. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>PTPUI3_Mod_01</Name>
        <Identity>33021</Identity>
      </Common>
      <PTPDomain>1</PTPDomain>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <Timing>
            <DeviceName>access-hcl-bgm</DeviceName>
            <DeviceID>3</DeviceID>
          </Timing>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>eth0</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="TimingPTPEndPointConfigOrderType">
            <DeviceType>Master</DeviceType>
            <Priority1>128</Priority1>
            <Priority2>128</Priority2>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <Timing>
            <DeviceName>access1-bt750</DeviceName>
            <DeviceID>12</DeviceID>
          </Timing>
```

```

    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>eth0</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
        <DeviceType>Slave</DeviceType>
        <AcceptableMasters>
          <DeviceInfo>
            <DeviceID>3</DeviceID>
            <InterfaceName>eth0</InterfaceName>
          </DeviceInfo>
        </AcceptableMasters>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <TimingGrandMasterConfiguration>
    <SyncRate>32 packets/sec</SyncRate>
    <TimingConfiguration>
      <SyncSource>
        <Value>PTP</Value>
        <Value>Internal</Value>
      </SyncSource>
    </TimingConfiguration>
  </TimingGrandMasterConfiguration>
  <TimingGrandSlaveConfiguration>
    <DelayRequestRate>32 packets/sec</DelayRequestRate>
    <AnnounceReceiptTimeout>4</AnnounceReceiptTimeout>
    <SignallingConfiguration>
      <Signalling>true</Signalling>
      <SyncRate>32 packets/sec</SyncRate>
    </SignallingConfiguration>
  </TimingGrandSlaveConfiguration>
  <ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

    xsi:type="TimingPTPConfigParameterOrderType">
    <IPV4DSCP>59</IPV4DSCP>
  </ServiceOrderParameter>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="ServiceOrderCustomActionType">

```

```
<Action>DeployNow</Action>
<ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
</CustomAction>
</Data>
```

Add Devices to a PTP Service

This request is used to add local devices to a PTP service.

| | |
|--------------|---|
| URI | api/space/nsas/timing-ntp/service-management/services/<serviceId>/add-devices |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.modify-service+xml |
| Consumes | application/vnd.net.juniper.space.service-management.modify-service+xml |
| Produces | Adds local devices to PTP services. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource>
  <ServiceOrder>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <Timing>
          <DeviceName>access1-hcl-bgm</DeviceName>
          <DeviceID>17</DeviceID>
        </Timing>
      </DeviceInfo>
```

```

    <ServiceEndPoint>
      <InterfaceName>eth0</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
        <DeviceType>Master</DeviceType>
        <Priority1>12</Priority1>
        <Priority2>12</Priority2>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <Timing>
        <DeviceName>junos-spacel</DeviceName>
        <DeviceID>64</DeviceID>
      </Timing>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-0/1/2.0</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
        <DeviceType>Slave</DeviceType>
        <AcceptableMasters>
          <DeviceInfo>
            <DeviceID>17</DeviceID>
            <InterfaceName>eth0</InterfaceName>
          </DeviceInfo>
        </AcceptableMasters>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceCustomActionType">
  <Action>Save</Action>
  <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
</CustomAction>
</Data>

```

Delete Devices from a PTP Service

This request is used to delete local devices from a PTP service.

| | |
|--------------|--|
| URI | api/space/nsas/timing-ntp/service-management/services/<serviceId>/delete-devices |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.modify-service+xml |
| Consumes | application/vnd.net.juniper.space.service-management.modify-service+xml |
| Produces | Deletes local devices from PTP services. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
      <ServiceOrder>
        <ServiceEndPointGroup>
          <DeviceInfo>
            <Timing>
              <DeviceName>access1-hcl-bgm</DeviceName>
              <DeviceID>17</DeviceID>
            </Timing>
          </DeviceInfo>
          <ServiceEndPoint>
            <InterfaceName>eth0</InterfaceName>
            <ServiceEndpointConfiguration
              xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
              xsi:type="TimingPTPEndPointConfigOrderType">
              <DeviceType>Master</DeviceType>
              <Priority1>12</Priority1>
              <Priority2>12</Priority2>
            </ServiceEndpointConfiguration>
          </ServiceEndPoint>
        </ServiceEndPointGroup>
      </ServiceOrder>
    </ServiceResource>
  </Data>
```

```
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <Timing>
      <DeviceName>junos-space1</DeviceName>
      <DeviceID>64</DeviceID>
    </Timing>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/2.0</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="TimingPTPEndPointConfigOrderType">
      <DeviceType>Slave</DeviceType>
      <AcceptableMasters>
        <DeviceInfo>
          <DeviceID>17</DeviceID>
          <InterfaceName>eth0</InterfaceName>
        </DeviceInfo>
      </AcceptableMasters>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="ServiceCustomActionType">
  <Action>Save</Action>
  <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
</CustomAction>
</Data>
```

Delete Devices in Frequency Settings Only from a PTP Service with Hybrid Mode

This request is used to delete local devices only in frequency settings from a PTP service.

| | |
|-----|---|
| URI | api/space/nsas/timing-ntp/service-management/services/{service-id}/hybrid-frequency-settings/delete-devices |
|-----|---|

| | |
|--------------|---|
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.modify-service+xml |
| Consumes | application/vnd.net.juniper.space.service-management.modify-service+xml |
| Produces | Deletes local devices from PTP services. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <Timing>
            <DeviceName>Kochin</DeviceName>
            <DeviceID>262147</DeviceID>
          </Timing>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/3/5</InterfaceName>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>102</Value>
    </Identity>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>1323</Value>
    </Identity>
    <Job>
      <ID>659612</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Modified Successfully and Validation is in
      Progress. Please check the status using the JOB ID.</Message>
    </Status>
  </Data>
```

Decommission a PTP Service

This request is used to decommission a previously created PTP service.

| | |
|--------------|--|
| URI | api/space/timing-ptp/service-management/ services/{serviceId} |
| HTTP Method | DELETE |
| Content-Type | application/vnd.net.juniper.space.service-management.service+xml |
| Produces | Decommissions a previously created PTP service. |

Output

Sample XML Output

```
<Data>
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>163871</Value>
    </Identity>
    <Job>
      <ID>1736704</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>
      Service Decommission was Successfully triggered. Please check the status
      using the JOB ID.
    </Message>
  </Status>
</Data>
```

Run a Functional Audit of a PTP Service

This request is run a functional audit of a PTP service.

| | |
|--------------|--|
| URI | api/space/timing-ntp/service-management/ services/<service-id> |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.service+xml The options for AuditNow and AuditLater can be provided in the Action element within the ?OperationSpecificData?. |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml |
| Produces | Performs a functional audit of a PTP service. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="FunctionalAuditCustomActionType">
<Action>AuditNow</Action>
  <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
</CustomAction>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>32788</Value>
    </Identity>
    <Job>
      <ID>360570</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Functional Audit was Successfully triggered. Please check
      the status using the JOB ID.</Message>
  </Status>
</Data>
```

Run a Configuration Audit of a PTP Service

This request is run a configuration audit of a PTP service.

| | |
|--------------|---|
| URI | api/space/timing-ntp/service-management/ services/<service-id> |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.service+xml The options for AuditNow and AuditLater can be provided in the Action element within the ?OperationSpecificData?. |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml |
| Produces | Performs a configuration audit of a PTP service. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?><?xml version="1.0"
encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ConfigAuditCustomActionType">
  <Action>AuditNow</Action>
  <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
</CustomAction>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?><?xml version="1.0"
encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ConfigAuditCustomActionType">
  <Action>AuditNow</Action>
  <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
</CustomAction>
</Data>
```

View the Functional Audit Results of a PTP Service

This request is display the functional audit results of a PTP service.

| | |
|-------------|---|
| URI | api/space/timing-ntp/service-management/ services/view-functional-audit/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service- management.functional-audit+xml |
| Produces | Displays the functional audit results of a PTP service. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <AuditResults>
    <FunctionalAuditResult>
      <Common>
        <Name>S01</Name>
        <Identity>32867</Identity>
        <State>Deployed</State>
```

```
</Common>
<ServiceType>PTP</ServiceType>
<OperationState>Down</OperationState>
<ServiceDefinitionName>Test</ServiceDefinitionName>
<NoOfUNIs>2</NoOfUNIs>
<UpUNIs>0</UpUNIs>
<DownUNIs>2</DownUNIs>
<DeviceEnd>
  <DeviceName>access-hcl-bgm</DeviceName>
  <Topology>N/A</Topology>
  <OperationState>Down</OperationState>
</DeviceEnd>
<DeviceEnd>
  <DeviceName>access7-bt750</DeviceName>
  <Topology>N/A</Topology>
  <OperationState>Down</OperationState>
</DeviceEnd>
</FunctionalAuditResult>
</AuditResults>
</Data>
```

View the Configuration Audit Results of a PTP Service

This request is display the configuration audit results of a PTP service.

| | |
|-------------|--|
| URI | api/space/timing-ptp/service-management/ services/view-configuration-audit/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. configuration-audit+xml |
| Produces | Displays the configuration audit results of a PTP service. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <AuditResults>
    <ConfigurationAuditResult>
      <ConfigDeviceEnd>
        <DeviceName>junos-space2</DeviceName>
        <DeviceStatus>Up</DeviceStatus>
        <Details>Successfully Config Audited
        </Details>
      </ConfigDeviceEnd>
    </ConfigurationAuditResult>
  </AuditResults>
</Data>
```

View the Service Configuration Change Results of a PTP Service

This request is display the service configuration changes of a PTP service.

| | |
|-------------|--|
| URI | api/space/timing-ptp/service-management/ services/view-serviceconfiguration-change/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service- management.config-change+xml |
| Produces | Displays the service configuration change results of a PTP service. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data
  xmlns="services.schema.networkapi.jmp.juniper.net">
  <AuditResults>
    <ServiceConfigurationChangeResult>
      <ServiceConfigDeviceEnd>
        <DeviceName>access-hcl-bgm</DeviceName>
        <Configuration>
          <configuration
            xmlns:a="http://xml.juniper.net/tcaos/3.0.0">
            <ptp-protocol>
              <ptp-common>
                <domain>1</domain>
                <priority1>128</priority1>
                <priority2>128</priority2>
                <IPv4DSCP>56</IPv4DSCP>
                <unicastContinuous>0</unicastContinuous>
                <profile>2</profile>
                <logSyncInterval>6</logSyncInterval>
                <announceInterval>3</announceInterval>
                <logDelayReqInterval>6</logDelayReqInterval>

                <announceReceiptTimeout>2</announceReceiptTimeout>
              </ptp-common>
              <ptp-gm>
                <twoStep>0</twoStep>
                <interfaceName>eth0</interfaceName>
                <continuousARP>0</continuousARP>

                <announceIntervalRangeMin>0</announceIntervalRangeMin>

                <announceIntervalRangeMax>3</announceIntervalRangeMax>
                <syncIntervalRangeMin>0</syncIntervalRangeMin>

                <syncIntervalRangeMax>6</syncIntervalRangeMax>

                <delayIntervalRangeMin>0</delayIntervalRangeMin>

                <delayIntervalRangeMax>6</delayIntervalRangeMax>
                <addSlaves>

```

```

        <ip>10.216.114.208</ip>
    </addSlaves>
</ptp-gm>
</ptp-protocol>
<timing>
    <gmtiming>
        <irigb-output>0</irigb-output>
    </gmtiming>
    <frequency>1</frequency>
    <compensation>0</compensation>
    <sync-src-priority>GPS
PTP</sync-src-priority>
    </timing>
</configuration>
</Configuration>
</ServiceConfigDeviceEnd>
<ServiceConfigDeviceEnd>
    <DeviceName>access7-bt750</DeviceName>
    <Configuration>
        <configuration
            xmlns:a="http://xml.juniper.net/tcaos/3.0.0">
            <ptp-protocol>
                <ptp-common>
                    <domain>1</domain>
                    <IPv4DSCP>56</IPv4DSCP>
                    <unicastContinous>0</unicastContinous>
                    <profile>2</profile>
                    <logSyncInterval>6</logSyncInterval>
                    <announceInterval>0</announceInterval>
                    <logDelayReqInterval>6</logDelayReqInterval>

<announceReceiptTimeout>2</announceReceiptTimeout>
                    <signalling>0</signalling>
                </ptp-common>
                <ptp-slave>
                    <grantDuration>300</grantDuration>
                    <addMaster>
                        <ip>10.216.114.89</ip>
                    </addMaster>
                </ptp-slave>
            </ptp-protocol>

```

```

        <timing>
            <slavetiming>
                <tod>
                    <baud-rate>0</baud-rate>
                    <format>0</format>
                </tod>
            </slavetiming>
            <pps-output>PPS</pps-output>
            <frequency>1</frequency>
            <compensation>0</compensation>
            <sync-src-priority>PTP
Internal</sync-src-priority>
        </timing>
    </configuration>
</ServiceConfigDeviceEnd>
</ServiceConfigurationChangeResult>
</AuditResults>
</Data>

```

Get a PTP Service with Boundary Clock By Service ID

This request is used to retrieve the details of a particular PTP service, based on the service ID.

| | |
|-------------|---|
| URI | /api/space/nsas/timing-ntp/service-management/ services/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service+xml |
| Produces | Collects the details of a specific PTP service. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service>
      <Common>
        <Name>test</Name>
        <Identity>102</Identity>
        <State>Deployed</State>
        <CreatedDate>2014-04-10T14:18:10.000+05:30</CreatedDate>
        <LastUpdatedDate>2014-04-10T14:18:10.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>PTP</ServiceType>
      <OrderType>Deployed</OrderType>
      <PTPDomain>1</PTPDomain>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <Timing
href="/api/space/nsas/prestage-timing-device/manage-devices/devices/33628"
  uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/33628"

          key="33628">
            <DeviceName>access1-hcl-bgm</DeviceName>
            <DeviceID>33628</DeviceID>
          </Timing>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>eth1</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigServiceType">
            <DeviceType>Master</DeviceType>
            <Priority1>128</Priority1>
            <Priority2>128</Priority2>
            <Platform>C-2030</Platform>
            <IPAddress>10.216.114.206</IPAddress>
            <Status>up</Status>
            <PTPStatus>
              <Version>VERSION 2</Version>
              <PortStatus> PTP MASTER</PortStatus>
              <Mode>Grandmaster</Mode>

```

```

    <ClockClass> CLASS 6</ClockClass>
    <ClockAccuracy>100NS</ClockAccuracy>
    <Priority1>128</Priority1>
    <Priority2>128</Priority2>
    <PTPDomain>1</PTPDomain>
    <ClockVariance>0</ClockVariance>
    <DelayMechanism>E2E</DelayMechanism>
    <LI-59>FALSE</LI-59>
    <LI-61>FALSE</LI-61>
    <TwoStep>false</TwoStep>
    <PortNumber>1</PortNumber>
    <ClockIdentity>00:18:0b:ff:fe:20:01:74</ClockIdentity>
    <GMSrcPortId>00:18:0b:ff:fe:20:01:74

</GMSrcPortId>
    <UTCOffset>35</UTCOffset>
    <FreqTraceable>TRUE</FreqTraceable>
    <TimeTraceable>TRUE</TimeTraceable>
    <TimeSource>GPS</TimeSource>
    <PTPTimeScale>TRUE</PTPTimeScale>
    <SyncRate>64 packets/sec</SyncRate>
    <AnnounceRate>1 packet/8sec</AnnounceRate>
    <DelayRequestRate>64 packet/sec</DelayRequestRate>
    </PTPStatus>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <Timing

href="/api/space/nsas/prestage-timing-device/manage-devices/devices/33359"
  uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/33359"

  key="33359">
    <DeviceName>junos-mx240-space</DeviceName>
    <DeviceID>33359</DeviceID>
    </Timing>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/0/2.0</InterfaceName>
    <ServiceEndpointConfiguration

```

```

        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigServiceType">
    <DeviceType>Boundary</DeviceType>
    <Priority1>128</Priority1>
    <Priority2>128</Priority2>
    <Platform>MX240</Platform>
    <IPAddress>10.216.114.101</IPAddress>
    <Status>up</Status>
    <PTPStatus />
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <Timing

href="/api/space/nsas/prestage-timing-device/manage-devices/devices/33507"
    uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/33507"

        key="33507">
            <DeviceName>junos-space3</DeviceName>
            <DeviceID>33507</DeviceID>
            </Timing>
        </DeviceInfo>
        <ServiceEndPoint>
            <InterfaceName>ge-0/1/2.2</InterfaceName>
            <ServiceEndpointConfiguration
                xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigServiceType">
                <DeviceType>Slave</DeviceType>
                <Platform>ACX2000</Platform>
                <IPAddress>10.216.114.121</IPAddress>
                <Status>down</Status>
                <PTPStatus />
                </ServiceEndpointConfiguration>
            </ServiceEndPoint>
        </ServiceEndPointGroup>
    </ServiceEndPointGroup>
    <DeviceInfo>
        <Timing

href="/api/space/nsas/prestage-timing-device/manage-devices/devices/33359"

```

```

uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/33359"

key="33359">
  <DeviceName>junos-mx240-space</DeviceName>
  <DeviceID>33359</DeviceID>
</Timing>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-0/0/3.0</InterfaceName>
  <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigServiceType">
    <DeviceType>Slave</DeviceType>
    <Platform>MX240</Platform>
    <IPAddress>10.216.114.101</IPAddress>
    <Status>up</Status>
    <PTPStatus />
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<TimingGrandMasterConfiguration>
  <Profile>Telecom Profile</Profile>
  <TwoStep>>false</TwoStep>
  <SyncRate>64 packets/sec</SyncRate>
  <AnnounceRate>1 packet/8 sec</AnnounceRate>
  <DelayRequestRate>64 packets/sec</DelayRequestRate>
  <AnnounceReceiptTimeout>2</AnnounceReceiptTimeout>
  <ContinuousARP>>false</ContinuousARP>
  <SignallingConfiguration>
    <Signalling>>true</Signalling>
    <DelayRateMin>1 packet/sec</DelayRateMin>
    <DelayRateMax>64 packets/sec</DelayRateMax>
    <AnnounceRateMin>1 packet/sec</AnnounceRateMin>
    <AnnounceRateMax>1 packet/8 sec</AnnounceRateMax>
    <SyncRateMin>1 packet/sec</SyncRateMin>
    <SyncRateMax>64 packets/sec</SyncRateMax>
  </SignallingConfiguration>
  <TimingConfiguration>
    <IRIG-B>B000</IRIG-B>
    <Frequency>1 MHz</Frequency>
    <DelayCompensation>0</DelayCompensation>
    <SyncSource>

```

```

        <Value>GPS</Value>
    </SyncSource>
</TimingConfiguration>
</TimingGrandMasterConfiguration>
<TimingGrandSlaveConfiguration>
    <Profile>Telecom Profile</Profile>
    <DelayRequestRate>64 packets/sec</DelayRequestRate>
    <AnnounceReceiptTimeout>2</AnnounceReceiptTimeout>
    <SignallingConfiguration>
        <Signalling>>false</Signalling>
        <GrantDuration>300</GrantDuration>
        <AnnounceRate>1 packet/sec</AnnounceRate>
        <SyncRate>64 packets/sec</SyncRate>
    </SignallingConfiguration>
    <PTPESMCMapping>
        <EnableClockClass>true</EnableClockClass>
        <NetworkOption>Option-1</NetworkOption>
        <QualityLevel>PRC</QualityLevel>
        <ClockClass>80</ClockClass>
    </PTPESMCMapping>
    <TimingConfiguration>
        <PPx>PPS</PPx>
        <Frequency>1 MHz</Frequency>
        <OffsetCompensation>0</OffsetCompensation>
        <TimeOfDay>
            <BaudRate>1200</BaudRate>
            <Format>Calendar</Format>
        </TimeOfDay>
        <SyncSource>
            <Value>PTP</Value>
        </SyncSource>
    </TimingConfiguration>
</TimingGrandSlaveConfiguration>
<ServiceParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="TimingPTPConfigParameterServiceType">
    <Topology>Boundary</Topology>
    <TransportMode>Unicast</TransportMode>
    <TransportEncapsulation>IPv4</TransportEncapsulation>
    <IPV4DSCP>56</IPV4DSCP>
</ServiceParameter>
<Reference>
    <ServiceOrder key="90"

```

```

    href="/api/space/nsas/timing-ntp/service-management/service-orders/90"
    uri="/api/space/nsas/timing-ntp/service-management/service-orders/90"
  />
  <ServiceDefinition>
    <ServiceDefinitionID key="1"

href="/api/space/nsas/timing-ntp/service-management/service-definitions/1"
    uri="/api/space/nsas/timing-ntp/service-management/service-definitions/1"
  />
    </ServiceDefinition>
  </Reference>
</Service>
</ServiceResource>
</Data>

```

Modify a PTP Service with Boundary Clock

This request is used to modify a PTP service for addition of parameters.

| | |
|--------------|---|
| URI | /api/space/nsas/timing-ntp/service-management/ services/<service-id> |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management. modify-service+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml |
| Produces | Modifies a PTP service for addition of parameters. |

Input

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>Modify</Name>
        <Comments>Test for modify</Comments>
      </Common>
      <PTPDomain>10</PTPDomain>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <Timing
href="/api/space/nsas/prestage-timing-device/manage-devices/devices/33628"
  uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/33628"

    key="33628">
      <DeviceName>access1-hcl-bgm</DeviceName>
      <DeviceID>33628</DeviceID>
      </Timing>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>eth1</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
        <DeviceType>Master</DeviceType>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <Timing
href="/api/space/nsas/prestage-timing-device/manage-devices/devices/33359"
  uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/33359"

    key="33359">
      <DeviceName>junos-mx240-space</DeviceName>
      <DeviceID>33359</DeviceID>
      </Timing>
    </DeviceInfo>

```

```

    <ServiceEndPoint>
      <InterfaceName>ge-0/0/2.0</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
        <DeviceType>Boundary</DeviceType>

      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
</ServiceEndPointGroup>
<DeviceInfo>
  <Timing

href="/api/space/nsas/prestage-timing-device/manage-devices/devices/33359"
  uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/33359"

  key="33359">
    <DeviceName>junos-mx240-space</DeviceName>
    <DeviceID>33359</DeviceID>
  </Timing>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-0/0/3.0</InterfaceName>
  <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
    <DeviceType>Slave</DeviceType>
    <AcceptableMasters>
      <DeviceInfo>
        <DeviceID>33628</DeviceID>
        <InterfaceName>eth1</InterfaceName>
      </DeviceInfo>
    </AcceptableMasters>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <Timing

href="/api/space/nsas/prestage-timing-device/manage-devices/devices/33507"

```

```

uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/33507"

key="33507">
  <DeviceName>junos-space3</DeviceName>
  <DeviceID>33507</DeviceID>
</Timing>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-0/1/2.2</InterfaceName>
  <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
    <DeviceType>Slave</DeviceType>
    <AcceptableMasters>
      <DeviceInfo>
        <DeviceID>33628</DeviceID>
        <InterfaceName>eth1</InterfaceName>
      </DeviceInfo>
    </AcceptableMasters>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<TimingGrandMasterConfiguration>
  <Profile>Telecom Profile</Profile>
  <TwoStep>>false</TwoStep>
  <SyncRate>64 packets/sec</SyncRate>
  <AnnounceRate>1 packet/8 sec</AnnounceRate>
  <DelayRequestRate>64 packets/sec</DelayRequestRate>
  <AnnounceReceiptTimeout>2</AnnounceReceiptTimeout>
  <ContinuousARP>>false</ContinuousARP>
  <SignallingConfiguration>
    <Signalling>>true</Signalling>
    <DelayRateMin>1 packet/sec</DelayRateMin>
    <DelayRateMax>64 packets/sec</DelayRateMax>
    <AnnounceRateMin>1 packet/sec</AnnounceRateMin>
    <AnnounceRateMax>1 packet/8 sec</AnnounceRateMax>
    <SyncRateMin>1 packet/sec</SyncRateMin>
    <SyncRateMax>64 packets/sec</SyncRateMax>
  </SignallingConfiguration>
  <TimingConfiguration>
    <IRIG-B>B000</IRIG-B>
    <Frequency>1 MHz</Frequency>

```

