



Junos[®] Space

Junos[®] Space Service Now API Reference

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Junos[®] Space Service Now API Guide

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PART 1

Introduction

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CHAPTER 1

REST API Overview

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- [Service Now REST API Overview on page 4](#)
- [Service Insight REST API Overview on page 5](#)

REST API Overview

The Juniper Networks Service Now 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 Service Now 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.

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

**Example resource
returned in XML format**

```
<device uri="/api/juniper/service/now/device-managemetn/devices/163840">  
  <hostName>mx480-2-re0</hostName>  
  <serialNumber>JN11AFF42AFB</serialNumber>  
  <product>MX480</product>  
  <softwareRelease>11.2B3</softwareRelease>
```

**Example resource
returned in JSON
format**

```
device:{  
  uri:'/api/juniper/servicenow/device-management/devices/163840',  
  hostname:'mx480-2-re0',  
  serialnumber:'JN11AFF42AFB',  
  product:'MX480',  
  softwarerelease:'11.2B3',  
}
```

REST standards are well described in books and on the Internet. It is not the intend of this guide to discuss the RESTful architecture. The remainder of this guide focuses on the Service Now RESTful APIs.

**Related
Documentation**

- [Service Now REST API Overview on page 4](#)
- [Service Insight REST API Overview on page 5](#)

Service Now REST API Overview

Service Now REST APIs are divided into the following resource groups:

- autosubmit-policy-management
- device-management
- incident-management
- jmb-error-management
- scriptbundle-management
- device-group-management
- devicesnapshot-management
- case-management
- event-profile-management
- endcustomer-case-management
- address-group-management
- organization-management

An auto submit policy is a policy that you create to enable Service Now to submit incidents to Juniper Support Services (JSS) automatically. With the **autosubmit-policy-management** resources, you can return a specific (or all) auto submit policies and assign them to devices.

Junos Space simplifies management of the devices running Junos software on your network. Using the **device-management** resources, you can perform operations such as retrieving device attributes, associate devices with a device group, delete devices and installing event profiles.

In Service Now, incidents are problem events that are detected on a device. The **incident-mangement** resources lets you retrieve and delete incidents, submit cases and export Juniper Message Bundles (JMBs).

Service Now identifies the JMBs with errors and stores them in a database. Using the **jmb-error-management** resources, you can retrieve JMB errors, get notifications when JMB errors occur, perform various operations on JMB errors and delete them.

With the **scriptbundle-management** resources, you can retrieve information about script bundles. For example, you can view all available script bundles or return information or events about a specific script bundle.

Device groups are used to group devices within an organization. Using **device-group-management** resources you can associate an organization with one or more device groups and can maintain groups of devices with similar attributes or uses.

Service Now periodically collects and displays Information Juniper Message Bundles (iJMBs) that contain information about devices. These iJMBs are processed and displayed on the Device Snapshot page in the Service Now application. Using the **devicemanagement-snapshot** resources you can view and export the device snapshot information.

Use the **case-management** resource to fetch technical support cases from Service Now.

An event profile is a set of event scripts that are selected from an AI-Script bundle. When you install an event profile on Juniper Networks devices, the event scripts are installed on the devices and provide the information needed to automatically detect and report problem (incident) and information events, thus ensuring maximum network uptime. With the **event-profile-management** resources you can view the event profiles and install event profiles on devices.

The **endcustomer-case-management** resource displays all cases belonging to the end customers of Service Now. This is applicable only when Service Now is in Partner Proxy mode.

The **address-group-management** resource lets you retrieve, create, modify, associate and perform other tasks associated with address locations, such as a ship-to address.

To open technical support cases and share iJMBs with Juniper Networks, you must first set up an organization in Service Now. With the **organization-management** resource, you can retrieve, delete and modify organizations in Service Now.

**Related
Documentation**

- [REST API Overview on page 3](#)
- [Service Insight REST API Overview on page 5](#)

Service Insight REST API Overview

Service Insight is an application on the Junos Space platform that uses periodic health data collected via Service Now to deliver proactive management capabilities such as Proactive Bug Notification and EOL/ EOS analysis.

Service Insight REST APIs are divided into the following resource groups:

- exposureanalyzer
- eolreport-management
- pbnreport-management

The Service Insight Exposure Analyzer lists details about the devices managed with Junos Space, including information about EOL announcements. Using the **exposureanalyzer** resources, you can retrieve all managed devices in Service Insight.

With the **eolreport-management** resources, you can generate EOL reports, which show the number of devices with End Of Life announce parts. EOL reports are exported in the Excel format.

**Related
Documentation**

- [REST API Overview on page 3](#)
- [Service Now REST API Overview on page 4](#)

PART 2

API Reference

- [Script Bundle Management REST APIs on page 9](#)
- [Service Insight REST APIs on page 19](#)
- [Device Management REST APIs on page 33](#)
- [Event Profile Management REST APIs on page 75](#)
- [Incident Management REST APIs on page 85](#)
- [Technical Support Case Management REST APIs on page 109](#)
- [Service Now End Customer Case Management REST API on page 117](#)
- [Service Now Auto Submit Policy Management REST APIs on page 123](#)
- [Device Snapshot Management on page 137](#)
- [JMB Error Management on page 145](#)
- [Organization Management on page 151](#)
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CHAPTER 2

Script Bundle Management REST APIs

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- [Get All Script Bundles on page 10](#)
- [Get Script Bundle Info by Bundle ID on page 12](#)
- [Get All Events In A Script Bundle on page 14](#)
- [Create an Event Profile on page 17](#)

Script Bundle Management REST API Overview

Scripts are configuration and diagnostic automation tools provided by the Junos OS. They help reduce network downtime and configuration complexity, automate common tasks, and decrease the time to problem resolution. You can group multiple scripts into a script bundle to deploy and execute the script bundle on Junos OS devices. The script bundle APIs let you retrieve a list of events from the script bundle.

Service Now provides the capability to upload a script bundle. A script bundle containing additional events can be uploaded in service now and then be queried to get all events. Using these events, new event profiles can be created from Create Event Profile REST API.

The `/api/juniper/servicenow/scriptbundle-management` resource is available under `https://[host]/api/juniper/servicenow`.

URI

`https://[host]/api/juniper/servicenow/scriptbundle-management` (HTTP method = GET)

Produces

- `vnd.juniper.servicenow.scriptbundle-management +json;version=1`
- `vnd.juniper.servicenow.scriptbundle-management +xml;version=1`

Output

Example XML Output

```
<servicenow-scriptbundle-management>
  <collection href="/api/juniper/servicenow/scriptbundle-management/scriptbundles"
    rel="scriptbundle-management/scriptbundles"/>
</servicenow-scriptbundle-management>
```

Example JSON Output

Related Documentation

- [Get All Script Bundles on page 10](#)
- [Get Script Bundle Info by Bundle ID on page 12](#)
- [Get All Events In A Script Bundle on page 14](#)
- [Create an Event Profile on page 17](#)

Get All Script Bundles

The Get All Auto Script Bundles operation returns all available script bundles loaded on a device.

URI

`http://[host]/api/juniper/servicenow/scriptbundle-management/scriptbundles` (HTTP method = GET)

URI Parameters

None.

Produces

- `vnd.juniper.servicenow.scriptbundle-management.scriptbundles+xml;version=1;`
- `vnd.juniper.servicenow.scriptbundle-management.scriptbundles+json;version=1;`

Response

Element	Description
key	Service bundle unique key ID.
name	Script bundle name.
receiveTime	Script bundle creation date and time.
version	The version of the script bundle installed on a device.
isDefault	If true then this script bundle is the default. Service Now allows you to set a script bundle as the default. When you create an event profile, the default script bundle is automatically selected as the script bundle from which you select event scripts to associate with the event profile.

Response Status Code

Message	Description
204 No Content	No script bundle exists

Output**Example XML Output**

```
<scriptbundles uri="/api/juniper/servicenow/scriptbundle-management/scriptbundles/"
size="2">
  <scriptbundle key="295312"
uri="/api/juniper/servicenow/scriptbundle-management/scriptbundles/295312">
    <name>jais-3.2R1.2-signed.tgz</name>
    <receiveTime>2012-01-19 04:58:04.0</receiveTime>
    <version>3.2R1.2</version>
    <isDefault>>false</isDefault>
  </scriptbundle>
  <scriptbundle key="851968"
uri="/api/juniper/servicenow/scriptbundle-management/scriptbundles/851968">
    <name>jais-3.2I20111114_2332_rsalaiz-signed.tgz</name>
    <receiveTime>2012-01-19 04:58:04.0</receiveTime>
    <version>3.2I20111114_2332_rsalaiz</version>
    <isDefault>>false</isDefault>
  </scriptbundle>
</scriptbundles>
```

Example JSON Output

```
{
  "scriptbundles":{
    "@uri":"/api/juniper/servicenow/scriptbundle-management/scriptbundles/",
    "@size":"2",
    "scriptbundle":[
      {
        "@key":"295312",

        "@uri":"/api/juniper/servicenow/scriptbundle-management/scriptbundles/295312",
        "name":"jais-3.2R1.2-signed.tgz",
        "receivetime":"2012-01-19 04:58:04.0",
        "version":"3.2R1.2",
        "isdefault":"false"
      },
      {
        "@key":"851968",

        "@uri":"/api/juniper/servicenow/scriptbundle-management/scriptbundles/851968",
        "name":"jais-3.2I20111114_2332_rsalaiz-signed.tgz",
        "receivetime":"2012-01-19 04:58:04.0",
        "version":"3.2I20111114_2332_rsalaiz",
        "isdefault":"false"
      }
    ]
  }
}
```

Related Documentation

- [Script Bundle Management REST API Overview on page 9](#)
- [Get Script Bundle Info by Bundle ID on page 12](#)
- [Get All Events In A Script Bundle on page 14](#)
- [Create an Event Profile on page 17](#)

Get Script Bundle Info by Bundle ID

The Get Script Bundle Info by Bundle ID operation returns a specific script bundle and all its events.

URI

`https://[host]/api/juniper/servicenow/ scriptbundle-management/scriptbundles/{id}`
(HTTP method = GET)

URI Parameters

ID	Unique key identifier of the script bundle to retrieve information from.
----	--

Produces

- `vnd.juniper.servicenow.scriptbundle-management.scriptbundles+xml;version=1;`
- `vnd.juniper.servicenow.scriptbundle-management.scriptbundles+json;version=1;`

Response

Element	Description
name	Name of script bundle.
receiveTime	Date and time AI-Script was installed.
version	AI-Script package version.
event ID	AI-Script event unique identifier.
category	AI-Script event category.
type	Type of event that triggers the script. Types include: <ul style="list-style-type: none">• Software failure• Hardware failure• Resource exhaustion
subtype	Detailed description for the type of event that triggers the script. For example, file system error, communication error, socket failure, excessive memory utilization, database failure, session error, memory allocation error, initialization error, process error, and so on.
priority	Priority level of the event script. Values are: <ul style="list-style-type: none">• Critical• High• Medium• Low

Element	Description
briefdescription	A terse description of the event.
eventdescription	A detailed description of the event.

Response Status Code

Message	Description
404 Not Found	Invalid script bundle ID

Output

Example XML Output

```
<scriptbundle>
  <name>jais-3.2R1.2-signed.tgz</name>
  <receiveTime>2012-01-19 04:58:04.0</receiveTime>
  <version>3.2R1.2</version>
  <isDefault>>false</isDefault>
  <bundleEvents
    uri="/api/juniper/servicenow/scriptbundle-management/scriptbundles/295312/bundleEvents">

    <event>
      <eventId>0</eventId>
      <category>ACCT</category>
      <type>Software Failure</type>
      <subType>Communication Error</subType>
      <priority>MED</priority>
      <briefDescription>ACCT_XFER_POPEN_FAIL</briefDescription>
      <eventDescription>A call to the popen() function failed when the accounting
statistics process invoked the indicated command to transfer the indicated
file.</eventDescription>
    </event>
    <event>
      <eventId>0</eventId>
      <category>ALARMD</category>
      <type>Software Failure</type>
      <subType>Initialization failure</subType>
      <priority>HIGH</priority>
      <briefDescription>CONNECTION_CHASSISD_FAIL</briefDescription>
      <eventDescription>The alarm process (alarmd) was unable to connect to the
chassis process (chassisd).</eventDescription>
    </event>
    .....
  </bundleEvents>
</scriptbundle>
```

Example XML Output

```
{
  "scriptbundle":{
    "name":"jais-3.2R1.2-signed.tgz",
    "receivetime":"2012-01-19 04:58:04.0",
    "version":"3.2R1.2",
    "isdefault":"false",
```

```

    "bundleevents":{
      "@uri":"/api/juniper/servicenow/scriptbundle-management/scriptbundles/295312/bundleEvents",
      "event":[
        {
          "eventid":"0",
          "category":"ACCT",
          "type":"Software Failure",
          "subtype":"Communication Error",
          "priority":"MED",
          "briefdescription":"ACCT_XFER_POPEN_FAIL",
          "eventdescription":"A call to the popen() function failed when the accounting
statistics process invoked the indicated command to transfer the indicated file. "
        },
        {
          "eventid":"0",
          "category":"ALARMD",
          "type":"Software Failure",
          "subtype":"Initialization failure",
          "priority":"HIGH",
          "briefdescription":"CONNECTION_CHASSISD_FAIL",
          "eventdescription":"The alarm process (alarmd) was unable to connect to the
chassis process (chassisd). "
        }
      ]
    }
  }
}

```

Related Documentation

- [Script Bundle Management REST API Overview on page 9](#)
- [Get All Script Bundles on page 10](#)
- [Get All Events In A Script Bundle on page 14](#)
- [Create an Event Profile on page 17](#)

Get All Events In A Script Bundle

The Get All Events in a Script Bundle operation returns the events of a script bundle loaded on a device. Unlike the Get Script Bundle Info by Bundle ID operation, the Get All Events in a Script Bundle does not return the script bundle itself.

URI

[https://\[host\]/api/juniper/servicenow/scriptbundle-management/scriptbundles/{id}/bundleEvents](https://[host]/api/juniper/servicenow/scriptbundle-management/scriptbundles/{id}/bundleEvents)
(HTTP method = GET)

URI Parameters

ID	Unique key identifier of the script bundle to retrieve events from.
----	---

Consumes

- vnd.juniper.servicenow.scriptbundle-management.bundleevents+json;version=1; charset=UTF-8
- vnd.juniper.servicenow.scriptbundle-management.bundleevents+xml;version=1; charset=UTF-8

Response

Element	Description
event ID	AI-Script event unique identifier.
category	AI-Script event category.
type	Type of event that triggers the script. Types include: <ul style="list-style-type: none"> • Software failure • Hardware failure • Resource exhaustion
subtype	Detailed description for the type of event that triggers the script. For example, file system error, communication error, socket failure, excessive memory utilization, database failure, session error, memory allocation error, initialization error, process error, and so on.
priority	Priority level of the event script. Values are: <ul style="list-style-type: none"> • Critical • High • Medium • Low
briefdescription	A terse description of the event.
eventdescription	A detailed description of the event.

Response Status Code

Message	Description
500 Internal Server Error	No event is available in the script bundle

Output**Example XML Output**

```
<bundleevents size="398"
uri="/api/juniper/servicenow/scriptbundle-management/scriptbundles/295312/bundleevents">

  <event>
    <id>294914</id>
    <category>ACCT</category>
    <type>Software Failure</type>
```

```

        <subType>Communication Error</subType>
        <priority>MED</priority>
        <briefDescription>ACCT_XFER_POPEN_FAIL</briefDescription>
        <eventDescription>A call to the popen() function failed when the accounting
statistics process invoked the indicated command to transfer the indicated
file.</eventDescription>
    </event>
    <event>
        <id>295021</id>
        <category>ALARMD</category>
        <type>Software Failure</type>
        <subType>Initialization failure</subType>
        <priority>HIGH</priority>
        <briefDescription>CONNECTION_CHASSISD_FAIL</briefDescription>
        <eventDescription>The alarm process (alarmd) was unable to connect to the
chassis process (chassisd).</eventDescription>
    </event>
    ....
</bundleevents>

```

Example JSON Output

```

{
  "bundleevents":{
    "@size":"398",

"@uri":"/api/juniper/servicenow/scriptbundle-management/scriptbundles/295312/bundleevents",

    "event":[
      {
        "id":"294914",
        "category":"ACCT",
        "type":"Software Failure",
        "subtype":"Communication Error",
        "priority":"MED",
        "briefdescription":"ACCT_XFER_POPEN_FAIL",
        "eventdescription":"A call to the popen() function failed when the accounting
statistics process invoked the indicated command to transfer the indicated file. "
      },
      {
        "id":"295021",
        "category":"ALARMD",
        "type":"Software Failure",
        "subtype":"Initialization failure",
        "priority":"HIGH",
        "briefdescription":"CONNECTION_CHASSISD_FAIL",
        "eventdescription":"The alarm process (alarmd) was unable to connect to the
chassis process (chassisd). "
      }
    ]
  }
}

```

Related Documentation

- [Script Bundle Management REST API Overview on page 9](#)
- [Get All Script Bundles on page 10](#)

- [Get Script Bundle Info by Bundle ID on page 12](#)
- [Create an Event Profile on page 17](#)

Create an Event Profile

An event profile is a set of event scripts selected from an AI-Script bundle. Using event profiles, you can specify the event scripts that you want to install on Service Now devices. The Create an Event Profile operation creates this event profile.

URI

`https://[host]/api/juniper/servicenow/autosubmit-policy-management/autosubmitpolicies/{id}/createEventProfile`
(HTTP method = POST)

URI Parameters

Parameter	Description
id	Service bundle unique key ID.

Example XML Input

```
<createeventprofile>
  <profileName> testProfile </profileName>
  <profileDescription> testProfile </profileDescription>
  <events>
    <event>
      <id>95608</id>
      <priority>Low</priority>
    </event>
  </events>
</createeventprofile>
```

Example JSON Input

```
{
  "createeventprofile":{
    "profilename": "testProfile",
    "profiledescription":"testProfile",
    "events":{
      "event":{
        "id":95608,
        "priority":"Low"
      }
    }
  }
}
```

Produces

- `vnd.juniper.servicenow.scriptbundle-management.createeventprofile+xml;version=1;charset=UTF-8`
- `vnd.juniper.servicenow.scriptbundle-management.createeventprofile+json;version=1;charset=UTF-8`

Response Status Code

Message	Description
500 Internal Server Error	Profile Name is already in Use
400 Bad Request	Profile does not contain any valid events
404 Not Found	Invalid Script Bundle ID

Output**Example XML Output**

```
<servicenowmsg>
  <status>
    <desc>Event profile created successfully</desc>
    <keys>
      <key>98306</key>
    </keys>
  </status>
</servicenowmsg>
```

Example JSON Output

```
{
  "servicenowmsg":{
    "status":{
      "desc":"Event profile created successfully",
      "keys":{
        "key":98306
      }
    }
  }
}
```

Related Documentation

- [Script Bundle Management REST API Overview on page 9](#)
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CHAPTER 3

Service Insight REST APIs

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Service Insight Overview

Service Insight helps in accelerating operational analysis and managing the exposure to known issues. Using Service Insight, you can identify devices that are nearing their End Of Life (EOL) and also discover and prevent issues that could occur in your network.

Service Insight provides Proactive Bug Notifications (PBNs) as a proactive measure to alert you about known issues that can impact the devices in your network. It is an effective means of communicating the information collected while helping one customer fix issues to another customer who could face similar issues in future.

Service Insight Exposure Analyzer REST API

The **/api/juniper/serviceinsight/ExposureAnalyzer** resource is available under [https://\[host\]/api/juniper/serviceinsight](https://[host]/api/juniper/serviceinsight).

URI

[https://\[host\]/api/juniper/serviceinsight/exposureanalyzer](https://[host]/api/juniper/serviceinsight/exposureanalyzer) (HTTP method = GET)

Produces

- `vnd.juniper.serviceinsight.exposureanalyzer +json;version=1`
- `vnd.juniper.serviceinsight.exposureanalyzer +xml;version=1`

Output

Example XML Output

```
<exposureanalyzer>
  <collection href="/api/juniper/serviceinsight/exposureanalyzer/sidevices"
rel="sidevices"/>
  <method href="/api/juniper/serviceinsight/exposureanalyzer/generateeolreport"
rel="generateeolreport"/>
</exposureanalyzer>
```

Example JSON Output

```
exposureanalyzer:{
  collection:{
    href:'/api/juniper/serviceinsight/exposureanalyzer/sidevices',
    rel:'sidevices'
  },
  method:{
    href:'/api/juniper/serviceinsight/exposureanalyzer/generateeolreport',
    rel:'generateeolreport'
  }
}
```

Service Insight EOL Reports REST API

The **/api/juniper/serviceinsight/eolreport** resource is available under [https://\[host\]/api/juniper/serviceinsight](https://[host]/api/juniper/serviceinsight). With this resource, you can view, export and delete EOL reports.

URI

[https://\[host\]/api/juniper/serviceinsight/eolreport-management](https://[host]/api/juniper/serviceinsight/eolreport-management) (HTTP method = GET)

Produces

- application/vnd.juniper.serviceinsight.eolreport" + "+xml;version=1
- application/vnd.juniper.serviceinsight.eolreport" + "+json;version=1

Output

Example XML Output

```
<eolreport>
  <collection href="/api/juniper/serviceinsight/eolreport/eolreports" rel="eolreports"/>
</eolreport>
```

Example JSON Output

```
eolreport:{
  collection:{
    href:'/api/juniper/serviceinsight/eolreport/eolreports',
    rel:'eolreports'
  }
}
```

Related Documentation

- [Get All Devices In Service Insight on page 21](#)
- [Get Device Information by Device ID in Service Insight on page 23](#)
- [Generate EOL Report on page 25](#)
- [Get All EOL Reports on page 27](#)
- [Export EOL Report on page 28](#)

- [Delete EOL Report on page 29](#)
- [Get EOL Report By ID on page 30](#)

Get All Devices In Service Insight

The Get All Devices in Service Insight operation returns all devices, including attributes, that are available for EOL reports, notifications and so forth.

URI

`https://[host]/api/juniper/serviceinsight/exposureanalyzer/sidevices` (HTTP method = GET)

URI Parameters

None.

Produces

- `vnd.juniper.serviceinsight.exposureanalyzer.devices+xml;version=1`
- `vnd.juniper.serviceinsight.exposureanalyzer.devices+json;version=1`

Response

Element	Description
key	Unique key to identify the device.
hostname	Device hostname.
ipAddress	Device IP address.
serialNumber	Device serial number.
eolStatus	Indicates whether EOL data is available or not. EOL data is not available unless there has been an EOL bulletin.
lastUpdated	Date and time the device information was last updated.
productName	Device product name, such as SRX 650.
deviceGroup	Device group name to which this device is associated.
EOLParts	Number of parts in this device that has reached EOL status.
connectedMember	if an end-customer device, this is the connected member name to which this device is associated.
matchingPBNs	Number of Proactive Bug Notifications (PBNs) associated with this device.

Element	Description
connectionStatus	Indicates whether this device is power on or off.
criticalPBNs	Number of PBNs with a severity of Critical.
majorPBNs	Number of PBNs with a severity of Major.

Response Status Code

Message	Description
204 No Content	No devices are available.

Output

Example XML Output

```
<devices uri="/api/juniper/serviceinsight/exposureanalyzer/sidevices" size="1">
  <device key="196609"
    uri="/api/juniper/serviceinsight/exposureanalyzer/sidevices/196609"
    href="/api/juniper/serviceinsight/exposureanalyzer/sidevices/196609">
    <hostName>elmo</hostName>
    <ipAddress>10.204.92.47</ipAddress>
    <serialNumber>J1213</serialNumber>
    <eolStatus>EOL Data available</eolStatus>
    <lastUpdated>2012-03-07 23:00:51.0</lastUpdated>
    <productName>M7I</productName>
    <deviceGroup>testDeviceGroup</deviceGroup>
    <EOLParts>3</EOLParts>
    <connectedMember></connectedMember>
    <matchingPBNs>4</matchingPBNs>
    <connectionStatus>up</connectionStatus>
    <criticalPBNs>0</criticalPBNs>
    <majorPBNs>0</majorPBNs>
  </device>
</devices>
```

Example JSON Output

```
devices:{
  uri:'/api/juniper/serviceinsight/exposureanalyzer/sidevices',
  size:1,
  device:{
    key:196609,
    uri:'/api/juniper/serviceinsight/exposureanalyzer/sidevices/196609',
    href:'/api/juniper/serviceinsight/exposureanalyzer/sidevices/196609',
    hostname:'elmo',
    ipaddress:'10.204.92.47',
    serialnumber:'J1213',
    eolstatus:'EOL Data available',
    lastupdated:'2012-03-07 23:00:51.0',
    productname:'M7I',
    devicegroup:'testDeviceGroup',
    eolparts:3,
    connectedmember:{
    },
  },
}
```

```

        matchingpbns:4,
        connectionstatus:'up',
        criticalpbns:0,
        majorpbns:0
    }
}

```

Related Documentation

- [Script Bundle Management REST API Overview on page 9](#)
- [Get Device Information by Device ID in Service Insight on page 23](#)
- [Generate EOL Report on page 25](#)
- [Get All EOL Reports on page 27](#)
- [Export EOL Report on page 28](#)
- [Delete EOL Report on page 29](#)
- [Get EOL Report By ID on page 30](#)

Get Device Information by Device ID in Service Insight

The Device Information by Device ID in Service Insight operation returns a specific device from Service Insight.

URI

`https://[host]/api/juniper/serviceinsight/ExposureAnalyzer/sidevices/{id}` (HTTP method = GET)

URI Parameters

Parameter	Description
id	Unique identifier of the device that you want information from.

Produces

- `vnd.juniper.serviceinsight.exposureanalyzer.device+xml;version=1`
- `vnd.juniper.serviceinsight.exposureanalyzer.device+json;version=1`

Response

Element	Description
key	Unique key to identify the device.
hostname	Device hostname.
ipAddress	Device IP address.
serialNumber	Device serial number.

Element	Description
eolStatus	Indicates whether EOL data is available or not. EOL data is not available unless there has been an EOL bulletin.
lastUpdated	Date and time the device information was last updated.
productName	Device product name, such as SRX 650.
deviceGroup	Device group name to which this device is associated.
EOLParts	Number of parts in this device that has reached EOL status.
connectedMember	If an end-customer device, this is the connected member name to which this device is associated.
matchingPBNs	Number of Proactive Bug Notifications (PBNs) associated with this device.
connectionStatus	Indicates whether this device is power on or off.
criticalPBNs	Number of PBNs with a severity of Critical.
majorPBNs	Number of PBNs with a severity of Major.

Response Status Code

Message	Description
204 No Content	Invalid device ID.

Output

Example XML Output

```
<device uri="/api/juniper/serviceinsight/exposureanalyzer/sidevices/196609">
  <hostName>elmo</hostName>
  <id>196609</id>
  <ipAddress>10.204.92.47</ipAddress>
  <serialNumber>J1213</serialNumber>
  <eolStatus>EOL Data available</eolStatus>
  <lastUpdated>2012-03-07 23:00:51.0</lastUpdated>
  <productName>M7I</productName>
  <organization
href="/api/juniper/servicenow/organization-management/organization/99508">
    <id>99508</id>
    <name>testOrg</name>
  </organization>
  <deviceGroup
href="/api/juniper/servicenow/device-group-management/deviceGroup/99509">
    <id>99509</id>
    <name>testDeviceGroup</name>
  </deviceGroup>
  <EOLParts>3</EOLParts>
```

```

<connectedMember></connectedMember>
<matchingPBNS>4</matchingPBNS>
<connectionStatus>up</connectionStatus>
<criticalPBNS>0</criticalPBNS>
<majorPBNS>0</majorPBNS>
</device>

```

Example JSON Output

```

device:{
  uri:'/api/juniper/serviceinsight/exposureanalyzer/sidevices/196609',
  hostname:'elmo',
  id:196609,
  ipaddress:'10.204.92.47',
  serialnumber:'J1213',
  eolstatus:'EOL Data available',
  lastupdated:'2012-03-07 23:00:51.0',
  productname:'M7I',
  organization:{
    href:'/api/juniper/servicenow/organization-management/organization/99508',
    id:99508,
    name:'testOrg'
  },
  devicegroup:{
    href:'/api/juniper/servicenow/device-group-management/deviceGroup/99509',
    id:99509,
    name:'testDeviceGroup'
  },
  eolparts:3,
  connectedmember:{
  },
  matchingpbns:4,
  connectionstatus:'up',
  criticalpbns:0,
  majorpbns:0
}

```

Related Documentation

- [Script Bundle Management REST API Overview on page 9](#)
- [Get All Devices In Service Insight on page 21](#)
- [Generate EOL Report on page 25](#)
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- [Delete EOL Report on page 29](#)
- [Get EOL Report By ID on page 30](#)

Generate EOL Report

Devices with End Of Life (EOL) information are identified and displayed on the Exposure Analyzer page. Using the Generate EOL Report operation, you can generate EOL reports which show the number of devices with End Of Life announce parts, Last Order Dates

parts, End of HW Engineering parts, End of SW Engineering parts, and the End Of Support parts for the devices that you select. EOL reports are generated in the Excel format.