```

        <DelayCompensation>0</DelayCompensation>
    </TimingConfiguration>
</TimingGrandMasterConfiguration>
<TimingGrandSlaveConfiguration>
    <Profile>Telecom Profile</Profile>
    <DelayRequestRate>64 packets/sec</DelayRequestRate>
    <AnnounceReceiptTimeout>2</AnnounceReceiptTimeout>
    <SignallingConfiguration>
        <Signalling>>false</Signalling>
        <GrantDuration>300</GrantDuration>
        <SyncRate>64 packets/sec</SyncRate>
    </SignallingConfiguration>
    <PTPESMCMMapping>
        <EnableClockClass>true</EnableClockClass>
        <NetworkOption>Option-1</NetworkOption>
        <QualityLevel>PRC</QualityLevel>
        <ClockClass>80</ClockClass>
    </PTPESMCMMapping>
    <TimingConfiguration>
        <PPx>PPS</PPx>
        <Frequency>1 MHz</Frequency>
        <OffsetCompensation>0</OffsetCompensation>
        <TimeOfDay>
            <BaudRate>1200</BaudRate>
            <Format>Calendar</Format>
        </TimeOfDay>
    </TimingConfiguration>
</TimingGrandSlaveConfiguration>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

    xsi:type="TimingPTPConfigParameterOrderType">
    <IPV4DSCP>59</IPV4DSCP>
</ServiceOrderParameter>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>102</Value>
    </Identity>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>1323</Value>
    </Identity>
  <Job>
    <ID>659612</ID>
    <Status>INPROGRESS</Status>
  </Job>
  <Code>200</Code>
  <Message>The Service Modified Successfully and Validation is in
    Progress. Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Add Devices to a PTP Service with Boundary Clock

This request is used to add local devices to a PTP service.

| | |
|--------------|---|
| URI | api/space/nsas/timing-ntp/service-management/ services/<serviceld>/add-devices |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management. modify-service+xml |
| Consumes | application/vnd.net.juniper.space.service-management. modify-service+xml |
| Produces | Adds local devices to PTP services. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <Timing
href="/api/space/nsas/prestage-timing-device/manage-devices/devices/33628"
      uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/33628"

          key="33628">
            <DeviceName>access-hcl-bgm</DeviceName>
            <DeviceID>33623</DeviceID>
          </Timing>
        </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>eth0</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
          <DeviceType>Master</DeviceType>

        </ServiceEndpointConfiguration>
      </ServiceEndPoint>
    </ServiceEndPointGroup>
  </ServiceEndPointGroup>
  <DeviceInfo>
    <Timing
href="/api/space/nsas/prestage-timing-device/manage-devices/devices/33287"
      uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/33287"

          key="33287">
            <DeviceName>kochin</DeviceName>
            <DeviceID>33287</DeviceID>
          </Timing>
        </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-0/0/1.0</InterfaceName>
        <ServiceEndpointConfiguration
```

```

        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
    <DeviceType>Boundary</DeviceType>
    <Priority1>128</Priority1>
    <Priority2>128</Priority2>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <Timing

href="/api/space/nsas/prestage-timing-device/manage-devices/devices/33287"
uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/33287"

        key="33287">
            <DeviceName>kochin</DeviceName>
            <DeviceID>33287</DeviceID>
            </Timing>
        </DeviceInfo>
        <ServiceEndPoint>
            <InterfaceName>ge-0/3/6.0</InterfaceName>
            <ServiceEndpointConfiguration
                xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
                <DeviceType>Slave</DeviceType>
                <AcceptableMasters>
                    <DeviceInfo>
                        <DeviceID>33628</DeviceID>
                        <InterfaceName>eth1</InterfaceName>
                    </DeviceInfo>
                </AcceptableMasters>
            </ServiceEndpointConfiguration>
        </ServiceEndPoint>
    </ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>102</Value>
    </Identity>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>1323</Value>
    </Identity>
    <Job>
      <ID>659612</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Modified Successfully and Validation is in
      Progress. Please check the status using the JOB ID.</Message>
    </Status>
  </Data>
```

Delete Devices from a PTP Service with Boundary Clock

This request is used to delete local devices from a PTP service.

| | |
|--------------|--|
| URI | api/space/nsas/timing-ntp/service-management/ services/<serviceld>/delete-devices |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management. modify-service+xml |
| Consumes | application/vnd.net.juniper.space.service-management. modify-service+xml |
| Produces | Deletes local devices from PTP services. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <Timing
href="/api/space/nsas/prestage-timing-device/manage-devices/devices/33507"
uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/33507"

          key="33507">
            <DeviceName>junos-space3</DeviceName>
            <DeviceID>33507</DeviceID>
          </Timing>
        </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-0/1/1.0</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
          <DeviceType>Slave</DeviceType>
        </ServiceEndpointConfiguration>
      </ServiceEndPoint>
    </ServiceEndPointGroup>
  </ServiceOrder>
</ServiceResource>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <Timing
href="/api/space/nsas/prestage-timing-device/manage-devices/devices/33507"
uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/33507"

          key="33507">
            <DeviceName>junos-space3</DeviceName>
            <DeviceID>33507</DeviceID>
          </Timing>
        </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-0/1/1.0</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
          <DeviceType>Slave</DeviceType>
        </ServiceEndpointConfiguration>
      </ServiceEndPoint>
    </ServiceEndPointGroup>
  </ServiceOrder>
</ServiceResource>
</Data>
```

Get a PTP Service with Hybrid Mode By Service ID

This request is used to retrieve the details of a particular PTP service, based on the service ID.

| | |
|-------------|---|
| URI | /api/space/nsas/timing-ntp/service-management/ services/<service-id> |
| HTTP Method | GET |

| | |
|----------|--|
| Consumes | application/vnd.net.juniper.space.service-management.service+xml |
| Produces | Collects the details of a specific PTP service. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service>
      <Common>
        <Name>hybridboundaryservice</Name>
        <Identity>229640</Identity>
        <State>Deployed</State>
        <CreatedDate>2014-04-28T15:00:28.000+05:30</CreatedDate>
        <LastUpdatedDate>2014-04-28T15:00:28.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>PTP</ServiceType>
      <OrderType>Deployed</OrderType>
      <PTPDomain>1</PTPDomain>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <Timing
href="/api/space/nsas/prestage-timing-device/manage-devices/devices/262147"

uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/262147"
          key="262147">
            <DeviceName>kochin</DeviceName>
            <DeviceID>262147</DeviceID>
          </Timing>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/1.0</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigServiceType">
            <DeviceType>Boundary</DeviceType>
            <Priority1>128</Priority1>
```

```

        <Priority2>128</Priority2>
        <Platform>MX240</Platform>
        <IPAddress>10.216.114.110</IPAddress>
        <Status>down</Status>
        <PTPStatus />
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <Timing

href="/api/space/nsas/prestage-timing-device/manage-devices/devices/33623"
    uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/33623"

    key="33623">
        <DeviceName>access-hcl-bgm</DeviceName>
        <DeviceID>33623</DeviceID>
        </Timing>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>eth1</InterfaceName>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigServiceType">
            <DeviceType>Master</DeviceType>
            <Priority1>128</Priority1>
            <Priority2>128</Priority2>
            <Platform>C-2030</Platform>
            <IPAddress>10.216.114.89</IPAddress>
            <Status>down</Status>
            <PTPStatus />
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <Timing

href="/api/space/nsas/prestage-timing-device/manage-devices/devices/262318"

uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/262318"

```

```

        key="262318">
        <DeviceName>embassy</DeviceName>
        <DeviceID>262318</DeviceID>
    </Timing>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge-1/0/1.0</InterfaceName>
    <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigServiceType">
        <DeviceType>Slave</DeviceType>
        <AcceptableMasters>
            <DeviceInfo>
                <DeviceID>33623</DeviceID>
                <InterfaceName>eth1</InterfaceName>
            </DeviceInfo>
        </AcceptableMasters>
        <Platform>MX80</Platform>
        <IPAddress>10.216.114.109</IPAddress>
        <Status>down</Status>
        <PTPStatus />
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <Timing
href="/api/space/nsas/prestage-timing-device/manage-devices/devices/262147"

uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/262147"
        key="262147">
        <DeviceName>kochin</DeviceName>
        <DeviceID>262147</DeviceID>
    </Timing>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge-0/3/6.0</InterfaceName>
    <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigServiceType">
        <DeviceType>Slave</DeviceType>

```

```

    <AcceptableMasters>
      <DeviceInfo>
        <DeviceID>33623</DeviceID>
        <InterfaceName>eth1</InterfaceName>
      </DeviceInfo>
    </AcceptableMasters>
    <Platform>MX240</Platform>
    <IPAddress>10.216.114.110</IPAddress>
    <Status>down</Status>
    <PTPStatus />
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<TimingGrandMasterConfiguration>
  <Profile>Telecom Profile</Profile>
  <TwoStep>>false</TwoStep>
  <SyncRate>64 packets/sec</SyncRate>
  <AnnounceRate>1 packet/8 sec</AnnounceRate>
  <DelayRequestRate>64 packets/sec</DelayRequestRate>
  <AnnounceReceiptTimeout>2</AnnounceReceiptTimeout>
  <ContinuousARP>>false</ContinuousARP>
  <SignallingConfiguration>
    <Signalling>>false</Signalling>
    <DelayRateMin>1 packet/sec</DelayRateMin>
    <DelayRateMax>64 packets/sec</DelayRateMax>
    <AnnounceRateMin>1 packet/sec</AnnounceRateMin>
    <AnnounceRateMax>1 packet/8 sec</AnnounceRateMax>
    <SyncRateMin>1 packet/sec</SyncRateMin>
    <SyncRateMax>64 packets/sec</SyncRateMax>
  </SignallingConfiguration>
  <TimingConfiguration>
    <IRIG-B>B000</IRIG-B>
    <Frequency>1 MHz</Frequency>
    <DelayCompensation>0</DelayCompensation>
    <SyncSource>
      <Value>GPS</Value>
    </SyncSource>
  </TimingConfiguration>
</TimingGrandMasterConfiguration>
<TimingGrandSlaveConfiguration>
  <Profile>Telecom Profile</Profile>
  <DelayRequestRate>64 packets/sec</DelayRequestRate>

```

```

<AnnounceReceiptTimeout>2</AnnounceReceiptTimeout>
<SignallingConfiguration>
  <Signalling>false</Signalling>
  <GrantDuration>300</GrantDuration>
  <AnnounceRate>1 packet/sec</AnnounceRate>
  <SyncRate>64 packets/sec</SyncRate>
</SignallingConfiguration>
<PTPESMCMMapping>
  <EnableClockClass>false</EnableClockClass>
  <NetworkOption>Option-1</NetworkOption>
  <QualityLevel>PRC</QualityLevel>
  <ClockClass>80</ClockClass>
</PTPESMCMMapping>
<TimingConfiguration>
  <PPx>PPS</PPx>
  <Frequency>1 MHz</Frequency>
  <OffsetCompensation>0</OffsetCompensation>
  <TimeOfDay>
    <BaudRate>1200</BaudRate>
    <Format>Calendar</Format>
  </TimeOfDay>
  <SyncSource>
    <Value>PTP</Value>
  </SyncSource>
</TimingConfiguration>
</TimingGrandSlaveConfiguration>
<ServiceParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:type="TimingPTPConfigParameterServiceType">
  <Topology>Boundary</Topology>
  <TransportMode>Unicast</TransportMode>
  <TransportEncapsulation>IPv4</TransportEncapsulation>
  <IPV4DSCP>56</IPV4DSCP>
</ServiceParameter>
<FrequencySettings>
  <NetworkOption>Option-1</NetworkOption>
  <ClockMode>Auto</ClockMode>
  <EnableQualityMode>true</EnableQualityMode>
  <SourceSelectionMode>Configured Quality</SourceSelectionMode>
  <HoldIntervalSettings>
    <ConfigChange>15</ConfigChange>
    <Restart>120</Restart>
    <SwitchOver>30</SwitchOver>
  </HoldIntervalSettings>
</FrequencySettings>

```

```

        <SwitchOverMode>Revertive</SwitchOverMode>
    </HoldIntervalSettings>
    <ServiceEndPointGroup>
        <DeviceInfo>
            <Timing

href="/api/space/nsas/prestage-timing-device/manage-devices/devices/262147"

uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/262147"
    key="262147">
        <DeviceName>kochin</DeviceName>
        <DeviceID>262147</DeviceID>
    </Timing>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge-0/3/5</InterfaceName>
    <ESMCTransmit>ge-0/3/6</ESMCTransmit>
    <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointFrequencyConfigServiceType">
    <MinimumQualityLevel>PRC</MinimumQualityLevel>
    <Override>Default</Override>
    <Priority>1</Priority>
    <WaitToRestore>5</WaitToRestore>
    <PTPMasters>
        <DeviceInfo>
            <Timing

href="/api/space/nsas/prestage-timing-device/manage-devices/devices/33623"

uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/33623"
    key="33623">
        <DeviceName>access-hcl-bgm</DeviceName>
        <DeviceID>33623</DeviceID>
    </Timing>
    </DeviceInfo>
    </PTPMasters>
    </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<SynceServiceDefinition>
    <ServiceDefinitionID key="196608"

```

```
href="/api/space/nsas/sync-e/service-management/service-definitions/196608"

uri="/api/space/nsas/sync-e/service-management/service-definitions/196608"
/>
  </SynceServiceDefinition>
</FrequencySettings>
<Reference>
  <ServiceOrder key="229626"
    href="/api/space/nsas/timing-ntp/service-management/service-orders/229626"

    uri="/api/space/nsas/timing-ntp/service-management/service-orders/229626"
  />
  <ServiceDefinition>
    <ServiceDefinitionID key="163868"

href="/api/space/nsas/timing-ntp/service-management/service-definitions/163868"

uri="/api/space/nsas/timing-ntp/service-management/service-definitions/163868"
/>
  </ServiceDefinition>
</Reference>
</Service>
</ServiceResource>
</Data>
```

Modify a PTP Service with Hybrid Mode

This request is used to modify a PTP service for addition of parameters.

| | |
|--------------|---|
| URI | /api/space/nsas/timing-ntp/service-management/services/<service-id> |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.modify-service+xml |

| | |
|----------|---|
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml |
| Produces | Modifies a PTP service for addition of parameters. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>hybridboundaryserviceAPI</Name>
      </Common>
      <PTPDomain>1</PTPDomain>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <Timing>
            <DeviceName>kochin</DeviceName>
            <DeviceID>262147</DeviceID>
          </Timing>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>ge-0/0/1.0</InterfaceName>
          <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
            <DeviceType>Boundary</DeviceType>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <Timing>
            <DeviceName>access-hcl-bgm</DeviceName>
            <DeviceID>33623</DeviceID>
          </Timing>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>eth1</InterfaceName>
```

```

        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
            <DeviceType>Master</DeviceType>

        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <Timing>
            <DeviceName>embassy</DeviceName>
            <DeviceID>262318</DeviceID>
        </Timing>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-1/0/1.0</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">
            <DeviceType>Slave</DeviceType>
            <AcceptableMasters>
                <DeviceInfo>
                    <DeviceID>33623</DeviceID>
                    <InterfaceName>eth1</InterfaceName>
                </DeviceInfo>
            </AcceptableMasters>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <Timing>
            <DeviceName>kochin</DeviceName>
            <DeviceID>262147</DeviceID>
        </Timing>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/3/6.0</InterfaceName>
        <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigOrderType">

```

```

    <DeviceType>Slave</DeviceType>
    <AcceptableMasters>
      <DeviceInfo>
        <DeviceID>33623</DeviceID>
        <InterfaceName>eth1</InterfaceName>
      </DeviceInfo>
    </AcceptableMasters>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<FrequencySettings>
  <EnableQualityMode>true</EnableQualityMode>
  <SourceSelectionMode>Configured Quality</SourceSelectionMode>
  <HoldIntervalSettings>
    <ConfigChange>50</ConfigChange>
    <Restart>150</Restart>
    <SwitchOver>50</SwitchOver>
    <SwitchOverMode>Revertive</SwitchOverMode>
  </HoldIntervalSettings>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <Timing>
        <DeviceName>kochin</DeviceName>
        <DeviceID>262147</DeviceID>
      </Timing>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-0/3/5</InterfaceName>
      <ESMCTransmit>ge-0/3/6</ESMCTransmit>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
</FrequencySettings>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>102</Value>
    </Identity>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>1323</Value>
    </Identity>
  </Status>
  <Job>
    <ID>659612</ID>
    <Status>INPROGRESS</Status>
  </Job>
  <Code>200</Code>
  <Message>The Service Modified Successfully and Validation is in
    Progress. Please check the status using the JOB ID.</Message>
  </Status>
</Data>
```

Add Devices to a PTP Service with Hybrid Mode

This request is used to add local devices to a PTP service. This request is used only when adding the Device in Frequency settings along with Primary device/Boundary device/Backup device for hybrid mode.

| | |
|--------------|---|
| URI | api/space/nsas/timing-ntp/service-management/ services/<serviceId>/add-devices |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service- management.modify-service+xml |
| Consumes | application/vnd.net.juniper.space.service-management. modify-service+xml |
| Produces | Adds local devices to PTP services. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <Timing>
            <DeviceName>access1-hcl-bgm</DeviceName>
            <DeviceID>33628</DeviceID>
          </Timing>
        </DeviceInfo>
        <ServiceEndPoint>
          <InterfaceName>eth0</InterfaceName>
          <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:type="TimingPTPEndPointConfigOrderType">
            <DeviceType>Master</DeviceType>
          </ServiceEndpointConfiguration>
        </ServiceEndPoint>
      </ServiceEndPointGroup>
      <FrequencySettings>
        <ServiceEndPointGroup>
          <DeviceInfo>
            <Timing>
              <DeviceName>embassy</DeviceName>
              <DeviceID>262318</DeviceID>
            </Timing>
          </DeviceInfo>
          <ServiceEndPoint>
            <InterfaceName>ge-1/0/5</InterfaceName>
            <ESMCTransmit>ge-1/0/0</ESMCTransmit>
            <ServiceEndpointConfiguration
              xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
              xsi:type="TimingPTPEndPointFrequencyConfigOrderType">
              <PTPMasters>
                <DeviceInfo>
                  <Timing>
                    <DeviceName>access-hcl-bgm</DeviceName>
                    <DeviceID>33623</DeviceID>
```

```

        </Timing>
    </DeviceInfo>
</PTPMasters>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <Timing>
            <DeviceName>kochin</DeviceName>
            <DeviceID>262147</DeviceID>
        </Timing>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/0/3</InterfaceName>
        <ESMCTransmit>ge-0/0/1</ESMCTransmit>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointFrequencyConfigOrderType">
            <PTPMasters>
                <DeviceInfo>
                    <Timing>
                        <DeviceName>access-hcl-bgm</DeviceName>
                        <DeviceID>33623</DeviceID>
                    </Timing>
                </DeviceInfo>
            </PTPMasters>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <Timing>
            <DeviceName>Kochin</DeviceName>
            <DeviceID>262147</DeviceID>
        </Timing>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/0/5</InterfaceName>
        <ESMCTransmit>ge-0/0/2</ESMCTransmit>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

```

```

xsi:type="TimingPTPEndPointFrequencyConfigOrderType">
  <PTPMasters>
    <DeviceInfo>
      <Timing>
        <DeviceName>access-hcl-bgm</DeviceName>
        <DeviceID>33623</DeviceID>
      </Timing>
    </DeviceInfo>
  </PTPMasters>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
</FrequencySettings>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>102</Value>
    </Identity>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>1323</Value>
    </Identity>
  </Status>
  <Job>
    <ID>659612</ID>
    <Status>INPROGRESS</Status>
  </Job>

```

```
<Code>200</Code>
<Message>The Service Modified Successfully and Validation is in
  Progress. Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Add Devices in Frequency Settings Only to a PTP Service with Hybrid Mode

This request is used to add local devices in frequency settings only to a PTP service.

| | |
|--------------|--|
| URI | api/space/nsas/timing-ntp/service-management/services/{service-id}/hybrid-frequency-settings/add-devices |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.modify-service+xml |
| Consumes | application/vnd.net.juniper.space.service-management.modify-service+xml |
| Produces | Adds local devices to PTP services. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <Timing>
            <DeviceName>embassy</DeviceName>
```

```

        <DeviceID>262318</DeviceID>
    </Timing>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge-1/0/5</InterfaceName>
    <ESMCTransmit>ge-1/0/0</ESMCTransmit>
    <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointFrequencyConfigOrderType">
        <PTPMasters>
            <DeviceInfo>
                <Timing>
                    <DeviceName>access-hcl-bgm</DeviceName>
                    <DeviceID>33623</DeviceID>
                </Timing>
            </DeviceInfo>
        </PTPMasters>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <Timing>
            <DeviceName>kochin</DeviceName>
            <DeviceID>262147</DeviceID>
        </Timing>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/0/3</InterfaceName>
        <ESMCTransmit>ge-0/0/1</ESMCTransmit>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointFrequencyConfigOrderType">
            <PTPMasters>
                <DeviceInfo>
                    <Timing>
                        <DeviceName>access-hcl-bgm</DeviceName>
                        <DeviceID>33623</DeviceID>
                    </Timing>
                </DeviceInfo>
            </PTPMasters>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>

```

```

        </ServiceEndPoint>
    </ServiceEndPointGroup>
    <ServiceEndPointGroup>
        <DeviceInfo>
            <Timing>
                <DeviceName>Kochin</DeviceName>
                <DeviceID>262147</DeviceID>
            </Timing>
        </DeviceInfo>
        <ServiceEndPoint>
            <InterfaceName>ge-0/0/5</InterfaceName>
            <ESMCTransmit>ge-0/0/2</ESMCTransmit>
            <ServiceEndpointConfiguration
                xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
                xsi:type="TimingPTPEndPointFrequencyConfigOrderType">
                <PTPMasters>
                    <DeviceInfo>
                        <Timing>
                            <DeviceName>access-hcl-bgm</DeviceName>
                            <DeviceID>33623</DeviceID>
                        </Timing>
                    </DeviceInfo>
                </PTPMasters>
            </ServiceEndpointConfiguration>
        </ServiceEndPoint>
    </ServiceEndPointGroup>
</ServiceOrder>
</ServiceResource>
</Data>

```

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <Status>

```

```
<Identity>
  <Type>Service</Type>
  <Value>102</Value>
</Identity>
<Identity>
  <Type>ServiceOrder</Type>
  <Value>1323</Value>
</Identity>
<Job>
  <ID>659612</ID>
  <Status>INPROGRESS</Status>
</Job>
<Code>200</Code>
<Message>The Service Modified Successfully and Validation is in
  Progress. Please check the status using the JOB ID.</Message>
</Status>
</Data>
```

Get a PTP over Ethernet Service By Service ID

This request is used to retrieve the details of a particular PTPoE service, based on the service ID.