URI

`https://[host]/api/juniper/serviceinsight/exposureanalyzer/generateeolreport?queue=http://[host]/api/horner-q/queues/jms.queue.[QueueName]` (HTTP method = POST)

URI Parameters

eolreportname	User defined name for report. The report name is displayed at the top of the generated EOL report. The EOL report name can contain only alphanumeric characters and must be less than 64 characters in length.
device	(optional) Device name you for which the EOL report is to be generated. You can specify multiple device. If you do not specify this parameter, the EOL report is generated for all available service insight device.
emails	(optional) A list of comma-separated email addresses. Emails are sent to these addresses once the EOL report is generated.

```
<eolreport>
<eolreportname>NewSDKReport</eolreportname>
<devices>
<device href="/api/juniper/serviceinsight/exposureanalysis/sidevices/196609">
</device>
</devices>
<emails>cmohan@myaddress.com</emails>
</eolreport>
```

Consumes

- `vnd.juniper.serviceinsight.exposureanalyzer.generateeolreport+xml;version=1";charset=UTF-8"`
- `vnd.juniper.serviceinsight.exposureanalyzer.generateeolreport+json;version=1";charset=UTF-8"`

Response

This API returns the URL of the created job. Open the URL to view the status of the job.

Response Status Code

Message	Description
Name must begin with a letter and should have only alphanumeric (a-z0-9) characters.	EOL report name contains non-alphanumeric characters. Remove the non-alphanumeric characters.
EOL Report name exceeds maximum character length (64).	EOL report name is longer than 64 characters. Shorten the report name to less than 64 characters.

Message	Description
Invalid email ID	The email address is invalid. Check the email address to make sure it uses the correct syntax.

Output**Example XML Output**

```
<task href="/api/space/job-management/jobs/524292"><id>524292</id></task>
```

Example JSON Output

```
task:{
  href:'/api/space/job-management/jobs/524292',
  id:524292
}
```

Related Documentation

- [Script Bundle Management REST API Overview on page 9](#)
- [Get All Devices In Service Insight on page 21](#)
- [Get Device Information by Device ID in Service Insight on page 23](#)
- [Get All EOL Reports on page 27](#)
- [Export EOL Report on page 28](#)
- [Delete EOL Report on page 29](#)
- [Get EOL Report By ID on page 30](#)

Get All EOL Reports

The Get All EOL Reports operation returns all available EOL reports from Service Insight.

URI

`https://[host]/api/juniper/serviceinsight/eolreport-management /eolreports` (HTTP method = GET)

URI Parameters

None.

Produces

- `vnd.juniper.serviceinsight.eolreport.eolreports+xml;version=1`
- `vnd.juniper.serviceinsight.eolreport.eolreports+json;version=1`

Response

Element	Description
reportCreator	Username of the person who created the report.
deviceList	Devices for which the report is generated.

Element	Description
mailStatus	Indicates whether mail has been sent.
reportName	User defined report name.

Response Status Code

Message	Description
204 No Content	No reports are available.

Output**Example XML Output**

```
<eolreports uri="/api/juniper/serviceinsight/eolreport-management/eolreports" size="1">
<eolreport uri="/api/juniper/serviceinsight/eolreport-management/eolreports/753665">
<reportCreator>super</reportCreator>
<deviceList>elmo,re1-sur01.mx960.77.49</deviceList>
<mailStatus>Mail not sent. SMTP server not configured for Service Insight</mailStatus>
<reportName>SDKReport1</reportName>
</eolreport>
</eolreports>
```

Example JSON Output

```
eolreports:{
  uri:'/api/juniper/serviceinsight/eolreport-management/eolreports',
  size:1,
  eolreport:{
    uri:'/api/juniper/serviceinsight/eolreport-management/eolreports/753665',
    reportcreator:'super',
    devicelist:'elmo,re1-sur01.mx960.77.49',
    mailstatus:'Mail not sent. SMTP server not configured for Service Insight',
    reportname:'SDKReport1'
  }
}
```

Related Documentation

- [Script Bundle Management REST API Overview on page 9](#)
- [Get All Devices In Service Insight on page 21](#)
- [Get Device Information by Device ID in Service Insight on page 23](#)
- [Generate EOL Report on page 25](#)
- [Export EOL Report on page 28](#)
- [Delete EOL Report on page 29](#)
- [Get EOL Report By ID on page 30](#)

Export EOL Report

The Export EOL Report operation exports a specific EOL report from Service Insight and saves it on your local file system in an Excel format. When you export EOL reports, you

can view information such as the device EOL announce date, End Of Engineering SW date, End Of Engineering HW date, End Of Service date, top-level assembly parts, circuit assembly parts, PSN numbers, EOL model numbers, and replacement numbers.

URI

`https://[host]/api/juniper/serviceinsight/eolreport-management/eolreports/{id}/export`
(HTTP method = GET)

URI Parameters

id	ID of the report to export.
----	-----------------------------

Produces

- `vnd.juniper.serviceinsight.eolreport.eolreports+xml;version=1`
- `vnd.juniper.serviceinsight.eolreport.eolreports+json;version=1`

Response Status Code

Message	Description
204 No Content	No reports are available the specified ID or the ID is invalid.

Related Documentation

- [Script Bundle Management REST API Overview on page 9](#)
- [Get All Devices In Service Insight on page 21](#)
- [Get Device Information by Device ID in Service Insight on page 23](#)
- [Generate EOL Report on page 25](#)
- [Get All EOL Reports on page 27](#)
- [Delete EOL Report on page 29](#)
- [Get EOL Report By ID on page 30](#)

Delete EOL Report

The Delete EOL Report operation deletes the specified EOL report from Service Insight.

URI

`https://[host]/api/juniper/serviceinsight/eolreport-management/eolreports/{id}` (HTTP method = DELETE)

URI Parameters

id	ID of the report to delete.
----	-----------------------------

Produces

- vnd.juniper.serviceinsight.eolreport.eolreports+xml;version=1
- vnd.juniper.serviceinsight.eolreport.eolreports+json;version=1

Response Status Code

Message	Description
204 No Content	No reports are available the specified ID or the ID is invalid.

Related Documentation

- [Script Bundle Management REST API Overview on page 9](#)
- [Get All Devices In Service Insight on page 21](#)
- [Get Device Information by Device ID in Service Insight on page 23](#)
- [Generate EOL Report on page 25](#)
- [Get All EOL Reports on page 27](#)
- [Export EOL Report on page 28](#)
- [Get EOL Report By ID on page 30](#)

Get EOL Report By ID

Devices with End Of Life (EOL) information are identified and displayed on the Exposure Analyzer page. Using Service Insight, you can generate EOL reports for these devices in an Excel file. EOL reports provide information such as the device number of devices with EOL parts, EOL announce date, number of EOL announce parts, End Of Engineering SW date, number of End Of Engineering SW parts, End Of Engineering HW date, number of End Of Engineering HW parts, End Of Support date, number of End Of Support parts, top-level assembly parts, circuit assembly parts, PSN numbers, and replacement numbers.

The Get EOL Report by ID operation retrieves the specified EOL report from Service Insight.

URI

https://[host]/api/juniper/serviceinsight/eolreport-management/eolreports/{id} (HTTP method = GET)

URI Parameters

id	ID of the report to retrieve.
----	-------------------------------

Produces

- application/vnd.juniper.serviceinsight.eolreport-management.eolreport+xml;version=2
- application/vnd.juniper.serviceinsight.eolreport-management.eolreport+json;version=2

Output

Example XML Output

```
<eolreport uri="/api/juniper/serviceinsight/eolreport-management/eolreports/1769473">
  <reportCreator>super</reportCreator>
  <deviceList>
    MX80-SN-3,re1-sur01.mx960.77.49,ghulam,tsf-a,xabi,raman,nmft2-mx,banaswadi,
    chelsea,betta,ektara,jotter
  </deviceList>
  <mailStatus>Email successfully sent</mailStatus>
  <id>1769473</id>
  <reportName>EOL</reportName>
</eolreport>
```

Example JSON Output

```
eolreport: {
  @uri: '/api/juniper/serviceinsight/eolreport-management/eolreports/1769473',
  reportCreator: 'super',
  deviceList: 'MX80-SN-3,re1-sur01.mx960.77.49,ghulam,tsf-a,xabi,raman,nmft2-mx,
  banaswadi,chelsea,betta,ektara,jotter',
  mailStatus: 'Email successfully sent',
  id: '1769473',
  reportName: 'EOL'
}
```

**Related
Documentation**

- [Script Bundle Management REST API Overview on page 9](#)
- [Get All Devices In Service Insight on page 21](#)
- [Get Device Information by Device ID in Service Insight on page 23](#)
- [Generate EOL Report on page 25](#)
- [Get All EOL Reports on page 27](#)
- [Export EOL Report on page 28](#)

CHAPTER 4

Device Management REST APIs

- [Device Management REST API Overview on page 33](#)
- [Get All the Devices in Service Now on page 36](#)
- [Get Device Information According To Device ID on page 41](#)
- [Export All Devices on page 45](#)
- [Export Device Inventory on page 47](#)
- [Add Device to Service Now on page 48](#)
- [Create Device Group on page 51](#)
- [Associate A Device To A Device Group on page 54](#)
- [Create On Demand Incident on page 56](#)
- [Get All Device Groups on page 59](#)
- [Get Device Group By ID on page 61](#)
- [Associate Device to a Device Group on page 63](#)
- [Delete Device Group on page 66](#)
- [Associate Devices to Address Group on page 67](#)
- [Install Event Profile on page 70](#)
- [Uninstall Event Profiles on page 72](#)

Device Management REST API Overview

Device Management REST API

The **/api/juniper/servicenow/device-management** resource is available under [https://\[host\]/api/juniper/servicenow](https://[host]/api/juniper/servicenow).

URI

[https://\[host\]/api/juniper/servicenow/device-management](https://[host]/api/juniper/servicenow/device-management) (HTTP method = GET)

Produces

- `vnd.juniper.servicenow.device-management+xml;version=1`
- `vnd.juniper.servicenow.device-management+json;version=1`

Output

Example XML Output

```
<servicenow-device-management>
  <collection href="/api/juniper/servicenow/device-management/devices"
rel="devices"/>
  <method href="/api/juniper/servicenow/device-management/devices/exportDevice"
rel="Export devices in excel or CSV format"/>
  <method href="/api/juniper/servicenow/device-management/devices/devicesToAdd"
rel="Get devices to be added in Service Now"/>
  <method href="/api/juniper/servicenow/device-management/devices/add" rel="Add
devices in Service Now"/>
  <method
href="/api/juniper/servicenow/device-management/devices/exportDeviceInventory"
rel="Export device inventory in excel or CSV format"/>
  <method
href="/api/juniper/servicenow/device-management/devices/createOnDemandIncident"
rel="Create On-Demand Incident"/>
  <method
href="/api/juniper/servicenow/device-management/devices/associateAddressGroup"
rel="Associate Devices to Address Group"/>
</servicenow-device-management>
```

Example JSON Output

```
{
  "servicenow-device-management": {
    "collection": {
      "@href": "/api/juniper/servicenow/device-management/devices",
      "@rel": "devices"
    },
    "method": [
      {
        "@href": "/api/juniper/servicenow/device-management/devices/exportDevice",
        "@rel": "Export devices in excel or CSV format"
      },
      {
        "@href": "/api/juniper/servicenow/device-management/devices/devicesToAdd",
        "@rel": "Get devices to be added in Service Now"
      },
      {
        "@href": "/api/juniper/servicenow/device-management/devices/add",
        "@rel": "Add devices in Service Now"
      },
      {
        "@href":
"/api/juniper/servicenow/device-management/devices/exportDeviceInventory",
        "@rel": "Export device inventory in excel or CSV format"
      },
      {
        "@href":
"/api/juniper/servicenow/device-management/devices/createOnDemandIncident",
        "@rel": "Create On-Demand Incident"
      },
      {
        "@href":
"/api/juniper/servicenow/device-management/devices/associateAddressGroup",
        "@rel": "Associate Devices to Address Group"
      }
    ]
  }
}
```



```
    ]
  }
}
```

Device Group Management REST API

Device groups are used to group devices within an organization. By associating an organization with one or more device groups, you can maintain groups of devices with similar attributes or uses. One or more devices can be associated to every device group.

The `/api/juniper/servicenow/device-group-management/device-group` resource is available under `https://[host]/api/juniper/servicenow/device-group-management`.

URI

Produces

- `vnd.juniper.servicenow.device-group-management+xml;version=1`
- `vnd.juniper.servicenow.device-group-management+json;version=1`

Example XML Output

```
<servicenow-device-group-management>
  <collection href="/api/juniper/servicenow/device-group-management/deviceGroup"
    rel="device-groups"/>
</servicenow-device-group-management>
```

Example JSON Output

```
Servicenow-devicegroup-management:{
  collection:{
    href:'/api/juniper/servicenow/device-group-management/deviceGroup',
    rel:'device-groups'
  }
}
```

Related Documentation

- [Get All the Devices in Service Now on page 36](#)
- [Get Device Information According To Device ID on page 41](#)
- [Export All Devices on page 45](#)
- [Export Device Inventory on page 47](#)
- [Add Device to Service Now on page 48](#)
- [Create Device Group on page 51](#)
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- [Get All Device Groups on page 59](#)
- [Get Device Group By ID on page 61](#)
- [Associate Device to a Device Group on page 63](#)

- [Delete Device Group on page 66](#)
- [Install Event Profile on page 70](#)
- [Uninstall Event Profiles on page 72](#)

Get All the Devices in Service Now

Use the Get All the Devices in Service Now operation to retrieve all devices in Service Now.

URI

`https://[host]/api/juniper/servicenow/device-management/devices` (HTTP method = GET)

Produces

- `vnd.juniper.servicenow.device-management.devices+xml;version=3`
- `vnd.juniper.servicenow.device-management.devices+json;version=3`

Response

Element	Description
hostName	Hostname of the device.
serialNumber	Serial number of the device.
productName	Device product name, such as SRX 650.
softwareRelease	Version of software installed on this device.
scriptBundle	Name of the script bundle installed on the device
connectedMemberName	Name of the End Customer. This appears only when Service Now is in Proxy Mode.
osPlatform	Operating system of the device, such as junos.
shipToAddress	Name of the ship-to address. For example, the company name.
endCustomerAddress	End-customer address group name.
ipAddr	IP address of the device.
organizationName	Name of the organization to which the device is associated.
deviceGroupName	Name of the device group to which the device is associated.

Element	Description
location	Associated address location, such as a ship-to address.

Response Status Code

Message	Description
204 No Content	No devices found.

Output

Example XML Output

```
<devices size="7" uri="/api/juniper/servicenow/device-management/devices">
  <device key="1671168"
uri="/api/juniper/servicenow/device-management/devices/1671168"
href="/api/juniper/servicenow/device-management/devices/1671168">
    <hostName>MX80-Loopback</hostName>
    <serialNumber>D4358</serialNumber>
    <product>MX80-48T</product>
    <softwareRelease>11.3R3.1</softwareRelease>
    <scriptBundle>Unavailable</scriptBundle>
    <connectedMemberName>VijaySystem</connectedMemberName>
    <osPlatform>junos</osPlatform>
    <endCustomerAddress>ECAddressGroup1</endCustomerAddress>
    <ipAddr>10.205.50.197</ipAddr>
    <organizationName>org1</organizationName>
    <deviceGroupName>DG1</deviceGroupName>
  </device>
  <device key="1671181"
uri="/api/juniper/servicenow/device-management/devices/1671181"
href="/api/juniper/servicenow/device-management/devices/1671181">
    <hostName>MX80-SN-3</hostName>
    <serialNumber>E4000</serialNumber>
    <product>MX80-48T</product>
    <softwareRelease>10.4R8.5</softwareRelease>
    <scriptBundle>Unavailable</scriptBundle>
    <connectedMemberName>VijaySystem</connectedMemberName>
    <osPlatform>junos</osPlatform>
    <location>Juniper Networks</location>
    <endCustomerAddress>ECAddressGroup1</endCustomerAddress>
    <ipAddr>10.205.50.195</ipAddr>
    <organizationName>org1</organizationName>
    <deviceGroupName>DG1</deviceGroupName>
  </device>
  <device key="1671197"
uri="/api/juniper/servicenow/device-management/devices/1671197"
href="/api/juniper/servicenow/device-management/devices/1671197">
    <hostName>ex-4200.50.182</hostName>
    <serialNumber>BM0210435487</serialNumber>
    <product>EX4200-24T</product>
    <softwareRelease>10.0R4.7</softwareRelease>
    <scriptBundle>Unavailable</scriptBundle>
    <connectedMemberName>VijaySystem</connectedMemberName>
    <osPlatform>junos-ex</osPlatform>
```

```
<endCustomerAddress>ECAddressGroup</endCustomerAddress>
<ipAddr>10.205.50.182</ipAddr>
<organizationName>org1</organizationName>
<deviceGroupName>DG1</deviceGroupName>
</device>
<device key="1671208"
uri="/api/juniper/servicenow/device-management/devices/1671208"
href="/api/juniper/servicenow/device-management/devices/1671208">
  <hostName>EX4200.24T.180</hostName>
  <serialNumber>BM0210435717</serialNumber>
  <product>EX4200-24T</product>
  <softwareRelease>10.4R9.2</softwareRelease>
  <scriptBundle>Unavailable</scriptBundle>
  <connectedMemberName>VijaySystem</connectedMemberName>
  <osPlatform>junos-ex</osPlatform>
  <shipToAddress>Juniper Networks</shipToAddress>
  <endCustomerAddress>ECAddressGroup</endCustomerAddress>
  <ipAddr>10.205.50.180</ipAddr>
  <organizationName>org1</organizationName>
  <deviceGroupName>DG1</deviceGroupName>
</device>
<device key="1867778"
uri="/api/juniper/servicenow/device-management/devices/1867778"
href="/api/juniper/servicenow/device-management/devices/1867778">
  <hostName>srx650_191</hostName>
  <serialNumber>AJ4410AA0031</serialNumber>
  <product>SRX 650</product>
  <softwareRelease>11.1R5.4</softwareRelease>
  <scriptBundle>Unavailable</scriptBundle>
  <connectedMemberName>VijaySystem</connectedMemberName>
  <osPlatform>junos-es</osPlatform>
  <shipToAddress>Juniper Networks</shipToAddress>
  <endCustomerAddress>ECAddressGroup</endCustomerAddress>
  <ipAddr>10.205.50.191</ipAddr>
  <organizationName>org1</organizationName>
  <deviceGroupName>DG1</deviceGroupName>
</device>
<device key="9633793"
uri="/api/juniper/servicenow/device-management/devices/9633793"
href="/api/juniper/servicenow/device-management/devices/9633793">
  <hostName>luminosa</hostName>
  <serialNumber>JN11D60F1AFA</serialNumber>
  <product>MX960</product>
  <softwareRelease>12.1R3.5</softwareRelease>
  <osPlatform>junos</osPlatform>
  <deviceFamily>junos</deviceFamily>
  <shipToAddress>Juniper Networks</shipToAddress>
  <location>Juniper Networks</location>
  <ipAddr>10.209.6.172</ipAddr>
  <organizationName>org3</organizationName>
  <deviceGroupName>Default for org3</deviceGroupName>
</device>
<device key="9633794"
uri="/api/juniper/servicenow/device-management/devices/9633794"
href="/api/juniper/servicenow/device-management/devices/9633794">
  <hostName>SN-srx3600-1</hostName>
```

```

<serialNumber>AB3510AA0021</serialNumber>
<product>SRX3600</product>
<softwareRelease>12.1R1.9</softwareRelease>
<osPlatform>junos-es</osPlatform>
<deviceFamily>junos-es</deviceFamily>
<location>Juniper Networks</location>
<ipAddr>10.205.50.75</ipAddr>
<organizationName>org3</organizationName>
<deviceGroupName>Default for org3</deviceGroupName>
</device>
</devices>

```

Example JSON Output

```

{
  "devices": {
    "@size": "7",
    "@uri": "/api/juniper/servicenow/device-management/devices",
    "device": [
      {
        "@key": "1671168",
        "@uri": "/api/juniper/servicenow/device-management/devices/1671168",
        "@href": "/api/juniper/servicenow/device-management/devices/1671168",
        "hostName": "MX80-Loopback",
        "serialNumber": "D4358",
        "product": "MX80-48T",
        "softwareRelease": "11.3R3.1",
        "scriptBundle": "Unavailable",
        "connectedMemberName": "VijaySystem",
        "osPlatform": "junos",
        "endCustomerAddress": "ECAddressGroup1",
        "ipAddr": "10.205.50.197",
        "organizationName": "org1",
        "deviceGroupName": "DG1"
      },
      {
        "@key": "1671181",
        "@uri": "/api/juniper/servicenow/device-management/devices/1671181",
        "@href": "/api/juniper/servicenow/device-management/devices/1671181",
        "hostName": "MX80-SN-3",
        "serialNumber": "E4000",
        "product": "MX80-48T",
        "softwareRelease": "10.4R8.5",
        "scriptBundle": "Unavailable",
        "connectedMemberName": "VijaySystem",
        "osPlatform": "junos",
        "location": "Juniper Networks",
        "endCustomerAddress": "ECAddressGroup1",
        "ipAddr": "10.205.50.195",
        "organizationName": "org1",
        "deviceGroupName": "DG1"
      },
      {
        "@key": "1671197",
        "@uri": "/api/juniper/servicenow/device-management/devices/1671197",
        "@href": "/api/juniper/servicenow/device-management/devices/1671197",
        "hostName": "ex-4200.50.182",
        "serialNumber": "BM0210435487",

```

```
"product": "EX4200-24T",
"softwareRelease": "10.0R4.7",
"scriptBundle": "Unavailable",
"connectedMemberName": "VijaySystem",
"osPlatform": "junos-ex",
"endCustomerAddress": "ECAddressGroup",
"ipAddr": "10.205.50.182",
"organizationName": "org1",
"deviceGroupName": "DG1"
},
{
"@key": "1671208",
"@uri": "/api/juniper/servicenow/device-management/devices/1671208",
"@href": "/api/juniper/servicenow/device-management/devices/1671208",
"hostName": "EX4200.24T.180",
"serialNumber": "BM0210435717",
"product": "EX4200-24T",
"softwareRelease": "10.4R9.2",
"scriptBundle": "Unavailable",
"connectedMemberName": "VijaySystem",
"osPlatform": "junos-ex",
"shipToAddress": "Juniper Networks",
"endCustomerAddress": "ECAddressGroup",
"ipAddr": "10.205.50.180",
"organizationName": "org1",
"deviceGroupName": "DG1"
},
{
"@key": "1867778",
"@uri": "/api/juniper/servicenow/device-management/devices/1867778",
"@href": "/api/juniper/servicenow/device-management/devices/1867778",
"hostName": "srx650_191",
"serialNumber": "AJ4410AA0031",
"product": "SRX 650",
"softwareRelease": "11.1R5.4",
"scriptBundle": "Unavailable",
"connectedMemberName": "VijaySystem",
"osPlatform": "junos-es",
"shipToAddress": "Juniper Networks",
"endCustomerAddress": "ECAddressGroup",
"ipAddr": "10.205.50.191",
"organizationName": "org1",
"deviceGroupName": "DG1"
},
{
"@key": "9633793",
"@uri": "/api/juniper/servicenow/device-management/devices/9633793",
"@href": "/api/juniper/servicenow/device-management/devices/9633793",
"hostName": "luminosa",
"serialNumber": "JN11D60F1AFA",
"product": "MX960",
"softwareRelease": "12.1R3.5",
"osPlatform": "junos",
"deviceFamily": "junos",
"shipToAddress": "Juniper Networks",
"location": "Juniper Networks",
```

```

    "ipAddr": "10.209.6.172",
    "organizationName": "org3",
    "deviceGroupName": "Default for org3"
  },
  {
    "@key": "9633794",
    "@uri": "/api/juniper/servicenow/device-management/devices/9633794",
    "@href": "/api/juniper/servicenow/device-management/devices/9633794",
    "hostName": "SN-srx3600-1",
    "serialNumber": "AB3510AA0021",
    "product": "SRX3600",
    "softwareRelease": "12.1R1.9",
    "osPlatform": "junos-es",
    "deviceFamily": "junos-es",
    "location": "Juniper Networks",
    "ipAddr": "10.205.50.75",
    "organizationName": "org3",
    "deviceGroupName": "Default for org3"
  }
]
}
}

```

Related Documentation

- [Device Management REST API Overview on page 33](#)
- [Get Device Information According To Device ID on page 41](#)
- [Export All Devices on page 45](#)
- [Export Device Inventory on page 47](#)
- [Add Device to Service Now on page 48](#)
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Get Device Information According To Device ID

Use the Get Device Information According To Device ID operation to retrieve information about a specific device, such as its serial number, hostname, organization to which it is associated, and so forth.

URI

`https://[host]/api/juniper/servicenow/device-management/devices/{id}` (HTTP method = GET)

URI Parameters

Parameter	Description
id	Device unique identifier.

Produces

- `vnd.juniper.servicenow.device-management.device+xml;version=3`
- `vnd.juniper.servicenow.device-management.device+json;version=3`

Response

Element	Description
hostName	Hostname of the device.
serialNumber	Serial number of the device.
product	Device product name, such as SRX 650.
softwareRelease	Version of software installed on this device.
connectedMember	Name of the end-customer.
scriptBundle	Name of the script bundle installed on the device
osPlatform	Operating system of the device, such as junos.
eventProfileInstallationStatus	Name of the Event Profile is installed on the device. For an end-customer deviceeventProfileInstallationStatus is set to Not Applicable .
connectionStatus	Device connection status. For an end-customer connectionStatus is set to Not Applicable .
ipAddr	Device IP address.

Output

Example XML Output

```
<device uri="/api/juniper/servicenow/device-management/devices/132741">
  <hostName>EX4200.24T.180</hostName>
  <serialNumber>BM0210435717</serialNumber>
  <product>EX4200-24T</product>
  <softwareRelease>10.4R11.4</softwareRelease>
  <routingEngine>Not Available</routingEngine>
  <eventProfileInstallationStatus>Not Available</eventProfileInstallationStatus>
  <connectionStatus>up</connectionStatus>
  <osPlatform>junos-ex</osPlatform>
  <ipAddr>10.205.50.180</ipAddr>
  <deviceFamily>junos-ex</deviceFamily>
```



```

    <organization
href="/api/juniper/servicenow/organization-management/organization/132736">
    <id>132736</id>
    <name>MyOrg</name>
    </organization>
    <deviceGroup
href="/api/juniper/servicenow/device-group-management/deviceGroup/132737">
    <id>132737</id>
    <name>Default for MyOrg</name>
    </deviceGroup>
    <locationAddress key="132757"
href="/api/juniper/servicenow/address-group-management/addressGroups/132757">

        <addressType>Location</addressType>
        <name>Ashu</name>
    </locationAddress>
    <shipToAddress key="132758"
href="/api/juniper/servicenow/address-group-management/addressGroups/132758">

        <addressType>Ship-to</addressType>
        <name>Rahul</name>
    </shipToAddress>
    <id>132741</id>
    <method
href="/api/juniper/servicenow/device-management/devices/132741/installEventProfile"
rel="Install Event Profile"/>
    <method
href="/api/juniper/servicenow/device-management/devices/132741/uninstallEventProfile"
rel="Uninstall Event Profile"/>
    <method
href="/api/juniper/servicenow/device-management/devices/132741/exportDevice"
rel="Export device in excel or CSV format"/>
    <method
href="/api/juniper/servicenow/device-management/devices/132741/associateDeviceGroup"
rel="Associate device to device group "/>
    <method
href="/api/juniper/servicenow/device-management/devices/132741/exportDeviceInventory"
rel="Export Device Inventory"/>
    </device>

```

Example JSON Output

```

{"device": {
  "@uri": "/api/juniper/servicenow/device-management/devices/132741",
  "hostName": "EX4200.24T.180",
  "serialNumber": "BM0210435717",
  "product": "EX4200-24T",
  "softwareRelease": "10.4R11.4",
  "routingEngine": "Not Available",
  "eventProfileInstalltionStatus": "Not Available",
  "connectionStatus": "up",
  "osPlatform": "junos-ex",
  "ipAddr": "10.205.50.180",
  "deviceFamily": "junos-ex",
  "organization": {
    "@href": "/api/juniper/servicenow/organization-management/organization/132736",
    "id": 132736,

```

```
    "name": "MyOrg"
  },
  "deviceGroup": {
    "@href": "/api/juniper/servicenow/device-group-management/deviceGroup/132737",

    "id": 132737,
    "name": "Default for MyOrg"
  },
  "locationAddress": {
    "@key": "132757",
    "@href":
"/api/juniper/servicenow/address-group-management/addressGroups/132757",
    "addressType": "Location",
    "name": "Ashu"
  },
  "shipToAddress": {
    "@key": "132758",
    "@href":
"/api/juniper/servicenow/address-group-management/addressGroups/132758",
    "addressType": "Ship-to",
    "name": "Rahul"
  },
  "id": 132741,
  "method": [
    {
      "@href":
"/api/juniper/servicenow/device-management/devices/132741/installEventProfile",
      "@rel": "Install Event Profile"
    },
    {
      "@href":
"/api/juniper/servicenow/device-management/devices/132741/uninstallEventProfile",

      "@rel": "Uninstall Event Profile"
    },
    {
      "@href":
"/api/juniper/servicenow/device-management/devices/132741/exportDevice",
      "@rel": "Export device in excel or CSV format"
    },
    {
      "@href":
"/api/juniper/servicenow/device-management/devices/132741/associateDeviceGroup",

      "@rel": "Associate device to device group "
    },
    {
      "@href":
"/api/juniper/servicenow/device-management/devices/132741/exportDeviceInventory",

      "@rel": "Export Device Inventory"
    }
  ]
}
```

- Related Documentation**
- [Device Management REST API Overview on page 33](#)
 - [Get All the Devices in Service Now on page 36](#)
 - [Export All Devices on page 45](#)
 - [Export Device Inventory on page 47](#)
 - [Add Device to Service Now on page 48](#)
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 - [Install Event Profile on page 70](#)
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Export All Devices

The Export All Devices operation exports the device information, such as the hostname, serial number and so forth, managed through Junos Space to a Microsoft Excel or comma-separated view (CSV) file.

URI

https://[host]/api/juniper/servicenow/device-management/devices/exportDevice?type={type}
(HTTP method = POST)

URI Parameters

devices	Exports only the listed device information. If no devices are specified, exports all found devices.
type	Defines the output format. Valid options are: excel and csv . If type is not defined, the output is generated as a Microsoft Excel file.

In the following example only the two specified devices are exported.

Example input in XML format

```
<export>
  <devices>
    <device uri="/api/juniper/servicenow/device-management/devices/622592"/>
    <device uri="/api/juniper/servicenow/device-management/devices/622593"/>
  </devices>
</export>
```

Example input in JSON format

```
export:{
  devices:{
    device:[
      {
        uri:'/api/juniper/servicenow/device-management/devices/622592'
      },
      {
        uri:'/api/juniper/servicenow/device-management/devices/622593'
      }
    ]
  }
}
```

Consumes

- application/vnd.juniper.servicenow.device-management.export+xml;version=1;charset=UTF-8
- application/vnd.juniper.servicenow.device-management.export+json;version=1;charset=UTF-8

Produces

application/octet-stream

Response

The response is an Octet-Stream and the file is downloaded in either excel or csv format.

Response Status Code

Message	Description
404 Not Found	Invalid device ID.
400 Bad Request	Invalid type specified. The type parameter must excel or csv .

Related Documentation

- [Device Management REST API Overview on page 33](#)
- [Get All the Devices in Service Now on page 36](#)
- [Get Device Information According To Device ID on page 41](#)
- [Export Device Inventory on page 47](#)
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Export Device Inventory

The Export Device Inventory operation exports the device chassis information managed through Junos Space to a Microsoft Excel or comma-separated view (CSV) file.

URI

`https://[host]/api/juniper/servicenow/device-management/devices/exportDeviceInventory?type={type}`
(HTTP method = POST)

URI Parameters

devices	Exports only the listed device information. If no devices are specified, exports all found devices.
type	Defines the output format. Valid options are: excel and csv . If type is not defined, the output is generated as a Microsoft Excel document.

In the following example (listed both as XML and JSON) only the two specified devices are exported.

```
<export>
  <devices>
    <device uri="/api/juniper/servicenow/device-management/devices/622592"/>
    <device uri="/api/juniper/servicenow/device-management/devices/622593"/>
  </devices>
</export>
export:{
  devices:{
    device:[
      {
        uri:'/api/juniper/servicenow/device-management/devices/622592'
      },
      {
        uri:'/api/juniper/servicenow/device-management/devices/622593'
      }
    ]
  }
}
```

Consumes

- `application/vnd.juniper.servicenow.device-management.export+xml;version=1; charset=UTF-8`
- `application/vnd.juniper.servicenow.device-management.export+json;version=1; charset=UTF-8`

Produces

application/octet-stream

Response

The response is an Octet-Stream and the file is downloaded in either excel or csv format.

Response Status Code

Message	Description
404 Not Found	Invalid device ID.
400 Bad Request	Invalid type specified. The type parameter must excel or csv .

Related Documentation

- [Device Management REST API Overview on page 33](#)
- [Get All the Devices in Service Now on page 36](#)
- [Get Device Information According To Device ID on page 41](#)
- [Export All Devices on page 45](#)
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Add Device to Service Now

The Add Device to Service Now operation adds a platform device to Service Now.

URI

`https://[host]/api/juniper/servicenow/device-management/devices/add` (HTTP method = POST)

URI Parameters

None.

Consumes

- vnd.juniper.servicenow.device-management.adddevices+xml;version=1; charset=UTF-8
- vnd.juniper.servicenow.device-management.adddevices+json;version=1; charset=UTF-8

Produces

- vnd.juniper.servicenow.device-management.servicenowmsg+xml;version=2
- vnd.juniper.servicenow.device-management.servicenowmsg+json;version=2

Sample XML Input

```
<adddevices>
  <devices>
    <device href="/api/space/device-management/devices/262256"/>
    <device href="/api/space/device-management/devices/100"/>
    <device href="/api/space/device-management/devices/262220"/>
  </devices>
</adddevices>
```

Sample JSON Input

```
adddevices:{
  devices:{
    device:[
      {
        href:'/api/space/device-management/devices/262256'
      },
      {
        href:'/api/space/device-management/devices/100'
      },
      {
        href:'/api/space/device-management/devices/262220'
      }
    ]
  }
}
```

Response

Element	Description
severity	Severity of the operation. Values are: <ul style="list-style-type: none">• WARN• ERROR
code	Service Now-specific error code.
desc	Description of the operation.
key	Value of the ID passed as an input.

Response Status Code

Message	Description
500 Internal Server Error	Service Now is in demo mode, specified device ID does not exist, or error while adding device to Service Now.

Output**Example XML Output**

```
<servicenowmsg>
  <deviceStatus>
    <desc>Devices successfully added</desc>
    <keys>
      <key>262256</key>
    </keys>
  </deviceStatus>
  <exceptions>
    <exception>
      <severity>ERROR</severity>
      <code>SN-1000</code>
      <desc>Invalid devices</desc>
      < keys >
        <key>100</key>
      </ keys >
    </exception>
    <exception>
      <severity>WARN</severity>
      <code>SN-1001</code>
      <desc> Devices already added/present in Service Now </desc>
      <keys>
        <key>262220</key>
      </keys>
    </exception>
  </exceptions>
</servicenowmsg>
```

Example JSON Output

```
servicenowmsg:{
  devicestatus:{
    desc:'Device Successfully Added to Service Now',
    keys:{
      key: 262256
    }
  },
  exceptions:{
    exception:[
      {
        severity:'WARN',
        code:'SN-1001',
        desc:'Devices already added/present in Service Now ',
        keys:{
          key: 262220
        }
      },
      {
        severity:'ERROR',
```



```
      code:'SN-1000',
      desc:'Invalid Devices',
      keys:{
        key:100
      }
    ]
  }
}
```

Related Documentation

- [Device Management REST API Overview on page 33](#)
- [Get All the Devices in Service Now on page 36](#)
- [Get Device Information According To Device ID on page 41](#)
- [Export All Devices on page 45](#)
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Create Device Group

The create Device Group operation creates a device group in Service Now.

URI

`https://[host]/api/juniper/servicenow/device-group-management/deviceGroup/createDeviceGroup`
(HTTP method = POST)

URI Parameters

None

Consumes

- `vnd.juniper.servicenow.device-group-management.createdevicegroup+xml;version=1;charset=UTF-8`
- `vnd.juniper.servicenow.device-group-management.createdevicegroup+json;version=1;charset=UTF-8`

Produces

- vnd.juniper.servicenow.device-group-management.createdevicegroup.servicenowmsg+xml;version=1
- vnd.juniper.servicenow.device-group-management.createdevicegroup.servicenowmsg+json;version=1

Input

Example XML Input

```
<createDeviceGroup>
<deviceGroupName>Juniper Device Group</deviceGroupName>
<defaultDeviceGroup>true</defaultDeviceGroup>
<organization href =
"/api/juniper/servicenow/organization-management/organization/229380"/>
<devices>
  <device href= "/api/juniper/servicenow/device-management/devices/229382"/>
  <device href= "/api/juniper/servicenow/device-management/devices/229385"/>
  <device href= "/api/juniper/servicenow/device-management/devices/100"/>
</devices>
</createDeviceGroup>
```

Example JSON Input

```
{
  "createDeviceGroup":{
    "deviceGroupName":"Juniper Device Group",
    "defaultDeviceGroup":"true",
    "organization":{
      "@href":"/api/juniper/servicenow/organization-management/organization/229380"
    },
    "devices":{
      "device":[
        {
          "@href":"/api/juniper/servicenow/device-management/devices/229382"
        },
        {
          "@href":"/api/juniper/servicenow/device-management/devices/229385"
        },
        {
          "@href":"/api/juniper/servicenow/device-management/devices/100"
        }
      ]
    }
  }
}
```



NOTE:

- **deviceGroupName** is mandatory
 - **organization** is mandatory
 - If **defaultDeviceGroup** is not specified, then Service Now will create a non-default device group.
 - If **devices** are specified, then Service Now will associate the devices to its corresponding device groups.
-

Response Status Code

Message	Description
SN-1000	Invalid device ID, device not found
404 Not Found	Invalid organization ID, organization not found
400 Bad Request	One of the following: <ul style="list-style-type: none"> Invalid device group name is specified, device group name cannot be null or empty. Invalid organization name, organization name cannot be null or empty.

Output**Example XML Output**

```

<servicenowmsg>
  <status>
    <desc>
      Device group successfully created and devices are successfully associated
      with this device group.
    </desc>
    <keys>
      <key>229385</key>
      <key>229382</key>
    </keys>
  </status>
  <exceptions>
    <exception>
      <severity>ERROR</severity>
      <code>SN-1000</code>
      <desc>Invalid Devices</desc>
      <keys>
        <key>100</key>
      </keys>
    </exception>
  </exceptions>
</servicenowmsg>

```

Example JSON Output

```

{
  "servicenowmsg": {
    "status": {
      "desc": "Device group successfully created. and Devices are successfully associated
      with this device group",
      "keys": {
        "key": [
          229385,
          229382
        ]
      }
    },
    "exceptions": {
      "exception": {
        "severity": "ERROR",

```

```
"code": "SN-1000",
"desc": "Invalid Devices",
"keys": {
  "key": 100
}
}
}
}
```

**Related
Documentation**

- [Device Management REST API Overview on page 33](#)
- [Get All the Devices in Service Now on page 36](#)
- [Get Device Information According To Device ID on page 41](#)
- [Export All Devices on page 45](#)
- [Export Device Inventory on page 47](#)
- [Add Device to Service Now on page 48](#)
- [Associate A Device To A Device Group on page 54](#)
- [Create On Demand Incident on page 56](#)
- [Get All Device Groups on page 59](#)
- [Get Device Group By ID on page 61](#)
- [Associate Device to a Device Group on page 63](#)
- [Delete Device Group on page 66](#)
- [Associate Devices to Address Group on page 194](#)
- [Install Event Profile on page 70](#)
- [Uninstall Event Profiles on page 72](#)

Associate A Device To A Device Group

Device groups let you group devices within an organization. Use the Associate a Device to a Device group operation to associate multiple devices to a device group.

URI

`https://[host]/api/juniper/servicenow/device-management/devices/{id}/associateDeviceGroup`
(HTTP method = POST)

URI Parameters

id	Unique ID of the device to add to the group.
----	--

In the following examples, devices are added to the device group identified as 327680.

Example XML Input

```
<associateddevicegroup>
  <devicegroup href
    ="/api/juniper/servicenow/device-group-management/deviceGroup/327680"/>
</associateddevicegroup>
```

Example JSON Input

```
associateddevicegroup:{
  devicegroup:{
    href:'/api/juniper/servicenow/device-group-management/deviceGroup/327680'

  }
}
```

Consumes

- vnd.juniper.servicenow.device-management.associateddevicegroup+xml;version=1;charset=UTF-8
- vnd.juniper.servicenow.device-management.associateddevicegroup+json;version=1;charset=UTF-8

Produces

- vnd.juniper.servicenow.device-management.servicenowmsg+xml;version=1
- vnd.juniper.servicenow.device-management.servicenowmsg+json;version=1

Response

If successful, the following XML response is returned.

```
<servicenowmsg>
  <msg>Device added successfully to device group</msg>
</servicenowmsg>
```

If successful, the following JSON response is returned.

```
servicenowmsg:{
  msg:'Device added successfully to device group'
}
```

Response Status Code

Message	Description
404 Not Found	Invalid device ID or device group ID.

Related Documentation

- [Device Management REST API Overview on page 33](#)
- [Get All the Devices in Service Now on page 36](#)
- [Get Device Information According To Device ID on page 41](#)
- [Export All Devices on page 45](#)
- [Export Device Inventory on page 47](#)
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- [Create On Demand Incident on page 56](#)
- [Get All Device Groups on page 59](#)
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- [Delete Device Group on page 66](#)
- [Install Event Profile on page 70](#)
- [Uninstall Event Profiles on page 72](#)
- [Create Device Group on page 51](#)

Create On Demand Incident

The Create On Demand incident operation lets you create Juniper Message Bundles (JMBs) for specific devices without having to wait for an event to trigger an incident. These JMBs are called on-demand incidents. When you submit an on-demand incident, Service Now calls a pre-defined on-demand incident profile which triggers an event and generates the incident.

URI

`https://[host]/api/juniper/servicenow/device-management/devices/createOnDemandIncident?queue=http://[host]/api/hornet-q/queues/jms.queue.[QueueName]` (HTTP method = POST)

Example Input

Example XML Input

```
<ondemandincident>
  <devices>
    <device uri="/api/juniper/servicenow/device-management/devices/622592"/>
    <device uri="/api/juniper/servicenow/device-management/devices/622593"/>
  </devices>
  <followUpMethod>Email Full Text Update</followUpMethod>
  <caseCCList>
    <email>biruk@juniper.net</email>
    <email>apathodia@juniper.net</email>
  </caseCCList>
  <priority>Critical</priority>
  <synopsisComments>
    These are my synopsis comments here
  </synopsisComments>
  <customerComments>
    These are my customer comments here
  </customerComments>
  <useOffBoxJMBProcessing>true</useOffBoxJMBProcessing>
</ondemandincident>
```

Example JSON Input

```
{
  "ondemandincident":{
    "devices":{
      "device":[
```

```

    {
      "@uri":"/api/juniper/servicenow/device-management/devices/262144"
    },
    {
      "@uri":"/api/juniper/servicenow/device-management/devices/262176"
    }
  ],
  "followUpMethod":"Email Full Text Update",
  "caseCCList":{
    "email":[
      "biruk@juniper.net",
      "apathodia@juniper.net"
    ]
  },
  "priority":"Critical",
  "synopsisComments":"These are my synopsis comments here",
  "customerComments":"These are my customer comments here"
  "useOffBoxJMBProcessing": true
}
}

```

Consumes

- vnd.juniper.servicenow.device-management.ondemandincident+xml;version=2
- vnd.juniper.servicenow.device-management.ondemandincident+json;version=2

Additional Information

Please note the following when providing input to create on demand incident.

- Set **useOffBoxJMBProcessing** to **true** to trigger on-demand incident creation using an off-box mechanism. If **useOffBoxJMBProcessing** is false, AIScript will be triggered to collect the on-demand JMB.
- If Service Now is in **Mode** or **Direct Mode**:
 - If **followUpMethod** is provided as an input the valid **followUpMethod** values are:
 - Email Full Text Update
 - Email Secure Web Link
 - Phone Call
- If Service Now is in **End Customer Mode**, **followUpMethod** is not required and will be discarded if provided as an input.
- If provided as an input, the valid **priority** values (case insensitive) are:
 - Critical
 - High
 - Medium
 - Low

Response Status Code

Message	Description
400 Bad Request	One of the following: <ul style="list-style-type: none">• Cannot Create On-Demand Incident as more than five devices have been selected• Is not associated with any Device Group• Is a Connected Member Device• Is a Fabric Node (TOR)• Is a DCF device• Invalid Follow Up Method• Invalid priority• Invalid priority
404 Not Found	Not a valid Service Now device.

Output**Example XML Output**

```
<task href="/api/juniper/job-management/jobs/3801101">  
  <id>3801101</id>  
</task>
```

Example JSON Output

```
{  
  "task":{  
    "@href":"/api/space/job-management/jobs/3801101",  
    "id":3801101  
  }  
}
```

Related Documentation

- [Device Management REST API Overview on page 33](#)
- [Get All the Devices in Service Now on page 36](#)
- [Get Device Information According To Device ID on page 41](#)
- [Export All Devices on page 45](#)
- [Export Device Inventory on page 47](#)
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- [Install Event Profile on page 70](#)

- [Uninstall Event Profiles on page 72](#)
- [Create Device Group on page 51](#)

Get All Device Groups

The Get All Device Groups operation returns information, such as name and organization, of all available device groups. This operation does not display devices within the device group.

URI

`https://[host]/api/juniper/servicenow/device-group-management/deviceGroup` (HTTP method = GET)

URI Parameters

None.

Produces

- `vnd.juniper.servicenow.device-group-management.devicegroups+xml;version=2`
- `vnd.juniper.servicenow.device-group-management.devicegroups+json;version=2`

Response

Element	Description
size	Number of device groups found.
key	Unique key to identify this device group.
uri	Device group resource identifier.
devicegroupname	Device group name.
isDefault	Identifies whether this is the default group. Values are true and false . This element is valid only when Service Now is running in Proxy mode. You cannot delete a default device group until another device group is set as the default.
organizationname	Organization to which this device group is associated with.

Response Status Code

Message	Description
204 No Content	No device groups found.

Output**Example XML Output**

```
<devicegroups size="1"
uri="/api/juniper/servicenow/device-group-management/deviceGroup">
  <devicegroup key="327680"
uri="/api/juniper/servicenow/device-group-management/deviceGroup/327680"
href="/api/juniper/servicenow/device-group-management/deviceGroup/327680">
    <deviceGroupName>test</deviceGroupName>
    <isDefault>true</isDefault>
    <organizationName>testdg</organizationName>
  </devicegroup>
</devicegroups>
```

Example JSON Output

```
devicegroups:{
  size:1,
  uri:'/api/juniper/servicenow/device-group-management/deviceGroup',
  devicegroup:{
    key:327680,
    uri:'/api/juniper/servicenow/device-group-management/deviceGroup/327680',
    href:'/api/juniper/servicenow/device-group-management/deviceGroup/327680',

    devicegroupname:'test',
    isDefault:'true'
    organizationname:'testdg'
  }
}
```

**Related
Documentation**

- [Device Management REST API Overview on page 33](#)
- [Get All the Devices in Service Now on page 36](#)
- [Get Device Information According To Device ID on page 41](#)
- [Export All Devices on page 45](#)
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- [Get Device Group By ID on page 61](#)
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- [Create Device Group on page 51](#)

Get Device Group By ID

The Get Device Group By ID operation returns information about a specific device group, including which devices are part of that device group.

URI

`https://[host]/api/juniper/servicenow/device-group-management/deviceGroup/{id}`
(HTTP method = GET)

URI Parameters

Parameter	Description
id	Unique identifier of the device group you want to query.

Produces

- `vnd.juniper.servicenow.device-group-management.devicegroup+xml;version=2`
- `vnd.juniper.servicenow.device-group-management.devicegroup+json;version=2`

Response

Element	Description
uri	Device group resource identifier.
devicegroupname	Device group name.
href	Path to the organization, device or method.
id	Organization unique identifier.
devicegroupid	Device group unique identifier.
name	Organization name.
size	Number of devices in the device group.
key	Device unique identifier.
hostname	Device DNS hostname.
rel	Description of an operation that can be performed on this resource.

Response Status Code

Message	Description
404 Not Found	Invalid device group identifier specified. No device group found.

Output**Example XML Output**

```
<deviceGroup
uri="/api/juniper/servicenow/device-group-management/deviceGroup/327680">
  <deviceGroupName>test</deviceGroupName>
  <organization
href="/api/juniper/servicenow/organization-management/organization/229377">
    <id>229377</id>
    <deviceGroupId>327680</deviceGroupId>
    <name>testdg</name>
  </organization>
  <devices size="2" href="/api/juniper/servicenow/device-management/devices">

    <device key="99503"
href="/api/juniper/servicenow/device-management/devices/99503">
      <hostName>SRX1400-b</hostName>
    </device>
    <device key="99504"
href="/api/juniper/servicenow/device-management/devices/99504">
      <hostName>SRX1400-a</hostName>
    </device>
  </devices>
</id>327680</id>
<method
href="/api/juniper/servicenow/device-group-management/deviceGroup/327680/associateDevices"
rel="Associate devices to device group"/>
</deviceGroup>
```

Example XML Output

```
devicegroup:{
  uri:'/api/juniper/servicenow/device-group- management/deviceGroup/327680',
  devicegroupname:'test',
  organization:{
    href:'/api/juniper/servicenow/organization-management/organization/229377',
    id:229377,
    devicegroupid:327680,
    name:'testdg'
  },
  devices:{
    size:2,
    href:'/api/juniper/servicenow/device-management/devices',
    device:[
      {
        key:99503,
        href:'/api/juniper/servicenow/device-management/devices/99503',
        hostname:'SRX1400-b'
      },
      {
        key:99504,
```

```

        href: '/api/juniper/servicenow/device-management/devices/99504',
        hostname: 'SRX1400-a'
      }
    ],
    id: 327680,
    method: {
      href: '/api/juniper/servicenow/device-group-management/deviceGroup/327680/associateDevices',
      rel: 'Associate devices to device group'
    }
  }
}

```

Related Documentation

- [Device Management REST API Overview on page 33](#)
- [Get All the Devices in Service Now on page 36](#)
- [Get Device Information According To Device ID on page 41](#)
- [Export All Devices on page 45](#)
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Associate Device to a Device Group

The Associate Device to Device Group operation adds devices to a device group.

URI

`https://[host]/api/juniper/servicenow/device-group-management/deviceGroup/{id}/associateDevices`
(HTTP method = POST)

URI Parameters

Parameter	Description
id	Unique identifier of the device to associate with the device group.

Example XML Input

```
<associateddevices>
  <devices>
    <device href ="/api/juniper/servicenow/device-management/devices/99503"/>

    <device href ="/api/juniper/servicenow/device-management/devices/99505"/>

    <device href ="/api/juniper/servicenow/device-management/devices/100"/>
  </devices>
</associateddevices>
```

Example JSON Input

```
associateddevices:{
  devices:{
    device:[
      {
        href:'/api/juniper/servicenow/device-management/devices/99503'
      },
      {
        href:'/api/juniper/servicenow/device-management/devices/99505'
      },
      {
        href:'/api/juniper/servicenow/device-management/devices/100'
      }
    ]
  }
}
```

Consumes

- vnd.juniper.servicenow.device-group-management.associateddevices+xml;version=1; charset=UTF-8
- vnd.juniper.servicenow.device-group-management.associateddevices+json;version=1; charset=UTF-8

Produces

- vnd.juniper.servicenow.device-group-management.servicenowmsg+json;version=2
- vnd.juniper.servicenow.device-group-management.servicenowmsg+json;version=2

Response

Element	Description
key	Device unique identifier.

Response Status Code

Message	Description
404 Not Found	Invalid device ID or invalid device group ID specified.

Output

Example XML Output

```

<servicenowmsg>
  <deviceStatus>
    <desc>
      Device successfully associated with device group
    </desc>
    <keys>
      <key>99503</key>
      <key>99505</key>
    </keys>
  </deviceStatus>
  <exceptions>
    <exception>
      <severity>ERROR</severity>
      <code>SN-1000</code>
      <desc>Invalid devices</desc>
      < keys >
        <key>100</key>
      </ keys >
    </exception>
  </exceptions>
</servicenowmsg>

```

Example JSON Output

```

servicenowmsg:{
  devicestatus:{
    desc:'Device successfully associated with device group',
    keys:{
      key:[
        99503,
        99505
      ]
    }
  },
  exceptions:{
    exception:{
      severity:'ERROR',
      code:'SN-1000',
      desc:'Invalid Devices',
      keys:{
        key:100
      }
    }
  }
}

```

Related Documentation

- [Device Management REST API Overview on page 33](#)
- [Get All the Devices in Service Now on page 36](#)
- [Get Device Information According To Device ID on page 41](#)
- [Export All Devices on page 45](#)
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Delete Device Group

The Delete Device Group operation deletes the specified device group from Service Now.

URI

`https://[host]/api/juniper/servicenow/device-group-management/deviceGroup/{id}`
(HTTP method = DELETE)

URI Parameters

Parameter	Description
id	Unique identifier of the device group to remove.

Produces

- `vnd.juniper.servicenow.device-group-management.servicenowmsg+xml;version=1`
- `vnd.juniper.servicenow.device-group-management.servicenowmsg+json;version=1`

Response Status Code

Message	Description
404 Not Found	Invalid device group ID specified.

Output

Example XML Output

```
<servicenowmsg>
  <msg>
    Device group successfully deleted
  </msg>
</servicenowmsg>
```

Example JSON Output

```
servicenowmsg:{
  msg:'Device group successfully deleted'
}
```


Related Documentation

- [Device Management REST API Overview on page 33](#)
- [Get All the Devices in Service Now on page 36](#)
- [Get Device Information According To Device ID on page 41](#)
- [Export All Devices on page 45](#)
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Associate Devices to Address Group

The Associate Device to Address Group operation adds devices to an address group.

URI

`https://[host]/api/juniper/servicenow/device-management/devices/associateAddressGroup`
(HTTP method = POST)

URI Parameters

None.

Example XML Input

```
<devices>
  <device href="/api/juniper/servicenow/device-management/devices/1671168">
    <addressType>1</addressType>
  </device>
  <device href="/api/juniper/servicenow/device-management/devices/1671181">
    <addressType>2</addressType>
  </device>
  <device href="/api/juniper/servicenow/device-management/devices/1671197">
    <addressType>0</addressType>
  </device>
  <device href="/api/juniper/servicenow/device-management/devices/1234">
    <addressType>1</addressType>
  </device>
  <device href="/api/juniper/servicenow/device-management/devices/1671208">
    <addressType>4</addressType>
  </device>
</devices>
```

Example JSON Input

```
{
  "devices": {
    "device": [
      {
        "@href": "/api/juniper/servicenow/device-management/devices/1671168",
        "addressType": "0"
      },
      {
        "@href": "/api/juniper/servicenow/device-management/devices/1671181",
        "addressType": "1"
      },
      {
        "@href": "/api/juniper/servicenow/device-management/devices/1671197",
        "addressType": "2"
      },
      {
        "@href": "/api/juniper/servicenow/device-management/devices/1234",
        "addressType": "2"
      },
      {
        "@href": "/api/juniper/servicenow/device-management/devices/1671208",
        "addressType": "4"
      }
    ]
  }
}
```

Consumes

- vnd.juniper.servicenow.address-group-management.devices+xml;version=1;charset=UTF-8
- vnd.juniper.servicenow.address-group-management.devices+json;version=1; charset=UTF-8

Produces

- vnd.juniper.servicenow.address-group-management.adddevicesmsg+xml;version=1
- vnd.juniper.servicenow.address-group-management.adddevicesmsg+json;version=1

Additional Information

The addressType field is mandatory. The following are the valid values for addressType:

- 0 – Address is a location address
- 1 – Address is a ship-to address
- 2 – Address applies to both the location and ship-to addresses

Response

Element	Description
key	Device unique identifier.

Response Status Code

Message	Description
404 Not Found	Invalid address group ID.
SN-1007	Address type is not valid.
SN-1000	Invalid devices.