| | |
|-------------|---|
| URI | /api/space/nsas/timing-ptp/service-management/ services/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service+xml |
| Produces | Collects the details of a specific PTPoE service. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Data xmlns="services.schema.networkapi.jmp.juniper.net">
    <ServiceResource>
      <Service>
        <Common>
          <Name>O_M_IEEE802_SO</Name>
          <Identity>33073</Identity>
          <State>Deployed</State>
          <CreatedDate>2014-07-12T13:07:29.000+05:30</CreatedDate>
          <LastUpdatedDate>2014-07-12T14:59:06.000+05:30</LastUpdatedDate>
        </Common>
        <ServiceType>PTP</ServiceType>
        <OrderType>Deployed</OrderType>
        <PTPDomain>1</PTPDomain>
        <ServiceEndPointGroup>
          <DeviceInfo>
            <Timing key="91"
uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/91"
href="/api/space/nsas/prestage-timing-device/manage-devices/devices/91">
              <DeviceName>junos-space3</DeviceName>
              <DeviceID>91</DeviceID>
            </Timing>
          </DeviceInfo>
          <ServiceEndPoint>
            <InterfaceName>ge-0/1/4.0</InterfaceName>
            <ServiceEndpointConfiguration
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPEndPointConfigServiceType">
              <DeviceType>Slave</DeviceType>
              <Platform>ACX2000</Platform>
              <IPAddress>10.216.114.121</IPAddress>
              <Status>up</Status>
              <PTPStatus>
                <PortStatus>Listening </PortStatus>
                <Priority1>128</Priority1>
                <Priority2>128</Priority2>
                <PTPDomain>1</PTPDomain>
                <DelayMechanism>End-to-end</DelayMechanism>
                <TwoStep>false</TwoStep>
                <PortNumber>1</PortNumber>
                <ClockIdentity>84:18:88:ff:fe:c0:85:00</ClockIdentity>
                <SyncRate>64 packets per second</SyncRate>

```

```

<AnnounceRate>1 packet every 2 seconds</AnnounceRate>
<DelayRequestRate>64 packets per second</DelayRequestRate>
</PTPStatus>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<TimingGrandMasterConfiguration>
<Profile>Default</Profile>
<TwoStep>false</TwoStep>
<SyncRate>64 packets/sec</SyncRate>
<AnnounceRate>1 packet/8 sec</AnnounceRate>
<DelayRequestRate>64 packets/sec</DelayRequestRate>
<AnnounceReceiptTimeout>2</AnnounceReceiptTimeout>
<ContinuousARP>false</ContinuousARP>
<SignallingConfiguration>
<Signalling>false</Signalling>
<DelayRateMin>1 packet/sec</DelayRateMin>
<DelayRateMax>64 packets/sec</DelayRateMax>
<AnnounceRateMin>1 packet/sec</AnnounceRateMin>
<AnnounceRateMax>1 packet/8 sec</AnnounceRateMax>
<SyncRateMin>1 packet/sec</SyncRateMin>
<SyncRateMax>64 packets/sec</SyncRateMax>
</SignallingConfiguration>
<TimingConfiguration>
<IRIG-B>B000</IRIG-B>
<Frequency>1 MHz</Frequency>
<DelayCompensation>0</DelayCompensation>
<SyncSource>
<Value>PTP</Value>
<Value>Internal</Value>
</SyncSource>
</TimingConfiguration>
</TimingGrandMasterConfiguration>
<TimingGrandSlaveConfiguration>
<Profile>Default</Profile>
<DelayRequestRate>64 packets/sec</DelayRequestRate>
<AnnounceReceiptTimeout>2</AnnounceReceiptTimeout>
<SignallingConfiguration>
<Signalling>true</Signalling>
<GrantDuration>300</GrantDuration>
<AnnounceRate>1 packet/sec</AnnounceRate>
<SyncRate>64 packets/sec</SyncRate>

```

```

    </SignallingConfiguration>
    <PTPESMCMMapping>
    <EnableClockClass>false</EnableClockClass>
    <NetworkOption>Option-1</NetworkOption>
    <QualityLevel>PRC</QualityLevel>
    <ClockClass>80</ClockClass>
    </PTPESMCMMapping>
    <TimingConfiguration>
    <PPx>PPS</PPx>
    <Frequency>0 MHz</Frequency>
    <OffsetCompensation>0</OffsetCompensation>
    <TimeOfDay>
    <BaudRate>1200</BaudRate>
    <Format>Calendar</Format>
    </TimeOfDay>
    <SyncSource>
    <Value>No Priority Configured</Value>
    </SyncSource>
    </TimingConfiguration>
    </TimingGrandSlaveConfiguration>
    <ServiceParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingPTPConfigParameterServiceType">
    <Topology>Ordinary</Topology>
    <TransportMode>Multicast</TransportMode>
    <TransportEncapsulation>IEEE-802.3</TransportEncapsulation>
    <IPV4DSCP>56</IPV4DSCP>
    <EnablePTPResiliency>false</EnablePTPResiliency>
    </ServiceParameter>
    <Reference>
    <ServiceOrder
uri="/api/space/nsas/timing-ntp/service-management/service-orders/33098"
href="/api/space/nsas/timing-ntp/service-management/service-orders/33098"
key="33098"/>
    <ServiceDefinition>
    <ServiceDefinitionID
uri="/api/space/nsas/timing-ntp/service-management/service-definitions/33004"
href="/api/space/nsas/timing-ntp/service-management/service-definitions/33004"
key="33004"/>
    </ServiceDefinition>
    </Reference>
    </Service>
    </ServiceResource>

```

```
</Data>
```

Modify a PTP over Ethernet Service

This request is used to modify a PTPoE service for addition of parameters.

| | |
|--------------|---|
| URI | /api/space/nsas/timing-ntp/service-management/services/<service-id> |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.modify-service+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml |
| Produces | Modifies a PTPoE service for addition of parameters. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>PTP_SO_ModifyIEEE802_03</Name>
      </Common>
      <PTPDomain>1</PTPDomain>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <Timing>
            <DeviceName>junos-space3</DeviceName>
```

```

        <DeviceID>91</DeviceID>
    </Timing>
</DeviceInfo>
<ServiceEndPoint>
    <InterfaceName>ge-0/1/4.0</InterfaceName>

    <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:type="TimingPTPEndPointConfigOrderType">
        <DeviceType>Slave</DeviceType>
        <AcceptableMasters>
            <DeviceInfo>
                <DeviceID>91</DeviceID>
                <InterfaceName>ge-0/1/4.0</InterfaceName>
            </DeviceInfo>
        </AcceptableMasters>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<TimingGrandMasterConfiguration>
    <TimingConfiguration>
        <SyncSource>
            <Value>PTP</Value>
            <Value>Internal</Value>
        </SyncSource>
    </TimingConfiguration>
</TimingGrandMasterConfiguration>
<TimingGrandSlaveConfiguration>
    <SignallingConfiguration>
    </SignallingConfiguration>
</TimingGrandSlaveConfiguration>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

    xsi:type="TimingPTPConfigParameterOrderType">
</ServiceOrderParameter>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="ServiceCustomActionType">
    <Action>SaveAndDeployNow</Action>
    <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
</CustomAction>

```

```
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>33073</Value>
    </Identity>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>33098</Value>
    </Identity>
    <Job>
      <ID>164123</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Service Order Modified Successfully and Deployment is in
Progress. Please check the status using the JOB ID.</Message>
  </Status>
</Data>
```

SyncE Service Definitions Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director Synchronous Ethernet (SyncE) Service Definitions Management RESTful Web Services.

Get a SyncE Service Definition By Service Definition ID

This request is used to retrieve the details of a particular SyncE service definition, based on the service definition ID.

| | |
|-------------|---|
| URI | /api/space/nsas/sync-e/service-management/service-definitions/<serdef-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition+xml |
| Produces | Collects the details of a specific SyncE service definition. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Timing
      href="/api/space/nsas/sync-e/service-management/service-definitions/65536"
      uri="/api/space/nsas/sync-e/service-management/service-definitions/65536"
      key="65536">
      <SyncEDefinition>
        <Common>
          <Name>TestSyncE-SD</Name>
          <Identity>65536</Identity>
          <State>Published</State>
          <CreatedDate>2013-04-10T21:45:50.000+05:30</CreatedDate>
          <LastUpdatedDate>2013-04-10T21:45:50.000+05:30</LastUpdatedDate>
          <CreatedBy>super</CreatedBy>
        </Common>
        <ServiceType>SyncE</ServiceType>
        <SyncESetting>
          <NetworkOption editable="true">Option-1</NetworkOption>
          <ClockMode editable="false">Auto</ClockMode>
          <EnableQualityMode editable="true">>false</EnableQualityMode>
          <SourceSelectionMode editable="true">Configured
Quality</SourceSelectionMode>
          <HoldIntervalSettings>
```

```
<ChangeConfig editable="true">15</ChangeConfig>
<Restart editable="true">120</Restart>
<Switchover editable="true">30</Switchover>
<SwitchoverMode editable="true">Revertive</SwitchoverMode>
</HoldIntervalSettings>
<InputSourceSettings>
  <QualityLevel editable="true">PRC</QualityLevel>
  <Priority editable="true">1</Priority>
  <WaittoRestore editable="true">5</WaittoRestore>
  <Override editable="true">Default</Override>
</InputSourceSettings>
</SyncESetting>
</SyncEDefinition>
</Timing>
</ServiceResource>
</Data>
```

Get All SyncE Service Definitions

This request is used to retrieve all the configured SyncE service definitions.

| | |
|-------------|--|
| URI | /api/space/nsas/sync-e/service-management/service-definitions/ |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-definitions+xml |
| Produces | Collects all the configured SyncE service definitions. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource size="1">
    <Timing
      href="/api/space/nsas/sync-e/service-management/service-definitions/65536"
```

```
uri="/api/space/nsas/sync-e/service-management/service-definitions/65536"
key="65536">
  <SyncEDefinition>
    <Common>
      <Name>TestSyncE-SD</Name>
      <Identity>65536</Identity>
      <State>Published</State>
      <CreateDate>2013-04-10T21:45:50.000+05:30</CreateDate>
      <LastUpdatedDate>2013-04-10T21:45:50.000+05:30</LastUpdatedDate>
      <CreatedBy>super</CreatedBy>
    </Common>
    <ServiceType>SyncE</ServiceType>
  </SyncESetting/>
</SyncEDefinition>
</Timing>
</ServiceResource>
</Data>
```

Create a SyncE Service Definition

This request is used to create a SyncE service definition.

| | |
|--------------|--|
| URI | /api/space/nsas/sync-e/service-management/service-definitions/ |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.service-definition+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-definition-status+xml |
| Produces | Creates a SyncE service definition. |

Input

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<ServiceResource>
  <TimingServiceDefinition>
    <Common>
      <Name>TestSyncE-SD</Name>
      <Comments>this is a sample comment</Comments>
    </Common>
  <ServiceType>SyncE</ServiceType>
    <SyncESetting>
      <NetworkOption editable="true">Option-1</NetworkOption>
      <ClockMode editable="false">Auto</ClockMode>
      <EnableQualityMode editable="true">false</EnableQualityMode>
      <SourceSelectionMode editable="true">Configured
Quality</SourceSelectionMode>
      <HoldIntervalSettings>
        <ChangeConfig editable="true">15</ChangeConfig>
        <Restart editable="true">120</Restart>
        <Switchover editable="true">30</Switchover>
        <SwitchoverMode editable="true">Revertive</SwitchoverMode>
      </HoldIntervalSettings>
      <InputSourceSettings>
        <QualityLevel editable="true">PRC</QualityLevel>
        <Priority editable="true">1</Priority>
        <WaittoRestore editable="true">5</WaittoRestore>
        <Override editable="true">Default</Override>
      </InputSourceSettings>
    </SyncESetting>
  </TimingServiceDefinition>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceDefinitionCustomActionType">
  <Action>Publish</Action>
</CustomAction>
</Data>

```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>SyncEServiceDefinition</Type>
      <Value>557056</Value>
    </Identity>
    <Code>200</Code>
    <Message>ServiceDefinition Created and Published Successfully</Message>
  </Status>
</Data>
```

Publish and Unpublish a SyncE Service Definition

This request is used to publish or unpublish a SyncE service definition.

| | |
|--------------|---|
| URI | api/space/nsas/sync-e/service-management/ service-definitions/ |
| HTTP Method | POST |
| Content-Type | application/vnd.net.juniper.space.service-management. service-definition+xml |
| Consumes | application/vnd.net.juniper.space.service-management. service-definition-status+xml Action types are Publish and Unpublish. |
| Produces | Publishes or unpublishes a SyncE service. |

Input (Publishing a Service Definition)

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceDefinitionCustomActionType">
  <Action>Publish</Action>
</CustomAction>
</Data>
```

Output

Sample XML Output

```
<para><user-typing>Input</user-typing></para><example>
<title>Sample XML Input</title>
<code></code>
</example><para><user-typing>Output</user-typing></para><example>
<title>Sample XML Output</title>
<code></code>
</example>
```

Input (Unpublishing a Service Definition)

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceDefinitionCustomActionType">
  <Action>Unpublish</Action>
</CustomAction>
</Data>
```

Output

Sample XML Output

```
<Data>
  <Status>
    <Identity>
      <Type>ServiceDefinition</Type>
      <Value>65586</Value>
    </Identity>
    <Code>200</Code>
    <Message>ServiceDefinition UnPublished Successfully</Message>
  </Status>
</Data>
```

SyncE Service Orders Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director Synchronous Ethernet (SyncE) Service Orders Management RESTful Web Services.

Get a SyncE Service Order By Service Order ID

This request is used to retrieve the details of a particular SyncE service order, based on the service order ID.

| | |
|-------------|---|
| URI | /api/space/nsas/sync-e/service-management/service-orders/ <service-order-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. service-order+xml |
| Produces | Collects the details of a specific SyncE service order. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/sync-e/service-management/service-orders/163841"
      uri="/api/space/nsas/sync-e/service-management/service-orders/163841"
      key="163841">
        <Common>
          <Name>TestSyncEOS</Name>
          <Identity>163841</Identity>
          <State>Completed</State>
          <Comments>TestSyncEOS</Comments>
          <CreatedDate>2013-05-15T18:24:43.000+05:30</CreatedDate>
          <LastUpdatedDate>2013-05-15T18:24:59.000+05:30</LastUpdatedDate>
          <CreatedBy>super</CreatedBy>
        </Common>
        <ServiceType>SyncE</ServiceType>
        <ServiceEndPointGroup>
          <DeviceInfo>
            <Timing
              href="/api/space/nsas/prestage-synce-device/manage-devices/devices/861"

              uri="/api/space/nsas/prestage-synce-device/manage-devices/devices/861"

              key="861">
                <DeviceName>junos-space2</DeviceName>
                <DeviceID>861</DeviceID>
            </Timing>
          </DeviceInfo>
          <ServiceEndPoint>
            <InterfaceName>ge-0/1/7</InterfaceName>
            <ServiceEndpointConfiguration
              xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
              xsi:type="TimingSyncEEndPointConfigParameterOrderType">
              <QualityLevel> PRP </QualityLevel>
              <Override>0</Override>
              <Priority>1</Priority>
              <WRT>5</WRT>
            </ServiceEndpointConfiguration>
          </ServiceEndPoint>
        </ServiceEndPointGroup>
      </ServiceEndPointGroup>
    </ServiceOrder>
  </ServiceResource>
</Data>

```

```

<DeviceInfo>
  <Timing
    href="/api/space/nsas/prestage-synce-device/manage-devices/devices/755"

    uri="/api/space/nsas/prestage-synce-device/manage-devices/devices/755"

    key="755">
      <DeviceName>junos-space5</DeviceName>
      <DeviceID>755</DeviceID>
    </Timing>
  </DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>ge-0/1/2</InterfaceName>
  <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingSynceEndPointConfigParameterOrderType">
    <QualityLevel> PRP </QualityLevel>
    <Override>0</Override>
    <Priority>1</Priority>
    <WRT>5</WRT>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <Timing
      href="/api/space/nsas/prestage-synce-device/manage-devices/devices/755"

      uri="/api/space/nsas/prestage-synce-device/manage-devices/devices/755"

      key="755">
        <DeviceName>junos-space5</DeviceName>
        <DeviceID>755</DeviceID>
      </Timing>
    </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/0</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingSynceEndPointConfigParameterOrderType">
      <QualityLevel> PRP </QualityLevel>
      <Override>0</Override>

```

```

        <Priority>1</Priority>
        <WRT>5</WRT>
    </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <Timing
            href="/api/space/nsas/prestage-synce-device/manage-devices/devices/755"

            uri="/api/space/nsas/prestage-synce-device/manage-devices/devices/755"

            key="755">
                <DeviceName>junos-space5</DeviceName>
                <DeviceID>755</DeviceID>
            </Timing>
        </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>xe-0/3/1</InterfaceName>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingSyncEEndPointConfigParameterOrderType">
            <QualityLevel> PRP </QualityLevel>
            <Override>0</Override>
            <Priority>1</Priority>
            <WRT>5</WRT>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:type="SyncEConfigParameterOrderType">
    <GeneralSettings>
        <NetworkOption>Option-1</NetworkOption>
        <ClockMode>Auto</ClockMode>
        <EnableQualityMode>>false</EnableQualityMode>
        <SourceSelectionMode>Configured Quality</SourceSelectionMode>
        <HoldIntervalSettings>
            <ChangeConfig>15</ChangeConfig>
            <Restart>120</Restart>
            <Switchover>30</Switchover>
            <SwitchoverMode>Revertive</SwitchoverMode>

```

```

        </HoldIntervalSettings>
    </GeneralSettings>
</ServiceOrderParameter>
<Reference>
    <ServiceDefinition>
        <ServiceDefinitionID key="32782"

href="/api/space/nsas/sync-e/service-management/service-definitions/32782"

uri="/api/space/nsas/sync-e/service-management/service-definitions/32782">
    <ServiceDefinitionName>TestSynce</ServiceDefinitionName>
    </ServiceDefinitionID>
</ServiceDefinition>
</Reference>
<TimingDeviceESMCGroup>
    <DeviceInfo>
        <Timing
href="/api/space/nsas/prestage-synce-device/manage-devices/devices/861"

uri="/api/space/nsas/prestage-synce-device/manage-devices/devices/861"

key="861">
    <DeviceName>junos-space2</DeviceName>
    <DeviceID>861</DeviceID>
    </Timing>
</DeviceInfo>
<ESMCInterfaces>
    <ESMCInterface>ge-0/1/0</ESMCInterface>
    <ESMCInterface>ge-0/1/1</ESMCInterface>
    <ESMCInterface>ge-0/1/2</ESMCInterface>
</ESMCInterfaces>
</TimingDeviceESMCGroup>
<TimingDeviceESMCGroup>
    <DeviceInfo>
        <Timing
href="/api/space/nsas/prestage-synce-device/manage-devices/devices/755"

uri="/api/space/nsas/prestage-synce-device/manage-devices/devices/755"

key="755">
    <DeviceName>junos-space5</DeviceName>
    <DeviceID>755</DeviceID>

```

```

    </Timing>
  </DeviceInfo>
  <ESMCInterfaces>
    <ESMCInterface>ge-0/1/3</ESMCInterface>
    <ESMCInterface>ge-0/1/4</ESMCInterface>
    <ESMCInterface>ge-0/2/1</ESMCInterface>
    <ESMCInterface>ge-0/2/0</ESMCInterface>
  </ESMCInterfaces>
</TimingDeviceESMCGroup>
</ServiceOrder>
</ServiceResource>
</Data>

```

Get All SyncE Service Orders

This request is used to retrieve all the configured SyncE service orders.

| | |
|-------------|---|
| URI | /api/space/nsas/sync-e/service-management/service-orders/ |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service-orders+xml |
| Produces | Collects all the configured SyncE service orders. |

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder
      href="/api/space/nsas/sync-e/service-management/service-orders/163841"
      uri="/api/space/nsas/sync-e/service-management/service-orders/163841"
    >

```

```

key="163841">
<Common>
  <Name>TestSyncEOS</Name>
  <Identity>163841</Identity>
  <State>Completed</State>
  <Comments>TestSyncEOS</Comments>
  <CreatedDate>2013-05-15T18:24:43.000+05:30</CreatedDate>
  <LastUpdatedDate>2013-05-15T18:24:59.000+05:30</LastUpdatedDate>
  <CreatedBy>super</CreatedBy>
</Common>
<ServiceType>SyncE</ServiceType>
<Reference>
  <ServiceDefinition>
    <ServiceDefinitionID key="32782"

href="/api/space/nsas/sync-e/service-management/service-definitions/32782"

uri="/api/space/nsas/sync-e/service-management/service-definitions/32782">
  <ServiceDefinitionName>TestSync</ServiceDefinitionName>
  </ServiceDefinitionID>
  </ServiceDefinition>
</Reference>
</ServiceOrder>
<ServiceOrder
href="/api/space/nsas/sync-e/service-management/service-orders/98318"
uri="/api/space/nsas/sync-e/service-management/service-orders/98318"
key="98318">
<Common>
  <Name>sfddsfa</Name>
  <Identity>98318</Identity>
  <State>Completed</State>
  <Comments>fdsds</Comments>
  <CreatedDate>2013-05-10T14:31:47.000+05:30</CreatedDate>
  <LastUpdatedDate>2013-05-10T14:31:53.000+05:30</LastUpdatedDate>
  <CreatedBy>super</CreatedBy>
</Common>
<ServiceType>SyncE</ServiceType>
<Reference>
  <ServiceDefinition>
    <ServiceDefinitionID key="32782"

href="/api/space/nsas/sync-e/service-management/service-definitions/32782"

```

```

uri="/api/space/nsas/sync-e/service-management/service-definitions/32782">
  <ServiceDefinitionName>TestSynce</ServiceDefinitionName>
  </ServiceDefinitionID>
</ServiceDefinition>
</Reference>
</ServiceOrder>
<ServiceOrder
  href="/api/space/nsas/sync-e/service-management/service-orders/98305"
  uri="/api/space/nsas/sync-e/service-management/service-orders/98305"
  key="98305">
  <Common>
    <Name>SyncESO_modify_1368173940739</Name>
    <Identity>98305</Identity>
    <State>Completed</State>
    <Comments>AThisjjfdsThis is for modification</Comments>
    <CreatedDate>2013-05-10T13:50:38.000+05:30</CreatedDate>
    <LastUpdatedDate>2013-05-10T13:50:47.000+05:30</LastUpdatedDate>
    <CreatedBy>super</CreatedBy>
  </Common>
  <ServiceType>SyncE</ServiceType>
  <Reference>
    <ServiceDefinition>
      <ServiceDefinitionID key="32782"

href="/api/space/nsas/sync-e/service-management/service-definitions/32782"

uri="/api/space/nsas/sync-e/service-management/service-definitions/32782">
  <ServiceDefinitionName>TestSynce</ServiceDefinitionName>
  </ServiceDefinitionID>
</ServiceDefinition>
</Reference>
</ServiceOrder>
<ServiceOrder
  href="/api/space/nsas/sync-e/service-management/service-orders/32797"
  uri="/api/space/nsas/sync-e/service-management/service-orders/32797"
  key="32797">
  <Common>
    <Name>SyncESO</Name>
    <Identity>32797</Identity>
    <State>Completed</State>
    <Comments>SyncESO</Comments>

```

```
<CreatedDate>2013-05-07T15:22:38.000+05:30</CreatedDate>
<LastUpdatedDate>2013-05-07T15:23:01.000+05:30</LastUpdatedDate>
<CreatedBy>super</CreatedBy>
</Common>
<ServiceType>SyncE</ServiceType>
<Reference>
  <ServiceDefinition>
    <ServiceDefinitionID key="32782"

href="/api/space/nsas/sync-e/service-management/service-definitions/32782"

uri="/api/space/nsas/sync-e/service-management/service-definitions/32782">
  <ServiceDefinitionName>TestSyncE</ServiceDefinitionName>
  </ServiceDefinitionID>
  </ServiceDefinition>
</Reference>
</ServiceOrder>
</ServiceResource>
</Data>
```

Delete an OAM Service Order

This request is used to delete an OAM service order.

| | |
|-------------|--|
| URI | api/space/nsas/sync-e/service-management/service-orders/<id> |
| HTTP Method | DELETE |
| Consumes | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Deletes an OAM service order. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>65729</Value>
    </Identity>
    <Code>200</Code>
    <Message>Service order Deleted Successfully.</Message>
  </Status>
</Data>
```

Create a SyncE Service Order

This request is used to create a SyncE service order.

| | |
|--------------|--|
| URI | /api/space/nsas/sync-e/service-management/service-orders/ |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.service-order+xml |
| Produces | Creates a SyncE service order. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>

      <Common>
        <Name>TestSyncEOS</Name>
        <Comments>TestSyncEOS</Comments>
      </Common>
      <ServiceType>SyncE</ServiceType>
```

```

<ServiceEndPointGroup>
  <DeviceInfo>
    <Timing>
      href="/api/space/nsas/prestage-synce-device/manage-devices/devices/861"

      uri="/api/space/nsas/prestage-synce-device/manage-devices/devices/861"

      key="861">
        <DeviceName>junos-space2</DeviceName>
        <DeviceID>861</DeviceID>
      </Timing>
    </DeviceInfo>
    <ServiceEndPoint>
      <InterfaceName>ge-0/1/7</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingSynceEndPointConfigParameterOrderType">
        <QualityLevel> PRP </QualityLevel>
        <Override>0</Override>
        <Priority>1</Priority>
        <WRT>5</WRT>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <Timing>
        href="/api/space/nsas/prestage-synce-device/manage-devices/devices/755"

        uri="/api/space/nsas/prestage-synce-device/manage-devices/devices/755"

        key="755">
          <DeviceName>junos-space5</DeviceName>
          <DeviceID>755</DeviceID>
        </Timing>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-0/1/2</InterfaceName>
        <ServiceEndpointConfiguration
          xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingSynceEndPointConfigParameterOrderType">
          <QualityLevel> PRP </QualityLevel>

```

```

        <Override>0</Override>
        <Priority>1</Priority>
        <WRT>5</WRT>
    </ServiceEndPointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <Timing
            href="/api/space/nsas/prestage-synce-device/manage-devices/devices/755"

            uri="/api/space/nsas/prestage-synce-device/manage-devices/devices/755"

            key="755">
                <DeviceName>junos-space5</DeviceName>
                <DeviceID>755</DeviceID>
            </Timing>
        </DeviceInfo>
        <ServiceEndPoint>
            <InterfaceName>ge-0/1/0</InterfaceName>
            <ServiceEndPointConfiguration
                xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingSynceEndPointConfigParameterOrderType">
                <QualityLevel> PRP </QualityLevel>
                <Override>0</Override>
                <Priority>1</Priority>
                <WRT>5</WRT>
            </ServiceEndPointConfiguration>
        </ServiceEndPoint>
    </ServiceEndPointGroup>
</ServiceEndPointGroup>
<DeviceInfo>
    <Timing
        href="/api/space/nsas/prestage-synce-device/manage-devices/devices/755"

        uri="/api/space/nsas/prestage-synce-device/manage-devices/devices/755"

        key="755">
            <DeviceName>junos-space5</DeviceName>
            <DeviceID>755</DeviceID>
        </Timing>
    </DeviceInfo>

```

```

    <ServiceEndPoint>
      <InterfaceName>xe-0/3/1</InterfaceName>
      <ServiceEndpointConfiguration
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingSyncEEndPointConfigParameterOrderType">
        <QualityLevel>PRP</QualityLevel>
        <Override>0</Override>
        <Priority>1</Priority>
        <WRT>5</WRT>
      </ServiceEndpointConfiguration>
    </ServiceEndPoint>
  </ServiceEndPointGroup>
<ServiceOrderParameter xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:type="SyncEConfigParameterOrderType">
  <GeneralSettings>
    <NetworkOption>Option-1</NetworkOption>
    <ClockMode>Auto</ClockMode>
    <EnableQualityMode>>false</EnableQualityMode>
    <SourceSelectionMode>Configured Quality</SourceSelectionMode>
    <HoldIntervalSettings>
      <ChangeConfig>15</ChangeConfig>
      <Restart>120</Restart>
      <Switchover>30</Switchover>
      <SwitchoverMode>Revertive</SwitchoverMode>
    </HoldIntervalSettings>
  </GeneralSettings>
</ServiceOrderParameter>
<Reference>
  <ServiceDefinition>
    <ServiceDefinitionID key="32782"

href="/api/space/nsas/sync-e/service-management/service-definitions/32782"

uri="/api/space/nsas/sync-e/service-management/service-definitions/32782">
    <ServiceDefinitionName>TestSyncE</ServiceDefinitionName>
  </ServiceDefinitionID>
</ServiceDefinition>
</Reference>
<TimingDeviceESMCGroup>
  <DeviceInfo>
    <Timing

```

```

href="/api/space/nsas/prestage-synce-device/manage-devices/devices/861"

uri="/api/space/nsas/prestage-synce-device/manage-devices/devices/861"

key="861">
  <DeviceName>junos-space2</DeviceName>
  <DeviceID>861</DeviceID>
</Timing>
</DeviceInfo>
<ESMCInterfaces>
  <ESMCInterface>ge-0/1/0</ESMCInterface>
  <ESMCInterface>ge-0/1/1</ESMCInterface>
  <ESMCInterface>ge-0/1/2</ESMCInterface>
</ESMCInterfaces>
</TimingDeviceESMCGroup>
<TimingDeviceESMCGroup>
  <DeviceInfo>
    <Timing
href="/api/space/nsas/prestage-synce-device/manage-devices/devices/755"

uri="/api/space/nsas/prestage-synce-device/manage-devices/devices/755"

key="755">
  <DeviceName>junos-space5</DeviceName>
  <DeviceID>755</DeviceID>
</Timing>
</DeviceInfo>
<ESMCInterfaces>
  <ESMCInterface>ge-0/1/3</ESMCInterface>
  <ESMCInterface>ge-0/1/4</ESMCInterface>
  <ESMCInterface>ge-0/2/1</ESMCInterface>
  <ESMCInterface>ge-0/2/0</ESMCInterface>
</ESMCInterfaces>
</TimingDeviceESMCGroup>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceOrderCustomActionType">
  <Action>SaveAndDeployNow</Action>
  <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
</Data>

```

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>ServiceOrder</Type>
      <Value>6553609</Value>
    </Identity>
    <Job>
      <ID>1998898</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>Service Order Created Successfully and Deployment is in Progress.
    Please check the status using the JOB ID.
    </Message>
  </Status>
</Data>
```

SyncE Services Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director Synchronous Ethernet (SyncE) Services Management RESTful Web Services.

Get a SyncE Service By Service ID

This request is used to retrieve the details of a particular SyncE service, based on the service ID.

| | |
|-------------|--|
| URI | /api/space/nsas/sync-e/service-management/services/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.service+xml |
| Produces | Collects the details of a specific SyncE service. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service href="/api/space/nsas/sync-e/service-management/services/163850"
      uri="/api/space/nsas/sync-e/service-management/services/163850"
      key="163850">
      <Common>
        <Name>TestSyncEOS</Name>
        <Identity>163850</Identity>
        <State>Deployed</State>
        <Comments>TestSyncEOS</Comments>
        <CreatedDate>2013-05-15T18:24:57.000+05:30</CreatedDate>
        <LastUpdatedDate>2013-05-15T18:24:57.000+05:30</LastUpdatedDate>
      </Common>
      <ServiceType>SyncE</ServiceType>
      <ServiceEndPointGroup>
        <DeviceInfo>
          <Timing
            href="/api/space/nsas/prestage-synce-device/manage-devices/devices/861"
            uri="/api/space/nsas/prestage-synce-device/manage-devices/devices/861"
            key="861">
            <DeviceName>junos-space2</DeviceName>
            <DeviceID>861</DeviceID>
```

```

    </Timing>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/7</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="TimingSyncEEndPointConfigParameterServiceType">
      <QualityLevel> PRP </QualityLevel>
      <Override>0</Override>
      <Priority>1</Priority>
      <WRT>5</WRT>
      <ESMCTransmit>
        <ESMCInterface>ge-0/1/0</ESMCInterface>
        <ESMCInterface>ge-0/1/1</ESMCInterface>
        <ESMCInterface>ge-0/1/2</ESMCInterface>
      </ESMCTransmit>
    </ServiceEndpointConfiguration>
  </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
  <DeviceInfo>
    <Timing
      href="/api/space/nsas/prestage-synce-device/manage-devices/devices/755"

      uri="/api/space/nsas/prestage-synce-device/manage-devices/devices/755"

      key="755">
    <DeviceName>junos-space5</DeviceName>
    <DeviceID>755</DeviceID>
    </Timing>
  </DeviceInfo>
  <ServiceEndPoint>
    <InterfaceName>ge-0/1/2</InterfaceName>
    <ServiceEndpointConfiguration
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:type="TimingSyncEEndPointConfigParameterServiceType">
      <QualityLevel> PRP </QualityLevel>
      <Override>0</Override>
      <Priority>1</Priority>
      <WRT>5</WRT>
      <ESMCTransmit>
        <ESMCInterface>ge-0/1/3</ESMCInterface>

```

```

        <ESMCInterface>ge-0/1/4</ESMCInterface>
        <ESMCInterface>ge-0/2/1</ESMCInterface>
        <ESMCInterface>ge-0/2/0</ESMCInterface>
    </ESMCTransmit>
</ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <Timing
            href="/api/space/nsas/prestage-synce-device/manage-devices/devices/755"

            uri="/api/space/nsas/prestage-synce-device/manage-devices/devices/755"

            key="755">
                <DeviceName>junos-space5</DeviceName>
                <DeviceID>755</DeviceID>
            </Timing>
        </DeviceInfo>
        <ServiceEndPoint>
            <InterfaceName>ge-0/1/0</InterfaceName>
            <ServiceEndpointConfiguration
                xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingSynceEndPointConfigParameterServiceType">
                <QualityLevel> PRP </QualityLevel>
                <Override>0</Override>
                <Priority>1</Priority>
                <WRT>5</WRT>
            <ESMCTransmit>
                <ESMCInterface>ge-0/1/3</ESMCInterface>
                <ESMCInterface>ge-0/1/4</ESMCInterface>
                <ESMCInterface>ge-0/2/1</ESMCInterface>
                <ESMCInterface>ge-0/2/0</ESMCInterface>
            </ESMCTransmit>
            </ServiceEndpointConfiguration>
        </ServiceEndPoint>
    </ServiceEndPointGroup>
</ServiceEndPointGroup>
    <DeviceInfo>
        <Timing
            href="/api/space/nsas/prestage-synce-device/manage-devices/devices/755"

```

```

uri="/api/space/nsas/prestage-synce-device/manage-devices/devices/755"

key="755">
  <DeviceName>junos-space5</DeviceName>
  <DeviceID>755</DeviceID>
</Timing>
</DeviceInfo>
<ServiceEndPoint>
  <InterfaceName>xe-0/3/1</InterfaceName>
  <ServiceEndpointConfiguration
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingSynceEndPointConfigParameterServiceType">
    <QualityLevel> PRP </QualityLevel>
    <Override>0</Override>
    <Priority>1</Priority>
    <WRT>5</WRT>
    <ESMCTransmit>
      <ESMCInterface>ge-0/1/3</ESMCInterface>
      <ESMCInterface>ge-0/1/4</ESMCInterface>
      <ESMCInterface>ge-0/2/1</ESMCInterface>
      <ESMCInterface>ge-0/2/0</ESMCInterface>
    </ESMCTransmit>
  </ServiceEndpointConfiguration>
</ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceParameters xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="SynceConfigParameterServiceType">
  <GeneralSettings>
    <NetworkOption>Option-1</NetworkOption>
    <ClockMode>Auto</ClockMode>
    <EnableQualityMode>>false</EnableQualityMode>
    <SourceSelectionMode>Configured Quality</SourceSelectionMode>
    <HoldIntervalServiceSettings>
      <ChangeConfig>15</ChangeConfig>
      <Restart>120</Restart>
      <Switchover>30</Switchover>
      <SwitchoverMode>Revertive</SwitchoverMode>
    </HoldIntervalServiceSettings>
  </GeneralSettings>
</ServiceParameters>
<Reference>
  <ServiceDefinition>

```

```

    <ServiceDefinitionID key="32782"

href="/api/space/nsas/sync-e/service-management/service-definitions/163850"

uri="/api/space/nsas/sync-e/service-management/service-definitions/163850">
    <ServiceDefinitionName>TestSyncEOS</ServiceDefinitionName>
    </ServiceDefinitionID>
    </ServiceDefinition>
    </Reference>
    </Service>
    </ServiceResource>
</Data>

```

Get All SyncE Services

This request is used to retrieve all the configured SyncE services.

| | |
|-------------|---|
| URI | /api/space/nsas/sync-e/service-management/services/ |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.services+xml |
| Produces | Collects all the configured SyncE services. |

Output

Sample XML Output

```

<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <Service href="/api/space/nsas/sync-e/service-management/services/32800"
      uri="/api/space/nsas/sync-e/service-management/services/32800" key="32800">

    <Common>
      <Name>SyncESO</Name>
    
```

```

    <Identity>32800</Identity>
    <State>Deployed</State>
    <Comments>SyncESO</Comments>
    <CreatedDate>2013-05-07T15:22:59.000+05:30</CreatedDate>
    <LastUpdatedDate>2013-05-10T13:50:46.000+05:30</LastUpdatedDate>
  </Common>
  <ServiceType>SyncE</ServiceType>
</Service>
<Service href="/api/space/nsas/sync-e/service-management/services/98323"
uri="/api/space/nsas/sync-e/service-management/services/98323" key="98323">

  <Common>
    <Name>sfddsfa</Name>
    <Identity>98323</Identity>
    <State>Deployed</State>
    <Comments>sfddsfa</Comments>
    <CreatedDate>2013-05-10T14:31:53.000+05:30</CreatedDate>
    <LastUpdatedDate>2013-05-10T14:31:53.000+05:30</LastUpdatedDate>
  </Common>
  <ServiceType>SyncE</ServiceType>
</Service>
<Service href="/api/space/nsas/sync-e/service-management/services/163850"
uri="/api/space/nsas/sync-e/service-management/services/163850"
key="163850">
  <Common>
    <Name>TestSyncEOS</Name>
    <Identity>163850</Identity>
    <State>Deployed</State>
    <Comments>TestSyncEOS</Comments>
    <CreatedDate>2013-05-15T18:24:57.000+05:30</CreatedDate>
    <LastUpdatedDate>2013-05-15T18:24:57.000+05:30</LastUpdatedDate>
  </Common>
  <ServiceType>SyncE</ServiceType>
</Service>
</ServiceResource>
</Data>

```

Modify a SyncE Service

This request is used to modify a SyncE service for addition of parameters.

| | |
|--------------|---|
| URI | /api/space/nsas/sync-e/service-management/services/<service-id> |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.modify-service+xml |
| Consumes | application/vnd.net.juniper.space.service-management.service-status+xml |
| Produces | Modifies a SyncE service for addition of parameters. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>APITestSyncEOrder</Name>
        <Comments>This is modify services</Comments>
      </Common>
      <ServiceType>SyncE</ServiceType>
    </ServiceOrder>
    <ServiceEndPointGroup>
      <DeviceInfo>
        <Timing>
          href="/api/space/nsas/prestage-synce-device/manage-devices/devices/3"
          uri="/api/space/nsas/prestage-synce-device/manage-devices/devices/3"
          key="3">
            <DeviceName>junos-space3</DeviceName>
            <DeviceID>3</DeviceID>
          </Timing>
        </DeviceInfo>
      </ServiceEndPoint>
    </ServiceEndPointGroup>
  </ServiceResource>
</Data>
```

```

        <InterfaceName>ge-0/1/5</InterfaceName>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingSyncEEndPointConfigParameterOrderType">
            <QualityLevel>PRC</QualityLevel>
            <Override>Default</Override>
            <Priority>1</Priority>
            <WRT>5</WRT>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<ServiceEndPointGroup>
    <DeviceInfo>
        <Timing
            href="/api/space/nsas/prestage-synce-device/manage-devices/devices/3"
            uri="/api/space/nsas/prestage-synce-device/manage-devices/devices/3"
            key="3">
            <DeviceName>junos-space3</DeviceName>
            <DeviceID>3</DeviceID>
        </Timing>
    </DeviceInfo>
    <ServiceEndPoint>
        <InterfaceName>ge-0/1/6</InterfaceName>
        <ServiceEndpointConfiguration
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="TimingSyncEEndPointConfigParameterOrderType">
            <QualityLevel>PRC</QualityLevel>
            <Override>Default</Override>
            <Priority>1</Priority>
            <WRT>5</WRT>
        </ServiceEndpointConfiguration>
    </ServiceEndPoint>
</ServiceEndPointGroup>
<TimingDeviceESMCGroup>
    <DeviceInfo>
        <Timing
            href="/api/space/nsas/prestage-synce-device/manage-devices/devices/3"
            uri="/api/space/nsas/prestage-synce-device/manage-devices/devices/3"
            key="3">
            <DeviceName>junos-space3</DeviceName>
            <DeviceID>3</DeviceID>
        </Timing>

```

```
</DeviceInfo>
<ESMCInterfaces>
  <ESMCInterface>ge-0/1/2</ESMCInterface>
</ESMCInterfaces>
</TimingDeviceESMCGroup>
</ServiceOrder>
</ServiceResource>
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceCustomActionType">
  <Action>SaveAndDeployNow</Action>
  <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
</CustomAction>
</Data>
```

Add Devices to a SyncE Service

This request is used to add local devices to a SyncE service.

| | |
|--------------|---|
| URI | api/space/nsas/sync-e/service-management/ services/<serviceld>/add-devices |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management. modify-service+xml |
| Consumes | application/vnd.net.juniper.space.service-management. modify-service+xml |
| Produces | Adds local devices to SyncE services. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
```

```

<ServiceOrder>
  <Common>
    <Name>TestSyncESOT_modify_1369628523832</Name>
  </Common>
  <ServiceType>SyncE</ServiceType>
  <ServiceEndPointGroup>
    <DeviceInfo>
      <Timing
        href="/api/space/nsas/prestage-timing-device/manage-devices/devices/143"

        uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/143"

        key="143">
          <DeviceName>junos-space2</DeviceName>
          <DeviceID>143</DeviceID>
        </Timing>
      </DeviceInfo>
      <ServiceEndPoint>
        <InterfaceName>ge-0/1/7</InterfaceName>
        <ServiceEndpointConfiguration
          xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
          xsi:type="TimingSyncEEndPointConfigParameterOrderType">
          <QualityLevel>SEC</QualityLevel>
          <Override>Default</Override>
          <Priority>1</Priority>
          <WRT>5</WRT>
        </ServiceEndpointConfiguration>
      </ServiceEndPoint>
    </ServiceEndPointGroup>
    <TimingDeviceESMCGroup>
      <DeviceInfo>
        <Timing
          href="/api/space/nsas/prestage-timing-device/manage-devices/devices/143"

          uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/143"

          key="143">
            <DeviceName>junos-space2</DeviceName>
            <DeviceID>143</DeviceID>
          </Timing>
        </DeviceInfo>
        <ESMCInterfaces>

```

```

    <ESMCInterface>ge-0/1/0</ESMCInterface>
    <ESMCInterface>ge-0/1/1</ESMCInterface>
    <ESMCInterface>ge-0/1/2</ESMCInterface>
  </ESMCInterfaces>
</TimingDeviceESMCGroup>
</ServiceOrder>
</ServiceResource>
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceCustomActionType">
  <Action>SaveAndDeployNow</Action>
  <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
</CustomAction>
</Data>

```

Delete Devices from a SyncE Service

This request is used to delete local devices from a SyncE service.

| | |
|--------------|--|
| URI | api/space/nsas/sync-e/service-management /services/<serviceId>/delete-devices |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management. modify-service+xml |
| Consumes | application/vnd.net.juniper.space.service-management. modify-service+xml |
| Produces | Deletes local devices from SyncE services. |

Input

Sample XML Input

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <ServiceResource>
    <ServiceOrder>
      <Common>
        <Name>TestSyncESOT_modify_1369628523832</Name>
      </Common>
      <ServiceType>SyncE</ServiceType>
    <ServiceEndPointGroup>
  </ServiceEndPointGroup>
    <TimingDeviceESMCGroup>
      <DeviceInfo>
        <Timing
          href="/api/space/nsas/prestage-timing-device/manage-devices/devices/143"

          uri="/api/space/nsas/prestage-timing-device/manage-devices/devices/143"

          key="143">
            <DeviceName>junos-space2</DeviceName>
            <DeviceID>143</DeviceID>
          </Timing>
        </DeviceInfo>
        <ESMCInterfaces>
          <ESMCInterface>ge-0/1/4</ESMCInterface>
          <ESMCInterface>ge-0/1/5</ESMCInterface>
        </ESMCInterfaces>
      </TimingDeviceESMCGroup>
    </ServiceOrder>
  </ServiceResource>
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ServiceCustomActionType">
    <Action>SaveAndDeployNow</Action>
    <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
  </CustomAction>
</Data>

```

Decommission a SyncE Service

This request is used to decommission a previously created SyncE service.

| | |
|--------------|--|
| URI | api/space/sync-e/service-management/ services/{serviceId} |
| HTTP Method | DELETE |
| Content-Type | application/vnd.net.juniper.space.service-management.service+xml |
| Produces | Decommissions a previously created SyncE service. |

Input

Sample XML Input

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <CustomAction xsi:type="ServiceCustomActionType">
    <Action>DecommissionNewr</Action>
    <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
  </CustomAction>
</Data>
```

Run a Functional Audit of a SyncE Service

This request is run a functional audit of a SyncE service.

| | |
|--------------|---|
| URI | api/space/sync-e/service-management/ /<service-id> |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.service+xml The options for AuditNow and AuditLater can be provided in the Action element within the ?OperationSpecificData?. |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml |

Produces

Performs a functional audit of a SyncE service.