Output

Example XML Output

```
<servicenowmsg>
  <status>
    <desc>Devices successfully associated with address group</desc>
    <keys>
      <key>1671168</key>
      <key>1671181</key>
      <key>1671197</key>
    </keys>
  </status>
  <exceptions>
    <exception>
      <severity>ERROR</severity>
      <code>SN-1000</code>
      <desc>Invalid Devices</desc>
      <keys>
        <key>1234</key>
      </keys>
    </exception>
    <exception>
      <severity>ERROR</severity>
      <code>SN-1007</code>
      <desc>Address Type is not valid</desc>
      <keys>
        <key>1671208</key>
      </keys>
    </exception>
  </exceptions>
</servicenowmsg>
```

Example JSON Output

```
{
  "servicenowmsg": {
    "status": {
      "desc": "Devices successfully associated with address group",
      "keys": {
        "key": [
          1671168,
          1671181,
          1671197
        ]
      }
    },
    "exceptions": {
```

```
"exception": [
  {
    "severity": "ERROR",
    "code": "SN-1000",
    "desc": "Invalid Devices",
    "keys": {
      "key": 1234
    }
  },
  {
    "severity": "ERROR",
    "code": "SN-1007",
    "desc": "Address Type is not valid",
    "keys": {
      "key": 1671208
    }
  }
]
}
```

Related Documentation

- [Get All the Devices in Service Now on page 36](#)
- [Get Device Information According To Device ID on page 41](#)
- [Export All Devices on page 45](#)
- [Export Device Inventory on page 47](#)
- [Add Device to Service Now on page 48](#)
- [Associate A Device To A Device Group on page 54](#)
- [Create On Demand Incident on page 56](#)
- [Get All Device Groups on page 59](#)
- [Get Device Group By ID on page 61](#)
- [Associate Device to a Device Group on page 63](#)
- [Delete Device Group on page 66](#)
- [Install Event Profile on page 70](#)
- [Uninstall Event Profiles on page 72](#)

Install Event Profile

An event profile is a set of event scripts that are selected from an AI-Script bundle. When you install an event profile on Juniper Networks devices, the event scripts are installed on the devices and provide the information needed to automatically detect and report problem (incident) and information events, thus ensuring maximum network uptime. Service Now uses Device Management Interface (DMI) to install and uninstall AI-Scripts on devices. DMI is an extension to the NETCONF network management protocol.

Use the Install Event Profile method to install an event profile on a device.

URI

`https://[host]/api/juniper/servicenow/device-management/devices/{id}/installEventProfile?queue=http://[host]/api/hor-net-q/queues/jms.queue.[QueueName]`
(HTTP method = POST)

Example XML Input

```
<installeventprofile>
  <eventprofile
href="/api/juniper/servicenow/event-profile-management/eventProfiles/163857" />
    <neverStoreScriptBundle>false</neverStoreScriptBundle>
    <removeScriptBundle>false</removeScriptBundle>
  </eventprofile>
</installeventprofile>
```

Example JSON Input

```
{
  "installeventprofile": {
    "eventprofile": { "-href":
"/api/juniper/servicenow/event-profile-management/eventProfiles/163857" },
    "neverStoreScriptBundle": "false",
    "removeScriptBundle": "false"
  }
}
```

Consumes

- `vnd.juniper.servicenow.device-management.installeventprofile+xml;version=1; charset=UTF-8` for XML request
- `vnd.juniper.servicenow.device-management.installeventprofile+json;version=1; charset=UTF-8` for JSON request

Produces

- `vnd.juniper.servicenow.device-management.device+xml;version=1` for XML requests
- `vnd.juniper.servicenow.device-management.device+json;version=1` for JSON requests

Response

Element	Description
key	Device unique identifier.

Response Status Code

Message	Description
404 Not Found	Invalid address group ID.
SN-1007	Address type is not valid.
SN-1000	Invalid devices.

Output**Example XML Output**

```
< task href= "/api/juniper/job-management/jobs/2130040" >  
< id >2130040< /id >  
< /task >
```

Example JSON Output

```
{  
  "task": {  
    "href": "/api/juniper/job-management/jobs/2130040",  
    "id": "2130040"  
  }  
}
```

**Related
Documentation**

- [Get All the Devices in Service Now on page 36](#)
- [Get Device Information According To Device ID on page 41](#)
- [Export All Devices on page 45](#)
- [Export Device Inventory on page 47](#)
- [Add Device to Service Now on page 48](#)
- [Create Device Group on page 51](#)
- [Associate A Device To A Device Group on page 54](#)
- [Create On Demand Incident on page 56](#)
- [Get All Device Groups on page 59](#)
- [Get Device Group By ID on page 61](#)
- [Associate Device to a Device Group on page 63](#)
- [Delete Device Group on page 66](#)
- [Uninstall Event Profiles on page 72](#)

Uninstall Event Profiles

Use the Uninstall Event Profiles operation to remove all event profiles installed on a device.

URI

```
/api/juniper/servicenow/device-management/devices/ {id}  
/uninstallEventProfile?queue=https://[host]/api/hornet-q/queues/jms.queue.[QueueName]  
(HTTP method = POST)
```

URI Parameters

id	Device unique identifier.
----	---------------------------

Produces

- vnd.juniper.servicenow.device-management.installeventprofile+xml;version=1; charset=UTF-8
- vnd.juniper.servicenow.device-management.installeventprofile+json;version=1; charset=UTF-8

Output

Example XML Output `< task href="/api/juniper/job-management/jobs/2130040" >
 < id >2130040< /id >
 < /task >`

Example JSON Output `{
 "task": {
 "-href": "/api/juniper/job-management/jobs/2130040",
 "id": "2130040"
 }
}`

Related Documentation

- [Get All the Devices in Service Now on page 36](#)
- [Get Device Information According To Device ID on page 41](#)
- [Export All Devices on page 45](#)
- [Export Device Inventory on page 47](#)
- [Add Device to Service Now on page 48](#)
- [Create Device Group on page 51](#)
- [Associate A Device To A Device Group on page 54](#)
- [Create On Demand Incident on page 56](#)
- [Get All Device Groups on page 59](#)
- [Get Device Group By ID on page 61](#)
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- [Delete Device Group on page 66](#)
- [Install Event Profile on page 70](#)

CHAPTER 5

Event Profile Management REST APIs

- [Event Profile Management REST API Overview on page 75](#)
- [Get All Event Profiles on page 76](#)
- [Get Event Profile By Profile ID on page 78](#)
- [Install Event Profile On Devices on page 82](#)

Event Profile Management REST API Overview

An event profile is a set of event scripts that are selected from an AI-Script bundle. When you install an event profile on Juniper Networks devices, the event scripts are installed on the devices and provide the information needed to automatically detect and report problem (incident) and information events, thus ensuring maximum network uptime.

The `api/juniper/servicenow/event-profile-management` resource is available under `https://[host]/api/juniper/servicenow`.

URI

`https://[host]/api/juniper/servicenow/event-profile-management`

Produces

- `vnd.juniper.servicenow.event-profile-management+xml;version=1`
- `vnd.juniper.servicenow.event-profile-management+json;version=1`

Output

Example XML Output

```
<servicenow-event-profile-management>
  <collection href="/api/juniper/servicenow/event-profile-management/eventProfiles"
    rel="event-profiles"/>
</servicenow-event-profile-management>
```

Example JSON Output

```
servicenow-event-profile-management:{
  servicenow-event-profile-management:{
    collection:{
      href:'/api/juniper/servicenow/event-profile-management/eventProfiles',
      rel:'event-profiles'
    }
  }
  collection:{
```

```
        href:'/api/juniper/servicenow/event-profile-management/eventProfiles',  
        rel:'event-profiles'  
    }  
}
```

**Related
Documentation**

- [Get All Event Profiles on page 76](#)
- [Get Event Profile By Profile ID on page 78](#)
- [Install Event Profile On Devices on page 82](#)
- [Uninstall Event Profiles on page 72](#)

Get All Event Profiles

The Get All Event Profiles operation lists all event profiles in Service Now, including their name, description, the AI-Script bundle that it is associated with, and the event scripts that it consists of.

URI

`https://[host]/api/juniper/servicenow/event-profile-management/eventProfiles` (HTTP method = GET)

Produces

- `vnd.juniper.servicenow.event-profile-management.eventprofiles+xml;version=1;`
- `vnd.juniper.servicenow.event-profile-management.eventprofiles+json;version=1`

Response

Element	Description
key	Event profile unique identifier.
profilename	Event profile name.
scriptsenabledcount	Number of events selected for the event profile.
scriptsdiscabledcount	Number of disabled scripts associated with the event profile.
createdby	Username of person that created this event profile. If the event profile is auto-generated, createdby is set to Service Now .
description	Brief description of the event profile.
isdefault	If true , then this is the default event profile in Service Now.

Response Status Code

Message	Description
404 Not Found	Invalid device group ID specified.

Output**Example XML Output**

```
<eventprofiles size="2"
uri="/api/juniper/servicenow/event-profile-management/eventProfiles">
  <eventProfile
href="/api/juniper/servicenow/event-profile-management/eventProfiles/99066"
  uri="/api/juniper/servicenow/event-profile-management/eventProfiles/99066"
  key="99066">
    <profileName>Base_Profile_3_1R1_1</profileName>
    <scriptsEnabledCount>380</scriptsEnabledCount>
    <scriptsDisabledCount>0</scriptsDisabledCount>
    <createdBy>Service Now</createdBy>
    <description>
      Base Profile for Bundle Version: 3.1R1.1
    </description>
    <isDefault>true</isDefault>
  </eventProfile>
  <eventProfile
href="/api/juniper/servicenow/event-profile-management/eventProfiles/163857"
  uri="/api/juniper/servicenow/event-profile-management/eventProfiles/163857"
  key="163857">
    <profileName>testProfile</profileName>
    <scriptsEnabledCount>5</scriptsEnabledCount>
    <scriptsDisabledCount>375</scriptsDisabledCount>
    <createdBy>super</createdBy>
    <isDefault>false</isDefault>
  </eventProfile>
</eventprofiles>
```

Example JSON Output

```
eventprofiles:{
  size:2,
  uri:'/api/juniper/servicenow/event-profile-management/eventProfiles',
  eventprofile:[
    {
      href:'/api/juniper/servicenow/event-profile-management/eventProfiles/99066'
      uri="/api/juniper/servicenow/event-profile-management/eventProfiles/99066",
      key:99066,
      profilename:'Base_Profile_3_1R1_1',
      scriptsenabledcount:380,
      scriptsdisabledcount:0,
      createdby:'Service Now',
      description:'Base Profile for Bundle Version: 3.1R1.1',
      isdefault:'true'
    },
    {
      href:'/api/juniper/servicenow/event-profile-management/eventProfiles/163857'
      uri="/api/juniper/servicenow/event-profile-management/eventProfiles/163857",
      key:163857,
      profilename:'testProfile',
```

```
scriptsenabledcount:5,  
scriptsdiscardedcount:375,  
createdby:'super',  
isdefault:'false'  
}  
]  
}
```

**Related
Documentation**

- [Event Profile Management REST API Overview on page 75](#)
- [Get Event Profile By Profile ID on page 78](#)
- [Install Event Profile On Devices on page 82](#)
- [Uninstall Event Profiles on page 72](#)

Get Event Profile By Profile ID

The Get Profile By Profile ID operation returns the details of the specified event profile.

URI

`https://[host]/api/juniper/servicenow/event-profile-management/eventProfiles/{id}`
(HTTP method = GET)

URI Parameters

Parameter	Description
id	Unique identifier of the event profile to retrieve information from.

Produces

- `vnd.juniper.servicenow.event-profile-management.eventprofile+xml;version=3`
- `vnd.juniper.servicenow.event-profile-management.eventprofile+json;version=3`

Response

Element	Description
profilename	Event profile name.
scriptbundlename	Name of the script bundle from which this profile is created.
scriptbundleversion	Version number of the script bundle.
id	Unique ID of this event profile.
profileid	Unique ID of this event profile (same as the id element).
hostname	Hostname of the device on which this profile is installed.

Element	Description
size	Number of events in this profile.
name	Name of each event in this profile.
category	Category of each event in this profile.
type	Event type of each event in this profile.
subtype	Subtype of each event in this profile.
priority	Event priority.
kbarticle	Link to related KB article for that event.
briefdescription	Terse description of the event.
eventdescription	Detailed description of the event.

Response Status Code

Message	Description
404 Not Found	Invalid device group ID specified.

Output

Example XML Output

```

<eventprofile
  uri="/api/juniper/servicenow/event-profile-management/eventProfiles/163857">
  <id>163857</id>
  <profileName>testProfile</profileName>
  <scriptBundleName>jais-3.1R1.1-signed.tgz</scriptBundleName>
  <scriptBundleVersion>3.1R1.1</scriptBundleVersion>
  <method
    href="/api/juniper/servicenow/event-profile-management/eventProfiles/163857/installEventProfile"
    rel="Install Profile on Devices"/>
  <installed-devices
    uri="/api/juniper/servicenow/event-profile-management/eventProfiles/163857/installedDevices">

    <device href="/api/juniper/servicenow/device-management/devices/163840">

      <id>163840</id>
      <profileId>163857</profileId>
      <hostName>mx480-2-re0</hostName>
    </device>
    <device href="/api/juniper/servicenow/device-management/devices/163841">

      <id>163841</id>
      <profileId>163857</profileId>
      <hostName>ex-4200.50.182</hostName>
    </device>
  </installed-devices>
</eventprofile>

```

```

</device>
<device href="/api/juniper/servicenow/device-management/devices/163842">

    <id>163842</id>
    <profileId>163857</profileId>
    <hostName>mx480_ais_1.re0</hostName>
</device>
<device href="/api/juniper/servicenow/device-management/devices/163843">

    <id>163843</id>
    <profileId>163857</profileId>
    <hostName>SN-SRX1400test</hostName>
</device>
</installed-devices>
<events size="4"
uri="/api/juniper/servicenow/event-profile-management/eventProfiles/163857/events">

    <event>
        <name>ACCT_XFER_POPEN_FAIL</name>
        <category>ACCT</category>
        <type>Software Failure</type>
        <subType>Communication Error</subType>
        <priority>MED</priority>
        <KBArticle>

http://kb.juniper.net/InfoCenter/index?page=content&actp=SN&id=KB18778
        </KBArticle>
        <briefDescription>
            ACCT_XFER_POPEN_FAIL
        </briefDescription>
        <eventDescription>
            A call to the popen() function failed when the accounting statistics process
            invoked the indicated command to transfer the indicated file.
        </eventDescription>
    </event>
    <event>
        <name>CONNECTION_CHASSISD_FAIL</name>
        <category>ALARMD</category>
        <type>Software Failure</type>
        <subType>Initialization failure</subType>
        <priority>HIGH</priority>
        <KBArticle>

http://kb.juniper.net/InfoCenter/index?page=content&actp=SN&id=KB18779
        </KBArticle>
        <briefDescription>
            CONNECTION_CHASSISD_FAIL
        </briefDescription>
        <eventDescription>
            The alarm process (alarmd) was unable to connect to the chassis process
            (chassisd).
        </eventDescription>
    </event>
</events>
</eventprofile>

```

Example JSON Output

```

eventprofile:{
  uri:'/api/juniper/servicenow/event-profile-management/eventProfiles/163857',
  id:163857,
  profilename:'testProfile',
  scriptbundlename:'jais-3.1R1.1-signed.tgz',
  scriptbundleversion:'3.1R1.1',
  method:{

href:'/api/juniper/servicenow/event-profile-management/eventProfiles/163857/installEventProfile',

    rel:'Install Profile on Devices'
  },
  installed-devices:{

uri:'/api/juniper/servicenow/event-profile-management/eventProfiles/163857/installedDevices',

    device:[
      {
        href:'/api/juniper/servicenow/device-management/devices/163840',
        id:163840,
        profileid:163857,
        hostname:'mx480-2-re0'
      },
      {
        href:'/api/juniper/servicenow/device-management/devices/163841',
        id:163841,
        profileid:163857,
        hostname:'ex-4200.50.182'
      },
      {
        href:'/api/juniper/servicenow/device-management/devices/163842',
        id:163842,
        profileid:163857,
        hostname:'mx480_ais_1.re0'
      },
      {
        href:'/api/juniper/servicenow/device-management/devices/163843',
        id:163843,
        profileid:163857,
        hostname:'SN-SRX1400test'
      }
    ]
  },
  events:{
    size:4,

uri:'/api/juniper/servicenow/event-profile-management/eventProfiles/163857/events',

    event:[
      {
        name:'ACCT_XFER_POPEN_FAIL',
        category:'ACCT',
        type:'Software Failure',
        subtype:'Communication Error',
        priority:'MED',

```

- Related Documentation**
- [Event Profile Management REST API Overview on page 75](#)
 - [Get All Event Profiles on page 76](#)
 - [Install Event Profile On Devices on page 82](#)
 - [Uninstall Event Profiles on page 72](#)

Install Event Profile On Devices

The Install Event Profile On Devices operation installs an event profile on a Juniper Networks device. The event scripts are installed on the devices and provide the information needed to automatically detect and report problem (incident) and information events, thus ensuring maximum network uptime.

An event profile is a set of event scripts that are selected from an AI-Script bundle. When you install an event profile on Juniper Networks devices, the event scripts are installed on the devices and provide the information needed to automatically detect and report problem (incident) and information events, thus ensuring maximum network uptime. Service Now uses Device Management Interface (DMI) to install and uninstall AI-Scripts on devices. DMI is an extension to the NETCONF network management protocol.

URI

`https://[host]/api/juniper/servicenow/event-profile-management/eventProfiles/{id}/installEventProfile?queue=https://[host]/api/hornet-q/queues/jms.queue.[QueueName]` (HTTP method = POST)

URI Parameters

Parameter	Description
id	Unique identifier of the event profile.

Example Input

Example XML Input

```
<installeventprofile>
  <devices>
    <device href="/api/juniper/servicenow/device-management/devices/163840"/>
    <device href="/api/juniper/servicenow/device-management/devices/163841"/>
  </devices>
  <neverStoreScriptBundle>false</neverStoreScriptBundle>
  <removeScriptBundle>false</removeScriptBundle>
</installeventprofile>
```

Example JSON Input

```
installeventprofile:{
  devices:{
    device:[
      {
        href:'/api/juniper/servicenow/device-management/devices/163840'
      },
      {
        href:'/api/juniper/servicenow/device-management/devices/163841'
```



```

    }
  ]
},
neverstorescriptbundle:'false',
removescriptbundle:'false'
}

```

Input Parameters

Message	Description
neverstorescriptbundle	Defines whether to store the script bundle on the device. Valid values are true or false .
removescriptbundle	Defines whether to remove the script bundle files after a successful install. Valid values are true or false .

Consumes

- vnd.juniper.servicenow.event-profile-management.installeventprofile+xml;version=1;charset=UTF-8 for XML request
- vnd.juniper.servicenow.event-profile-management.installeventprofile+json;version=1;charset=UTF-8 for JSON request

Produces

- vnd.juniper.servicenow.event-profile-management.eventprofiles+xml;version=1 for XML requests
- vnd.juniper.servicenow.event-profile-management.eventprofiles+json;version=1 for JSON requests

Response Status Code

Message	Description
404 Not Found	Invalid device ID or the event profile does not exist.
500 Internal Server Error	Device not associated with any device group, tried to install event profile on a connected member device, or tried to install event profile on a fabric node.

Output

Example XML Output

```

<task href="/api/juniper/job-management/jobs/2129990">
  <id>2129990</id>
</task>

```

Example JSON Output

```

task:{
  href:'/api/juniper/job-management/jobs/2129990',
  id:2129990
}

```

**Related
Documentation**

- [Event Profile Management REST API Overview on page 75](#)
- [Get All Event Profiles on page 76](#)
- [Get Event Profile By Profile ID on page 78](#)
- [Uninstall Event Profiles on page 72](#)

CHAPTER 6

Incident Management REST APIs

- [Incident Management Overview on page 85](#)
- [Get All Incidents in Service Now on page 86](#)
- [Get Incident by Incident ID on page 89](#)
- [Get Incident By Customer Tracking Number on page 93](#)
- [Delete Incident By Incident ID on page 96](#)
- [Export JMB on page 97](#)
- [Save a Case on page 98](#)
- [Submit a Case on page 102](#)

Incident Management Overview

In Service Now, incidents are problem events that are detected on a device. When an incident, such as a process crash, an ASIC error, or a fan failure, occurs on an AI-Scripts-enabled device, the AI-Script builds a JMB file with the incident data and forwards it to the Junos Space server. AI-Scripts create files called Juniper Message Bundles (JMBs). A JMB file is an XML file that contains diagnostic information about the device and other information specific to the condition that triggered the event message. The incident contains information such as hostname, time stamp of the incident, synopsis, description, chassis serial number of the device, and the severity and priority of the incident.

Using the incident management REST APIs, you can:

- Retrieve all incidents reported in Service Now
- Retrieve information about a specific incident
- Delete incidents
- Retrieve technical support cases

The **/api/juniper/servicenow/incident-management** resource is available under [https://\[host\]/api/juniper/servicenow](https://[host]/api/juniper/servicenow).

URI

[https://\[host\]/api/juniper/servicenow/incident-management](https://[host]/api/juniper/servicenow/incident-management) (HTTP method = GET)

Produces

- vnd.juniper.servicenow.incident-management+xml;version=1
- vnd.juniper.servicenow.incident-management+json;version=

Output**Example XML Output**

```
<servicenow-incident-management>
  <collection href="/api/juniper/servicenow/incident-management/incidents"
rel="incidents"/>
</servicenow-incident-management>
```

Example JSON Output

```
{
  "servicenow-incident-management":{
    "collection":{
      "@href":"/api/juniper/servicenow/incident-management/incidents",
      "@rel":"incidents"
    }
  }
}
```

**Related
Documentation**

- [Get All Incidents in Service Now on page 86](#)
- [Get Incident by Incident ID on page 89](#)
- [Get Incident By Customer Tracking Number on page 93](#)
- [Delete Incident By Incident ID on page 96](#)
- [Export JMB on page 97](#)
- [Save a Case on page 98](#)
- [Submit a Case on page 102](#)

Get All Incidents in Service Now

The Get All Incidents in Service Now operation retrieves all incidents chronologically by organization name and device group.

URI

`https://[host]/api/juniper/servicenow/incident-management/incidents` (HTTP method = GET)

URI Parameters

None.

Produces

- vnd.juniper.servicenow.incident-management.incidents+xml;version=1
- vnd.juniper.servicenow.incident-management.incidents+json;version=1

Response

Element	Description
key	Unique key to identify the incident.
organizationname	Name of the organization to which this incident is assigned.
devicegroupname	Name of the device group to which this incident is assigned.
priority	Incident priority.
defecttype	Type of defect on the event that triggered this incident.
incidenttype	Incident type. Values are: <ul style="list-style-type: none"> • Event • On-demand
hostname	Device hostname.
product	Product of the device on which this incident occurred.
status	Status of this incident.
customertrackingnumber	Unique number provided when creating a case or submitting a case.
occurred	Date the incident was reported.

Response Status Code

Message	Description
204 No Content	No incidents found.

Output**Example XML Output**

```
<incidents size="2" uri="/api/juniper/servicenow/incident-management/incidents">
  <incident key="2588673"
    uri="/api/juniper/servicenow/incident-management/incidents/2588673"
    href="/api/juniper/servicenow/incident-management/incidents/2588673">
    <organizationName>TestOrg</organizationName>
    <deviceGroupName>TestDG</deviceGroupName>
    <priority>Critical</priority>
    <defectType/>
    <incidentType>On-demand</incidentType>
    <hostName>SRX1400-b</hostName>
    <product>SRX1400</product>
    <status>Updated, 2012-0328-0560</status>
    <customerTrackingNumber>abcdefgh1234</customerTrackingNumber>
    <occured>2012-03-27 07:24:47 IST</occured>
```

```
</incident>
<incident key="2523142"
uri="/api/juniper/servicenow/incident-management/incidents/2523142"
href="/api/juniper/servicenow/incident-management/incidents/2523142">
  <organizationName>TestOrg</organizationName>
  <deviceGroupName>TestDG</deviceGroupName>
  <priority>Critical</priority>
  <defectType>Invalid slot</defectType>
  <incidentType>Event</incidentType>
  <hostName>SRX1400-b</hostName>
  <product>SRX1400</product>
  <status>Closed, 2012-0326-0458</status>
  <customerTrackingNumber>abcd0-1234</customerTrackingNumber>
  <occured>2012-03-26 17:59:30 IST</occured>
</incident>
</incidents>
```

Example JSON Output

```
{
  "incidents":{
    "@size":"2",
    "@uri":"/api/juniper/servicenow/incident-management/incidents",
    "incident":[
      {
        "@key":"2523139",
        "@uri":"/api/juniper/servicenow/incident-management/incidents/2523139",
        "@href":"/api/juniper/servicenow/incident-management/incidents/2523139",
        "organizationName":"TestOrg",
        "deviceGroupName":"TestDG",
        "priority":"Medium",
        "defectType":"CFEB Failure",
        "incidentType":"Event",
        "hostName":"SRX1400-b",
        "product":"SRX1400",
        "status":"Closed, 2012-0326-0446",
        "customerTrackingNumber":"abcd-1234",
        "occured":"2012-03-26 17:56:30 IST"
      },
      {
        "@key":"2523137",
        "@uri":"/api/juniper/servicenow/incident-management/incidents/2523137",
        "@href":"/api/juniper/servicenow/incident-management/incidents/2523137",
        "organizationName":"TestOrg",
        "deviceGroupName":"TestDG",
        "priority":"High",
        "defectType":"File system error",
        "incidentType":"Event",
        "hostName":"SRX1400-b",
        "product":"SRX1400",
        "status":"Closed, 2012-0326-0440",
        "occured":"2012-03-26 17:53:36 IST"
      }
    ]
  }
}
```

Related Documentation

- [Incident Management Overview on page 85](#)
- [Get Incident by Incident ID on page 89](#)
- [Get Incident By Customer Tracking Number on page 93](#)
- [Delete Incident By Incident ID on page 96](#)
- [Export JMB on page 97](#)
- [Save a Case on page 98](#)
- [Submit a Case on page 102](#)

Get Incident by Incident ID

The Get Incident by Incident ID operation retrieves information about the specified incident.

URI

`https://[host]/api/juniper/servicenow/incident-management/incidents/{id}` (HTTP method = GET)

URI Parameters

Parameter	Description
id	Incident unique identifier number.

Produces

- `application/vnd.juniper.servicenow.incident-management.incident+xml;version=3`
- `application/vnd.juniper.servicenow.incident-management.incident+json;version=3`

Response

Element	Description
id	Unique key to identify the incident.
status	Incident status.
eventtype	
defecttype	Type of defect on the event that triggered this incident.
problemsynopsis	Brief description of the incident.
casecreationusername	Username of the person who submitted this case.
siteid	JSS site identifier number.

Element	Description
followupmethod	Indicates how the case is to be followed.

Response Status Code

Message	Description
404 Not Found	Invalid incident ID, incident not found.