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:type="FunctionalAuditCustomActionType">
    <Action>AuditLater</Action>
    <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
  </CustomAction>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <Status>
    <Identity>
      <Type>Service</Type>
      <Value>32788</Value>
    </Identity>
    <Job>
      <ID>360570</ID>
      <Status>INPROGRESS</Status>
    </Job>
    <Code>200</Code>
    <Message>The Functional Audit was Successfully triggered. Please check
      the status using the JOB ID.</Message>
  </Status>
</Data>
```

Run a Configuration Audit of a SyncE Service

This request is run a configuration audit of a SyncE service.

| | |
|--------------|---|
| URI | api/space/sync-e/service-management/ services/<service-id> |
| HTTP Method | POST |
| Content Type | application/vnd.net.juniper.space.service-management.service+xml The options for AuditNow and AuditLater can be provided in the Action element within the ?OperationSpecificData?. |
| Consumes | application/vnd.net.juniper.space.service-management. service-status+xml |
| Produces | Performs a configuration audit of a SyncE service. |

Input

Sample XML Input

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
<CustomAction xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="ConfigAuditCustomActionType">
  <Action>AuditNow</Action>
  <ScheduledDateTime>2012-04-09T19:07:18.000+05:30</ScheduledDateTime>
</CustomAction>
</Data>
```

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
```

```
<Status>
  <Identity>
    <Type>Service</Type>
    <Value>32788</Value>
  </Identity>
  <Job>
    <ID>360569</ID>
    <Status>INPROGRESS</Status>
  </Job>
  <Code>200</Code>
  <Message>The Configurational Audit was Successfully triggered.Please
    check the status using the JOB ID.</Message>
</Status>
</Data>
```

View the Functional Audit Results of a SyncE Service

This request is display the functional audit results of a SyncE service.

| | |
|-------------|---|
| URI | api/space/sync-e/service-management/services/ view-functional-audit/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management. functional-audit+xml |
| Produces | Displays the functional audit results of a SyncE service. |

Output

Sample XML Output

```
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <AuditResults>
    <FunctionalAuditResult>
```

```

<Common>
  <Name>SynceSeviceOrder01</Name>
  <Identity>131078</Identity>
  <State>Deployed</State>
</Common>
<ServiceType>Synce</ServiceType>
<OperationState>Down</OperationState>
<ServiceDefinitionName>TestSynceDef</ServiceDefinitionName>
<NoOfUNIs>2</NoOfUNIs>
<UpUNIs>1</UpUNIs>
<DownUNIs>1</DownUNIs>
<DeviceEnd>
  <DeviceName>njunos-space2</DeviceName>
  <Topology>N/A</Topology>
  <OperationState>Down</OperationState>
  <NoOfRemoteUNIs>1</NoOfRemoteUNIs>
  <UpRemoteUNIs>0</UpRemoteUNIs>
  <DownRemoteUNIs>1</DownRemoteUNIs>
  <RemoteEnd>
    <ControlPlaneParams>
      <ControlPanelCommand>
        <Command>get-clock-synchronization-information</Command>
        <RemoteEndpoint> junos-space2</RemoteEndpoint>
      </ControlPanelCommand>
    </ControlPlaneParams>
  </RemoteEnd>
</DeviceEnd>
<DeviceEnd>
  <DeviceName>junos-space2</DeviceName>
  <Topology>N/A</Topology>
  <OperationState>Up</OperationState>
  <NoOfRemoteUNIs>1</NoOfRemoteUNIs>
  <UpRemoteUNIs>1</UpRemoteUNIs>
  <DownRemoteUNIs>0</DownRemoteUNIs>
  <RemoteEnd>
    <ControlPlaneParams>
      <ControlPanelCommand>
        <Command>get-clock-synchronization-information</Command>
        <RemoteEndpoint> junos-space2</RemoteEndpoint>
      </ControlPanelCommand>
    </ControlPlaneParams>
  </RemoteEnd>

```

```

    </DeviceEnd>
    <TroubleshootResult

href="/api/space/nsas/sync-e/service-management/services/view-troubleshoot-results/131078"

uri="/api/space/nsas/sync-e/service-management/services/view-troubleshoot-results/131078"
  />
    </FunctionalAuditResult>
  </AuditResults>
</Data>

```

View the Configuration Audit Results of a SyncE Service

This request is display the configuration audit results of a SyncE service.

| | |
|-------------|--|
| URI | api/space/sync-e/service-management/services/view-configuration-audit/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service-management.configuration-audit+xml |
| Produces | Displays the configuration audit results of a SyncE service. |

Output

Sample XML Output

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <AuditResults>
    <ConfigurationAuditResult>
      <ConfigDeviceEnd>
        <DeviceName>junos-space2</DeviceName>
        <DeviceStatus>Up</DeviceStatus>

```

```
<Details>Successfully Config Audited
</Details>
</ConfigDeviceEnd>
<ConfigDeviceEnd>
  <DeviceName>junos-space2</DeviceName>
  <DeviceStatus>Up</DeviceStatus>
  <Details>Successfully Config Audited
  </Details>
</ConfigDeviceEnd>
</ConfigurationAuditResult>
</AuditResults>
</Data>
```

View the Service Configuration Change Results of a SyncE Service

This request is display the service configuration changes of a SyncE service.

| | |
|-------------|--|
| URI | api/space/sync-e/service-management/services/ view-serviceconfiguration-change/<service-id> |
| HTTP Method | GET |
| Consumes | application/vnd.net.juniper.space.service- management.config-change+xml |
| Produces | Displays the service configuration change results of a SyncE service. |

Output

Sample XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Data xmlns="services.schema.networkapi.jmp.juniper.net">
  <AuditResults>
    <ServiceConfigurationChangeResult>
```

```

<ServiceConfigDeviceEnd>
  <DeviceName>junos-space2</DeviceName>
  <Configuration>
    <configuration>
      <chassis>
        <synchronization>
          <clock-mode>auto-select</clock-mode>
          <esmc-transmit>
            <interfaces>
              <name>ge-0/1/0</name>
            </interfaces>
            <interfaces>
              <name>ge-0/1/2</name>
            </interfaces>
          </esmc-transmit>
          <hold-interval>
            <configuration-change>15</configuration-change>
            <restart>120</restart>
            <switchover>30</switchover>
          </hold-interval>
          <network-option>option-1</network-option>
          <quality-mode-enable operation="delete"/>
          <selection-mode>configured-quality</selection-mode>
          <source>
            <interfaces>
              <name>ge-0/1/1</name>
              <priority>1</priority>
              <quality-level>sec</quality-level>
              <wait-to-restore>5</wait-to-restore>
            </interfaces>
            <interfaces>
              <name>ge-0/2/0</name>
              <priority>1</priority>
              <quality-level>sec</quality-level>
              <wait-to-restore>5</wait-to-restore>
            </interfaces>
          </source>
          <switchover-mode>revertive</switchover-mode>
        </synchronization>
      </chassis>
      <protocols>
        <ptp operation="delete"/>

```

```

    </protocols>
  </configuration></Configuration>
</ServiceConfigDeviceEnd>
<ServiceConfigDeviceEnd>
  <DeviceName>junos-space2</DeviceName>
  <Configuration>
    <configuration>
      <chassis>
        <synchronization>
          <clock-mode>auto-select</clock-mode>
          <esmc-transmit>
            <interfaces>
              <name>ge-0/1/0</name>
            </interfaces>
            <interfaces>
              <name>ge-0/1/2</name>
            </interfaces>
          </esmc-transmit>
          <hold-interval>
            <configuration-change>15</configuration-change>
            <restart>120</restart>
            <switchover>30</switchover>
          </hold-interval>
          <network-option>option-1</network-option>
          <quality-mode-enable operation="delete"/>
          <selection-mode>configured-quality</selection-mode>
          <source>
            <interfaces>
              <name>ge-0/1/1</name>
              <priority>1</priority>
              <quality-level>sec</quality-level>
              <wait-to-restore>5</wait-to-restore>
            </interfaces>
            <interfaces>
              <name>ge-0/2/0</name>
              <priority>1</priority>
              <quality-level>sec</quality-level>
              <wait-to-restore>5</wait-to-restore>
            </interfaces>
          </source>
          <switchover-mode>revertive</switchover-mode>
        </synchronization>

```

```

    </chassis>
    <protocols>
    <ptp operation="delete" />
    </protocols>
    </configuration></Configuration>
  </ServiceConfigDeviceEnd>
</ServiceConfigurationChangeResult>
</AuditResults>
</Data>

```

Optical Interfaces, OTUs, and ODUs Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director Optical Interfaces, Optical Transport Units (OTUs), and Optical Data Units (ODUs) Management RESTful Web Services.

The optical channel data unit (ODU) overhead (OH) is added to the optical channel payload unit (OPU) to create the ODU. The ODU OH includes information for maintenance and operational functions to support optical channels. Optical channel transport unit (OTU) OH together with the FEC is added to form the OTU. The OTU OH includes information for operational functions to support the transport by way of one or more optical channel connections.

You can view the optical interface specifications that are currently applied on the device, such as wavelength and power. Also, you can modify the existing parameters of the optical port and the ODU or the OTU parameters for 10-Gigabit Ethernet or 100-Gigabit Ethernet dense wavelength-division multiplexing (DWDM) interfaces, to suit your network needs or resolve any alarms caused by certain interface settings.

Modify the OTN Configuration and Generate a Job ID

This request is used to update the OTN configuration parameters, and generate a job ID for the task of updating the parameters. This request updates the OTN configuration for the specified device, layer and interface.

| | |
|-------------|--|
| URI | /api/space/packet-optical/config-manager/ devices/{device-id}/intf-name/layers/{layer}/otn-interface-config |
| HTTP Method | PUT |

| | |
|--------------|---|
| Content Type | application/vnd.net.juniper.space. job-management.task+json;version=1;q=0.01 application/vnd.net.juniper.space. job-management.task+xml;version=1;q=0.01 |
| Consumes | application/vnd.juniper.packet-optical. config-manager.otn-config+json;version=1;charset=UTF-8 application/vnd.juniper.packet-optical. config-manager.otn-config+xml;version=1;charset=UTF-8 |
| Produces | Updates the OTN configuration parameters, and generates a job ID. |

Table 4: URI Parameters

| Name | Type | URI Type | Description | Required |
|-----------|---------|----------|---|----------|
| device-id | Integer | Path | ID of the device | Yes |
| layer | String | Path | Name of layer: 'Optics' 'otu' 'odu' | Yes |
| intf-name | String | Query | Encoded interface name such as "et-0/0/0" is "et-0%2f0%2f0%2f" | Yes |

Input

Request URL

http://172.21.28.109:8080/api/optical/config-manager/devices/8647/intf-name/layer/OTN/otn-interface-config?intf-name=et-0%2f0%2f0

Sample XML Input

```
{
  "otn-config": {
    "id":
```

```
"/api/space/packet-optical/config-manager/devices/786467/intf-name/layers/OPTICS/otn-interface-config-et-0/1/0",  
  
    "laser": "Disabled"  
  }  
}
```

Output

Sample XML Output

```
{  
  "task": {  
    "@href": "/api/space/job-management/jobs/1802267",  
    "id": 1802267  
  }  
}
```

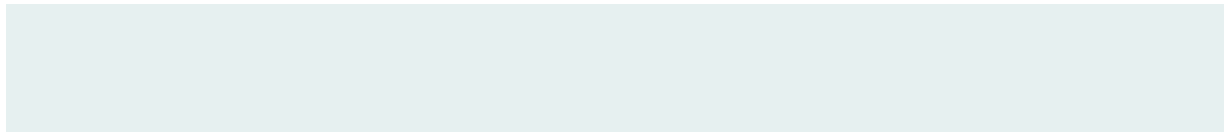
Get the OTN Configuration Details

This request is used to retrieve all the OTN configuration details for the specified device, layer, and interface.

| | |
|--------------|---|
| URI | /api/space/packet-optical/config-manager/ devices/{device-id}/intf-name/layers/{layer}/otn-interface-config |
| HTTP Method | GET |
| Content Type | application/vnd.juniper.packet-optical. config-manager.otn-config+json;version=1;charset=UTF-8 application/vnd.juniper.packet-optical. config-manager.otn-config+xml;version=1;charset=UTF-8 |
| Produces | Collects the OTN configuration parameters. |

Table 5: URI Parameters

| Name | Type | URI Type | Description | Required |
|-----------|---------|----------|--|----------|
| device-id | Integer | Path | ID of the device | Yes |
| layer | String | Path | Name of layer: 'Optics' 'otu' 'odu' | Yes |
| intf-name | String | Query | Encoded interface name such as "et-0/0/0" is "et-0%2f0%2f0%2f" | Yes |

Output**Sample XML Output****Get the OTN Interface Status**

This request is used to retrieve the OTN interface status for the specified device, layer, and interface.

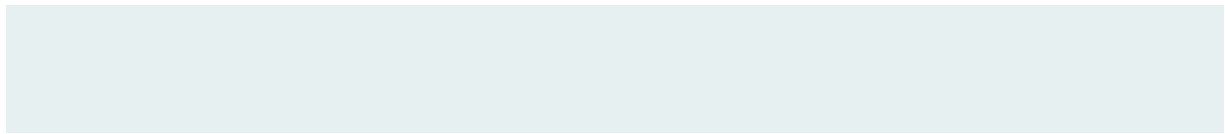
| | |
|--------------|---|
| URI | /api/space/packet-optical/config-manager/ otn-interface-status/devices/{device-id}/intf-name |
| HTTP Method | GET |
| Content Type | application/vnd.juniper.packet-optical. config-manager.status+xml;version=1;q=0.01 application/vnd.juniper.packet-optical. config-manager.status+json;version=1;q=0.01 |
| Produces | Collects the OTN interface status for the specified device, layer, and interface. |

Table 6: URI Parameters

| Name | Type | URI Type | Description | Required |
|-----------|---------|----------|------------------|----------|
| device-id | Integer | Path | ID of the device | Yes |

Table 6: URI Parameters (continued)

| Name | Type | URI Type | Description | Required |
|-----------|--------|----------|--|----------|
| intf-name | String | Query | Encoded interface name such as "et-0/0/0" is "et-0%2f0%2f0%2f" | Yes |

Output**Sample XML Output****Get the OTN PIC Status by SNMP Index**

This request is used to retrieve the OTN PIC status for the specified device and SNMP index.

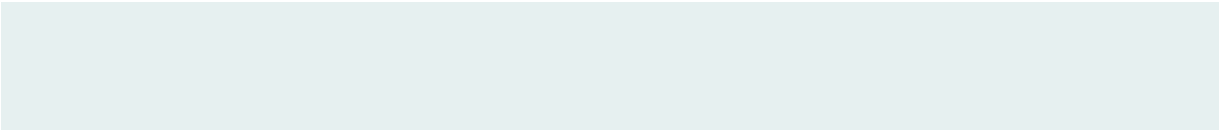
| | |
|--------------|---|
| URI | /api/space/packet-optical/config-manager/otnpic-status/devices/{device-id}/snmp-index |
| HTTP Method | GET |
| Content Type | application/vnd.juniper.packet-optical.config-manager.status+xml;version=1;q=0.01 application/vnd.juniper.packet-optical.config-manager.status+json;version=1;q=0.01 |
| Produces | Collects the OTN PIC status for the specified device and SNMP index. |

Table 7: URI Parameters

| Name | Type | URI Type | Description | Required |
|------------|---------|----------|-----------------------|----------|
| device-id | Integer | Path | ID of the device | Yes |
| snmp-index | String | Query | SNMP Index of the FRU | Yes |

Output

Sample XML Output



Get the OTN PIC Status by FRU Display Label

This request is used to retrieve the OTN interface status for the specified device, SNMP index, and FRU display label.

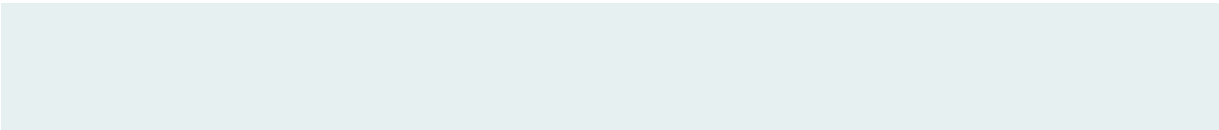
| | |
|--------------|---|
| URI | /api/space/packet-optical/config-manager/fru-status/devices/{device-id}/snmp-index/display-lable |
| HTTP Method | GET |
| Content Type | application/vnd.juniper.packet-optical.config-manager.status+xml;version=1;q=0.01 application/vnd.juniper.packet-optical.config-manager.status+json;version=1;q=0.01 |
| Produces | Collects the OTN PIC status for the specified device, SNMP index, and FRU display label. |

Table 8: URI Parameters

| Name | Type | URI Type | Description | Required |
|---------------|---------|----------|-----------------------|----------|
| device-id | Integer | Path | ID of the device | Yes |
| snmp-index | String | Query | SNMP Index of the FRU | Yes |
| display-label | String | Query | Display label of FRU | Yes |

Output

Sample XML Output



Get the PM Administration Details by Interface

This request is used to retrieve the Performance Monitoring administration information for the specified device and interface.

| | |
|--------------|---|
| URI | api/space/packet-optical/performance-manager/ admin/devices/{device-id}/intf-name/pm-admin-info |
| HTTP Method | GET |
| Content Type | application/vnd.juniper.packet-optical. performance-manager.status+xml;version=1;q=0.01 application/vnd.juniper.packet-optical. performance-manager.status+json;version=1;q=0.01 |
| Produces | Collects the Performance Monitoring administration information for the specified device and interface. |

Table 9: URI Parameters

| Name | Type | URI Type | Description | Required |
|-----------|---------|----------|-------------------------------|----------|
| device-id | Integer | Path | ID of the device | Yes |
| intf-name | String | Query | Encoded interface name URL | Yes |

Output

Sample XML Output

| |
|--|
| |
|--|

Get the PM Administration Details of All Interfaces

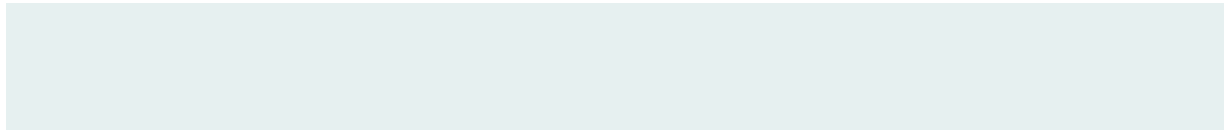
This request is used to retrieve the Performance Monitoring administration information for the specified device and all interfaces on the device.

| | |
|-----|---|
| URI | api/space/packet-optical/performance-manager/ admin/devices/{device-id}/pm-admin-Infos |
|-----|---|

| | |
|--------------|---|
| HTTP Method | GET |
| Content Type | application/vnd.juniper.packet-optical. performance-manager.status+xml;version=1;q=0.01 application/vnd.juniper.packet-optical. performance-manager.status+json;version=1;q=0.01 |
| Produces | Collects the Performance Monitoring administration information for the specified device and all interfaces on the device. |

Table 10: URI Parameters

| Name | Type | URI Type | Description | Required |
|-----------|---------|----------|------------------|----------|
| device-id | Integer | Path | ID of the device | Yes |

Output**Sample XML Output****Enable the Collection of PM Statistics**

This request is used to enable the mechanism to collect performance monitoring (PM) statistics for the specified device and interface on the device.

| | |
|--------------|---|
| URI | /api/space/packet-optical/performance-manager/admin/ devices/{device-id}/intf-name/enable-pm-collection |
| HTTP Method | PUT |
| Content Type | application/vnd.juniper.packet-optical. performance-manager.status+xml;version=1;q=0.01 application/vnd.juniper.packet-optical. performance-manager.status+json;version=1;q=0.01 |
| Produces | Enable the PM mechanism for the specified device and interface on the device. |

Table 11: URI Parameters

| Name | Type | URI Type | Description | Required |
|-----------|---------|----------|--|----------|
| device-id | Integer | Path | ID of the device | Yes |
| intf-name | String | Query | Encoded interface name such as "et-0/0/0" is "et-0%2f0%2f0%2f" | Yes |

Input

Sample XML Input

Get the Current PM Details of an Optical Interface

This request is used to retrieve the current performance monitoring information for the specified device and optical interface.

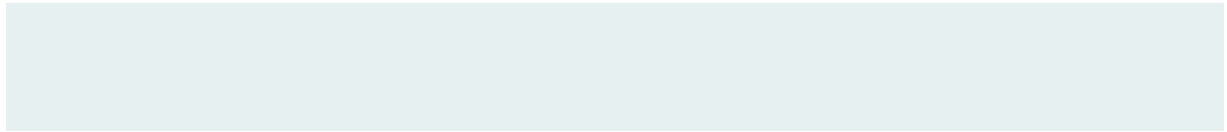
| | |
|--------------|---|
| URI | /api/space/packet-optical/performance-manager/devices/{device-id}/intf-name/current-optics-pm-datas |
| HTTP Method | GET |
| Content Type | application/vnd.juniper.packet-optical.performance-manager.current-optics-pm-datas+json;version=1;q=0.01 application/vnd.juniper.packet-optical.performance-manager.current-optics-pm-datas+xml;version=1;q=0.01 |
| Produces | Collects the current performance monitoring details for an optical interface on a device. |

Table 12: URI Parameters

| Name | Type | URI Type | Description | Required |
|-----------|---------|----------|------------------|----------|
| device-id | Integer | Path | ID of the device | Yes |

Table 12: URI Parameters (continued)

| Name | Type | URI Type | Description | Required |
|-----------|---------|----------|--|----------|
| intf-name | String | Query | Encoded interface name such as "et-0/0/0" is "et-0%2f0%2f0%2f" | Yes |
| mon-type | String | Query | The PM monitor parameter | Yes |
| direction | Integer | Query | The PM direction: 0 = "NONE", 1 = "Tx", 2 = "Rx" | Yes |

Output**Sample XML Output****Get the Overview of Optical PM Data of an Interface**

This request is used to retrieve an overview of the optical performance monitoring data for an interface.

| | |
|--------------|---|
| URI | /api/space/packet-optical/performance-manager/devices/{device-id}/intf-name/optics-overviews |
| HTTP Method | GET |
| Content Type | application/vnd.juniper.packet-optical.performance-manager.optics-overviews+json;version=1;q=0.01 application/vnd.juniper.packet-optical.performance-manager.optics-overviews+xml;version=1;q=0.01 |
| Produces | Collects an overview of the PM data for an optical interface on a device. |

Table 13: URI Parameters

| Name | Type | URI Type | Description | Required |
|-----------|---------|----------|--|----------|
| device-id | Integer | Path | ID of the device | Yes |
| intf-name | String | Query | Encoded interface name such as "et-0/0/0" is "et-0%2f0%2f0%2f" | Yes |
| mon-type | String | Query | The PM monitor parameter | Yes |
| direction | Integer | Query | The PM direction: 0 = "NONE", 1 = "Tx", 2 = "Rx" | Yes |

Input

Sample XML Input

```
http://172.21.28.109:8080/api/space/packet-optical/performance-manager/devices/786467/intf-name/optics-overviews?intf-name=et-0/1/0
```

Output

Sample XML Output

```
{
  "optics-overviews": {
    "@uri":
"/api/space/packet-optical/performance-manager/devices/786467/intf-name/optics-overviews",

    "@total": "40",
    "pm-gui-summary": [
      {
        "mpoint-name": "CD",
        "pre-interval": 0,
        "suspect-current": false,
        "suspect-day": false,
```

```

    "suspect-interval": false,
    "group-name": "Optical CD",
    "current-day": 0,
    "pre-day": 0,
    "device-id": 786467,
    "current": 1,
    "if-name": "et-0/1/0",
    "suspect-current-day": false
  },
  {
    "mpoint-name": "CD-Min",
    "pre-interval": 0,
    "tca-enabled": "NA",
    "suspect-current": false,
    "suspect-day": false,
    "suspect-interval": false,
    "group-name": "Optical CD",
    "tca-raised24hr": "NA",
    "current-day": 1,
    "tca-raised15min": "NA",
    "pre-day": 0,
    "device-id": 786467,
    "current": 1,
    "threshold24hr": 0,
    "threshold15min": 0,
    "if-name": "et-0/1/0",
    "suspect-current-day": false
  },
  ...
  ...
  ...

```

Get the PM Details of an OTU of an Optical Interface

This request is used to retrieve the current performance monitoring information for the OTU of a specified device and optical interface.

| | |
|-------------|--|
| URI | /api/space/packet-optical/performance-manager/ devices/{device-id}/intf-name/current-otn-pm-datas |
| HTTP Method | GET |

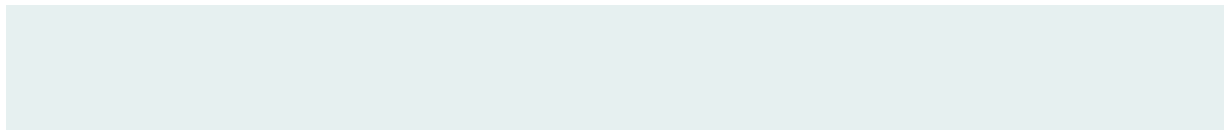
| | |
|--------------|---|
| Content Type | application/vnd.juniper.packet-optical.performance-manager. current-otn-pm-datas+json;version=1;q=0.01 application/vnd.juniper.packet-optical.performance-manager. current-otn-pm-datas+xml;version=1;q=0.01 |
| Produces | Collects the current performance monitoring details for an OTU on a device. |

Table 14: URI Parameters

| Name | Type | URI Type | Description | Required |
|-----------|---------|----------|--|----------|
| device-id | Integer | Path | ID of the device | Yes |
| intf-name | String | Query | Encoded interface name such as "et-0/0/0" is "et-0%2f0%2f0%2f" | Yes |
| mon-type | String | Query | The PM monitor parameter | Yes |
| direction | Integer | Query | The PM direction: 0 = "NONE", 1 = "Tx", 2 = "Rx" | Yes |

Output

Sample XML Output



Get the Overview of Optical PM Data of an OTU

This request is used to retrieve an overview of the optical performance monitoring data for an OTU.

| | |
|-------------|---|
| URI | /api/space/packet-optical/performance-manager/devices/{device-id}/intf-name/otn-overviews |
| HTTP Method | GET |

| | |
|--------------|---|
| Content Type | application/vnd.juniper.packet-optical.performance-manager.otn-overviews+json;version=1;q=0.01 application/vnd.juniper.packet-optical.performance-manager.otn-overviews+xml;version=1;q=0.01 |
| Produces | Collects an overview of the PM data for an OTU of an optical interface on a device. |

Table 15: URI Parameters

| Name | Type | URI Type | Description | Required |
|-----------|---------|----------|---|----------|
| device-id | Integer | Path | ID of the device | Yes |
| intf-name | String | Query | Encoded interface name such as "et-0/0/0" is "et-0%2f0%2f0%2f" | Yes |
| mon-type | String | Query | The PM monitor parameter | Yes |
| layer | String | Query | The OTN layer: <ul style="list-style-type: none">• 0 = "NONE"• 1 = "OTU"• 2 = "ODU"• 3 = "TCM" | Yes |
| direction | Integer | Query | The PM direction: 0 = "NONE", 1 = "Tx", 2 = "Rx" | Yes |

Input

Sample XML Input

```
http://172.21.28.109:8080/api/spe/packet-optical/performance-manager/devices/7846/intf-name/et-0/0/0/layer=1
```

Output

Sample XML Output

```

{
  "otn-overviews": {
    "@uri":
"/api/space/packet-optical/performance-manager/devices/786467/intf-name/otn-overviews",

    "@total": "17",
    "pm-gui-summary": [
      {
        "mpoint-name": "OTU NE",
        "pre-interval": "NaN",
        "suspect-current": false,
        "suspect-day": false,
        "suspect-interval": false,
        "group-name": "OTU NE",
        "current-day": 0,
        "pre-day": "NaN",
        "device-id": 786467,
        "current": 0,
        "if-name": "et-0/1/0",
        "suspect-current-day": false
      },
      {
        "mpoint-name": "FEC NE",
        "pre-interval": "NaN",
        "suspect-current": false,
        "suspect-day": false,
        "suspect-interval": false,
        "group-name": "FEC NE",
        "current-day": 0,
        "pre-day": "NaN",
        "device-id": 786467,
        "current": 0,
        "if-name": "et-0/1/0",
        "suspect-current-day": false
      },
      {

```

Get the Optical Groupings of PM Parameters

This request is used to retrieve optical groupings of PM parameters for GUI representation.

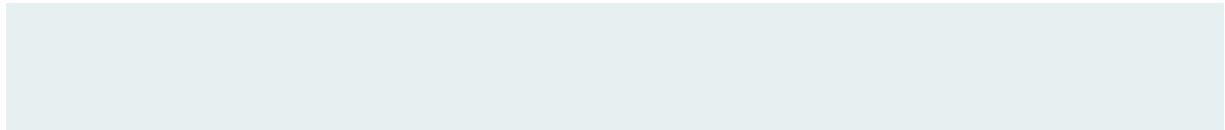
| | |
|--------------|---|
| URI | /api/space/packet-optical/performance-manager/ devices/{device-id}/intf-name/optics-groupings |
| HTTP Method | GET |
| Content Type | application/vnd.juniper.packet-optical.performance-manager. optics-groupings+json;version=1;q=0.01 application/vnd.juniper.packet-optical.performance-manager. optics-groupings+xml;version=1;q=0.01 |
| Produces | Collects optical groupings of PM parameters for display in the GUI. |

Table 16: URI Parameters

| Name | Type | URI Type | Description | Required |
|-------------|--------------|----------|---|----------|
| device-id | Integer | Path | ID of the device | Yes |
| intf-name | String | Query | Encoded interface name such as “et-0/0/0” is “et-0%2f0%2f0%2f” | Yes |
| mon-type | String | Query | The PM monitor parameter | Yes |
| dayinterval | Integer | Path | Intervals as a measure of the number of days | Yes |
| intervals | Integer | Query | Number of intervals | Yes |
| starttime | Long Integer | Query | Time at which collection of PM statistics is started | Yes |
| endtime | Long Integer | Query | Time at which collection of PM statistics is stopped | Yes |

Table 16: URI Parameters (*continued*)

| Name | Type | URI Type | Description | Required |
|-----------|---------|----------|--|----------|
| direction | Integer | Query | The PM direction: 0 = "NONE", 1 = "Tx", 2 = "Rx" | Yes |

Output**Sample XML Output****Get the Optical PM Parameters for an Interval**

This request is used to retrieve optical PM parameters of an interface for the specified interval.

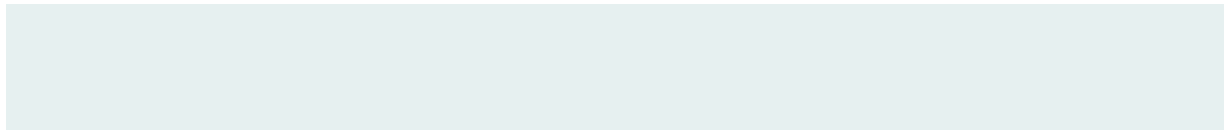
| | |
|--------------|---|
| URI | /api/space/packet-optical/performance-manager/devices/{device-id}/intf-name/optics-intervals |
| HTTP Method | GET |
| Content Type | application/vnd.juniper.packet-optical.performance-manager.optics-intervals+json;version=1;q=0.01 application/vnd.juniper.packet-optical.performance-manager.optics-intervals+xml;version=1;q=0.01 |
| Produces | Collects optical PM parameters of an interface for the specified interval. |

Table 17: URI Parameters

| Name | Type | URI Type | Description | Required |
|-----------|---------|----------|--|----------|
| device-id | Integer | Path | ID of the device | Yes |
| intf-name | String | Query | Encoded interface name such as "et-0/0/0" is "et-0%2f0%2f0%2f" | Yes |

Table 17: URI Parameters (continued)

| Name | Type | URI Type | Description | Required |
|-----------|--------------|----------|--|----------|
| mon-type | String | Query | The PM monitor parameter | Yes |
| intervals | Integer | Query | Number of intervals | Yes |
| starttime | Long Integer | Query | Time at which collection of PM statistics is started | Yes |
| endtime | Long Integer | Query | Time at which collection of PM statistics is stopped | Yes |
| direction | Integer | Query | The PM direction: 0 = "NONE", 1 = "Tx", 2 = "Rx" | Yes |

Output**Sample XML Output****Get the Optical PM Parameters of an Interface for the Previous Day**

This request is used to retrieve optical PM parameters of an interface for the previous day.

| | |
|--------------|---|
| URI | /api/space/packet-optical/performance-manager/devices/{device-id}/intf-name/optics-prev-days |
| HTTP Method | GET |
| Content Type | application/vnd.juniper.packet-optical.performance-manager.optics-prev-days+json;version=1;q=0.01 application/vnd.juniper.packet-optical.performance-manager.optics-prev-days+xml;version=1;q=0.01 |

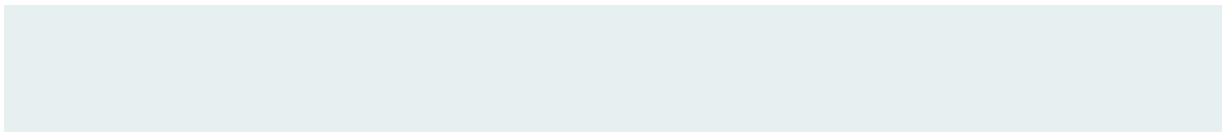
| | |
|----------|--|
| Produces | Collects optical PM parameters of an interface for the previous day. |
|----------|--|

Table 18: URI Parameters

| Name | Type | URI Type | Description | Required |
|-----------|--------------|----------|--|----------|
| device-id | Integer | Path | ID of the device | Yes |
| intf-name | String | Query | Encoded interface name such as "et-0/0/0" is "et-0%2f0%2f0%2f" | Yes |
| mon-type | String | Query | The PM monitor parameter | Yes |
| days | Integer | Query | Number of day intervals | Yes |
| starttime | Long Integer | Query | Time at which collection of PM statistics is started | Yes |
| endtime | Long Integer | Query | Time at which collection of PM statistics is stopped | Yes |
| direction | Integer | Query | The PM direction: 0 = "NONE", 1 = "Tx", 2 = "Rx" | Yes |

Output

Sample XML Output



Get the Optical TCA Details

This request is used to retrieve threshold crossing alarms (TCAs) of an optical interface of a device.

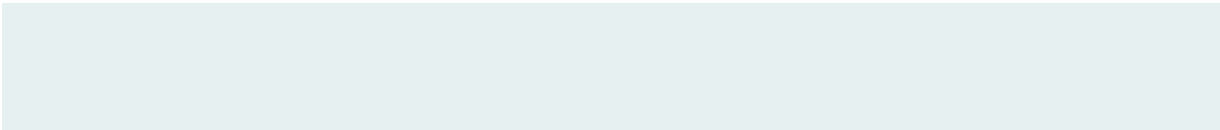
| | |
|--------------|---|
| URI | /api/space/packet-optical/performance-manager/devices/{device-id}/intf-name/optics-tcas |
| HTTP Method | GET |
| Content Type | application/vnd.juniper.packet-optical.performance-manager.optics-tcas+json;version=1;q=0.01 application/vnd.juniper.packet-optical.performance-manager.optics-tcas+xml;version=1;q=0.01 |
| Produces | Collects optical interface TCA details for an interface. |

Table 19: URI Parameters

| Name | Type | URI Type | Description | Required |
|-----------|---------|----------|--|----------|
| device-id | Integer | Path | ID of the device | Yes |
| intf-name | String | Query | Encoded interface name such as "et-0/0/0" is "et-0%2f0%2f0%2f" | Yes |
| mon-type | String | Query | The PM monitor parameter | Yes |

Output

Sample XML Output



Get the OTN Groupings of PM Parameters

This request is used to retrieve OTN groupings of PM parameters for GUI representation.

| | |
|-----|---|
| URI | /api/space/packet-optical/performance-manager/devices/{device-id}/intf-name/otn-groupings |
|-----|---|

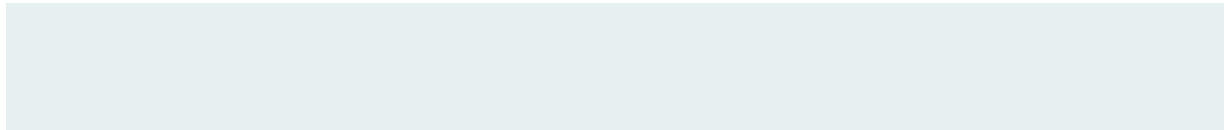
| | |
|--------------|---|
| HTTP Method | GET |
| Content Type | application/vnd.juniper.packet-optical.performance-manager.otn-groupings+json;version=1;q=0.01 application/vnd.juniper.packet-optical.performance-manager.otn-groupings+xml;version=1;q=0.01 |
| Produces | Collects OTN groupings of PM parameters for display in the GUI. |

Table 20: URI Parameters

| Name | Type | URI Type | Description | Required |
|-------------|--------------|----------|--|----------|
| device-id | Integer | Path | ID of the device | Yes |
| intf-name | String | Query | Encoded interface name such as "et-0/0/0" is "et-0%2f0%2f0%2f" | Yes |
| mon-type | String | Query | The PM monitor parameter | Yes |
| layer | String | Query | The OTN layer: <ul style="list-style-type: none"> • 0 = "NONE" • 1 = "OTU" • 2 = "ODU" • 3 = "TCM" | Yes |
| dayinterval | Integer | Path | Intervals as a measure of the number of days | Yes |
| intervals | Integer | Query | Number of intervals | Yes |
| starttime | Long Integer | Query | Time at which collection of PM statistics is started | Yes |
| endtime | Long Integer | Query | Time at which collection of PM statistics is stopped | Yes |

Table 20: URI Parameters (continued)

| Name | Type | URI Type | Description | Required |
|-----------|---------|----------|--|----------|
| direction | Integer | Query | The PM direction: 0 = "NONE", 1 = "Tx", 2 = "Rx" | Yes |

Output**Sample XML Output****Get the OTN PM Parameters for an Interval**

This request is used to retrieve OTN PM parameters of an interface for the specified interval.

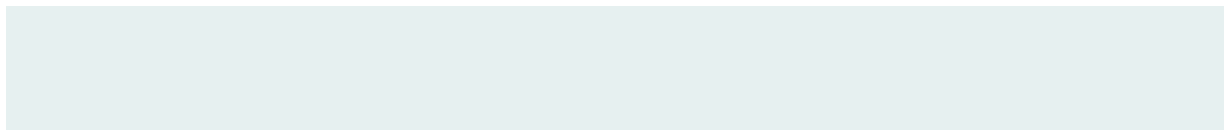
| | |
|--------------|---|
| URI | /api/space/packet-optical/performance-manager/devices/{device-id}/intf-name/otn-intervals |
| HTTP Method | GET |
| Content Type | application/vnd.juniper.packet-optical.performance-manager.otn-intervals+json;version=1;q=0.01 application/vnd.juniper.packet-optical.performance-manager.otn-intervals+xml;version=1;q=0.01 |
| Produces | Collects OTN PM parameters of an interface for the specified interval. |

Table 21: URI Parameters

| Name | Type | URI Type | Description | Required |
|-----------|---------|----------|--|----------|
| device-id | Integer | Path | ID of the device | Yes |
| intf-name | String | Query | Encoded interface name such as "et-0/0/0" is "et-0%2f0%2f0%2f" | Yes |

Table 21: URI Parameters (continued)

| Name | Type | URI Type | Description | Required |
|-----------|--------------|----------|--|----------|
| mon-type | String | Query | The PM monitor parameter | Yes |
| layer | String | Query | The OTN layer: <ul style="list-style-type: none"> • 0 = "NONE" • 1 = "OTU" • 2 = "ODU" • 3 = "TCM" | Yes |
| intervals | Integer | Query | Number of intervals | Yes |
| starttime | Long Integer | Query | Time at which collection of PM statistics is started | Yes |
| endtime | Long Integer | Query | Time at which collection of PM statistics is stopped | Yes |
| direction | Integer | Query | The PM direction: 0 = "NONE", 1 = "Tx", 2 = "Rx" | Yes |

Output**Sample XML Output****Get the OTN PM Parameters of an Interface for the Previous Day**

This request is used to retrieve OTN PM parameters of an interface for the previous day.

| | |
|-------------|---|
| URI | /api/space/packet-optical/performance-manager/devices/{device-id}/intf-name/otn-prev-days |
| HTTP Method | GET |

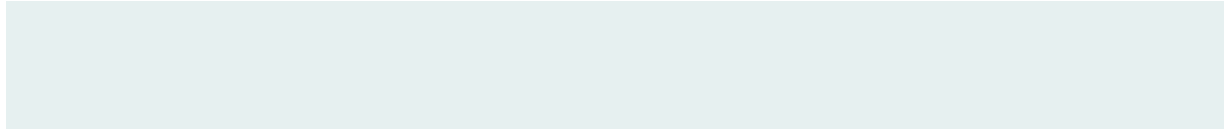
| | |
|--------------|---|
| Content Type | application/vnd.juniper.packet-optical.performance-manager. otn-prev-days+json;version=1;q=0.01 application/vnd.juniper.packet-optical.performance-manager. otn-prev-days+xml;version=1;q=0.01 |
| Produces | Collects OTN PM parameters of an interface for the previous day. |

Table 22: URI Parameters

| Name | Type | URI Type | Description | Required |
|-----------|--------------|----------|--|----------|
| device-id | Integer | Path | ID of the device | Yes |
| intf-name | String | Query | Encoded interface name such as "et-0/0/0" is "et-0%2f0%2f0%2f" | Yes |
| mon-type | String | Query | The PM monitor parameter | Yes |
| layer | String | Query | The OTN layer: <ul style="list-style-type: none"> • 0 = "NONE" • 1 = "OTU" • 2 = "ODU" • 3 = "TCM" | Yes |
| days | Integer | Query | Number of day intervals | Yes |
| starttime | Long Integer | Query | Time at which collection of PM statistics is started | Yes |
| endtime | Long Integer | Query | Time at which collection of PM statistics is stopped | Yes |
| direction | Integer | Query | The PM direction: 0 = "NONE", 1 = "Tx", 2 = "Rx" | Yes |

Output

Sample XML Output



Get the OTN TCA Details

This request is used to retrieve threshold crossing alarms (TCAs) of an OTN on the interface of a device.

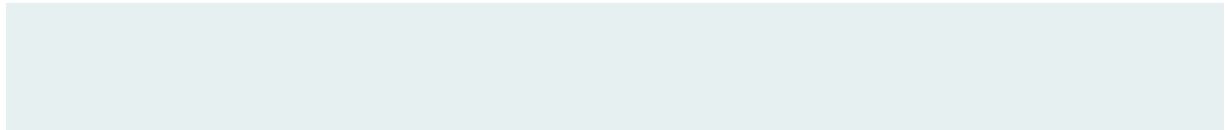
| | |
|--------------|---|
| URI | /api/space/packet-optical/performance-manager/ devices/{device-id}/intf-name/otn-tcas |
| HTTP Method | GET |
| Content Type | application/vnd.juniper.packet-optical.performance-manager. otn-tcas+json;version=1;q=0.01 application/vnd.juniper.packet-optical.performance-manager. otn-tcas+xml;version=1;q=0.01 |
| Produces | Collects OTN TCA details for an interface. |

Table 23: URI Parameters

| Name | Type | URI Type | Description | Required |
|-----------|---------|----------|--|----------|
| device-id | Integer | Path | ID of the device | Yes |
| intf-name | String | Query | Encoded interface name such as "et-0/0/0" is "et-0%2f0%2f0%2f" | Yes |
| mon-type | String | Query | The PM monitor parameter | Yes |
| layer | String | Query | The OTN layer: <ul style="list-style-type: none"> • 0 = "NONE" • 1 = "OTU" • 2 = "ODU" • 3 = "TCM" | Yes |

Table 23: URI Parameters (continued)

| Name | Type | URI Type | Description | Required |
|-----------|---------|----------|--|----------|
| direction | Integer | Query | The PM direction: 0 = "NONE", 1 = "Tx", 2 = "Rx" | Yes |

Output**Sample XML Output****Clear PM Counters and Return a Job ID**

This request is used to clear PM counters and provide a job ID.

| | |
|--------------|---|
| URI | /api/space/packet-optical/performance-manager/devices/{device-id}/intf-name/clear-pm-counters |
| HTTP Method | PUT |
| Content Type | application/vnd.net.juniper.space.job-management.task+xml;version=1;q=0.01 application/vnd.net.juniper.space.job-management.task+json;version=1;q=0.01 |
| Consumes | application/vnd.juniper.packet-optical.performance-manager.clear-pm-counters-request+xml;version=1;charset=UTF-8 application/vnd.juniper.packet-optical.performance-manager.clear-pm-counters-request+json;version=1;charset=UTF-8 |
| Produces | Clears PM counters and provides a job ID. |

Table 24: URI Parameters

| Name | Type | URI Type | Description | Required |
|-----------|---------|----------|------------------|----------|
| device-id | Integer | Path | ID of the device | Yes |

Table 24: URI Parameters (continued)

| Name | Type | URI Type | Description | Required |
|------------|--------|----------|--|----------|
| intf-name | String | Query | Encoded interface name such as "et-0/0/0" is "et-0%2f0%2f0%2f" | Yes |
| clear-type | String | Query | Type of PM to clear: <ul style="list-style-type: none"> • "opt_all" = All Optical PMs, "opt_c" = Current Optical PMs, • "opt_cday" = Current Optical Day PMs, "otn_all" = All OTN PMs, "otn_c" = Current OTN PMs, • "otn_cday" = Current OTN Day PMs | Yes |

Input**Sample XML Input**

```
http://172.21.28.109:8080/api/space/optical/performance/devices/8667/intf-name=et-0/0/clear-type=opt_c
```

Output**Sample XML Output**

```
{
  "task": {
    "@href": "/api/space/job-management/jobs/1802315",
    "id": 1802315
  }
}
```

```
    }  
  }
```

Clear PM Counters Without Returning a Job ID

This request is used to clear PM counters without providing a job ID.

| | |
|-------------|---|
| URI | /api/space/packet-optical/performance-manager/ devices/{device-id}/intf-name/clear-pm-counters |
| HTTP Method | PUT |
| Consumes | application/vnd.juniper.packet-optical.performance-manager. clear-pm-counters-request+xml;version=1;charset=UTF-8 application/vnd.juniper.packet-optical.performance-manager. clear-pm-counters-request+json;version=1;charset=UTF-8 |
| Produces | Clears PM counters and does not provide a job ID. |

Table 25: URI Parameters

| Name | Type | URI Type | Description | Required |
|-----------|---------|----------|---|----------|
| device-id | Integer | Path | ID of the device | Yes |
| intf-name | String | Query | Encoded interface name such as “et-0/0/0” is “et-0%2f0%2f0%2f” | Yes |

Table 25: URI Parameters (continued)

| Name | Type | URI Type | Description | Required |
|------------|--------|----------|--|----------|
| clear-type | String | Query | Type of PM to clear: <ul style="list-style-type: none"> • “opt_all” = All Optical PMs, “opt_c” = Current Optical PMs, • “opt_cday” = Current Optical Day PMs, “otn_all” = All OTN PMs, “otn_c” = Current OTN PMs, • “otn_cday” = Current OTN Day PMs | Yes |

Input

Sample XML Input

Output

Sample XML Output

Set a TCA Alert and Return a Job ID

This request is used to define a TCA and provide a job ID.

| | |
|-------------|---|
| URI | /api/space/packet-optical/performance-manager/ set-otn-tca |
| HTTP Method | PUT |

| | |
|---------------|--|
| Consumes | <p>application/vnd.juniper.packet-optical.performance-manager.set-otn-tca-request+xml;version=1;charset=UTF-8</p> <p>application/vnd.juniper.packet-optical.performance-manager.set-otn-tca+json;version=1;charset=UTF-8</p> |
| Content Type | <p>application/vnd.net.juniper.space.job-management.task+xml;version=1;q=0.01</p> <p>application/vnd.net.juniper.space.job-management.task+json;version=1;q=0.01</p> |
| URI Parameter | None |
| Produces | Set a TCA and provide a job ID. |

Input

Sample XML Input

```

http://172.21.28.109:8080/api/space/packet-optical/performance-manager/set-otn-tca
{
  "set-otn-tca-request": {
    "tcas": {
      "pm-config-tca": [
        {
          "current": 0,
          "current-day": 0,
          "device-id": 786467,
          "end-type": "NE",
          "group-name": "Optical CFO",
          "if-name": "et-0/1/0",
          "layer-type": "Optical",
          "mpoint-name": "CFO-Min",
          "pre-day": 0,
          "pre-interval": 0,
          "suspect-current": false,
          "suspect-current-day": false,
          "suspect-day": false,
          "suspect-interval": false,
          "tca-enabled": true,
          "tca-raised15min": "No",
          "tca-raised24hr": "No",

```