Output

Example XML Output

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<incident uri="/api/juniper/servicenow/incident-management/incidents/2719755/">
<id>2719755</id>
<status>Submitted</status>
<eventType>Software Failure</eventType>
<defectType>Daemon Crash</defectType>
<problemSynopsis>Daemon Crash - pppd</problemSynopsis>
<incidentType>Event</incidentType>
<priority>High</priority>
<severity>High</severity>
<policy>None</policy>
<autoSubmitted>NO</autoSubmitted>
<filterLevel>None</filterLevel>
<problemDescription>Event message: Core and context for pppd saved in
/var/tmp/pppd.core-tarball.4.tgz.
Event description: A crash was reported for the daemon process: pppd.
Next Steps: See related KB note for more information and recommended action:
http://kb.juniper.net/KB18867</problemDescription>
<occurred>2013-04-28 18:42:07 IST</occurred>
<prbIdentifier>SN-MX80-E4008-20130502-125746-94</prbIdentifier>
<KBArticle>http://kb.juniper.net/InfoCenter/index?page=content&amp;act=SN&amp;id=KB18867</KBArticle>
<deleteCoreFiles>>false</deleteCoreFiles>
<coreFiles>
<coreFile>
<fileName>/var/tmp/snmpd.core-tarball.1.tgz</fileName>
<fileSize>1412592</fileSize>
<process>snmpd</process>
<detail>#0 0x0a34c818 in select () from /usr/lib/libc.so.6
#0 0x0a34c818 in select () from /usr/lib/libc.so.6
#1 0x0a2b28a0 in pselect () from /usr/lib/libc.so.6
#2 0x09915170 in __evGetNext () from /usr/lib/libisc.so.2
#3 0x09915728 in __evMainLoopSync () from /usr/lib/libisc.so.2
#4 0x099157d8 in __evMainLoopSyncSighdl () from /usr/lib/libisc.so.2
#5 0x0182922c in main ()</detail>
<binaryData>SNMPD release 12.3X51-D10.2 built by builder on 2013-02-26 17:49:26 UTC

manooth.juniper.net/volume/build/junos/12.3/service/12.3X51-D10.2/obj-powerpc/junos/usr/sbin/snmpd

LD-ELF.SO.1 release 12.3X51-D10.2 built by builder on 2013-02-26 15:14:55 UTC

manooth.juniper.net/volume/build/junos/12.3/service/12.3X51-D10.2/obj-powerpc/bsd/libexec/tid-elf</binaryData>
```



```

<buildDate>null</buildDate>
<uploadStatus>New</uploadStatus>
</coreFile>
<coreFile>
<fileName>/var/tmp/pppd.core-tarball.4.tgz</fileName>
<fileSize>128963</fileSize>
<process>pppd</process>
<detail>
  #0 0x81d6db48 in select () from /usr/lib/libc.so.6
  #0 0x81d6db48 in select () from /usr/lib/libc.so.6
  #1 0x81cd5c50 in pselect () from /usr/lib/libc.so.6
  #2 0x81bd3c38 in __evGetNext () from /usr/lib/libisc.so.2
  #3 0x81bd42c0 in __evMainLoop () from /usr/lib/libisc.so.2
  #4 0x0181449c in main ()
</detail>
<binaryData>
  PPPD release 11.4R6.3 built by builder on 2012-11-16 08:25:28 UTC

```

evenath.juniper.net:/volume/build/junos/11.4/release/11.4R6.3/obj-powerpc/junos/usr/sbin/pppd

LD-ELF.SO.1 release 11.4R6.3 built by builder on 2012-11-16 08:04:07 UTC

evenath.juniper.net:/volume/build/junos/11.4/release/11.4R6.3/obj-powerpc/bsd/libexec/rtdld-elf

```

</binaryData>
<buildDate>null</buildDate>
<uploadStatus>New</uploadStatus>
</coreFile>
</coreFiles>
<device href="/api/juniper/servicenow/device-management/devices/2162702">
<id>2162702</id>
<serialNumber>E4008</serialNumber>
<ipAddr>10.205.50.196</ipAddr>
<product>MX80-48T</product>
<platform>junos</platform>
<hostName>SN-MX80</hostName>
<release>11.4R6.3</release>
<version>R6</version>
</device>
<method
href="/api/juniper/servicenow/incident-management/incidents/2719755/saveCase"
rel="Save case"/>
<method
href="/api/juniper/servicenow/incident-management/incidents/2719755/submitCase"
rel="Submit case"/>
<method
href="/api/juniper/servicenow/incident-management/incidents/2719755/exportJMB"
rel="Export JMB to HTML or XML"/>
</incident>

```

Example JSON Output

```

{
  "incident": {
    "@uri": "/api/juniper/servicenow/incident-management/incidents/2719755/",
    "id": 2719755,
    "status": "Submitted",
    "eventType": "Software Failure",
    "defectType": "Daemon Crash",

```

```

"problemSynopsis": "Daemon Crash - pppd",
"incidentType": "Event",
"priority": "High",
"severity": "High",
"policy": "None",
"autoSubmitted": "NO",
"filterLevel": "None",
"problemDescription": "Event message: Core and context for pppd saved in
/var/tmp/pppd.core-tarball.4.tgz.\n\nEvent description: A crash was reported for the
daemon process: pppd.\n\nNext Steps: See related KB note for more information and
recommended action:
"http://kb.juniper.net/KB18867",
"occurred": "2013-04-28 18:42:07 IST",
"prbIdentifier": "SN-MX80-E4008-20130502-125746-94",
"KBArticle":
"http://kb.juniper.net/InfoCenter/index?page=content&actp=SN&id=KB18867",
"deleteCoreFiles": false,
"coreFiles": {
"coreFile": [
{
"fileName": "/var/tmp/snmpd.core-tarball.1.tgz",
"fileSize": 1412592,
"process": "snmpd",
"detail": "#0 0x0a34c818 in select () from /usr/lib/libc.so.6\n#0 0x0a34c818 in
select () from /usr/lib/libc.so.6\n#1 0x0a2b28a0 in pselect () from /usr/lib/libc.so.6\n#2
0x09915170 in __evGetNext () from /usr/lib/libisc.so.2\n#3 0x09915728 in
__evMainLoopSync () from /usr/lib/libisc.so.2\n#4 0x099157d8 in
__evMainLoopSyncSigHdl () from /usr/lib/libisc.so.2\n#5 0x0182922c in main ()",
"binaryData": "SNMPD release 12.3X51-D10.2 built by builder on 2013-02-26 17:49:26

UTC\\nmanooth\\juniper.net\\volume\\build\\junos\\12.3\\service\\12.3X51-D10.2\\obj-powerpc\\junos\\usr\\bin\\snmpd\\nLD-ELF\\SOI
release 12.3X51-D10.2 built by builder on 2013-02-26 15:14:55
UTC\\nmanooth\\juniper.net\\volume\\build\\junos\\12.3\\service\\12.3X51-D10.2\\obj-powerpc\\bsd\\libexec\\rtd-elf",

"buildDate": "null",
"uploadStatus": "New"
},
{
"fileName": "/var/tmp/pppd.core-tarball.4.tgz",
"fileSize": 128963,
"process": "pppd",
"detail": "\n#0 0x81d6db48 in select () from /usr/lib/libc.so.6\n#0 0x81d6db48
in select () from /usr/lib/libc.so.6\n#1 0x81cd5c50 in pselect () from
/usr/lib/libc.so.6\n#2 0x81bd3c38 in __evGetNext () from /usr/lib/libisc.so.2\n#3
0x81bd42c0 in __evMainLoop () from /usr/lib/libisc.so.2\n#4 0x0181449c in main ()\n",

"binaryData": "\nPPPD release 11.4R6.3 built by builder on 2012-11-16 08:25:28
UTC\\nvenath\\juniper.net\\volume\\build\\junos\\11.4\\release\\11.4R6.3\\obj-powerpc\\junos\\usr\\bin\\pppd\\nLD-ELF\\SOI
release 11.4R6.3 built by builder on 2012-11-16 08:04:07
UTC\\nvenath\\juniper.net\\volume\\build\\junos\\11.4\\release\\11.4R6.3\\obj-powerpc\\bsd\\libexec\\rtd-elf\n",

"buildDate": "null",
"uploadStatus": "New"
}
]
},

```

```
"device": {
  "@href": "/api/juniper/servicenow/device-management/devices/2162702",
  "id": 2162702,
  "serialNumber": "E4008",
  "ipAddr": "10.205.50.196",
  "product": "MX80-48T",
  "platform": "junos",
  "hostName": "SN-MX80",
  "release": "11.4R6.3",
  "version": "R6"
},
"method": [
  {
    "@href":
"/api/juniper/servicenow/incident-management/incidents/2719755/saveCase",
    "@rel": "Save case"
  },
  {
    "@href":
"/api/juniper/servicenow/incident-management/incidents/2719755/submitCase",
    "@rel": "Submit case"
  },
  {
    "@href":
"/api/juniper/servicenow/incident-management/incidents/2719755/exportJMB",
    "@rel": "Export JMB to HTML or XML"
  }
]
}
```

**Related
Documentation**

- [Incident Management Overview on page 85](#)
- [Get All Incidents in Service Now on page 86](#)
- [Get Incident By Customer Tracking Number on page 93](#)
- [Delete Incident By Incident ID on page 96](#)
- [Export JMB on page 97](#)
- [Save a Case on page 98](#)
- [Submit a Case on page 102](#)

Get Incident By Customer Tracking Number

Incidents are problem events that are detected in a device and deposited into an archive location on the Junos Space platform. You can retrieve incidents by specifying the customer tracking number.

URI

`https://[host]/api/juniper/servicenow/incident-management/incidents?
filter=(customerTrackingNumber eq [ctn])` (HTTP method = GET)

URI Parameters

Parameter	Description
ctn	customer unique identifier number.

Example URL

https://[host]/api/juniper/servicenow/incident-management/incidents?
filter=(customerTrackingNumber eq 'abcdef1234')

Produces

- vnd.juniper.servicenow.incident-management.incidents+xml;version=1
- vnd.juniper.servicenow.incident-management.incidents+json;version=1

Response

Element	Description
organizationname	Organization to which this incident is associated with.
deviceGroupName	Device group name.
priority	Incident priority.
defectType	Type of event defect that triggered this incident.
incidenttype	Incident type. Values are: <ul style="list-style-type: none"> • Event • On-demand
hostname	Device hostname.
product	Product of the device on which this incident occurred.
status	Status of this incident.
customertrackingnumber	Unique number provided when creating a case or submitting a case.
occurred	Date the incident was reported.

Response Status Code

Message	Description
404 Not Found	Invalid customer number, customer information not found.

Output**Example XML Output**

```
<incidents size="1" uri="/api/juniper/servicenow/incident-management/incidents">
  <incident key="589897"
    uri="/api/juniper/servicenow/incident-management/incidents/589897"
    href="/api/juniper/servicenow/incident-management/incidents/589897">
    <organizationName>TestOrg</organizationName>
    <deviceGroupName>TestDG</deviceGroupName>
    <priority>High</priority>
    <defectType>Invalid slot</defectType>
    <incidentType>Event</incidentType>
    <hostName>SRX1400-a</hostName>
    <product>SRX1400</product>
    <status>Closed, 2012-0326-0334</status>
    <customerTrackingNumber>abcdef1234</customerTrackingNumber>
    <occured>2012-03-06 16:41:13 IST</occured>
  </incident>
</incidents>
```

Example JSON Output

```
{
  "incidents":{
    "@size":"1",
    "@uri":"/api/juniper/servicenow/incident-management/incidents",
    "incident":{
      "@key":"589897",
      "@uri":"/api/juniper/servicenow/incident-management/incidents/589897",
      "@href":"/api/juniper/servicenow/incident-management/incidents/589897",
      "organizationName":"TestOrg",
      "deviceGroupName":"TestDG",
      "priority":"High",
      "defectType":"Invalid slot",
      "incidentType":"Event",
      "hostName":"SRX1400-a",
      "product":"SRX1400",
      "status":"Closed, 2012-0326-0334",
      "customerTrackingNumber":"abcdef1234",
      "occured":"2012-03-06 16:41:13 IST"
    }
  }
}
```

Related Documentation

- [Incident Management Overview on page 85](#)
- [Get All Incidents in Service Now on page 86](#)
- [Get Incident by Incident ID on page 89](#)
- [Delete Incident By Incident ID on page 96](#)
- [Export JMB on page 97](#)
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Delete Incident By Incident ID

After reviewing the incident information, you can use the Delete Incident by Incident ID operation to delete incidents from Service Now. This action deletes the incident both from the Service Now database and from the Incidents table.

URI

`https://[host]/api/juniper/servicenow/incident-management/incidents/{id}` (HTTP method = DELETE)

URI Parameters

Parameter	Description
id	Incident unique identifier number.

Produces

- `vnd.juniper.servicenow.incident-management.servicenowmsg+xml;version=1`
- `vnd.juniper.servicenow.incident-management.servicenowmsg+json;version=1`

Response Status Code

Message	Description
404 Not Found	Invalid incident number, incident not found.

Example XML Output

```
<servicenowmsg>
  <msg> Incident successfully deleted</msg>
</servicenowmsg>
```

Example JSON Output

```
{
  "servicenowmsg":{
    "msg":" Incident successfully deleted"
  }
}
```

Related Documentation

- [Incident Management Overview on page 85](#)
- [Get All Incidents in Service Now on page 86](#)
- [Get Incident by Incident ID on page 89](#)
- [Get Incident By Customer Tracking Number on page 93](#)
- [Export JMB on page 97](#)
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Export JMB

You can export incident data into HTML and XML file formats and share it on your local file system.

URI

`https://[host]/api/juniper/servicenow/incident-management/incidents/{id}/exportJMB?type={type}&content={content}` (HTTP method = GET)

URI Parameters

Parameter	Description
id	Incident unique identifier.
type	Valid values are: <ul style="list-style-type: none">• xml• html If type is not specified, JMB is exported in XML format.
content	Valid values are: <ul style="list-style-type: none">• original• filtered If content is not specified, JMB is exported with the original unfiltered content.

Produces

application/octet-stream

Response Status Code

Message	Description
404 Not Found	Invalid incident ID, incident not found.

Related Documentation

- [Incident Management Overview on page 85](#)
- [Get All Incidents in Service Now on page 86](#)
- [Get Incident by Incident ID on page 89](#)
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Save a Case

For any incident in Service Now, you can modify submit case settings such as the case priority and the e-mail list associated with a case. Once modified, use the Save a Case API to save the case to the Case Manager.

URI

`https://[host]/api/juniper/servicenow/incident-management/incidents/{id}/saveCase`
(HTTP method = POST)

URI Parameters

Parameter	Description
id	Customer case unique identifier number.

Example XML Input

```
<incident>
  <siteId>CJ18841</siteId>
  <caseCreationUserName>pvsuser@pvsuser1.net</caseCreationUserName>
  <caseCreationPassword>Y2syM2lyNzQ=</caseCreationPassword>
  <customerTrackingNumber>ck23b274</customerTrackingNumber>
  <priority>Critical</priority>
  <followUpMethod>Email Full Text Update</followUpMethod>
  <synopsisComments>
    These are my synopsis comments here
  </synopsisComments>
  <customerComments>
    These are my customer comments here
  </customerComments>
  <caseCCList>
    <email>biruk@mycompany.com</email>
    <email>apathodia@mycompany.com</email>
  </caseCCList>
  <addressGroup
href="/api/juniper/servicenow/address-group-management/addressGroups/11501570"/>
  <coreFiles>
    <coreFile>
      <fileName>/var/tmp/snmpd.core-tarball.1.tgz</fileName>
    </coreFile>
  </coreFiles>
  <deleteCoreFiles>true</deleteCoreFiles>
</incident>
```

Sample XML Input(End Customer Address Group in input)

```
<incident>
  <siteId>CJ18841</siteId>
  <caseCreationUserName>pvsuser@pvsuser1.net</caseCreationUserName>
  <caseCreationPassword>Y2syM2lyNzQ=</caseCreationPassword>
  <customerTrackingNumber>ck23b274</customerTrackingNumber>
  <priority>Critical</priority>
  <followUpMethod>Email Full Text Update</followUpMethod>
  <synopsisComments>
    These are my synopsis comments here
```



```

</synopsisComments>
<customerComments>
  These are my customer comments here
</customerComments>
<caseCCList>
  <email>biruk@juniper.net</email>
  <email>apathodia@juniper.net</email>
</caseCCList>
<endCustomerAddressGroup
href="/api/juniper/servicenow/address-group-management/endCustomerAddressGroups/
20000002"/>
</incident>

```

Example JSON Input

```

{
  "incident":{
    "siteId":"CJ18841",
    "caseCreationUserName":"pvsuser@pvsuser1.net",
    "caseCreationPassword":"Y2syM2IyNzQ=",
    "customerTrackingNumber":"ck23b274",
    "priority":"Critical",
    "followUpMethod":"Email Full Text Update",
    "synopsisComments":"These are my synopsis comments here",
    "customerComments":"These are my customer comments here",
    "caseCCList":{
      "email":[
        "biruk@juniper.net",
        "apathodia@juniper.net"
      ]
    }
  }
  "addressGroup": { "@href":
"/api/juniper/servicenow/address-group-management/addressGroups/11501570" }
}

```

**Sample JSON Input
(End Customer
Address Group in
input)**

```

{
  "incident": {
    "siteId": "CJ18841",
    "caseCreationUserName": "pvsuser@pvsuser1.net",
    "caseCreationPassword": "Y2syM2IyNzQ=",
    "customerTrackingNumber": "ck23b274",
    "priority": "Critical",
    "followUpMethod": "Email Full Text Update",
    "synopsisComments": "These are my synopsis comments here",
    "customerComments": "These are my customer comments here",
    "caseCCList": {
      "email": [
        "biruk@juniper.net",
        "apathodia@juniper.net"
      ]
    },
    "endCustomeraddressGroup": { "@href":
"/api/juniper/servicenow/address-group-management/endCustomerAddressGroups/11501570"
  }
}

```

Consumes

- vnd.juniper.servicenow.incident-management.incident+xml;version=3;charset=UTF-8
- vnd.juniper.servicenow.incident-management.incident+json;version=3;charset=UTF-8

Produces

- application/vnd.juniper.servicenow.incident-management.servicenowmsg+xml;version=3
- application/vnd.juniper.servicenow.incident-management.servicenowmsg+json;version=3

Additional Information

Please note the following when providing input to save a case or submit a case.

- If Service Now is in **Partner Mode** or **Direct Mode**:
 - The **siteld** field is mandatory.
 - If **caseCreationUserName** is provided as an input then **caseCreationPassword** is mandatory.
 - If **caseCreationPassword** is provided as an input then **caseCreationUserName** is mandatory.
 - If **caseCreationPassword** is provided as an input then it should be **Base64** encrypted.
 - If **customerTrackingNumber** is provided as an input then it should be unique.
 - If **followUpMethod** is provided as an input then the following information must also be provided:
 - **Email Full Text Update**
 - **Email Secure Web Link**
 - **Phone Call**
- If Service Now is in **End Customer Mode**:
 - **siteld** is not required and will be discarded if provided as an input.
 - **caseCreationUserName** is not required and will be discarded if provided as an input.
 - **caseCreationPassword** is not required and will be discarded if provided as an input.
 - **customerTrackingNumber** is not required and will be discarded if provided as an input.
 - **followUpMethod** is not required and will be discarded if provided as an input.
- For **RMA Incidents**:
 - Address group is optional
 - If Service Now is running in Partner Mode:
 - The partner can override the address group specified.

- You can specify an end customer address group, only if the device is associated to that address group.
- If provided as an input, the valid **priority** values (case insensitive) are:
 - **Critical**
 - **High**
 - **Medium**
 - **Low**

Response Status Code

Message	Description
500 Internal Server Error	One of the following: <ul style="list-style-type: none">• Cases cannot be saved or submitted because Service Now is in offline mode• An incident with the same customer tracking number already exists.
404 Not Found	Invalid incident ID, incident not found
400 Bad Request	One of the following: <ul style="list-style-type: none">• The case cannot be saved because the case has already been submitted or closed.• Site ID is mandatory and has not been specified.• Username and password both are required.• Invalid followUpMethod.• Invalid priority.• Invalid email address.• Device is not associated to the end customer address group

Output

Example XML Output

```
<servicenowmsg>
<msg Case saved successfully</msg>
</servicenowmsg>
```

Example JSON Output

```
{
  "servicenowmsg":{
    "msg":" Case saved successfully"
  }
}
```

- Related Documentation
- [Incident Management Overview on page 85](#)
 - [Get All Incidents in Service Now on page 86](#)
 - [Get Incident by Incident ID on page 89](#)
 - [Get Incident By Customer Tracking Number on page 93](#)

- [Delete Incident By Incident ID on page 96](#)
- [Export JMB on page 97](#)
- [Submit a Case on page 102](#)

Submit a Case

After reviewing an incident, you can use the Submit a Case operation to submit an incident case to the Juniper Support Systems (JSS) to create a Juniper Technical Assistance Center (JTAC) case.

URI

`https://[host]/api/juniper/servicenow/incident-management/incidents/{id}/submitCase`
(HTTP method = POST)

URI Parameters

Parameter	Description
id	Incident unique identifier number.

Example XML Input Using Address Group

```
<incident>
  <siteId>CJ18841</siteId>
  <caseCreationUserName>pvsuser@pvsuser1.net</caseCreationUserName>
  <caseCreationPassword>Y2syM2lyNzQ=</caseCreationPassword>
  <customerTrackingNumber>ck23b274</customerTrackingNumber>
  <priority>Critical</priority>
  <followUpMethod>Email Full Text Update</followUpMethod>
  <synopsisComments>
    These are my synopsis comments here
  </synopsisComments>
  <customerComments>
    These are my customer comments here
  </customerComments>
  <caseCCList>
    <email>biruk@juniper.net</email>
    <email>apathodia@juniper.net</email>
  </caseCCList>
  <addressGroup
href="/api/juniper/servicenow/address-group-management/addressGroups/11501570"/>
  <coreFiles>
    <coreFile>
      <fileName>/var/tmp/snmpd.core-tarball.1.tgz</fileName>
    </coreFile>
  </coreFiles>
  <deleteCoreFiles>true</deleteCoreFiles>
</incident>
```

Example XML Input Using End-Customer Address Group

```
<incident>
  <siteId>CJ18841</siteId>
  <caseCreationUserName>pvsuser@pvsuser1.net</caseCreationUserName>
```

```

<caseCreationPassword>Y2syM2lyNzQ=
```

```

</caseCreationPassword>
<customerTrackingNumber>ck23b274
```

```

</customerTrackingNumber>
<priority>Critical
```

```

</priority>
<followUpMethod>Email Full Text Update
```

```

</followUpMethod>
<synopsisComments>
```

```

  These are my synopsis comments here
```

```

</synopsisComments>
<customerComments>
```

```

  These are my customer comments here
```

```

</customerComments>
<caseCCList>
```

```

  <email>biruk@juniper.net
```

```

  </email>
  <email>apathodia@juniper.net
```

```

  </email>
</caseCCList>
```

```

<endCustomerAddressGroup
```

```

href="/api/juniper/servicenow/address-group-management/endCustomerAddressGroups/
20000002"/>
```

```

</incident>
```

Example JSON Input Using Address Group

```

{
  "incident": {
    "siteId": "CJ18841",
    "caseCreationUserName": "pvsuser@pvsuser1.net",
    "caseCreationPassword": "Y2syM2lyNzQ=",
    "customerTrackingNumber": "ck23b274",
    "priority": "Critical",
    "followUpMethod": "Email Full Text Update",
    "synopsisComments": "These are my synopsis comments here",
    "customerComments": "These are my customer comments here",
    "caseCCList": {
      "email": [
        "biruk@juniper.net",
        "apathodia@juniper.net"
      ]
    }
  },
  "addressGroup": { "@href":
"/api/juniper/servicenow/address-group-management/addressGroups/11501570" }
}
"coreFiles": {
  "coreFile": [
    {
      "fileName": "/var/tmp/snmpd.core-tarball.1.tgz"
    }
  ]
}
}
```

Example JSON Input Using End-Customer Address Group

```

{
  "incident": {
    "siteId": "CJ18841",
    "caseCreationUserName": "pvsuser@pvsuser1.net",
    "caseCreationPassword": "Y2syM2lyNzQ=",
    "customerTrackingNumber": "ck23b274",
    "priority": "Critical",
    "followUpMethod": "Email Full Text Update",
```

```
"synopsisComments": "These are my synopsis comments here",
"customerComments": "These are my customer comments here",
"caseCCList": {
  "email": [
    "biruk@juniper.net",
    "apathodia@juniper.net"
  ]
},
"endCustomeraddressGroup": { "@href":
"/api/juniper/servicenow/address-group-management/endCustomerAddressGroups/11501570"
}
}
}
```

Consumes

- vnd.juniper.servicenow.incident-management.incident+xml;version=3;charset=UTF-8
- vnd.juniper.servicenow.incident-management.incident+json;version=3;charset=UTF-8

Produces

- vnd.juniper.servicenow.incident-management.submitcase.servicenowmsg+xml;version=3
- vnd.juniper.servicenow.incident-management.submitcase.servicenowmsg+json;version=3

Additional Information

Please note the following when providing input to save a case or submit a case.

- If Service Now is in **Partner Mode** or **Direct Mode**:
 - The **siteld** field is mandatory.
 - If **caseCreationUserName** is provided as an input then **caseCreationPassword** is mandatory. **caseCreationPassword** should be base 64 encoded.
 - If **caseCreationPassword** is provided as an input then **caseCreationUserName** is mandatory. **caseCreationPassword** should be base 64 encoded.
 - If **customerTrackingNumber** is provided as an input then it should be unique.
 - If **followUpMethod** is provided as an input the following information must also be provided:
 - Email Full Text Update
 - Email Secure Web Link
 - Phone Call
- If Service Now is in **End Customer Mode**:
 - **siteld** is not required and will be discarded if provided as an input.
 - **caseCreationUserName** is not required and will be discarded if provided as an input.
 - **caseCreationPassword** is not required and will be discarded if provided as an input.

- **customerTrackingNumber** is not required and will be discarded if provided as an input.
- **followUpMethod** is not required and will be discarded if provided as an input.
- For RMA incidents:
 - Address group is not required.
 - When Service Now is running in partner mode:
 - The partner can override the address group specified.
 - You can specify an end-customer address group only if the device is associated to that address group
- If provided as an input, the valid **priority** values (case insensitive) are:
 - **Critical**
 - **High**
 - **Medium**
 - **Low**

Response

Element	Description
key	Case unique identifier number.

Response Status Code

Message	Description
404 Not Found	Invalid incident ID.
400 Bad Request	One of the following: <ul style="list-style-type: none"> • The case cannot be submitted because the case have already been submitted or closed. • Site ID is required but is not specified. • Username and password are both required. One or both is not specified. • Invalid follow-up method. • Invalid priority. • Invalid email ID. • The device is not associated to the end customer address group.
500 Internal Server Error	One of the following: <ul style="list-style-type: none"> • The case cannot be submitted because Service Now is Demo mode. • The case cannot be saved or submitted because Service Now is in offline mode. • An incident with the same customer tracking number exists.

Output

Example XML Output

```
<servicenowmsg>
  <status>
    <desc>Case submitted successfully</desc>
    <keys>
      <key>2588673</key>
    </keys>
  </status>
</servicenowmsg>
<servicenowmsg>
  <exceptions>
    <exception>
      <severity>WARN</severity>
    <code>1210</code>
    <desc> "Duplicate message found." </desc>
    <keys>
      <key>2588673</key>
    </keys>
  </exception>
</exceptions>
</servicenowmsg>
```

Example JSON Output

```
{
  "servicenowmsg":{
    "status":{
      "desc":"Case submitted successfully",
      "keys":{
        "key":2588673
      }
    }
  }
}
{
  "servicenowmsg":{
    "exceptions":{
      "exception":{
        "severity":"WARN",
        "code":"1210",
        "desc":"Duplicate message found.",
        "keys":{
          "key":"2588673"
        }
      }
    }
  }
}
```

Related Documentation

- [Incident Management Overview on page 85](#)
- [Get All Incidents in Service Now on page 86](#)
- [Get Incident by Incident ID on page 89](#)
- [Get Incident By Customer Tracking Number on page 93](#)

- [Delete Incident By Incident ID on page 96](#)
- [Export JMB on page 97](#)
- [Save a Case on page 98](#)

CHAPTER 7

Technical Support Case Management REST APIs

- [Service Now Tech Support Case Management REST API Overview on page 109](#)
- [Get All Tech Support Cases on page 110](#)
- [Get Tech Support Case Info by Case ID on page 112](#)
- [Update a Case by Case ID on page 114](#)

Service Now Tech Support Case Management REST API Overview

The `/api/juniper/servicenow/case-management` resource is available under `https://[host]/api/juniper/servicenow`.

Technical support cases fetch all cases for all site IDs present in Service Now. Information is via JSS through internal calls.

URI

`https://[host]/api/juniper/servicenow/case-management` (HTTP method = GET)

Produces

- `vnd.juniper.servicenow.case-management+xml;version=1`
- `vnd.juniper.servicenow.case-management+json;version=1`

Output

Example XML Output

```
<servicenow-case-management>
  <collection href="/api/juniper/servicenow/case-management/cases" rel="cases"/>
</servicenow-case-management>
```

Example JSON Output

```
{
  "servicenow-case-management": {
    "collection": {
      "@href": "/api/juniper/servicenow/case-management/cases",
      "@rel": "cases"
    }
  }
}
```

- Related Documentation**
- [Get All Tech Support Cases on page 110](#)
 - [Get Tech Support Case Info by Case ID on page 112](#)
 - [Update a Case by Case ID on page 114](#)

Get All Tech Support Cases

Use the Get All Tech Support Cases operation to retrieve all available technical support cases from Service Now.

URI

`https://[host]/api/juniper/servicenow/case-management/cases` (HTTP method = GET)

URI Parameters

None.

Produces

- `vnd.juniper.servicenow.case-management.cases+xml;version=1`
- `vnd.juniper.servicenow.case-management.cases+json;version=1`

Response

Element	Description
key	Case unique identifier number.
organization	Organization name under which this case is created.
caseId	JTAC case ID.
deviceSerialNumber	Serial number of the device for which this case is created.
synopsis	Brief description of the event.
priority	Priority of the incident that led to the case being created.
status	Case status.
createTime	Case creation time.

Response Status Code

Message	Description
204 No Content	No cases found.

Output

Example XML Output