```
        "threshold15min": -5010,
        "threshold24hr": -5050
      }
    ]
  }
}
```

Output

Sample XML Output

```
{
  "task": {
    "@href": "/api/space/job-management/jobs/1802267",
    "id": 1802267
  }
}
```

Set a TCA Alert Without Returning a Job ID

This request is used to define a TCA without providing a job ID.

| | |
|---------------|---|
| URI | /api/space/packet-optical/performance-manager/ set-otn-tca |
| HTTP Method | PUT |
| Consumes | application/vnd.juniper.packet-optical.performance-manager. set-otn-tca-request+xml;version=1;charset=UTF-8 application/vnd.juniper.packet-optical.performance-manager. set-otn-tca+json;version=1;charset=UTF-8 |
| URI Parameter | None |
| Produces | Set a TCA without providing a job ID. |

Input

Sample XML Input

```
http://172.21.28.109:8080/api/space/packet-optical/performance-manager/set-otn-tca
{
  "set-otn-tca-request": {
    "tcas": {
      "pm-config-tca": [
        {
          "current": 0,
          "current-day": 0,
          "device-id": 786467,
          "end-type": "NE",
          "group-name": "Optical CFO",
          "if-name": "et-0/1/0",
          "layer-type": "Optical",
          "mpoint-name": "CFO-Min",
          "pre-day": 0,
          "pre-interval": 0,
          "suspect-current": false,
          "suspect-current-day": false,
          "suspect-day": false,
          "suspect-interval": false,
          "tca-enabled": true,
          "tca-raised15min": "No",
          "tca-raised24hr": "No",
          "threshold15min": -5010,
          "threshold24hr": -5050
        }
      ]
    }
  }
}
```

Set the OTN PIC Attributes and Return a Job ID

This request is used to set the OTN PIC configuration attributes and provide a job ID.

| | |
|-------------|---|
| URI | /api/space/packet-optical/config-manager/ devices/{device-id}/fpc/{fpcnum}/pic/{picnum}/pic-config |
| HTTP Method | PUT |

| | |
|--------------|---|
| Content Type | application/vnd.net.juniper.space.job-management.task+xml;version=1;q=0.01 application/vnd.net.juniper.space.job-management.task+json;version=1;q=0.01 |
| Consumes | application/vnd.juniper.packet-optical.config-manager.pic-config+xml;version=1;charset=UTF-8 application/vnd.juniper.packet-optical.config-manager.pic-config+json;version=1;charset=UTF-8 |
| Produces | Set the OTN PIC configuration parameters and return a job ID. |

Table 26: URI Parameters

| Name | Type | URI Type | Description | Required |
|-----------|---------|----------|------------------------|----------|
| device-id | Integer | Path | ID of the device | Yes |
| fpcnum | Integer | Path | Slot number of the FPC | Yes |
| picnum | Integer | Integer | Slot number of the PIC | Yes |

Input

Sample XML Input

Output

Sample XML Output

Get the OTN PIC Attributes

This request is used to retrieve the OTN PIC configuration attributes.

| | |
|--------------|---|
| URI | /api/space/packet-optical/config-manager/ devices/{device-id}/fpc/{fpcnum}/pic/{picnum}/pic-config |
| HTTP Method | PUT |
| Content Type | application/vnd.net.juniper.space.job- management.task+xml;version=1;q=0.01 application/vnd.net.juniper.space.job- management.task+json;version=1;q=0.01 |
| Produces | Obtains the OTN PIC configuration parameters. |

Table 27: URI Parameters

| Name | Type | URI Type | Description | Required |
|-----------|---------|----------|------------------------|----------|
| device-id | Integer | Path | ID of the device | Yes |
| fpcnum | Integer | Path | Slot number of the FPC | Yes |
| picnum | Integer | Integer | Slot number of the PIC | Yes |

Output

Sample XML Output

| |
|--|
| |
|--|

Optical ILAs and IPLCs Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director Optical Inline Amplifiers (ILAs) and Integrated Photonic Line Cards (IPLCs) Management RESTful Web Services.

The Juniper Networks Optical Inline Amplifier is a fixed stand-alone erbium-doped fiber amplifier (EDFA) with dual AC or DC power supplies. The optical inline amplifier (ILA) supports bidirectional optical inline amplification. It provides periodic amplification of a signal to enable long distance transmission and is typically placed between 50 miles (80 km) and 62 miles (100 km) apart along the length of the fiber. To enable this functionality, optical ILA is used in conjunction with the integrated photonic line card (IPLC) that is installed in the PTX3000 routers.

The IPLC base module is an integrated optical card that provides the combined functionalities of optical multiplexing and demultiplexing, optical amplification, optical equalization, and optical channel monitoring. The IPLC multiplexes and enables amplification of up to 32 individual wavelengths for transmission over single-mode optical fiber (through the add and drop ports on the front panel)

You can view the optical ILA and IPLC specifications that are currently applied on the device, such as wavelength and power. Also, you can modify the existing parameters of the optical ILA and IPLC.

Get the Optical ILA Configuration Details

This request is used to retrieve all the optical ILA configuration details and status for the specified device.

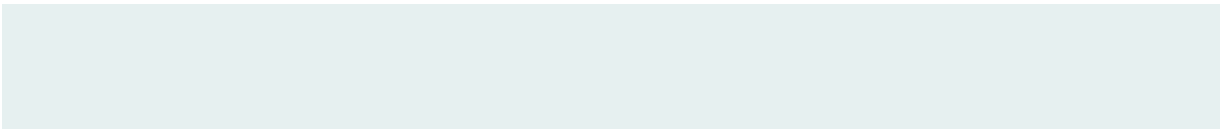
| | |
|--------------|---|
| URI | /api/space/packet-optical/config-manager/otnpic-status/devices/{device-id}/ila-system-config |
| HTTP Method | GET |
| Content Type | application/vnd.juniper.packet-optical.config-manager.ila-system-config+xml;version=1;q=0.01 application/vnd.juniper.packet-optical.config-manager.ila-system-config+json;version=1;q=0.01 |
| Produces | Collects the optical ILA configuration parameters. |

Table 28: URI Parameters

| Name | Type | URI Type | Description | Required |
|-----------|---------|----------|------------------|----------|
| device-id | Integer | Path | ID of the device | Yes |

Output

Sample XML Output



Get the Optical ILA OSC Configuration Details

This request is used to retrieve the optical supervisory channel (OSC) configuration details and status of the optical ILA for the specified device.

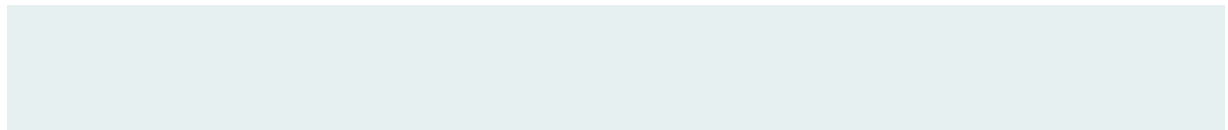
| | |
|--------------|---|
| URI | /api/space/packet-optical/config-manager/otnpic-status/devices/{device-id}/ila-osc-config |
| HTTP Method | GET |
| Content Type | application/vnd.juniper.packet-optical.config-manager.ila-osc-config+xml;version=1;q=0.01 application/vnd.juniper.packet-optical.config-manager.ila-osc-config+json;version=1;q=0.01 |
| Produces | Collects the optical ILA OSC configuration parameters. |

Table 29: URI Parameters

| Name | Type | URI Type | Description | Required |
|-----------|---------|----------|------------------|----------|
| device-id | Integer | Path | ID of the device | Yes |

Output

Sample XML Output



Get the Optical ILA EDFA Configuration Details

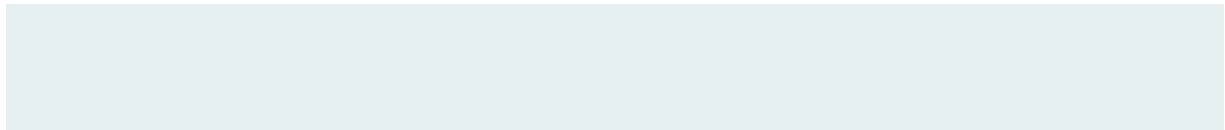
This request is used to retrieve the Erbium Doped Fiber Amplifier (EDFA) configuration details and status of an optical ILA for the specified device.

| | |
|-------------|--|
| URI | /api/space/packet-optical/config-manager/otnpic-status/devices/{device-id}/ila-edfa-overview |
| HTTP Method | GET |

| | |
|--------------|---|
| Content Type | application/vnd.juniper.packet-optical.config-manager.ila-edfa-overview+xml;version=1;q=0.01 application/vnd.juniper.packet-optical.config-manager.ila-edfa-overview+json;version=1;q=0.01 |
| Produces | Collects the optical ILA EDFA configuration parameters. |

Table 30: URI Parameters

| Name | Type | URI Type | Description | Required |
|-----------|---------|----------|------------------|----------|
| device-id | Integer | Path | ID of the device | Yes |

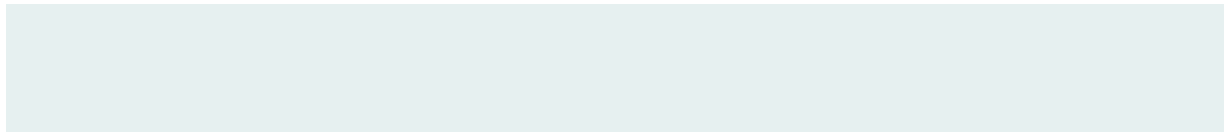
Output**Sample XML Output****Get the PM Administration Details by Interface of an Optical ILA**

This request is used to retrieve the Performance Monitoring administration information for the specified device and interface of an optical ILA.

| | |
|--------------|---|
| URI | api/space/packet-optical/performance-manager/admin/devices/{device-id}/intf-name/pm-admin-info |
| HTTP Method | GET |
| Content Type | application/vnd.juniper.packet-optical.performance-manager.status+xml;version=1;q=0.01 application/vnd.juniper.packet-optical.performance-manager.status+json;version=1;q=0.01 |
| Produces | Collects the Performance Monitoring administration information for the specified device and interface of an optical ILA. |

Table 31: URI Parameters

| Name | Type | URI Type | Description | Required |
|-----------|---------|----------|----------------------------|----------|
| device-id | Integer | Path | ID of the device | Yes |
| intf-name | String | Query | Encoded interface name URL | Yes |

Output**Sample XML Output****Get the PM Administration Details of All Interfaces of an Optical ILA**

This request is used to retrieve the Performance Monitoring administration information for the specified device and all interfaces on the optical ILA

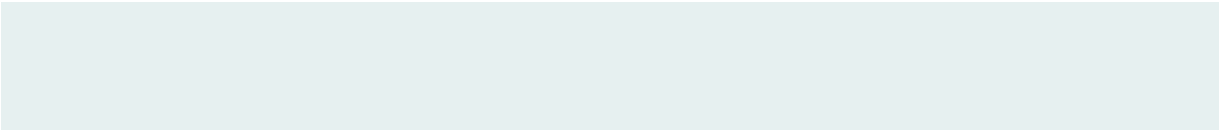
| | |
|--------------|---|
| URI | api/space/packet-optical/performance-manager/admin/devices/{device-id}/pm-admin-infos |
| HTTP Method | GET |
| Content Type | application/vnd.juniper.packet-optical. performance-manager.status+xml;version=1;q=0.01 application/vnd.juniper.packet-optical. performance-manager.status+json;version=1;q=0.01 |
| Produces | Collects the Performance Monitoring administration information for the specified device and all interfaces on the optical ILA. |

Table 32: URI Parameters

| Name | Type | URI Type | Description | Required |
|-----------|---------|----------|------------------|----------|
| device-id | Integer | Path | ID of the device | Yes |

Output

Sample XML Output



Enable the Collection of PM Statistics for an Optical ILA

This request is used to enable the mechanism to collect performance monitoring (PM) statistics for the specified device and interface on the optical ILA.

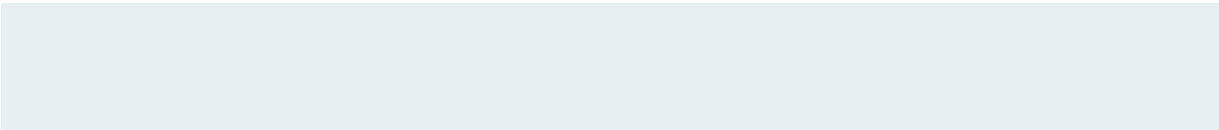
| | |
|--------------|---|
| URI | /api/space/packet-optical/performance-manager/admin/ devices/{device-id}/intf-name/enable-pm-collection |
| HTTP Method | PUT |
| Content Type | application/vnd.juniper.packet-optical. performance-manager.status+xml;version=1;q=0.01 application/vnd.juniper.packet-optical. performance-manager.status+json;version=1;q=0.01 |
| Produces | Enable the PM mechanism for the specified device and interface of an optical ILA. |

Table 33: URI Parameters

| Name | Type | URI Type | Description | Required |
|-----------|---------|----------|---|----------|
| device-id | Integer | Path | ID of the device | Yes |
| intf-name | String | Query | Encoded interface name such as “et-0/0/0” is “et-0%2f0%2f0%2f” | Yes |

Input

Sample XML Input



Get the PM Details of an Optical ILA Interface

This request is used to retrieve the current performance monitoring information for the ILA of a specified device and optical interface.

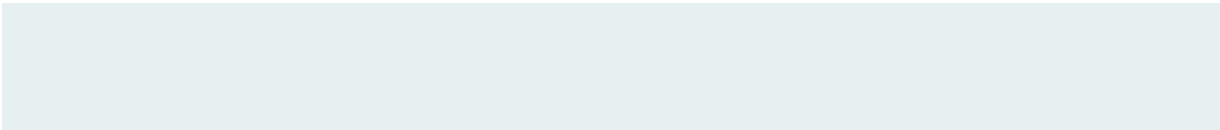
| | |
|--------------|---|
| URI | /api/space/packet-optical/performance-manager/devices/{device-id}/intf-name/current-otn-pm-datas |
| HTTP Method | GET |
| Content Type | application/vnd.juniper.packet-optical.performance-manager.current-otn-pm-datas+json;version=1;q=0.01 application/vnd.juniper.packet-optical.performance-manager.current-otn-pm-datas+xml;version=1;q=0.01 |
| Produces | Collects the current performance monitoring details for an optical ILA on a device. |

Table 34: URI Parameters

| Name | Type | URI Type | Description | Required |
|-----------|---------|----------|--|----------|
| device-id | Integer | Path | ID of the device | Yes |
| intf-name | String | Query | Encoded interface name such as "et-0/0/0" is "et-0%2f0%2f0%2f" | Yes |
| mon-type | String | Query | The PM monitor parameter | Yes |
| direction | Integer | Query | The PM direction: 0 = "NONE", 1 = "Tx", 2 = "Rx" | Yes |

Output

Sample XML Output



Get the Overview of Optical PM Data of an ILA

This request is used to retrieve an overview of the optical performance monitoring data for an optical ILA.

| | |
|--------------|---|
| URI | /api/space/packet-optical/performance-manager/devices/{device-id}/intf-name/otn-overviews |
| HTTP Method | GET |
| Content Type | application/vnd.juniper.packet-optical.performance-manager.otn-overviews+json;version=1;q=0.01 application/vnd.juniper.packet-optical.performance-manager.otn-overviews+xml;version=1;q=0.01 |
| Produces | Collects an overview of the PM data for an ILA of an optical interface on a device. |

Table 35: URI Parameters

| Name | Type | URI Type | Description | Required |
|-----------|---------|----------|--|----------|
| device-id | Integer | Path | ID of the device | Yes |
| intf-name | String | Query | Encoded interface name such as "et-0/0/0" is "et-0%2f0%2f0%2f" | Yes |
| mon-type | String | Query | The PM monitor parameter | Yes |
| layer | String | Query | The OTN layer: <ul style="list-style-type: none"> • 0 = "NONE" • 1 = "OTU" • 2 = "ODU" • 3 = "TCM" | Yes |
| direction | Integer | Query | The PM direction: 0 = "NONE", 1 = "Tx", 2 = "Rx" | Yes |

Input

Sample XML Input

```
http://172.21.28.109:8080/api/space/packet-optical/performance-manager/devices/786467/intf-name/otn-overviews?intf-name=et-0/1/0&layer=1
```

Output

Sample XML Output

```
{
  "otn-overviews": {
    "@uri":
"/api/space/packet-optical/performance-manager/devices/786467/intf-name/otn-overviews",

    "@total": "17",
    "pm-gui-summary": [
      {
        "mpoint-name": "OTU NE",
        "pre-interval": "NaN",
        "suspect-current": false,
        "suspect-day": false,
        "suspect-interval": false,
        "group-name": "OTU NE",
        "current-day": 0,
        "pre-day": "NaN",
        "device-id": 786467,
        "current": 0,
        "if-name": "et-0/1/0",
        "suspect-current-day": false
      },
      {
        "mpoint-name": "FEC NE",
        "pre-interval": "NaN",
        "suspect-current": false,
        "suspect-day": false,
        "suspect-interval": false,
        "group-name": "FEC NE",
        "current-day": 0,
        "pre-day": "NaN",
        "device-id": 786467,
        "current": 0,
        "if-name": "et-0/1/0",
        "suspect-current-day": false
      }
    ]
  }
}
```

```
},
{
```

Get the Optical ILA PM Parameters for an Interval

This request is used to retrieve the optical ILA PM parameters of an interface for the specified interval.

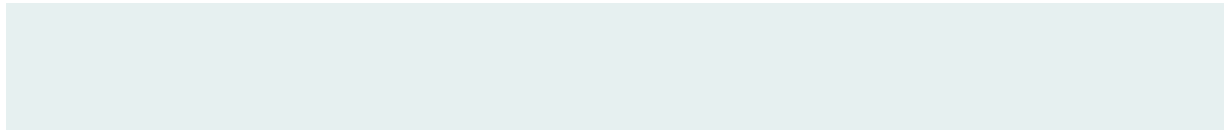
| | |
|--------------|---|
| URI | /api/space/packet-optical/performance-manager/ devices/{device-id}/intf-name/otn-intervals |
| HTTP Method | GET |
| Content Type | application/vnd.juniper.packet-optical.performance-manager. otn-intervals+json;version=1;q=0.01 application/vnd.juniper.packet-optical.performance-manager. otn-intervals+xml;version=1;q=0.01 |
| Produces | Collects the optical ILA PM parameters of an interface for the specified interval. |

Table 36: URI Parameters

| Name | Type | URI Type | Description | Required |
|-----------|---------|----------|--|----------|
| device-id | Integer | Path | ID of the device | Yes |
| intf-name | String | Query | Encoded interface name such as "et-0/0/0" is "et-0%2f0%2f0%2f" | Yes |
| mon-type | String | Query | The PM monitor parameter | Yes |
| layer | String | Query | The OTN layer: <ul style="list-style-type: none"> 0 = "NONE" 1 = "OTU" 2 = "ODU" 3 = "TCM" | Yes |

Table 36: URI Parameters (*continued*)

| Name | Type | URI Type | Description | Required |
|-----------|--------------|----------|--|----------|
| intervals | Integer | Query | Number of intervals | Yes |
| starttime | Long Integer | Query | Time at which collection of PM statistics is started | Yes |
| endtime | Long Integer | Query | Time at which collection of PM statistics is stopped | Yes |
| direction | Integer | Query | The PM direction: 0 = "NONE", 1 = "Tx", 2 = "Rx" | Yes |

Output**Sample XML Output****Get the Optical ILA PM Parameters of an Interface for the Previous Day**

This request is used to retrieve optical iLA PM parameters of an interface for the previous day.

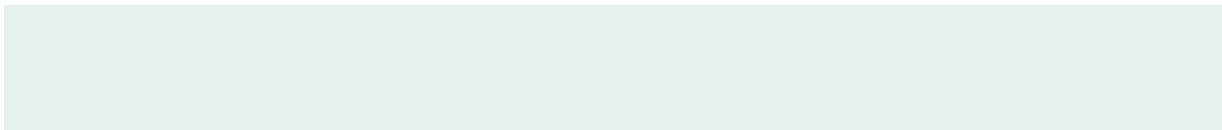
| | |
|--------------|---|
| URI | /api/space/packet-optical/performance-manager/devices/{device-id}/intf-name/otn-prev-days |
| HTTP Method | GET |
| Content Type | application/vnd.juniper.packet-optical.performance-manager.otn-prev-days+json;version=1;q=0.01 application/vnd.juniper.packet-optical.performance-manager.otn-prev-days+xml;version=1;q=0.01 |
| Produces | Collects the optical ILA PM parameters of an interface for the previous day. |

Table 37: URI Parameters

| Name | Type | URI Type | Description | Required |
|-----------|--------------|----------|--|----------|
| device-id | Integer | Path | ID of the device | Yes |
| intf-name | String | Query | Encoded interface name such as "et-0/0/0" is "et-0%2f0%2f0%2f" | Yes |
| mon-type | String | Query | The PM monitor parameter | Yes |
| layer | String | Query | The OTN layer: <ul style="list-style-type: none"> • 0 = "NONE" • 1 = "OTU" • 2 = "ODU" • 3 = "TCM" | Yes |
| days | Integer | Query | Number of day intervals | Yes |
| starttime | Long Integer | Query | Time at which collection of PM statistics is started | Yes |
| endtime | Long Integer | Query | Time at which collection of PM statistics is stopped | Yes |
| direction | Integer | Query | The PM direction: 0 = "NONE", 1 = "Tx", 2 = "Rx" | Yes |

Output

Sample XML Output



Get the Optical ILA TCA Details

This request is used to retrieve threshold crossing alarms (TCAs) of an optical ILA on the interface of a device.

| | |
|--------------|---|
| URI | /api/space/packet-optical/performance-manager/devices/{device-id}/intf-name/otn-tcas |
| HTTP Method | GET |
| Content Type | application/vnd.juniper.packet-optical.performance-manager.otn-tcas+json;version=1;q=0.01 application/vnd.juniper.packet-optical.performance-manager.otn-tcas+xml;version=1;q=0.01 |
| Produces | Collects optical ILA TCA details for an interface. |

Table 38: URI Parameters

| Name | Type | URI Type | Description | Required |
|-----------|---------|----------|--|----------|
| device-id | Integer | Path | ID of the device | Yes |
| intf-name | String | Query | Encoded interface name such as "et-0/0/0" is "et-0%2f0%2f0%2f" | Yes |
| mon-type | String | Query | The PM monitor parameter | Yes |
| layer | String | Query | The OTN layer: <ul style="list-style-type: none"> • 0 = "NONE" • 1 = "OTU" • 2 = "ODU" • 3 = "TCM" | Yes |
| direction | Integer | Query | The PM direction: 0 = "NONE", 1 = "Tx", 2 = "Rx" | Yes |

Output

Sample XML Output

Get the Optical IPLC Configuration Details

This request is used to retrieve all the optical IPLC configuration details and status for the specified device.

| | |
|--------------|---|
| URI | /api/space/packet-optical/ipplc-config-manager/devices/{device-id}/fpc-slots/{fpc-slot}/ipplc-configs |
| HTTP Method | GET |
| Content Type | application/vnd.juniper.api.space.packet-optical.ipplc-config-manager.ipplc-config-response+xml;version=1 application/vnd.juniper.api.space.packet-optical.ipplc-config-manager.ipplc-config-response+json;version=1 |
| Produces | Collects the optical IPLC configuration parameters. |

Table 39: URI Parameters

| Name | Type | URI Type | Description | Required |
|---------------------|---------|----------|--|----------|
| device-id | Integer | Path | ID of the device | Yes |
| fpc-slot | Integer | Path | Slot number of the FPC | Yes |
| express-card-list | String | String | Express Card List. | Yes |
| expansionfpc | String | String | FPC slot number of the IPLC expansion module | No |
| expansion-card-list | String | String | Expansion Card List | No |
| expressfpc | String | String | FPC slot number of the IPLC in express-in mode | No |

Table 39: URI Parameters (continued)

| Name | Type | URI Type | Description | Required |
|------------------|------------------------------|----------|-------------------------------------|----------|
| iplc-wavelengths | iplc-config-iplc-wavelengths | | Wavelengths configured for the IPLC | No |
| iplc-alarms | iplc-config-iplc-alarms | | Alarms generated for the IPLC | No |
| used-exprfpc | Boolean | Integer | | No |

Output

Sample XML Output