```
<cases size="2" uri="/api/juniper/servicenow/case-management/cases">
  <case key="2949120" uri="/api/juniper/servicenow/case-management/cases/2949120"
href="/api/juniper/servicenow/case-management/cases/2949120">
    <organization>TestOrg</organization>
    <caseId>2012-0328-0560</caseId>
    <deviceSerialNumber>BH4710AA0012</deviceSerialNumber>
    <synopsis>
      [AIS] Service Now on-demand case
      Customer Comments: These are my synopsis comments here
    </synopsis>
    <priority>3 - Medium</priority>
    <status>Open-Customer Action Required</status>
    <createTime>2012-03-28 19:31:16 IST</createTime>
  </case>
  <case key="2490373"
uri="/api/juniper/servicenow/case-management/cases/2490373"
href="/api/juniper/servicenow/case-management/cases/2490373">
    <organization>TestOrg</organization>
    <caseId>2012-0326-0375</caseId>
    <deviceSerialNumber>BH4610AA0024</deviceSerialNumber>
    <synopsis>[AIS] AV_PATTERN_TOO_BIG</synopsis>
    <priority>2 - High</priority>
    <status>Open-Customer Action Required</status>
    <createTime>2012-03-26 17:04:25 IST</createTime>
  </case>
</cases>
```

Example JSON Output

```
{
  "cases":{
    "@size":"2",
    "@uri":"/api/juniper/servicenow/case-management/cases",
    "case":[
      {
        "@key":"2949120",
        "@uri":"/api/juniper/servicenow/case-management/cases/2949120",
        "@href":"/api/juniper/servicenow/case-management/cases/2949120",
        "organization":"TestOrg",
        "caseId":"2012-0328-0560",
        "deviceSerialNumber":"BH4710AA0012",
        "synopsis":"[AIS] Service Now on-demand casenCustomer Comments: These are
my synopsis comments here",
        "priority":"3 - Medium",
        "status":"Open-Customer Action Required",
        "createTime":"2012-03-28 19:31:16 IST"
      },
      {
        "@key":"2490373",
        "@uri":"/api/juniper/servicenow/case-management/cases/2490373",
        "@href":"/api/juniper/servicenow/case-management/cases/2490373",
        "organization":"TestOrg",
        "caseId":"2012-0326-0375",
        "deviceSerialNumber":"BH4610AA0024",
        "synopsis":"[AIS] AV_PATTERN_TOO_BIG",
        "priority":"2 - High",

```

```
        "status":"Open-Customer Action Required",
        "createTime":"2012-03-26 17:04:25 IST"
    }
  ]
}
```

Related Documentation

- [Service Now Tech Support Case Management REST API Overview on page 109](#)
- [Get Tech Support Case Info by Case ID on page 112](#)
- [Update a Case by Case ID on page 114](#)

Get Tech Support Case Info by Case ID

Use the Get Tech Support Case Info by Case ID operation to retrieve a specific technical support case from Service Now.

URI

`https://[host]/api/juniper/servicenow/case-management/cases/{id}` (HTTP method = GET)

URI Parameters

Parameter	Description
id	Case unique identifier number.

Produces

- `vnd.juniper.servicenow.case-management.case+json ;version=2`
- `vnd.juniper.servicenow.case-management.case+xml ;version=2`

Response

Element	Description
id	Case unique identifier number.
caseId	JTAC case ID.
synopsis	Brief description of the event.
priority	Priority of the incident that led to the creation of the case.
status	Case status.
createTime	Creation time of this case.
caseLink	Link to the JTAC case.

Element	Description
name	Organization name.
serialNumber	Serial number of the device for which this case is created.
hostName	Hostname of the device for which this case is associated.

Response Status Code

Message	Description
404 Not Found	Invalid case ID specified, no case found.

Output

Example XML Output

```
<case uri="/api/juniper/servicenow/case-management/cases/2949120">
  <id>2949120</id>
  <caseId>2012-0328-0560</caseId>
  <synopsis>
    [AIS] Service Now on-demand case
    Customer Comments: These are my synopsis comments here
  </synopsis>
  <priority>3 - Medium</priority>
  <status>Open-Customer Action Required</status>
  <createTime>2012-03-28 19:31:16 IST</createTime>
  <caseLink>
    https://www.juniper.net/cm/case_email_link.jsp?case_number=2012-0328-0560
  </caseLink>
  <notes>my notes</notes>
  <organization
href="/api/juniper/servicenow/organization-management/organization/262149">
    <id>262149</id>
    <name>TestOrg</name>
  </organization>
  <device href="/api/juniper/servicenow/device-management/devices/393216">
    <id>393216</id>
    <serialNumber>BH4710AA0012</serialNumber>
    <hostName>SRX1400-b</hostName>
  </device>
  <method href=
"/api/juniper/servicenow/case-management/cases/720953/updateCase" rel="Update
Case"/>
</case>
```

Example JSON Output

```
{
  "case": {
    "@uri": "/api/juniper/servicenow/case-management/cases/2949120",
    "id": "2949120",
    "caseId": "2012-0328-0560",
    "synopsis": "[AIS] Service Now on-demand case\nCustomer Comments: These are my\nsynopsis comments here",
    "priority": "3 - Medium",
```

```

"status": "Open-Customer Action Required",
"createTime": "2012-03-28 19:31:16 IST",

"caseLink": "https://www.juniper.net/cm/case_email_link.jsp?case_number=2012-0328-0560",

"notes": "my notes",
"organization": {
"@href": "/api/juniper/servicenow/organization-management/organization/262149",

"id": 262149,
"name": "TestOrg"
},
"device": {
"@href": "/api/juniper/servicenow/device-management/devices/393216",
"id": 393216,
"serialNumber": "BH4710AA0012",
"hostName": "SRX1400-b"
}
"method": {
"@href":
"/api/juniper/servicenow/case-management/cases/2949120/updateCase",
"@rel": "Update Case"
}
}
}

```

Related Documentation

- [Service Now Tech Support Case Management REST API Overview on page 109](#)
- [Get All Tech Support Cases on page 110](#)
- [Update a Case by Case ID on page 114](#)

Update a Case by Case ID

Use the Update a Case by Case ID operation to update a specific technical support case in Service Now.

URI

https://[host]/api/juniper/servicenow/case-management/cases/{id}/updateCase
(HTTP method = POST)

URI Parameters

Parameter	Description
id	Customer case unique identifier number.

Example XML Input

```

<case>
<notes>My notes</notes>
</case>

```


Example JSON Input

```
{
  "case":{
    "notes":"My notes"
  }
}
```

Consumes

- vnd.juniper.servicenow.case-management.case+xml;version=2;charset=UTF-8
- vnd.juniper.servicenow.case-management.case+json;version=2;charset=UTF-8

Produces

- vnd.juniper.servicenow.case-management.updatecase.servicenowmsg+xml;version=1
- vnd.juniper.servicenow.case-management.updatecase.servicenowmsg+json;version=1



NOTE:

- **Note** is a mandatory element for updating a case.
- Any other elements specified in the request will be ignored.

Response Status Code

Message	Description
404 Not Found	Invalid case ID, case not found.
500 Internal Server Error	Service Now cannot connect to JSS.
400 Bad Request	One of the following: <ul style="list-style-type: none">• Input field, Note is mandatory and is not specified.• Input field, Note is too long. The maximum number of characters allowed in a Note is 3600.

Output

Example XML Output

```
<servicenowmsg>
  <msg> Case saved successfully</msg>
</servicenowmsg>
```

Example JSON Output

```
{
  "servicenowmsg":{
    "msg":" Case saved successfully",
  }
}
```

- Related Documentation
- [Service Now Tech Support Case Management REST API Overview on page 109](#)
 - [Get All Tech Support Cases on page 110](#)

- [Get Tech Support Case Info by Case ID on page 112](#)

CHAPTER 8

Service Now End Customer Case Management REST API

- [Service Now End Customer Case Management REST API Overview on page 117](#)
- [Get All End Customer Cases on page 118](#)
- [Get End Customer Case Info by Case ID on page 119](#)

Service Now End Customer Case Management REST API Overview

The `/api/juniper/servicenow/endcustomer-case-management` resource is available under `https://[host]/api/juniper/servicenow`.

End customer cases are applicable only for Service Now running in partner proxy mode. It displays all cases belonging to the end customers of Service Now.

URI

`https://[host]/api/juniper/servicenow/endcustomer-case-management` (HTTP method = GET)

Produces

- `vnd.juniper.servicenow.eccase-management+xml;version=1`
- `vnd.juniper.servicenow.eccase-management+json;version=1`

Output

Example XML Output

```
<servicenow-endcustomer-case-management>
  <collection href="/api/juniper/servicenow/endcustomer-case-management/cases"
    rel="cases"/>
</servicenow-endcustomer-case-management >
```

Example JSON Output

```
{
  "servicenow-endcustomer-case-management ":{
    "collection":{
      "@href":"/api/juniper/servicenow/ endcustomer-case-management /cases",
      "@rel":"cases"
    }
  }
}
```

- Related Documentation**
- [Get All End Customer Cases on page 118](#)
 - [Get End Customer Case Info by Case ID on page 119](#)

Get All End Customer Cases

URI

`https://[host]/api/juniper/servicenow/endcustomer-case-management/cases` (HTTP method = GET)

URI Parameters

None.

Produces

- `vnd.juniper.servicenow.eccase-management.cases+xml;version=1`
- `vnd.juniper.servicenow.eccase-management.cases+json;version=1`

Response

Element	Description
<code>connectedMember</code>	Name of the connected member.
<code>caseId</code>	Case ID for this end customer case.
<code>deviceSerialNumber</code>	Serial number of the device associated with this case.
<code>caseStatus</code>	Status of this case.
<code>problemSynopsis</code>	Brief description of the event that led to the creation of this case.
<code>priority</code>	Priority of the incident that led to the creation of the case.
<code>createTime</code>	Date and time the case was created.
<code>caseLink</code>	Link to the case.

Response Status Code

Message	Description
204 No Content	No end customer cases found.
403 Forbidden	Service Now is not running in mode

Output**Example XML Output**

```
<cases size="1" uri="/api/juniper/servicenow/endcustomer-case-management/cases">

  <case key="3049145"
uri="/api/juniper/servicenow/endcustomer-case-management/cases/3049145"
href="/api/juniper/servicenow/endcustomer-case-management/cases/3049145">
    <connectedMember> EndCustomer</connectedMember>
    <caseId>32r43263645</caseId>
    <deviceSerialNumber>E4000</deviceSerialNumber>
    <caseStatus>Created</caseStatus>
    <problemSynopsis>RPD_ASSERT_SOFT</problemSynopsis>
    <priority>Medium</priority>
    <createTime>2012-03-28 19:31:16 IST </createTime>
    <caseLink>45trey65876utreds</caseLink>
  </case>
</cases>
```

Example JSON Output

```
{
  "cases":{
    "@size":"1",
    "@uri":"/api/juniper/servicenow/endcustomer-case-management/cases",
    "case":
      {
        "@key":"3049145",
        "@uri":"/api/juniper/servicenow/endcustomer-case-management/cases/3049145",

        "@href":"/api/juniper/servicenow/endcustomer-case-management/cases/3049145",

        "connectedMember":" EndCustomer",
        "caseId":"32r43263645",
        "deviceSerialNumber":" E4000",
        "caseStatus":"Created",
        "problemSynopsis":"RPD_ASSERT_SOFT",
        "priority":"Medium",
        "createTime":"2012-03-28 19:31:16 IST ",
        "caseLink":"45trey65876utreds"
      }
  }
}
```

Related Documentation

- [Service Now End Customer Case Management REST API Overview on page 117](#)
- [Get End Customer Case Info by Case ID on page 119](#)

Get End Customer Case Info by Case ID**URI**

https://[host]/api/juniper/servicenow/endcustomer-case-management/cases/{id}
(HTTP method = GET)

URI Parameters

Parameter	Description
id	End customer case unique identifier

Produces

- vnd.juniper.servicenow.eccase-management.case+xml;version=1
- vnd.juniper.servicenow.eccase-management.case+json;version=1

Response

Element	Description
connectedMember	Name of the connected member.
caseId	Case ID for this end customer case.
deviceSerialNumber	Serial number of the device associated with this case.
caseStatus	Status of this case.
problemSynopsis	Brief description of the event that led to the creation of this case.
priority	Priority of the incident that led to the creation of the case.
createTime	Date and time the case was created.
caseLink	Link to the case.

Response Status Code

Message	Description
404 Not Found	Invalid case ID specified, no end customer cases found.
403 Forbidden	Service Now is not running in mode.

Output

Example XML Output

```
<case uri="/api/juniper/servicenow/endcustomer-case-management/cases/6029324">  
  <id>6029324</id>  
  <connectedMember>test</connectedMember>  
  <caseId>123456</caseId>  
  <problemSynopsis>Service Now on-demand case</problemSynopsis>  
  <createTime>2012-04-06 14:28:53 IST</createTime>  
  <updateTime>2012-04-06 14:28:53 IST</updateTime>
```

```
<problemDesc>Service Now on-demand case</problemDesc>
<caseStatus>Created</caseStatus>
</case>
```

Example JSON Output

```
{
  "case": {
    "@uri": "/api/juniper/servicenow/endcustomer-case-management/cases/6029324",
    "id": 6029324,
    "connectedMember": "test",
    "caseId": 123456,
    "problemSynopsis": "Service Now on-demand case",
    "createTime": "2012-04-06 14:28:53 IST",
    "updateTime": "2012-04-06 14:28:53 IST",
    "problemDesc": "Service Now on-demand case",
    "caseStatus": "Created"
  }
}
```

**Related
Documentation**

- [Service Now End Customer Case Management REST API Overview on page 117](#)
- [Get All End Customer Cases on page 118](#)

CHAPTER 9

Service Now Auto Submit Policy Management REST APIs

- [Service Now Auto Submit Policy Management REST API Overview on page 123](#)
- [Get All Auto Submit Policies in Service Now on page 125](#)
- [Get Auto Submit Policy Info by Policy ID on page 127](#)
- [Assign An Auto Submit Policy To A Device on page 130](#)
- [Get Devices Associated With an Auto Submit Policy on page 131](#)
- [Get Events Associated With an Auto Submit Policy on page 133](#)

Service Now Auto Submit Policy Management REST API Overview

The **/api/juniper/servicenow/autosubmit-policy-management** resource is available under `https://[host]/api/juniper/servicenow`.

An auto submit policy is a policy that you create to enable Service Now to submit incidents to Juniper Support Services (JSS) automatically. While using Service Now in end-customer mode, auto submit policies allow Service Now to submit incidents automatically to the Service Now that it connects to. When incidents are submitted to JSS, technical support cases are created with Juniper Networks. When incidents are submitted automatically, they are filtered based on the JMB Filter Level setting of the Service Now organization to which the device belongs.

URI

`https://[host]/api/juniper/servicenow/autosubmit-policy-management/autosubmitpolicies`
(HTTP method = GET)

Produces

- `vnd.juniper.servicenow.autosubmit-policy-management.autosubmitpolicies+xml;version=2;`
- `vnd.juniper.servicenow.autosubmit-policy-management.autosubmitpolicies+xml;version=2;`

Output

Example XML Output

```
< autosubmitpolicies uri="/api/juniper/servicenow/autosubmit-policy-management/
autosubmitpolicies " size="2">
  <autosubmitpolicy href="/api/juniper/servicenow/autosubmit-policy-management/
```

```

autosubmitpolicies /720896"
uri="/api/juniper/servicenow/autosubmit-policy-management/ autosubmitpolicies
/720896" key="720896">
  <incidentsSubmitted>0</incidentsSubmitted>
  <devices>3</devices>
  <events>5</events>
  <name>test1</name>
  <createdBy>super</createdBy>
  <enabled>true</enabled>
  <dampening>Enabled</ dampening>
</autosubmitpolicy>
<autosubmitpolicy
href="/api/juniper/servicenow/autosubmit-policy-management/autosubmitcases/1081344"
uri="/api/juniper/servicenow/autosubmit-policy-management/
autosubmitpolicies/1081344" key="1081344">
  <incidentsSubmitted>0</incidentsSubmitted>
  <devices>2</devices>
  <events>7</events>
  <name>test</name>
  <createdBy>super</createdBy>
  <enabled>>false</enabled>
  <dampening>Disabled</dampening>
</autosubmitpolicy >
</autosubmitpolicies>

```

Example JSON Output

```

{
  "autosubmitpolicies":{

"@uri":"/api/juniper/servicenow/autosubmit-policy-management/autosubmitpolicies,

    "@size":"2",
    "autosubmitpolicy":[
      {

"@href":"/api/juniper/servicenow/autosubmit-policy-management/autosubmitpolicies/720896",

"@uri":"/api/juniper/servicenow/autosubmit-policy-management/autosubmitpolicies/720896",

        "@key":"720896",
        "incidentssubmitted":"0",
        "devices":"3",
        "events":"5",
        "name":"test1",
        "createdby":"super",
        "enabled":"true",
        "dampening":"Enabled"
      },
      {

"@href":"/api/juniper/servicenow/autosubmit-policy-management/autosubmitcases/1081344",

"@uri":"/api/juniper/servicenow/autosubmit-policy-management/autosubmitpolicies/1081344",

        "@key":"1081344",

```

```
        "incidentssubmitted":"0",
        "devices":"2",
        "events":"7",
        "name":"test",
        "createdby":"super",
        "enabled":"false"
      "dampening":"Disabled"
    }
  ]
}
```

- Related Documentation
- [Get All Auto Submit Policies in Service Now on page 125](#)
 - [Get Auto Submit Policy Info by Policy ID on page 127](#)
 - [Assign An Auto Submit Policy To A Device on page 130](#)
 - [Get Devices Associated With an Auto Submit Policy on page 131](#)

Get All Auto Submit Policies in Service Now

URI

https://[host]/api/juniper/servicenow/autosubmit-policy-management/autosubmitpolicies(HTTP method = GET)

Produces

- vnd.juniper.servicenow.autosubmit-policy-management.autosubmitpolicies+xml;version=2;
- vnd.juniper.servicenow.autosubmit-policy-management.autosubmitpolicies+json;version=2;

Response

Element	Description
incidentssubmitted	Number of incidents submitted through this auto submit policy.
devices	Number of devices associated with the auto submit policy.
events	Number of events associated with the auto submit policy.
name	Auto submit policy name.
createdby	Username of person that created this auto submit policy.
enabled	Indicates whether the auto submit policy is enabled or disabled. If 0, the auto submit policy is disabled. If 1, the auto submit policy is enabled.
dampeningEnabled	If the same event occurs on a device repeatedly, multiple incidents are created on service now. The dampeningEnabled element lets you reduce the incident creation per event. Valid values for dampeningEnabled are true or false .

Response Status Code

Message	Description
204 Not Found	No auto submit policy exists in Service Now

Output**Example XML Output**

```
< autosubmitpolicies uri="/api/juniper/servicenow/autosubmit-policy-management/
autosubmitpolicies " size="2">
  <autosubmitpolicy href="/api/juniper/servicenow/autosubmit-policy-management/
autosubmitpolicies /720896"
    uri="/api/juniper/servicenow/autosubmit-policy-management/
autosubmitpolicies /720896" key="720896">
    <incidentsSubmitted>0</incidentsSubmitted>
    <devices>3</devices>
    <events>5</events>
    <name>test1</name>
    <createdBy>super</createdBy>
    <enabled>true</enabled>
    <dampeningEnabled>true</dampeningEnabled>
  </autosubmitpolicy>
  <autosubmitpolicy
href="/api/juniper/servicenow/autosubmit-policy-management/autosubmitcases/1081344"

    uri="/api/juniper/servicenow/autosubmit-policy-management/
autosubmitpolicies/1081344" key="1081344">
    <incidentsSubmitted>0</incidentsSubmitted>
    <devices>2</devices>
    <events>7</events>
    <name>test</name>
    <createdBy>super</createdBy>
    <enabled>false</enabled>
    <dampeningEnabled>true</dampeningEnabled>
  </autosubmitpolicy >
</autosubmitpolicies>
```

Example JSON Output

```
{
  "autosubmitpolicies":{

"@uri":"/api/juniper/servicenow/autosubmit-policy-management/autosubmitpolicies,

    "@size":"2",
    "autosubmitpolicy":[
      {

"@href":"/api/juniper/servicenow/autosubmit-policy-management/autosubmitpolicies/720896",

"@uri":"/api/juniper/servicenow/autosubmit-policy-management/autosubmitpolicies/720896",

        "@key":"720896",
        "incidentssubmitted":"0",
        "devices":"3",
        "events":"5",
```

```
        "name": "test1",
        "createdby": "super",
        "enabled": "true"
        "dampeningEnabled": "true"
    },
    {
        "@href": "/api/juniper/servicenow/autosubmit-policy-management/autosubmitcases/1081344",

        "@uri": "/api/juniper/servicenow/autosubmit-policy-management/autosubmitpolicies/1081344",

        "@key": "1081344",
        "incidentssubmitted": "0",
        "devices": "2",
        "events": "7",
        "name": "test",
        "createdby": "super",
        "enabled": "false"
        "dampeningEnabled": "true"
    }
  ]
}
```

- Related Documentation
- [Service Now Auto Submit Policy Management REST API Overview on page 123](#)
 - [Get Auto Submit Policy Info by Policy ID on page 127](#)
 - [Assign An Auto Submit Policy To A Device on page 130](#)
 - [Get Devices Associated With an Auto Submit Policy on page 131](#)

Get Auto Submit Policy Info by Policy ID

Use the Get Auto Submit Policy Info by Policy ID operation to retrieve a specific auto submit policy from Service Now.

URI

https://[host]/api/juniper/servicenow/autosubmit-policy-management/autosubmitpolicies/{id}
(HTTP method = GET)

URI Parameters

Parameter	Description
id	Auto submit policy unique identifier.

Produces

- vnd.juniper.servicenow.autosubmit-policy-management.autosubmitpolicy+xml;version=2

- vnd.juniper.servicenow.autosubmit-policy-management.autosubmitpolicy+json;version=2

Response

Element	Description
incidentssubmitted	Number of incidents submitted through this auto submit policy.
devices	Number of devices associated with the auto submit policy.
events	Number of events associated with the auto submit policy.
name	Auto submit policy name.
createdby	Username of person that created this auto submit policy.
enabled	Indicates whether the auto submit policy is enabled or disabled. If 0, the auto submit policy is disabled. If 1, the auto submit policy is enabled.
dampening	Indicates the dampening value of an auto submit policy. Values are enabled or disabled .
id	Device unique identifier.
hostname	Device hostname.
dampeningEnabled	If the same event occurs on a device repeatedly, multiple incidents are created on service now. The dampeningEnabled element lets you reduce the incident creation per event. Valid values for dampeningEnabled are true or false .

Response Status Code

Message	Description
204 Not Found	Invalid auto submit policy ID specified

Output

Example XML Output

```
<autosubmitpolicy uri="/api/juniper/servicenow/autosubmit-policy-management/autosubmitpolicies/720896" key="720896">
  <incidentssubmitted>0</incidentssubmitted>
  <devices>3</devices>
  <events>5</events>
  <name>test1</name>
  <createdBy>super</createdBy>
  <enabled>true</enabled>
  <dampeningEnabled>true</dampeningEnabled>
  <method href="/api/juniper/servicenow/autosubmitpolicies/720896/associateDevices" rel="Associate auto submit case to devices"/>
</autosubmitpolicy>
```

```

<devices uri="/api/juniper/servicenow/autosubmit-policy-management/
autosubmitpolicies/720896/devices">
  <device href="/api/juniper/servicenow/device-management/devices/360448">

    <id>360448</id>
    <hostName>EX4200.24T.180</hostName>
  </device>
  <device href="/api/juniper/servicenow/device-management/devices/360449">

    <id>360449</id>
    <hostName>ex-4200.50.182</hostName>
  </device>
</devices>
<events
uri="/api/juniper/servicenow/autosubmit-policy-management/autosubmitpolicies/720896/events">
</autosubmitpolicy>

```

Example JSON Output

```

{
  "autosubmitpolicy":{
    "@uri":"/api/juniper/servicenow/autosubmit-policy-management/
autosubmitpolicies/720896",
    "@key":"720896",
    "incidentssubmitted":"0",
    "devices":{
      "@size":"3",
      "@uri":"/api/juniper/servicenow/autosubmit-policy-management/
autosubmitpolicies/720896/devices",
      "device":[
        {
          "@href":"/api/juniper/servicenow/device-management/devices/360448",
          "id":"360448",
          "hostname":"EX4200.24T.180"
        },
        {
          "@href":"/api/juniper/servicenow/device-management/devices/360449",
          "id":"360449",
          "hostname":"ex-4200.50.182"
        }
      ]
    },
    "events":{
      "@size":"5",
      "@uri":"/api/juniper/servicenow/autosubmit-policy-management/autosubmitpolicies/720896/events"
    },
    "name":"test1",
    "createdby":"super",
    "enabled":"true",
    "dampeningEnabled":"true"
  },
  "method":{
    "@href":"/api/juniper/servicenow/autosubmitpolicies/720896/associateDevices",
    "rel":"Associate auto submit case to devices"
  }
}

```

- Related Documentation
- [Service Now Auto Submit Policy Management REST API Overview on page 123](#)
 - [Get All Auto Submit Policies in Service Now on page 125](#)
 - [Assign An Auto Submit Policy To A Device on page 130](#)
 - [Get Devices Associated With an Auto Submit Policy on page 131](#)

Assign An Auto Submit Policy To A Device

Use the Assign An Auto Submit Policy To A Device operation to associate devices with auto submit policies to enable automatic submission of incidents that occur on the devices to JSS

URI

`https://[host]/api/juniper/servicenow/autosubmit-policy-management/autosubmitpolicies/{id}/associateDevices`
(HTTP method = POST)

URI Parameters

Parameter	Description
id	Device unique identifier.

In the following example only the two specified devices are associated with the auto submit policy.

Example input in XML format

```
<associateDevices>
  <devices>
    <device
href="/api/juniper/servicenow/device-management/devices/163840"/>
    <device
href="/api/juniper/servicenow/device-management/devices/163841"/>
  </devices>
</associateDevices>
```

Example input in JSON format

```
{
  "associateddevices":{
    "devices":{
      "device":[
        {
          "@href":"/api/juniper/servicenow/device-management/devices/163840"
        },
        {
          "@href":"/api/juniper/servicenow/device-management/devices/163841"
        }
      ]
    }
  }
}
```

Consumes

- vnd.juniper.servicenow.autosubmit-policy-management.associateddevices+xml;version=1;charset=UTF-8 for XML request
- vnd.juniper.servicenow.autosubmit-policy-management.associateddevices+json;version=1;charset=UTF-8 for JSON request

Produces

- vnd.juniper.servicenow.autosubmit-policy-management.servicenowmsg+xml;version=1 for XML requests
- vnd.juniper.servicenow.autosubmit-policy-management.servicenowmsg+json;version=1 for JSON requests

Response Status Code

Message	Description
404 Not Found	Invalid device ID specified.
400 Bad Request	Invalid request.

Output

```
<servicenowmsg>
  <msg>Devices associated successfully to auto submit policy</msg>
</servicenowmsg>
```

Related Documentation

- [Service Now Auto Submit Policy Management REST API Overview on page 123](#)
- [Get All Auto Submit Policies in Service Now on page 125](#)
- [Get Auto Submit Policy Info by Policy ID on page 127](#)
- [Assign An Auto Submit Policy To A Device on page 130](#)
- [Get Devices Associated With an Auto Submit Policy on page 131](#)

Get Devices Associated With an Auto Submit Policy

An auto submit policy enables incidents that occur on devices to be submitted to JSS automatically, creating a Tech Support Case. Use the Get Devices Associated With an Auto Submit Policy operation to retrieve all devices associated with a specific auto submit policy.

URI

https://[host]/api/juniper/servicenow/autosubmit-policy-management/autosubmitpolicies/{id}/devices (HTTP method = GET)

URI Parameters

Parameter	Description
id	Auto submit policy unique identifier.

Produces

- vnd.juniper.servicenow.autosubmit-policy-management.devices +xml;version=1
- vnd.juniper.servicenow.autosubmit-policy-management.devices +json;version=1

Response

Element	Description
hostname	Device hostname.

Response Status Code

Message	Description
500 Internal Server Error	No devices are associated with the specified auto submit policy.

Output

Example XML Output

```
<devices
uri="/api/juniper/servicenow/autosubmit-policy-management/autosubmitpolicies/360457/devices">

  <device key="360448"
href="/api/juniper/servicenow/device-management/devices/360448">
    <hostname>EX4200.24T.180</hostname>
  </device>
  <device key="360449"
href="/api/juniper/servicenow/device-management/devices/360449">
    <hostname>ex-4200.50.182</hostname>
  </device>
</devices>
```

Example JSON Output

```
{
  "devices":{

"@uri":"/api/juniper/servicenow/autosubmit-policy-management/autosubmitpolicies/360457/devices",

    "device":[
      {
        "@key":"360448",
        "@href":"/api/juniper/servicenow/device-management/devices/360448",
        "hostname":"EX4200.24T.180"
      },
      {
        "@key":"360449",
```

```
      "@href":"/api/juniper/servicenow/device-management/devices/360449",
      "hostname":"ex-4200.50.182"
    }
  ]
}
```

Related Documentation

- [Service Now Auto Submit Policy Management REST API Overview on page 123](#)
- [Get All Auto Submit Policies in Service Now on page 125](#)
- [Get Auto Submit Policy Info by Policy ID on page 127](#)
- [Assign An Auto Submit Policy To A Device on page 130](#)
- [Get Events Associated With an Auto Submit Policy on page 133](#)

Get Events Associated With an Auto Submit Policy

An auto submit policy enables incidents that occur on devices to be submitted to JSS automatically, creating a Tech Support Case. Use the Get Auto Submit Policy Associated Events operation to retrieve all events associated with a specific auto submit policy.

URI

`https://[host]/api/juniper/servicenow/autosubmit-policy-management/autosubmitpolicies/{id}/events`
(HTTP method = GET)

URI Parameters

Parameter	Description
id	Auto submit policy unique identifier.

Produces

- `vnd.juniper.servicenow.autosubmit-policy-management.events+xml;version=2`
- `vnd.juniper.servicenow.autosubmit-policy-management.events+json;version=2`

Response

Element	Description
name	Event name.
category	Event category.
type	Event type.
subtype	Event subtype.
briefdescription	A terse description of the event.

Element	Description
eventdescription	A detailed description of the event.
minimumversion	Minimum version of Junos in which event will be enabled.
dampening	Displays the dampening period. Users can select a period for which alerts are dampened for the incidents that are the same (for example, the same synopsis) for the same device(s), device groups, or organizations. Values can be None (dampening is applied until the user disables it) or 1 hr , 2 hr and so forth or Always .

Response Status Code

Message	Description
500 Internal Server Error	No events are associated with the specified auto submit policy.

Output

Example XML Output

```
<events size="2"
uri="/api/juniper/servicenow/autosubmit-policy-management/autosubmitpolicies/360457/events">

  <event>
    <name>ACCT_XFER_POPEN_FAIL</name>
    <fileName>ACCT_XFER_POPEN_FAIL.slax</fileName>
    <category>ACCT</category>
    <type>Software Failure</type>
    <subType>Communication Error</subType>
    <briefDescription>ACCT_XFER_POPEN_FAIL</briefDescription>
    <eventDescription>A call to the popen() function failed when the accounting
statistics process invoked the indicated command to transfer the indicated
file.</eventDescription>
    <activateDescription>Capture ACCT_XFER_POPEN_FAIL
Events</activateDescription>
    <featureName>ACCT_XFER_POPEN_FAIL.slax</featureName>
    <minimumVersion>9.4</minimumVersion>
    <helpText>ACCT_XFER_POPEN_FAIL</helpText>
    <dampening>1 hr</dampening>
  </event>
  <event>
    <name>CONNECTION_CHASSISD_FAIL</name>
    <fileName>CONNECTION_CHASSISD_FAIL.slax</fileName>
    <category>ALARMD</category>
    <type>Software Failure</type>
    <subType>Initialization failure</subType>
    <briefDescription>CONNECTION_CHASSISD_FAIL</briefDescription>
    <eventDescription>The alarm process (alarmd) was unable to connect to the
chassis process (chassisd).</eventDescription>
    <activateDescription>Capture CONNECTION_CHASSISD_FAIL
Events</activateDescription>
    <featureName>CONNECTION_CHASSISD_FAIL.slax</featureName>
    <minimumVersion>9.5</minimumVersion>
```

```

        <helpText>SW-common-2:CONNECTION_CHASSISD_FAIL</helpText>
        <dampening>None</dampening>
    </event>
</events>

```

Example JSON Output

```

{
  "events":{
    "@size":"2",

    "@uri":"/api/juniper/servicenow/autosubmit-policy-management/autosubmitpolicies/360457/events",

    "event":[
      {
        "name":"ACCT_XFER_POPEN_FAIL",
        "filename":"ACCT_XFER_POPEN_FAIL.slax",
        "category":"ACCT",
        "type":"Software Failure",
        "subtype":"Communication Error",
        "briefdescription":"ACCT_XFER_POPEN_FAIL",
        "eventdescription":"A call to the popen() function failed when the accounting
statistics process invoked the indicated command to transfer the indicated file. ",
        "activatedescription":"Capture ACCT_XFER_POPEN_FAIL Events",
        "featurename":"ACCT_XFER_POPEN_FAIL.slax",
        "minimumversion":"9.4",
        "helptext":"ACCT_XFER_POPEN_FAIL",
        "dampening":"1 hr"
      },
      {
        "name":"CONNECTION_CHASSISD_FAIL",
        "filename":"CONNECTION_CHASSISD_FAIL.slax",
        "category":"ALARMD",
        "type":"Software Failure",
        "subtype":"Initialization failure",
        "briefdescription":"CONNECTION_CHASSISD_FAIL",
        "eventdescription":"The alarm process (alarmd) was unable to connect to the
chassis process (chassisd). ",
        "activatedescription":"Capture CONNECTION_CHASSISD_FAIL Events",
        "featurename":"CONNECTION_CHASSISD_FAIL.slax",
        "minimumversion":"9.5",
        "helptext":"SW-common-2:CONNECTION_CHASSISD_FAIL"
        "dampening":"None"
      }
    ]
  }
}

```

Related Documentation

- [Service Now Auto Submit Policy Management REST API Overview on page 123](#)
- [Get All Auto Submit Policies in Service Now on page 125](#)
- [Get Auto Submit Policy Info by Policy ID on page 127](#)
- [Assign An Auto Submit Policy To A Device on page 130](#)

CHAPTER 10

Device Snapshot Management

- [Device Snapshot Management REST API Overview on page 137](#)
- [Get All Device Snapshots in Service Now on page 138](#)
- [Get Device Snapshot Info by Device ID on page 140](#)
- [Export Device Snapshot Information by Device ID on page 142](#)
- [Delete Device Snapshot by Device Snapshot ID on page 143](#)

Device Snapshot Management REST API Overview

The **/api/juniper/servicenow/devicesnapshot-management** resource is available under `https://[host]/api/juniper/servicenow`.

URI

`https://[host]/api/juniper/servicenow/devicesnapshot-management` (HTTP method = GET)

Produces

- `vnd.juniper.servicenow.devicesnapshot-management+xml;version=1`
- `vnd.juniper.servicenow.devicesnapshot-management+json;version=1`

Output

Example XML Output

```
<servicenow-devicesnapshot-management>
  <collection
href="/api/juniper/servicenow/devicesnapshot-management/devicesnapshots"
rel="devicesnapshots"/>
</servicenow-devicesnapshot-management>
```

Example JSON Output

```
{
  "servicenow-devicesnapshot-management":
    {"collection":
      {

"@href":"/api/juniper/servicenow/devicesnapshot-management/devicesnapshots",
  @rel:"devicesnapshots"}
    }
}
```

Related Documentation

- [Get All Device Snapshots in Service Now on page 138](#)
- [Get Device Snapshot Info by Device ID on page 140](#)
- [Export Device Snapshot Information by Device ID on page 142](#)
- [Delete Device Snapshot by Device Snapshot ID on page 143](#)

Get All Device Snapshots in Service Now

Service Now periodically collects and displays Information Juniper Message Bundles (iJMBs) that contain information about devices. These iJMBs are processed and displayed on the Device Snapshot page in the Service Now application. You can use the Get All Device Snapshots operation to also view the iJMB information about devices.

URI

`https://[host]/api/juniper/servicenow/devicesnapshot-management/devicesnapshots`
(HTTP method = GET)

URI Parameters

None.

Produces

- `vnd.juniper.servicenow.devicesnapshot-management.devicesnapshots+xml;version=1`
- `vnd.juniper.servicenow.devicesnapshot-management.devicesnapshots+json;version=1`

Response

Element	Description
hostname	Device hostname.
product	Product type, such as SRX1400.
status	Status of iJMB submission to JSS.

Response Status Code

Message	Description
204 No Content	No events are associated with the specified auto submit policy.

Output**Example XML Output**

```
<devicesnapshots size="1"
uri="/api/juniper/servicenow/devicesnapshot-management/devicesnapshots/">
  <devicesnapshot key="196618"
```



```
uri="/api/juniper/servicenow/devicesnapshot-management/devicesnapshots/196618"
```

```
href="/api/juniper/servicenow/devicesnapshot-management/devicesnapshots/196618">
```

```
    <hostName>SN-SRX1400test</hostName>
    <product>SRX1400</product>
    <status>Initial(Not submitted: Filter "Do not send Device Snapshots" is
selected)</status>
  </devicesnapshot>
</devicesnapshots>
```

Example JSON Output

```
{ "devicesnapshots":
  { "@size": "1",
    "@uri": "/api/juniper/servicenow/devicesnapshot-management/devicesnapshots/",
    "devicesnapshot":
      { "@key": "196618",
        "@uri": "/api/juniper/servicenow/devicesnapshot-management/devicesnapshots/196618",
        "@href": "/api/juniper/servicenow/devicesnapshot-management/devicesnapshots/196618",
        "hostName": "SN-SRX1400test", "product": "SRX1400",
        "status": "Initial(Not submitted: Filter \"Do not send Device Snapshots\" is
selected)"
      }
    }
  }
```

Additional Notes

To get the device snapshot for specific device, you can use the filter parameter. For example, the following URI retrieves the device snapshot for the SN-SRX1400test device.

[https://\[host\]/api/juniper/servicenow/devicesnapshot-management/devicesnapshots?filter=\(hostName eq 'SN-SRX1400test'\)](https://[host]/api/juniper/servicenow/devicesnapshot-management/devicesnapshots?filter=(hostName eq 'SN-SRX1400test')) (HTTP method = GET)

```
<devicesnapshots size="1"
uri="/api/juniper/servicenow/devicesnapshot-management/devicesnapshots/">
  <devicesnapshot key="196618"
uri="/api/juniper/servicenow/devicesnapshot-management/devicesnapshots/196618"
```

```
href="/api/juniper/servicenow/devicesnapshot-management/devicesnapshots/196618">
```

```
    <hostName>SN-SRX1400test</hostName>
    <product>SRX1400</product>
    <status>Initial(Not submitted: Filter "Do not send Device Snapshots" is
selected)</status>
  </devicesnapshot>
</devicesnapshots>
```

Related Documentation

- [Device Snapshot Management REST API Overview on page 137](#)
- [Get Device Snapshot Info by Device ID on page 140](#)
- [Export Device Snapshot Information by Device ID on page 142](#)
- [Delete Device Snapshot by Device Snapshot ID on page 143](#)

Get Device Snapshot Info by Device ID

Service Now periodically collects and displays Information Juniper Message Bundles (iJMBs) that contain information about devices. These iJMBs are processed and displayed on the Device Snapshot page in the Service Now application. You can use the Get Device Snapshot Info by Device ID operation to view the iJMB information about a specific device.

URI

`https://[host]/api/juniper/servicenow/devicesnapshot-management/devicesnapshots/{id}`
(HTTP method = GET)

URI Parameters

Parameter	Description
id	ID of the device snapshot management.

Produces

- `vnd.juniper.servicenow.devicesnapshot-management.devicesnapshot+xml;version=1`
- `vnd.juniper.servicenow.devicesnapshot-management.devicesnapshot+json;version=1`

Response

Element	Description
status	Status of iJMB submission to JSS.
siteId	ID of the site to which the device is associated.
organizationName	Organization to which the device is associated.
deviceGroupName	Device group name to which this device is associated.
ipAddr	Device IP address.
product	Device product name.
platform	Device platform.
hostName	Device hostname.

Element	Description
release	Release number of software currently installed on the device.
version	Release version of software currently installed on the device.

Response Status Code

Message	Description
404 Not Found	Invalid snapshot ID specified.

Output

Example XML Output

```
<devicesnapshot
uri="/api/juniper/servicenow/devicesnapshot-management/devicesnapshots/196618">

  <id>196618</id>
  <status>Initial(Not submitted: Filter";Do not send Device Snapshots"; is
selected)</status>
  <siteId>CJ18841</siteId>
  <filterLevel>Do not send</filterLevel>
  <organizationName>k</organizationName>
  <deviceGroupName>k</deviceGroupName>

  <prbIdentifier>SN-SRX1400test-BH4610AA0024-20120329-111202-999</prbIdentifier>

  <device href="/api/juniper/servicenow/device-management/devices/196610">
    <id>196610</id>
    <serialNumber>BH4610AA0024</serialNumber>
    <ipAddr>10.205.49.11</ipAddr>
    <product>SRX1400</product>
    <platform>junos-es</platform>
    <hostName>SN-SRX1400test</hostName>
    <release>10.4</release>
    <version>R7</version>
  </device>
</devicesnapshot>
```

Example JSON Output

```
{
  "devicesnapshot":
  {

    "@uri":"/api/juniper/servicenow/devicesnapshot-management/devicesnapshots/196618",

    "id":196618,
    "status":"Initial(Not submitted: Filter \"Do not send Device Snapshots\" is
selected)",
    "siteId":"CJ18841",
    "filterLevel":"Do not send",
    "organizationName":"k",
    "deviceGroupName":"k",
```

```
"prbIdentifier":"SN-SRX1400test-BH4610AA0024-20120329-111202-999",
"device":
{
  "@href":"/api/juniper/servicenow/device-management/devices/196610",
  "id":196610,"serialNumber":"BH4610AA0024",
  "ipAddr":"10.205.49.11",
  "product":"SRX1400",
  "platform":"junos-es",
  "hostName":"SN-SRX1400test",
  "release":10.4,
  "version":"R7"
}
}
```

Additional Notes

To get the device snapshot for specific device, you can use the filter parameter. For example, the following URI retrieves the device snapshot for the SN-SRX1400test device.

`https://[host]/api/juniper/servicenow/devicesnapshot-management/devicesnapshots?filter=(hostName eq 'SN-SRX1400test')` (HTTP method = GET)

```
<devicesnapshots size="1"
uri="/api/juniper/servicenow/devicesnapshot-management/devicesnapshots/">
  <devicesnapshot key="196618"
uri="/api/juniper/servicenow/devicesnapshot-management/devicesnapshots/196618"

  href="/api/juniper/servicenow/devicesnapshot-management/devicesnapshots/196618">

    <hostName>SN-SRX1400test</hostName>
    <product>SRX1400</product>
    <status>Initial(Not submitted: Filter "Do not send Device Snapshots" is
selected)</status>
  </devicesnapshot>
</devicesnapshots>
```

Related Documentation

- [Device Snapshot Management REST API Overview on page 137](#)
- [Get All Device Snapshots in Service Now on page 138](#)
- [Export Device Snapshot Information by Device ID on page 142](#)
- [Delete Device Snapshot by Device Snapshot ID on page 143](#)

Export Device Snapshot Information by Device ID

Use the Export Device Snapshot Information by Device ID operation to export the Information Juniper Message Bundles (iJMBs) that contain information about devices.

URI

`https://[host]/api/juniper/servicenow/devicesnapshot-management/devicesnapshots/{id}/export`
(HTTP method = GET)

URI Parameters

None.

Produces

application/octet-stream

Response Status Code

Message	Description
404 Not Found	Invalid device snapshot ID specified.

Related Documentation

- [Device Snapshot Management REST API Overview on page 137](#)
- [Get All Device Snapshots in Service Now on page 138](#)
- [Get Device Snapshot Info by Device ID on page 140](#)
- [Delete Device Snapshot by Device Snapshot ID on page 143](#)

Delete Device Snapshot by Device Snapshot ID

Use the Delete Device Snapshot by Device Snapshot ID operation to delete the device snapshot information of a specific device from Service Now.

URI

`https://[host]/api/juniper/servicenow/devicesnapshot-management/devicesnapshots/{id}`
(HTTP method = DELETE)

URI Parameters

Parameter	Description
id	ID of the device snapshot.

Produces

- vnd.juniper.servicenow.devicesnapshot-management.ServiceNowMsg+xml;version=1
- vnd.juniper.servicenow.devicesnapshot-management.ServiceNowMsg+json;version=1

Response Status Code

Message	Description
404 Not Found	Invalid JMB ID specified.

Output

Example XML Output `<servicenowmsg>
 <msg> Device Snapshot deleted successfully </msg>
</servicenowmsg>`

Example JSON Output `servicenowmsg:{
 msg: 'Device Snapshot deleted successfully'
}`

- Related Documentation**
- [Device Snapshot Management REST API Overview on page 137](#)
 - [Get All Device Snapshots in Service Now on page 138](#)
 - [Get Device Snapshot Info by Device ID on page 140](#)
 - [Export Device Snapshot Information by Device ID on page 142](#)

CHAPTER 11

JMB Error Management

- [Service Now JMB Error Management REST API Overview on page 145](#)
- [Get All JMBs With Errors in Service Now on page 146](#)
- [Get JMB with Error Information by JMB ID on page 147](#)
- [Delete JMB with Errors by JMB ID on page 149](#)
- [Export JMBs with Errors by JMB ID on page 150](#)

Service Now JMB Error Management REST API Overview

The `/api/juniper/servicenow/jmb-error-management` resource is available under `https://[host]/api/juniper/servicenow`.

End customer cases are applicable only for Service Now running in mode. It displays all cases belonging to the end customers of Service Now.

URI

`https://[host]/api/juniper/servicenow/jmb-error-management` (HTTP method = GET)

Produces

- `vnd.juniper.servicenow.servicenow-jmb-error-management+xml;version=1`
- `vnd.juniper.servicenow.servicenow-jmb-error-management+json;version=1`

Output

Example XML Output

```
<servicenow-jmb-error-management>
  <collection href="/api/juniper/servicenow/jmb-error-management/jmbs" rel="JMB
  Errors"/>
</servicenow-jmb-error-management>
```

Example JSON Output

```
{
  "servicenow-jmb-error-management":
    {
      "collection":{
        "@href":"/api/juniper/servicenow/jmb-error-management/jmbs",
        "@rel":"JMB Errors"
      }
    }
}
```

Related Documentation

- [Get All JMBs With Errors in Service Now on page 146](#)
- [Get JMB with Error Information by JMB ID on page 147](#)
- [Delete JMB with Errors by JMB ID on page 149](#)
- [Export JMBs with Errors by JMB ID on page 150](#)

Get All JMBs With Errors in Service Now

Service Now identifies the JMBs with errors. JMBs with errors are JMBs that do not comply with the standard data structure or other data elements that Service Now accepts. Use the Get All JMBs With Errors in Service Now operation to view all JMBs with errors.

URI

`https://[host]/api/juniper/servicenow/jmb-error-management/jmbs` (HTTP method = GET)

URI Parameters

None.

Produces

- `vnd.juniper.servicenow.servicenow-jmb-error-management.invalidjmbs+xml;version=1`
- `vnd.juniper.servicenow.servicenow-jmb-error-management.invalidjmbs+json;version=1`

Response

Element	Description
status	JMB status.
jmbName	Name of JMB that contains errors.
id	Unique identifier of JMB that contains errors.
deviceId	ID of the device where the error occurred.

Response Status Code

Message	Description
204 No Content	No JMBs with errors found in Service Now.

Output**Example XML Output**

```
<jmbErrors uri="/api/juniper/servicenow/jmb-error-management/jmbs/" size="1">
  <jmbError uri="/api/juniper/servicenow/jmb-error-management/jmbs/360449">
    <filterLevel>4</filterLevel>
```



```

    <status>invalid</status>
    <jmbName>_ais_intel_20120220_103329.xml</jmbName>
    <id>360449</id>
    <deviceId>99511</deviceId>
  </jmbError>
</jmbErrors>

```

Example JSON Output

```

{"jmbErrors":{
  "@uri":"/api/juniper/servicenow/jmb-error-management/jmbs",
  "@size":"2",
  "jmbError":[
    {
      "@uri":"/api/juniper/servicenow/jmb-error-management/jmbs/197401",
      "filterLevel":1,
      "status":"invalid",
      "jmbName":"SN-SRX1400test_ais_intel_20120329_111913.xml",
      "id":197401,
      "deviceId":196610},
    {
      "@uri":"/api/juniper/servicenow/jmb-error-management/jmbs/197403",
      "filterLevel":1,
      "status":"invalid",
      "jmbName":"SN-SRX1400test_ais_prob_20120329_111529.xml",
      "id":197403,
      "deviceId":196610}
  ]
}
}

```

Related Documentation

- [Service Now JMB Error Management REST API Overview on page 145](#)
- [Get JMB with Error Information by JMB ID on page 147](#)
- [Delete JMB with Errors by JMB ID on page 149](#)
- [Export JMBs with Errors by JMB ID on page 150](#)

Get JMB with Error Information by JMB ID

Service Now identifies the JMBs with errors. JMBs with errors are JMBs that do not comply with the standard data structure or other data elements that Service Now accepts. Use the Get JMB with Error Information by JMB ID operation to view a specific JMB with errors.

URI

`https://[host]/api/juniper/servicenow/jmb-error-management/jmbs/{id}` (HTTP method = GET)

URI Parameters

Parameter	Description
id	Unique identifier of the JMB with errors.

Produces

- application/vnd.juniper.servicenow.servicenow-jmb-error-management:jmberror+xml;version=1
- application/vnd.juniper.servicenow.servicenow-jmb-error-management:jmberror+json;version=1

Response

Element	Description
status	JMB status.
jmbName	Name of JMB that contains errors.
id	Unique identifier of JMB that contains errors.
jmbErrorMessage	Brief description of the error.

Response Status Code

Message	Description
404 Not Found	No JMBs with errors found with that ID number.

Output**Example XML Output**

```
<jmbError uri="/api/juniper/servicenow/jmb-error-management/jmbs/360449">
  <filterLevel>4</filterLevel>
  <status>invalid</status>
  <jmbName>_ais_intel_20120220_103329.xml</jmbName>
  <jmbErrorMessage>JMB validation failed - cvc-complex-type.2.4.a: Invalid content
was found starting with element 'host-event-ID'.
    One of '{&quot;http://xml.juniper.net/xnm/1.1/xnm&quot;;jmb-xsd-version}' is
expected.</jmbErrorMessage>
  <id>360449</id>
  <deviceId>99511</deviceId>
</jmbError>
```

Example JSON Output

```
{ "jmbError":
  { "@uri": "/api/juniper/servicenow/jmb-error-management/jmbs/197401",
    "filterLevel": 1,
    "status": "invalid",
    "jmbName": "SN-SRX1400test_ais_intel_20120329_111913.xml",
    "jmbErrorMessage": "JMB validation failed - cvc-complex-type.2.4.a: Invalid
content was found starting with element 'host-event-ID'.
      One of '{\"http://xml.juniper.net/xnm/1.1/xnm\":jmb-xsd-version}' is expected.",
    "id": 197401,
    "deviceId": 196610
  }
}
```

Related Documentation

- [Service Now JMB Error Management REST API Overview on page 145](#)
- [Get All JMBs With Errors in Service Now on page 146](#)
- [Delete JMB with Errors by JMB ID on page 149](#)
- [Export JMBs with Errors by JMB ID on page 150](#)

Delete JMB with Errors by JMB ID

Use the Delete JMB with Errors by JMB ID operation to remove a specific JMB with errors from Service Now.

URI

`https://[host]/api/juniper/servicenow/jmb-error-management/jmbs{id}` (HTTP method = DELETE)

URI Parameters

Parameter	Description
id	Unique identifier of the JMB with errors.

Produces

- `application/vnd.juniper.servicenow.servicenow-jmb-error-management:jmberror+xml;version=1`
- `application/vnd.juniper.servicenow.servicenow-jmb-error-management:jmberror+json;version=1`

Response Status Code

Message	Description
404 Not Found	No JMBs with errors found with that ID number.

Output**Example XML Output**

```
<servicenowmsg>
  <msg>JMB Error successfully deleted</msg>
</servicenowmsg>
```

Example JSON Output

```
servicenowmsg:{
  msg:'JMB Error successfully deleted'
}
```

Related Documentation

- [Service Now JMB Error Management REST API Overview on page 145](#)
- [Get All JMBs With Errors in Service Now on page 146](#)
- [Get JMB with Error Information by JMB ID on page 147](#)
- [Export JMBs with Errors by JMB ID on page 150](#)

Export JMBs with Errors by JMB ID

Use the Export JMB with Errors by JMB ID operation to export a specific JMB with errors from Service Now.

URI

`https://[host]/api/juniper/servicenow/jmb-error-management/jmbs/{id}/export` (HTTP method = GET)

URI Parameters

Parameter	Description
id	Unique identifier of the JMB with errors.

Produces

application/octet-stream

Response Status Code

Message	Description
404 Not Found	No JMBs with errors found with that ID number.

Related Documentation

- [Service Now JMB Error Management REST API Overview on page 145](#)
- [Get All JMBs With Errors in Service Now on page 146](#)
- [Get JMB with Error Information by JMB ID on page 147](#)
- [Delete JMB with Errors by JMB ID on page 149](#)

CHAPTER 12

Organization Management

- [Service Now Organization Management REST API Overview on page 151](#)
- [Get All Organizations in Service Now on page 153](#)
- [Get Organization Info by ID on page 155](#)
- [Get Sites Info on page 157](#)
- [Delete Organization by Organization ID on page 159](#)
- [Get JMB Filter Levels Info on page 160](#)
- [Get Case Submission Values on page 161](#)
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- [Modify Organization By ID on page 165](#)
- [Add Connected Member Info by ID on page 167](#)
- [Modify Connected Member by ID on page 169](#)

Service Now Organization Management REST API Overview

The **/api/juniper/servicenow/organization-management** resource is available under `https://[host]/api/juniper/servicenow`.

To open technical support cases and share iJMBs with Juniper Networks, you must first set up an organization in Service Now. An organization represents a unique Clarify site ID in JSS that is used to identify customers while providing technical support. After creating an organization, you can test its connectivity with JSS and even set the submission of incidents as test cases. If you are a Juniper Networks or a direct customer with multiple distinct networks, you can use multiple Service Now organizations to keep customers or networks separate.

URI

`https://[host]/api/juniper/servicenow/organization-management` (HTTP method = GET)

Produces

- `vnd.juniper.servicenow.organization-management+xml;version=1`
- `vnd.juniper.servicenow.organization-management+json;version=1`

Output

Example XML Output

```
<servicenow-organization-management>
  <collection href="/api/juniper/servicenow/organization-management/organization"
rel="organizations"/>
  <collection href="/api/juniper/servicenow/organization-management/sites"
rel="sites"/>
  <collection href="/api/juniper/servicenow/organization-management/jmbfilterlevels"
rel="jmbFilterLevels"/>
  <collection
href="/api/juniper/servicenow/organization-management/casesubmissionvalues"
rel="casesubmissionvalues"/>
  <collection
href="/api/juniper/servicenow/organization-management/addorganization"
rel="addorganization"/>
  <collection
href="/api/juniper/servicenow/organization-management/addconnectedmember"
rel="addconnectedmember"/>
</servicenow-organization-management>
```

Example JSON Output

```
{ "servicenow-organization-management": {
  "collection": [
    {
      "@href": "/api/juniper/servicenow/organization-management/organization",
      "@rel": "organizations",
    },
    {
      "@href": "/api/juniper/servicenow/organization-management/sites",
      "@rel": "sites",
    },
    {
      "@href": "/api/juniper/servicenow/organization-management/jmbfilterlevels",
      "@rel": "jmbFilterLevels",
    },
    {
      "@href": "/api/juniper/servicenow/organization-management/casesubmissionvalues",
      "@rel": "casesubmissionvalues",
    },
    {
      "@href": "/api/juniper/servicenow/organization-management/addorganization",
      "@rel": "addorganization",
    },
    {
      "@href": "/api/juniper/servicenow/organization-management/addconnectedmember",
      "@rel": "addconnectedmember",
    },
  ]
}
```

Related Documentation

- [Get All Organizations in Service Now on page 153](#)
- [Get Organization Info by ID on page 155](#)

- [Get Sites Info on page 157](#)
- [Delete Organization by Organization ID on page 159](#)
- [Get JMB Filter Levels Info on page 160](#)
- [Get Case Submission Values on page 161](#)
- [Add Organization on page 162](#)
- [Modify Organization By ID on page 165](#)
- [Add Connected Member Info by ID on page 167](#)
- [Modify Connected Member by ID on page 169](#)

Get All Organizations in Service Now

Use the Get All Organizations in Service Now method to retrieve all organizations.

URI

`https://[host]/api/juniper/servicenow/organization-management/organization/` (HTTP method = GET)

URI Parameters

None.

Produces

- `vnd.juniper.servicenow.organization-management.organizations+xml;version=1`
- `vnd.juniper.servicenow.organization-management.organizations+json;version=1`

Response Status Code

Message	Description
204 No Content	No organizations found in Service Now.

Output

Example XML Output

```
<organizations size="1"
uri="/api/juniper/servicenow/organization-management/organization/">
  <organization key="99507"
uri="/api/juniper/servicenow/organization-management/organization/99507"
href="/api/juniper/servicenow/organization-management/organization/99507">
    <siteName>test</siteName>
    <siteIdentifier>CJ18841</siteIdentifier>
    <jnprUser>pvsuser@pvsuser1.net</jnprUser>
    <connectionStatus>Success</connectionStatus>
    <isConnectedMember>>false</isConnectedMember>
    <submit-case-as>Real Cases</submit-case-as>
  </organization>
</organizations>
```

Example JSON Output