```

<iplc-config-response
uri="/api/space/packet-optical/iplc-config-manager/devices/{device-id}/fpc-slots/{fpc-slot}/iplc-configs">

  <express-card-list>String</express-card-list>
  <expansionfpc>String</expansionfpc>
  <expressfpc>String</expressfpc>
  <expansion-card-list>String</expansion-card-list>
  <iplc-wavelengths
uri="/api/space/packet-optical/iplc-config-manager/devices/{device-id}/fpc-slots/{fpc-slot}/iplc-configs/iplc-wavelengths">

    <iplc-wavelength>
      <wavelength>String</wavelength>
      <end-point>String</end-point>
      <configuration>String</configuration>
      <frequency>String</frequency>
      <iplcLabel>String</iplcLabel>
    </iplc-wavelength>
  </iplc-wavelengths>
  <device-id>Integer</device-id>
  <iplc-alarms>
    <iplc-alarms>
      <edfa2_alarm>String</edfa2_alarm>
      <main_alarm>String</main_alarm>
      <wss_alarm>String</wss_alarm>
      <edfa1_alarm>String</edfa1_alarm>
    </iplc-alarms>
  </iplc-alarms>
</iplc-config-response>

```

```

    </iplc-alarms>
    <fpc-slot>String</fpc-slot>
    <used-exprfpc>Boolean</used-exprfpc>
  </iplc-config-response>

```

Sample JSON Output

```

{
  "iplc-config-response" : {
    "@uri" :

"/api/space/packet-optical/iplc-config-manager/devices/{device-id}/fpc-slots/{fpc-slot}/iplc-configs"

    ,
    "express-card-list" : "String" ,
    "expansionfpc" : "String" ,
    "expressfpc" : "String" ,
    "expansion-card-list" : "String" ,
    "iplc-wavelengths" : {
      "@uri" :

"/api/space/packet-optical/iplc-config-manager/devices/{device-id}/fpc-slots/{fpc-slot}/iplc-configs/iplc-wavelengths"

      ,
      "iplc-wavelength" : {
        "wavelength" : "String" ,
        "end-point" : "String" ,
        "configuration" : "String" ,
        "frequency" : "String" ,
        "iplcLabel" : "String"
      }
    } ,
    "device-id" : "Integer" ,
    "iplc-alarms" : {
      "iplc-alarms" : {
        "edfa2_alarm" : "String" ,
        "main_alarm" : "String" ,
        "wss_alarm" : "String" ,
        "edfal_alarm" : "String"
      }
    }
  }
}

```

```

    } ,
    "fpc-slot" : "String" ,
    "used-exprfpc" : "Boolean"
  }
}

```

Get Device Service Endpoints Mapped To IPLC Ports

This request is used to retrieve all the device service endpoints mapped to IPLC ports. The sample usage is as follows:

```

/iplc-config-manager/iplc-devices/{dev-id}/iplc-dev-names/iplc-addresses/devs/
dev-names/ip-addresses/device-service-end-points-mappeds?iplc-device-id=
<iplc-device-id>&iplc-dev-name=<iplc-dev-name>&iplc-address=<iplc-address>
&dev-name=<dev-name>&ip-address=<ip-address>

```

| | |
|--------------|---|
| URI | /api/space/packet-optical/iplc-config-manager/iplc-devices/{dev-id}/iplc-dev-names/iplc-addresses/devs/dev-names/ip-addresses/device-service-end-points-mappeds |
| HTTP Method | GET |
| Content Type | application/vnd.juniper.api.space.packet-optical.iplc-config-manager.device-service-end-points-mapped-to-iplc-ports+xml;version=1 application/vnd.juniper.api.space.packet-optical.iplc-config-manager.device-service-end-points-mapped-to-iplc-ports+json;version=1 |
| Produces | Collects the device service endpoints mapped to IPLC ports. |

Table 40: URI Parameters

| Name | Type | URI Type | Description | Required |
|-------------|---------|----------|--------------------|----------|
| device-id | Integer | Path | ID of the device | Yes |
| device-name | String | Query | Name of the device | Yes |

Table 40: URI Parameters (continued)

| Name | Type | URI Type | Description | Required |
|------------------|---------|----------|---|----------|
| ip-address | String | Query | IP address configured for the device | Yes |
| iplc-device-id | Integer | Query | ID of the IPLC device | Yes |
| iplc-device-name | String | Query | Name of the IPLC device | Yes |
| iplc-address | String | Query | IP address configured for the IPLC device | Yes |

Output

Sample XML Output

```

<device-service-end-points-mapped-to-iplc-ports
  total="Integer"
  uri="/api/space/packet-optical/iplc
-config-manager/iplc-devices
/{dev-id}/iplc-dev-names/iplc-addresses
/devs/dev-names/ip-addresses
/device-service-end-points-mapped">
  <service-end-point>

  <tx-power>String</tx-power>

  <domain-name>String</domain-name>

  <dev-name>String</dev-name>

  <admin-state>Boolean</admin-state>

  <isma>Boolean</isma>

  <wavelength>String</wavelength>

  <intf-name>String</intf-name>

  <dwdm-port>Integer</dwdm-port>

```

```

<domain-id>Integer</domain-id>

<dev-id>Integer</dev-id>

<ip-address>String</ip-address>
                                </service-end-point>
</device-service-end-points-mapped-to-iplc-ports>

```

Sample JSON Output

```

{

  "device-service-end-points-mapped-to-iplc-ports" :
  {
    "@total" :
    "Integer" ,
    "@uri" :

    "/api/space/packet-optical/iplc-
    config-manager/iplc-devices
    /{dev-id}/iplc-dev-names/iplc-addresses
    /devs/dev-names/ip-addresses
    /device-service-end-points-mappeds"

    ,
    "service-end-point" : {
      "tx-power" :
      "String" ,
      "domain-name"
      : "String" ,
      "dev-name" :
      "String" ,
      "admin-state"
      : "Boolean" ,
      "isma" :
      "Boolean" ,
      "wavelength" :
      "String" ,
      "intf-name" :
      "String" ,

```

```
        "dwdm-port" :  
        "Integer" ,  
        "domain-id" :  
        "Integer" ,  
        "dev-id" :  
        "Integer" ,  
        "ip-address" :  
        "String"  
    }  
}  
}
```

Specify an Optical IPLC Configuration

This request is used to specify the optical IPLC configuration for the specified device.

Because this API makes an asynchronous method call, you can (optionally) specify queue and schedule parameters using the following HTTP PUT method:

/iplc-config-manager/devices/{device-id}/fpc-slots/{fpc-slot}/set-iplc-config?queue=<queue>&schedule=<schedule>

It is assumed that the queue url denoted by <queue> has been already created.

| | |
|--------------|---|
| URI | /api/space/packet-optical/iplc-config-manager/devices/{device-id}/fpc-slots/{fpc-slot}/set-iplc-config |
| HTTP Method | PUT |
| Content Type | application/vnd.juniper.api.space.packet-optical.iplc-config-manager.set-iplc-config-request+xml;version=1;charset=UTF-8 application/vnd.juniper.api.space.packet-optical.iplc-config-manager.set-iplc-config-request+json;version=1;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.job-management.task+xml;version=1 application/vnd.net.juniper.space.job-management.task+json;version=1 |
| Produces | Specify the optical IPLC configuration parameters. |

Table 41: URI Parameters

| Name | Type | URI Type | Description | Required |
|-----------|----------------------|----------|--|----------|
| device-id | Integer | Path | ID of the device | Yes |
| fpc-slot | Integer | Path | Slot number of the FPC | Yes |
| queue | Queue URL | Query | A fully qualified queue URL, where job progress notifications will be sent | No |
| schedule | cron-like-expression | Query | Schedule this API in the future, by specifying a cron-like-expression | No |

Input

Sample XML Input

```

<set-iplc-config-request>
  <expansionfpc>String</expansionfpc>
  <expressfpc>String</expressfpc>
  <iplc-wavelengths>
    <iplc-wavelength>
      <wavelength>String</wavelength>
      <end-point>String</end-point>
      <configuration>String</configuration>
    </iplc-wavelength>
  </iplc-wavelengths>
  <iplc-alarms>
    <iplc-alarms>
      <edfa2_alarm>String</edfa2_alarm>
      <main_alarm>String</main_alarm>
      <wss_alarm>String</wss_alarm>
      <edfa1_alarm>String</edfa1_alarm>
    </iplc-alarms>
  </iplc-alarms>
  <device-id>Integer</device-id>

```

```

    <fpc-slot>String</fpc-slot>
  </set-iplc-config-request>

```

Sample JSON Input

```

{
  "set-iplc-config-request" : {
    "expansionfpc" : "String" ,
    "expressfpc" : "String" ,
    "iplc-wavelengths" : {
      "iplc-wavelength" : {
        "wavelength" : "String" ,
        "end-point" : "String" ,
        "configuration" : "String"
      }
    }
  } ,
  "iplc-alarms" : {
    "iplc-alarms" : {
      "edfa2_alarm" : "String" ,
      "main_alarm" : "String" ,
      "wss_alarm" : "String" ,
      "edfa1_alarm" : "String"
    }
  } ,
  "device-id" : "Integer" ,
  "fpc-slot" : "String"
}

```

Specify a Partner Optical IPLC Configuration

This request is used to specify the partner optical IPLC configuration for the specified device.

Because this API makes an asynchronous method call, you can (optionally) specify queue and schedule parameters using the following HTTP PUT method:

```

/iplc-config-manager/devices/{device-id}/fpcslots/{fpcslot}/expressfpcs/{expressfpc}/expansionfpcs/
{expansionfpc}/set-partner-iplc-card?queue=<queue>&schedule=<schedule>

```

It is assumed that the queue url denoted by <queue> has been already created.

| | |
|--------------|---|
| URI | /api/space/packet-optical/iplc-config-manager/devices/{device-id}/fpcslots/{fpcslot}/expressfpcs/{expressfpc}/expansionfpcs/{expansionfpc}/set-partner-iplc-card |
| HTTP Method | PUT |
| Content Type | application/vnd.juniper.api.space.packet-optical.iplc-config-manager.set-partner-iplc-card+xml;version=1;charset=UTF-8 application/vnd.juniper.api.space.packet-optical.iplc-config-manager.set-partner-iplc-card+json;version=1;charset=UTF-8 |
| Consumes | application/vnd.net.juniper.space.job-management.task+xml;version=1 application/vnd.net.juniper.space.job-management.task+json;version=1 |
| Produces | Specify the partner optical IPLC configuration parameters. |

Table 42: URI Parameters

| Name | Type | URI Type | Description | Required |
|--------------|-----------|----------|--|----------|
| device-id | Integer | Path | ID of the device | Yes |
| fpc-slot | Integer | Path | Slot number of the FPC | Yes |
| expressfpc | String | Path | Slot number of the FPC in which the IPLC in express-in mode resides | Yes |
| expansionfpc | String | Path | Slot number of the FPC in which the expansion IPLC module resides | Yes |
| queue | Queue URL | Query | A fully qualified queue URL, where job progress notifications will be sent | No |

Table 42: URI Parameters (*continued*)

| Name | Type | URI Type | Description | Required |
|----------|----------------------|----------|---|----------|
| schedule | cron-like-expression | Query | Schedule this API in the future, by specifying a cron-like-expression | No |

Input**Sample XML Input**

```

<set-partner-iplc-card>
  <expansionfpc>String</expansionfpc>
  <expressfpc>String</expressfpc>
  <iplc-wavelengths>
    <iplc-wavelength>
      <wavelength>String</wavelength>
      <end-point>String</end-point>
      <configuration>String</configuration>
    </iplc-wavelength>
  </iplc-wavelengths>
  <iplc-alarms>
    <iplc-alarms>
      <edfa2_alarm>String</edfa2_alarm>
      <main_alarm>String</main_alarm>
      <wss_alarm>String</wss_alarm>
      <edfa1_alarm>String</edfa1_alarm>
    </iplc-alarms>
  </iplc-alarms>
  <device-id>Integer</device-id>
  <fpc-slot>String</fpc-slot>
</set-partner-iplc-card>

```

Sample JSON Input

```

{
  "set-partner-iplc-card" : {
    "expansionfpc" : "String" ,

```

```

    "expressfpc" : "String" ,
    "iplc-wavelengths" : {
        "iplc-wavelength" : {
            "wavelength" : "String" ,
            "end-point" : "String" ,
            "configuration" : "String"
        }
    } ,
    "iplc-alarms" : {
        "iplc-alarms" : {
            "edfa2_alarm" : "String" ,
            "main_alarm" : "String" ,
            "wss_alarm" : "String" ,
            "edfa1_alarm" : "String"
        }
    } ,
    "device-id" : "Integer" ,
    "fpc-slot" : "String"
}
}

```

Op Scripts for Troubleshooting Services Management RESTful Web Services

The following operations can be performed using the Connectivity Services Director Op Scripts for Troubleshooting Services Management RESTful Web Services. Op scripts are based on the Junos XML management protocol, and the Junos XML API. Op scripts can be written in either the Extensible Stylesheet Language Transformations (XSLT) or Stylesheet Language Alternative Syntax (SLAX) scripting language. Op scripts use XPath to locate the operational objects to be inspected and XSLT constructs to specify the actions to perform on the located operational objects. The actions can change the output or execute additional commands based on the output. The troubleshooting feature provides an easy and unique way to troubleshoot the services. You do not have to manually login to a device to check the status of services in the Connectivity Services Director application, but you can do the same using the functionality of operational scripts. You do have the flexibility of writing your own scripts to view the results.

Get a List of Op Scripts for a VPN Service

This request is used to retrieve the list of operational (op) scripts for a particular service.

| | |
|-------------|--|
| URI | serviceui/reteasy/troubleshoot-service/ op-scripts/{service-id} |
| HTTP Method | GET |
| Consumes | application/json application/xml |
| Produces | Retrieves the op scripts configured for a particular service. |

Output

Sample XML Output

```
{
  "OpScriptUIBean": {
    "contexts": [
      {
        "name":
"/device[name=\"junos-space2\"]/interface[name=\"ge-0/1/4.178\"],
        "value": ""
      },
      {
        "name":
"/device[name=\"junos-space3\"]/interface[name=\"ge-0/1/2.178\"],
        "value": ""
      },
      {
        "name":
"/device[name=\"junos-space2\"]/configuration/routing-instances/instance[name=\"bgp1\"
and instance-type=\"l2vpn\"]/interface[name=\"ge-0/1/4.178\"],
        "value": ""
      },
      {
        "name":
"/device[name=\"junos-space3\"]/configuration/routing-instances/instance[name=\"bgp1\"
and instance-type=\"l2vpn\"]/interface[name=\"ge-0/1/2.178\"],

```

```

        "value": ""
    }
],
"scriptBeans": [
    {
        "createdDate": "May 18, 2015 11:55:55 AM IST",
        "description": "Shows L3VPN Ping results (Data Plane) information",
        "lastUpdatedDate": "May 18, 2015 11:55:55 AM IST",
        "name": "local-execution-script2.slax",
        "parameters": {
            "description": "Remote UNI IPs.(Multiple ips needs to be comma
separated)",
            "name": "RemoteIPs",
            "scriptid": 0,
            "value": ""
        },
        "scriptId": 327688,
        "type": "Local",
        "version": 1
    },
    {
        "createdDate": "May 18, 2015 16:19:42 PM IST",
        "description": "Shows L3VPN Ping results (Data Plane) information",
        "lastUpdatedDate": "May 18, 2015 16:19:42 PM IST",
        "name": "local-execution-script3.slax",
        "parameters": {
            "description": "Remote UNI IPs.(Multiple ips needs to be comma
separated)",
            "name": "RemoteIPs",
            "scriptid": 0,
            "value": ""
        },
        "scriptId": 557068,
        "type": "Local",
        "version": 1
    }
],
"serviceId": 1277965
}
}

```

Execute the Op Script for an Endpoint of a VPN Service

This request is used to execute the op script for endpoints of a service for troubleshooting purposes.

| | |
|-------------|--|
| URI | serviceui/reteasy/troubleshoot-service/execute-script/{service-id} |
| HTTP Method | POST |
| Consumes | application/json application/xml |
| Produces | Executes the op script for endpoints of a particular service. |

Input

Sample XML Input

```
{
  "ScriptUIBeanList":{
    "scriptUIBeans":[
      {
        "scriptId":327688,
        "name":"local-execution-script2.slax",
        "description":"Shows L3VPN Ping results (Data Plane) information",

        "version":1,
        "createdDate":"May 18",
        "lastUpdatedDate":"May 18, 2015 11:55:55 AM IST",
        "type":"Device",
        "parameters":[
          {
            "CONTEXT":"context",
            "name":"CONTEXT",
            "scriptid":327688,

            "value":"/device[name=\\"junos-space2\\"]/configuration/routing-instances/instance[name=\\"bgp1\\"
            and instance-type=\\"l2vpn\\"]/interface[name=\\"ge-0/1/4.178\\""],
            "scriptName":"local-execution-script2.slax"
          },
          {
            "description":"Remote UNI IPs.(Multiple ips needs to be
```

```
comma separated)",
    "name": "RemoteIPs",
    "scriptId": 327688,
    "value": "",
    "scriptName": "local-execution-script2.slax"
  }
]
}
]
}
}
```

Output

Sample XML Output

```
{
  success: 'true',
  title: 'Execute Script Results',

  contexts: ' [/device[name="junos-space2"]/configuration/routing-instances/instance[name="bgp1"
              and instance-type="l2vpn"]/interface[name="ge-0/1/4.178"]]',
  serviceId: '1277965',
  message: '1474654'
}
```

NOTE: The message field signifies the job ID in the preceding output.

View the Job Results of an Executed Op Script for a VPN Service

This request is used to view the results of the job run to execute the op script.

| | |
|-------------|--|
| URI | serviceui/resteasy/troubleshoot-service/ op-scripts/job-result/{job-id} |
| HTTP Method | GET |

| | |
|----------|--|
| Consumes | application/json application/xml |
| Produces | Displays the results of the job that was run to execute the op script. |

Output

Sample XML Output

```
{
  "OpScriptJobResultUIBean": {
    "jobId": 1474654,
    "scriptResultUIBeans": {
      "deviceId": 131113,
      "deviceName": "junos-space2",
      "jobId": 1474654,
      "scriptId": 327688,
      "scriptName": "local-execution-script2.slax",
      "scriptVersion": 1,
      "status": "Failed"
    },
    "status": "Success"
  }
}
```

Get a List of Op Scripts for an LSP Service

This request is used to retrieve the list of operational (op) scripts for a particular LSP service.

| | |
|-------------|--|
| URI | serviceui/resteasy/troubleshoot-service/ TA/op-scripts/{service-id} |
| HTTP Method | GET |
| Consumes | application/json application/xml |
| Produces | Retrieves the op scripts configured for a particular LSP service. |

Output

Sample XML Output

```
{
  "OpScriptUIBean": {
    "contexts": [
      {
        "name":
"/device[name=\\"960R2_EN_Alok_re\\"]/configuration/protocols/mps/lsp[name=\\\"FMRSVPBFD
Secondary_7R1_960R2_EN_Alok_re_to_128_220_22_115,FMRSVPBFDSecondary_7R1_960R2_
EN_Alok_re_to_128_220_14_166,FMRSVPBFDSecondary_7R1_960R2_EN_Alok_re_to_128_220_18_185,\\\"],
        "value": " "
      },
      {
        "name":
"/device[name=\\"960R1_EN_Alok_re\\"]/configuration/protocols/mps/lsp[name=\\
\"FMRSVPBFDSecondary_7R1_960R1_EN_Alok_re_to_128_220_14_166,FMRSVPBFD
Secondary_7R1_960R1_EN_Alok_re_to_128_220_18_185,FMRSVPBFDSecondary_7R1_960R1_EN_Alok_re_to_128_220_22_103,\\\"],
        "value": " "
      },
      {
        "name":
"/device[name=\\"480R3_EN_Alok_re\\"]/configuration/protocols/mps/lsp[name=
\\\"FMRSVPBFDSecondary_7R1_480R3_EN_Alok_re_to_128_220_14_166,FMRSVPBFD
Secondary_7R1_480R3_EN_Alok_re_to_128_220_22_115,FMRSVPBFDSecondary_7R1_480R3_EN_Alok_re_to_128_220_22_103,\\\"],
        "value": " "
      },
      {
        "name":
"/device[name=\\"480R4_EN_Alok_re\\"]/configuration/protocols/mps/lsp[name=
\\\"FMRSVPBFDSecondary_7R1_480R4_EN_Alok_re_to_128_220_18_185,FMRSVPBFD
Secondary_7R1_480R4_EN_Alok_re_to_128_220_22_103,FMRSVPBFDSecondary_7R1_480R4_EN_Alok_re_to_128_220_22_115,\\\"],
        "value": " "
      }
    ],
    "scriptBeans": {
      "createdDate": "May 13, 2016 07:16:54 AM UTC",
      "description": "RSVP LSP Predefined Script",
      "lastUpdatedDate": "May 13, 2016 07:16:54 AM UTC",
      "name": "RSVPLSPPredefinedScript.slax",
      "scriptId": 229404,
      "type": "Local",
    }
  }
}
```

```
        "version": 1
      },
      "serviceId": 213
    }
  }
}
```

Execute the Op Script for an Endpoint of an LSP Service

This request is used to execute the op script for endpoints of an LSP service for troubleshooting purposes.

| | |
|-------------|---|
| URI | serviceui/reteasy/troubleshoot-service/TA/execute-script/{service-id} |
| HTTP Method | POST |
| Consumes | application/json application/xml |
| Produces | Executes the op script for endpoints of a particular LSP service. |

Input

Sample XML Input

```
{
  "ScriptUIBeanList":{
    "scriptUIBeans":[
      {
        "scriptId":229404,
        "name":"RSVPLSPPredefinedScript.slax",
        "description":"RSVP LSP Predefined Script",
        "version":1,
        "createdDate":"May 13, 2016 07:16:54 AM UTC",
        "lastUpdatedDate":"May 13, 2016 07:16:54 AM UTC",
        "type":"Local",
        "parameters":[]
      }
    ]
  }
}
```

Sample XML Output

NOTE: The message field signifies the job ID in the preceding output.

This request is used to view the results of the job run to execute the op script.

| | |
|-------------|--|
| URI | serviceui/reteasy/troubleshoot-service/TA/ op-scripts/job-result/{job-id} |
| HTTP Method | GET |
| Consumes | application/json application/xml |

Produces

Displays the results of the job that was run to execute the op script for an LSP service.

Output

Sample XML Output

```
{
  "OpScriptJobResultUIBean": {
    "jobId": 1474654,
    "scriptResultUIBeans": {
      "deviceId": 131113,
      "deviceName": "junos-space2",
      "jobId": 1474654,
      "scriptId": 327688,
      "scriptName": "local-execution-script2.slax",
      "scriptVersion": 1,
      "status": "Failed"
    },
    "status": "Success"
  }
}
```