```
{
  "organizations":
  {
    "@size": "1",
    "@uri": "/api/juniper/servicenow/organization-management/organization/",
    "organization": {
      "@key": "99507",

      "@uri": "/api/juniper/servicenow/organization-management/organization/99507"

      , "@href": "/api/juniper/servicenow/organization-management/organization/99507",
        "siteName": "test",
        "siteIdentifier": "CJ18841",
        "jnprUser": "pvsuser@pvsuser1.net",
        "connectionStatus": "Success",
        "isConnectedMember": false,
        "submit-case-as": "Real Cases"
      }
    }
  }
}
```

Get An Organization Through its Site Name

To get an organization by specifying it's site name, use a filter as shown in the example below:

[https://\[host\]/api/juniper/servicenow/organization-management/organization?filter=\(siteName eq 'test'\)](https://[host]/api/juniper/servicenow/organization-management/organization?filter=(siteName eq 'test')) (HTTP method = GET)

An example XML output when specifying the site name is shown below:

```
<organizations size="1"
uri="/api/juniper/servicenow/organization-management/organization">
  <organization key="99508"
uri="/api/juniper/servicenow/organization-management/organization/99508"
href="/api/juniper/servicenow/organization-management/organization/99508">
    <siteName>test</siteName>
    <siteIdentifier>CJ18841</siteIdentifier>
    <jnprUser>pvsuser@pvsuser1.net</jnprUser>
    <connectionStatus>Success</connectionStatus>
    <isConnectedMember>>false</isConnectedMember>
    <submit-case-as>Real Cases</submit-case-as>
  </organization>
</organizations>
```

Get An Organization By Specifying a Partial Site Name

To get an organization by specifying characters contained in the site name, use a filter as shown in the example below:

[https://\[host\]/api/juniper/servicenow/organization-management/organization?filter=\(siteName contains 'test'\)](https://[host]/api/juniper/servicenow/organization-management/organization?filter=(siteName contains 'test')) (HTTP method = GET)

An example XML output when specifying the organization name is shown below:


```

<organizations size="2"
uri="/api/juniper/servicenow/organization-management/organization">
  <organization key="99508"
uri="/api/juniper/servicenow/organization-management/organization/99508"
href="/api/juniper/servicenow/organization-management/organization/99508">
    <siteName>test</siteName>
    <siteIdentifier>CJ18841</siteIdentifier>
    <jnprUser>pvsuser@pvsuser1.net</jnprUser>
    <connectionStatus>Success</connectionStatus>
    <isConnectedMember>>false</isConnectedMember>
    <submit-case-as>Real Cases</submit-case-as>
  </organization>
  <organization key="819202"
uri="/api/juniper/servicenow/organization-management/organization/819202"
href="/api/juniper/servicenow/organization-management/organization/819202">
    <siteName>test123</siteName>
    <siteIdentifier>00001604</siteIdentifier>
    <jnprUser>pvsuser@pvsuser1.net</jnprUser>
    <connectionStatus>Success</connectionStatus>
    <isConnectedMember>>false</isConnectedMember>
    <submit-case-as>Real Cases</submit-case-as>
  </organization>
</organizations>

```

Related Documentation

- [Service Now Organization Management REST API Overview on page 151](#)
- [Get Organization Info by ID on page 155](#)
- [Get Sites Info on page 157](#)
- [Delete Organization by Organization ID on page 159](#)
- [Get JMB Filter Levels Info on page 160](#)
- [Get Case Submission Values on page 161](#)
- [Add Organization on page 162](#)
- [Modify Organization By ID on page 165](#)
- [Add Connected Member Info by ID on page 167](#)
- [Modify Connected Member by ID on page 169](#)

Get Organization Info by ID

Use the Get Organization Info by ID to retrieve a specific organization through it's associated ID.

URI

`https://[host]/api/juniper/servicenow/organization-management/organization/{id}`
(HTTP method = GET)

URI Parameters

Element	Description
id	ID of the organization from where you want to retrieve information.

Produces

- vnd.juniper.servicenow.organization-management.organization+xml;version=2
- vnd.juniper.servicenow.organization-management.organization+json;version=2

Response Status Code

Message	Description
404 Not Found	Invalid organization ID

Output

Example XML Output

```
<organization
uri="/api/juniper/servicenow/organization-management/organization/99507">
  <id>99507</id>
  <siteName>TestConnectedMember</siteName>
  <siteldentifier>- - -</siteldentifier>
  <jnprUser>test@test.com</jnprUser>
  <connectionStatus>Success</connectionStatus>
  <jmbFilterValue>Do not send</jmbFilterValue>
  <isConnectedMember>>false</isConnectedMember>
  <overrideEAddress>>true</overrideEAddress>
</organization>
```

Example JSON Output

```
{
  "organization":
  {
    "@uri":"/api/juniper/servicenow/organization-management/organization/99507",
    "id":99507,
    "siteName":"TestConnectedMember",
    "siteldentifier":"- - -",
    "jnprUser":"test@test.com",
    "connectionStatus":"Success",
    "jmbFilterValue":"Do not send",
    "isConnectedMember":false,
    "isConnectedMember":true
  }
}
```

Related Documentation

- [Service Now Organization Management REST API Overview on page 151](#)
- [Get All Organizations in Service Now on page 153](#)
- [Get Sites Info on page 157](#)

- [Delete Organization by Organization ID on page 159](#)
- [Get JMB Filter Levels Info on page 160](#)
- [Get Case Submission Values on page 161](#)
- [Add Organization on page 162](#)
- [Modify Organization By ID on page 165](#)
- [Add Connected Member Info by ID on page 167](#)
- [Modify Connected Member by ID on page 169](#)

Get Sites Info

Use the Get Sites Info to retrieve information about all sites currently in Service Now.

URI

`https://[host]/api/juniper/servicenow/organization-management/sites` (HTTP method = POST)

URI Parameters

None.

Produces

- `vnd.juniper.servicenow.organization-management.organization+xml;version=1`
- `vnd.juniper.servicenow.organization-management.organization+json;version=1`

Consumes

- `vnd.juniper.servicenow.organization-management.organization+xml;version=1;charset=UTF-8`
- `vnd.juniper.servicenow.organization-management.organization+json;version=1;charset=UTF-8`

Example Input

Example XML Input

```
<organization>
  <userName>pvsuser@pvsuser1.net</userName>
  <password> Y2syM2lyNzQ=</password>
</organization>
```

Example JSON Output

```
{
  "organization": {
    "userName": "pvsuser@pvsuser1.net",
    "password": " Y2syM2lyNzQ="
  }
}
```



NOTE: The password should be Base64 encrypted.

Response Status Code

Message	Description
204 No Content	No Sites found.
400 Bad Request	One of the following: <ul style="list-style-type: none">• No user name specified in the input.• User name is too long. Maximum allowed characters for user name is 128.• No password specified in the input.• Password is too long. Maximum allowed characters for password is 32.

Output

Example XML Output

```
<organization uri="/api/juniper/servicenow/organization-management/sites">
  <connectionStatus>Success</connectionStatus>
  <userName>pvsuser@pvsuser1.net</userName>
  <isConnectedMember>>false</isConnectedMember>
  <sites size="8">
    <site>
      <siteId>CJ18841</siteId>
    </site>
    <site>
      <siteId>00001604</siteId>
    </site>
    <site>
      <siteId>00001697</siteId>
    </site>
    <site>
      <siteId>17151</siteId>
    </site>
    <site>
      <siteId>AIS-105-1</siteId>
    </site>
    <site>
      <siteId>CJ481356</siteId>
    </site>
    <site>
      <siteId>CJ63734</siteId>
    </site>
    <site>
      <siteId>N49825</siteId>
    </site>
  </sites>
</organization>
```

Example JSON Output

```
{
  "organization": {
    "@uri": "/api/juniper/servicenow/organization-management/sites",
    "connectionStatus": "Success",
    "userName": "pvsuser@pvsuser1.net",
  }
}
```

```

    "isConnectedMember":false,
    "sites":
    {
      "@size":"8","site":[
        {"siteId":"CJ18841"},
        {"siteId":"00001604"},
        {"siteId":"00001697"},
        {"siteId":"17151"},
        {"siteId":"AIS-105-1"},
        {"siteId":"CJ481356"},
        {"siteId":"CJ63734"},
        {"siteId":"N49825"}
      ]
    }
  }
}

```

Related Documentation

- [Service Now Organization Management REST API Overview on page 151](#)
- [Get All Organizations in Service Now on page 153](#)
- [Get Organization Info by ID on page 155](#)
- [Delete Organization by Organization ID on page 159](#)
- [Get JMB Filter Levels Info on page 160](#)
- [Get Case Submission Values on page 161](#)
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- [Modify Organization By ID on page 165](#)
- [Add Connected Member Info by ID on page 167](#)
- [Modify Connected Member by ID on page 169](#)

Delete Organization by Organization ID

Use the Delete Organization by Organization ID method to remove a specific organization from Service Now.

URI

`https://[host]/api/juniper/servicenow/organization-management/organization/{id}`
(HTTP method = DELETE)

URI Parameters

None.

Produces

- `vnd.juniper.servicenow.organization-management.servicenowmsg+xml;version=1`
- `vnd.juniper.servicenow.organization-management.servicenowmsg+json;version=1`

Response

None.

Response Status Code

Message	Description
404 Not Found	Invalid organization ID. No organization found with that ID.

Output

Example XML Output

```
<servicenowmsg>
  <msg> Organization deleted successfully</msg>
</servicenowmsg>
```

Example JSON Output

```
servicenowmsg:{
  msg: ' Organization deleted successfully'
}
```

Related Documentation

- [Service Now Organization Management REST API Overview on page 151](#)
- [Get All Organizations in Service Now on page 153](#)
- [Get Organization Info by ID on page 155](#)
- [Get Sites Info on page 157](#)
- [Get JMB Filter Levels Info on page 160](#)
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Get JMB Filter Levels Info

JMB filter levels specify the amount of device configuration information in JMBs to be shared with JSS. For example, do not send any configuration information, send all device information except the configuration, and so forth. use the Get JMB Filter Levels to retrieve the filtering list.

URI

[https://\[host\]/api/juniper/servicenow/organization-management/jmbfilterlevels](https://[host]/api/juniper/servicenow/organization-management/jmbfilterlevels) (HTTP metod = GET)

URI Parameters

None.

Produces

- vnd.juniper.servicenow.organization-management.servicenowmsg+xml;version=1
- vnd.juniper.servicenow.organization-management.servicenowmsg+json;version=1

Response

None.

Output**Example XML Output**

```
<servicenowmsg>
  <msg>Do not send,Send all information except configuration,Send all information
with IP addresses overwritten,Send all information,Only send list of features used</msg>
</servicenowmsg>
```

Example JSON Output

```
{"servicenowmsg":
{"msg":"Do not send,Send all information except configuration,Send all information
with IP addresses overwritten,Send all information,Only send list of features used"}
}
```

Related Documentation

- [Service Now Organization Management REST API Overview on page 151](#)
- [Get All Organizations in Service Now on page 153](#)
- [Get Organization Info by ID on page 155](#)
- [Get Sites Info on page 157](#)
- [Delete Organization by Organization ID on page 159](#)
- [Get Case Submission Values on page 161](#)
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- [Modify Organization By ID on page 165](#)
- [Add Connected Member Info by ID on page 167](#)
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Get Case Submission Values

Case submission values indicate whether the case that is sent to JSS is a real case or a test case that is sent in a production environment. Use the Get Case Submission Values method to retrieve all possible submission values.

URI

https://[host]/api/juniper/servicenow/organization-management/casesubmissionvalues
(HTTP method =GET)

URI Parameters

None.

Produces

- vnd.juniper.servicenow.organization-management.servicenowmsg+xml;version=1
- vnd.juniper.servicenow.organization-management.servicenowmsg+json;version=1

Response

None.

Output

Example XML Output <servicenowmsg><msg>Real Cases,Test Cases</msg></servicenowmsg>

Example JSON Output {"servicenowmsg":
 {
 "msg":"Real Cases,Test Cases"
 }
}

**Related
Documentation**

- [Service Now Organization Management REST API Overview on page 151](#)
- [Get All Organizations in Service Now on page 153](#)
- [Get Organization Info by ID on page 155](#)
- [Get Sites Info on page 157](#)
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Add Organization

An organization in Service Now represents a unique Clarify site ID in Juniper Support Systems (JSS). JSS uses Clarify Site IDs to identify customers when providing technical support. You can manage multiple sites (each with its own Clarify site ID) using multiple organizations defined in Service Now with just one Service Now installation. This is done by dividing the network into multiple logical customer sites. To communicate with JSS, a Service Now organization requires a site ID, login name, and password. The login name must be a contact associated with the site ID.

Use the Add Organization method to add an organization to Service Now.

URI

https://[host]/api/juniper/servicenow/ organization-management/addorganization
(HTTP metod = POST)

URI Parameters

None.

Produces

- vnd.juniper.servicenow.organization-management.servicenowmsg+xml;version=1
- vnd.juniper.servicenow.organization-management.servicenowmsg+json;version=1

Consumes

- vnd.juniper.servicenow.organization-management.organization+xml;version=1;charset=UTF-8
- vnd.juniper.servicenow.organization-management.organization+json;version=1;charset=UTF-8

Input**Example XML Input**

```
<organization>
  <siteName>testOrg</siteName>
  <siteIdentifier>CJ18841</siteIdentifier>
  <userName>pvsuser@pvsuser1.net</userName>
  <password>Y2syM2lyNzQ=</password>
  <jmbFilterValue>Do not send</jmbFilterValue>
  <submit-case-as>Real Cases</submit-case-as>
</organization>
```

Example JSON Input

```
{
  "organization": {
    "siteName": "sampleTestOrg",
    "siteIdentifier": "00001604",
    "userName": "pvsuser@pvsuser1.net",
    "password": "Y2syM2lyNzQ=",
    "jmbFilterValue": "Do not send",
    "submit-case-as": "Real Cases"
  }
}
```

The password should be Base64 encrypted. If Service Now is in Mode or Stand-Alone Mode, all attributes in the above examples are required.

If Service Now is in End-Customer Mode, then siteIdentifier is not required.

Example XML Input for End-Customer Mode

```
<organization>
  <siteName>testOrg</siteName>
  <userName>pvsuser@pvsuser1.net</userName>
  <password>Y2syM2lyNzQ= </password>
  <jmbFilterValue>Do not send</jmbFilterValue>
  <submit-case-as>Real Cases</submit-case-as>
</organization>
```

Example JSON Input for End-Customer Mode

```
{
  "organization": {
    "siteName": "sampleTestOrg",
    "userName": "pvsuser@pvsuser1.net",
    "password": "Y2syM2lyNzQ=",
    "jmbFilterValue": "Do not send",
  }
}
```

```

    "submit-case-as": "Real Cases"
  }
}

```

If the Service Now is in Offline mode then only the siteName and jmbFilterValue attributes are required.

Example XML Input for Offline Mode

```

<organization>
  <siteName>testOrg</siteName>
  <jmbFilterValue>Do not send</jmbFilterValue>
</organization>

```

Example JSON Input for Offline Mode

```

{
  "organization": {
    "siteName": "sampleTestOrg",
    "jmbFilterValue": "Do not send",
  }
}

```

Response

None.

Response Status Code

Message	Description
404 Not Found	<p>One of the following:</p> <ul style="list-style-type: none"> • Site name is required but is not specified. • Site name is too long. The maximum number of characters allowed is 64. • Site name has an invalid character. Site Names must begin with a letter having only alphanumeric (a-z0-9),underscores (_),spaces and hyphens (-) • User name is required but is not specified. • User name is too long. The maximum number of characters is 128. • Password is required but is not specified. • Password is too long. The maximum number of characters is 32. • jmbFilterValue is required but is not specified. • jmbFilterValue contains an invalid value. • submit-case-as is required but is not specified.

Output

Example XML Output

```

<servicenowmsg><msg>Organization created successfully. Successful Registration:
Service Now Successfully Connected to Juniper Technical
Support.</msg></servicenowmsg>

```

Example JSON Output

```

{"servicenowmsg":
{
  "msg": "Organization created successfully. Successful Registration: Service Now
Successfully Connected to Juniper Technical Support."
}
}

```

Related Documentation

- [Service Now Organization Management REST API Overview on page 151](#)
- [Get All Organizations in Service Now on page 153](#)
- [Get Organization Info by ID on page 155](#)
- [Get Sites Info on page 157](#)
- [Delete Organization by Organization ID on page 159](#)
- [Get JMB Filter Levels Info on page 160](#)
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- [Modify Organization By ID on page 165](#)
- [Add Connected Member Info by ID on page 167](#)
- [Modify Connected Member by ID on page 169](#)

Modify Organization By ID

An organization in Service Now represents a unique Clarify site ID in Juniper Support Systems (JSS). JSS uses Clarify Site IDs to identify customers when providing technical support. You can manage multiple sites (each with its own Clarify site ID) using multiple organizations defined in Service Now with just one Service Now installation. This is done by dividing the network into multiple logical customer sites. To communicate with JSS, a Service Now organization requires a site ID, login name, and password. The login name must be a contact associated with the site ID.

Use the Modify Organization by ID method to change the information of a specific organization.

URI

`https://[host]/api/juniper/servicenow/organization-management/organization/{id}/modifyorganization`
(HTTP method = POST)

URI Parameters

None.

Produces

- `vnd.juniper.servicenow.organization-management.servicenowmsg+xml;version=1`
- `vnd.juniper.servicenow.organization-management.servicenowmsg+json;version=1`

Consumes

- `vnd.juniper.servicenow.organization-management.organization+xml;version=1; charset=UTF-8`
- `vnd.juniper.servicenow.organization-management.organization+json;version=1; charset=UTF-8`

Input

Example XML Input

```
<organization>
<siteName>modifiedOrg</siteName>
</organization>
```

Example JSON Input

```
{
  "organization": {
    "siteName": "modifiedsampleOrg",
  }
}
```

As mentioned in the Add organization method, the input attributes will differ according to the Service Now modes.

When modifying an organization, only the attribute to be modified is required. You do not need to send all the attribute values. For example, to modify the site name you should list only the new site name in the input as shown in the following examples.

**Example XML Input
Modifying the Site
Name**

```
<organization>
<siteName>testOrg</siteName>
</organization>
```

**Example JSON Input
Modifying the Site
Name**

```
{
  "organization": {
    "siteName": "sampleTestOrg",
  }
}
```

Response

None.

Response Status Code

Message	Description
404 Not Found	<p>One of the following:</p> <ul style="list-style-type: none"> Site name is required but is not specified. Site name is too long. The maximum number of characters allowed is 64. Site name has an invalid character. Site Names must begin with a letter having only alphanumeric (a-z0-9),underscores (_),spaces and hyphens (-) User name is required but is not specified. User name is too long. The maximum number of characters is 128. Password is required but is not specified. Password is too long. The maximum number of characters is 32. jmbFilterValue is required but is not specified. jmbFilterValue contains an invalid value. submit-case-as is required but is not specified.

Output

Example XML Output

```
<servicenowmsg><msg>Organization updated successfully Successful Registration:
Service Now Successfully Connected to Juniper Technical
Support.</msg></servicenowmsg>
```

Example JSON Output `{"servicenowmsg":{"msg":" Organization updated successfully Successful Registration: Service Now Successfully Connected to Juniper Technical Support."}}`

Related Documentation

- [Service Now Organization Management REST API Overview on page 151](#)
- [Get All Organizations in Service Now on page 153](#)
- [Get Organization Info by ID on page 155](#)
- [Get Sites Info on page 157](#)
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- [Add Connected Member Info by ID on page 167](#)
- [Modify Connected Member by ID on page 169](#)

Add Connected Member Info by ID

After you configure Service Now to run in proxy mode, you can add multiple end customers and manage end-customer Service Now applications over a secure https connection. The proxy can communicate with the end-customer only after the Service Now application of an end-customer is activated.

Use the Add Connected Member Info by ID method to add a connected member to Service Now.

URI

`https://[host]/api/juniper/servicenow/organization-management/organization/addconnectedmember`
(HTTP method = POST)

URI Parameters

None.

Produces

- `vnd.juniper.servicenow.organization-management.servicenowmsg+xml;version=2`
- `vnd.juniper.servicenow.organization-management.servicenowmsg+json;version=2`

Consumes

- `vnd.juniper.servicenow.organization-management.connectedmember+xml;version=2;charset=UTF-8`
- `vnd.juniper.servicenow.organization-management.connectedmember+json;version=2;charset=UTF-8`

Input

Example XML Input

```
<connectedmember>
  <siteName>TestConnectedMember</siteName>
  <userName>test@test.com</userName>
  <password> Y2syM2lyNzQ= </password>
  <jmbFilterValue>Do not send</jmbFilterValue>
  <overrideEAddress>true</overrideEAddress>
</connectedmember>
```

Example JSON Input

```
{
  "connectedmember": {
    "siteName": "sampleConnectedMember",
    "userName": "sample@test.com",
    "password": " Y2syM2lyNzQ=",
    "jmbFilterValue": "Do not send",
    "overrideEAddress": true
  }
}
```

All attributes listed in the examples above are required. Service Now ignores any other attributes specified in the input.



NOTE:

- The password needs to be Base64 encrypted.
 - It is important to specify all the attributes of sitename, username, password and jmbFilterValue.
 - Service Now ignores if any other attribute is mentioned in the input.
 - Overriding End Customer Address
 - In auto submit policy, if overrideEAddress is true, an end customer RMA Incident will be submitted to JSS with the address associated to the Device by the partner only.
 - If overrideEAddress is not specified or set to false while creating a connected member, then the address associated by EC will be sent to JSS for auto submit policy when submitting to the partner.
-

Response

None.

Response Status Code

Message	Description
503 Service Unavailable	Service Now is not in Partner Proxy Mode and Connected Member cannot be created in non partner proxy Mode.

Message	Description
400 Bad Request	<p>One of the following:</p> <ul style="list-style-type: none"> • Site name is required but is not specified. • Site name is too long. The maximum number of characters allowed is 64. • Site name has an invalid character. Site names must begin with alphanumeric (a-z, 0-9) characters. • User name is required but is not specified. • User name is too long. The maximum number of characters allowed is 64. • Password is required but is not specified. • Password is too long. The maximum number of characters is 32. • jmbFilterValue is required but is not specified. • jmbFilterValue contains an invalid value. • submit-case-as is not specified.

Output

Example XML Output `<servicenowmsg><msg>Connected Member successfully created and added to Service Now</msg></servicenowmsg>`

Example JSON Output `{"servicenowmsg":{"msg":" Connected Member successfully created and added to Service Now "}}`

Related Documentation

- [Service Now Organization Management REST API Overview on page 151](#)
- [Get All Organizations in Service Now on page 153](#)
- [Get Organization Info by ID on page 155](#)
- [Get Sites Info on page 157](#)
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- [Add Organization on page 162](#)
- [Modify Organization By ID on page 165](#)
- [Modify Connected Member by ID on page 169](#)

Modify Connected Member by ID

After you configure Service Now to run in proxy mode, you can add multiple end customers and manage end-customer Service Now applications over a secure https connection. The proxy can communicate with the end-customer only after the Service Now application of an end-customer is activated.

Use the Modify Connected Member Info by ID method to update a Service Now connected member.

URI

`https://[host]/api/juniper/servicenow/organization-management/organization/{id}/modifyconnectedmember`
(HTTP method = POST)

URI Parameters

None.

Produces

- `vnd.juniper.servicenow.organization-management.servicenowmsg+xml;version=2`
- `vnd.juniper.servicenow.organization-management.servicenowmsg+json;version=2`

Consumes

- `vnd.juniper.servicenow.organization-management.connectedmember+xml;version=2;charset=UTF-8`
- `vnd.juniper.servicenow.organization-management.connectedmember+json;version=2;charset=UTF-8`

Input

When modifying a connected member, list only the attribute to be updated. In the following examples, the site name is updated.

Example XML Input

```
<connectedmember>
  <siteName>modifiedConnectedMember</siteName>
  <overrideECAddress>>false</overrideECAddress>
</connectedmember>
```

Example JSON Input

```
{
  "connectedmember":
  {
    "siteName": "sampleConnectedMember",
    "overrideECAddress ": false,
  }
}
```

**NOTE:**

- While modifying organization, only the attributes which need to be modified is required. No need to specify all the attribute values.
 - Service Now only considers the values of sitename, username, password and jmbFilterValue.
-

Response

None.

Response Status Code

Message	Description
503 Service Unavailable	Service Now is not in proxy mode. Connected member can only be modified when Service Now is in proxy mode.
404 Not Found	Invalid Connected Member ID specified
400 Bad Request	<p>One of the following:</p> <ul style="list-style-type: none"> • Site name is required but is not specified. • Site name is too long. The maximum number of characters allowed is 64. • Site name has an invalid character. Site Names must begin with alphanumeric (a-z, 0-9) characters. • User name is required but is not specified. • User name is too long. The maximum number of characters is 64. • Password is required but is not specified. • Password is too long. The maximum number of characters is 32. • jmbFilterValue is required but is not specified. • jmbFilterValue contains an invalid value. • submit-case-as is required but is not specified.

Output**Example XML Output**

```
<servicenowmsg><msg>Connected Member updated successfully</msg></servicenowmsg>
```

Example JSON Output

```
{
  "servicenowmsg":
  {
    "msg": " Connected Member updated successfully "
  }
}
```

Related Documentation

- [Service Now Organization Management REST API Overview on page 151](#)
- [Get All Organizations in Service Now on page 153](#)
- [Get Organization Info by ID on page 155](#)
- [Get Sites Info on page 157](#)
- [Delete Organization by Organization ID on page 159](#)
- [Get JMB Filter Levels Info on page 160](#)
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- [Add Connected Member Info by ID on page 167](#)

CHAPTER 13

PBN Reports

- [Service Insight PBN Reports REST API Overview on page 173](#)
- [Generate PBN Report on page 174](#)
- [Get All PBN Reports in Service Insight on page 176](#)
- [Get All PBN Reports in Service Insight by Report ID on page 177](#)
- [Export PBN Report in Service Insight on page 179](#)
- [Delete PBN Report in Service Insight on page 179](#)

Service Insight PBN Reports REST API Overview

Service Insight provides Proactive Bug Notifications (PBNs) as a proactive measure to alert you about known issues that can impact the devices in your network. It is an effective means of communicating the information collected while helping one customer fix issues to another customer who could face similar issues in future. Using this information, which was collected when issues were reported to Juniper Networks, Service Insight identifies devices on your network with similar conditions. PBNs associated with devices on your network are matched and displayed on the Manage PBNs page. These PBNs keep you aware of the possible impacts and also of ways to fix the issue. PBNs also consist of workarounds that suggest temporary fixes and instructions that you can follow to protect your network.

The **/api/juniper/serviceinsight/pbnreport** resource is available under [https://\[host\]/api/juniper/serviceinsight](https://[host]/api/juniper/serviceinsight) for generating PBN reports.

URI

[https://\[host\]/api/juniper/serviceinsight/pbnreport-management](https://[host]/api/juniper/serviceinsight/pbnreport-management) (HTTP method = GET)

Produces

- `application/vnd.juniper.serviceinsight.pbnreport-management+xml;version=1`
- `application/vnd.juniper.serviceinsight.pbnreport-management+json;version=1`

Output

Example XML Output

```
<pbnreport>
  <collection href="/api/juniper/serviceinsight/pbnreport/pbnreports">
```

```
rel="pbnreports"/>
</pbnreport>
```

Example JSON Output

```
pbnreport:{
  collection:{
    href:'/api/juniper/serviceinsight/pbnreport/pbnreports',
    rel:'pbnreports'
  }
}
```

Related Documentation

- [Generate PBN Report on page 174](#)
- [Get All PBN Reports in Service Insight on page 176](#)
- [Get All PBN Reports in Service Insight by Report ID on page 177](#)
- [Export PBN Report in Service Insight on page 179](#)
- [Delete PBN Report in Service Insight on page 179](#)

Generate PBN Report

Service Insight provides Proactive Bug Notifications (PBNs) as a proactive measure to alert you about known issues that can impact the devices in your network. The Generate PBN Report method lets you create a PBN report for either a specific device or for all available Service Insight devices.

URI

`https://[host]/api/juniper/serviceinsight/exposureanalyzer/generatepbnreport?queue=http://[host]/api/hornet-q/queues/jms.queue.[QueueName]` (HTTP method = POST)

Consumes

- `application/vnd.juniper.serviceinsight.exposureanalyzer.generatepbnreport+xml;version=1; charset=UTF-8`
- `application/vnd.juniper.serviceinsight.exposureanalyzer.generatepbnreport+json;version=1; charset=UTF-8`

Inputs

The `<devices>` input element is optional. Specify the `<devices>` element to generate a report for a specific set of devices. If `<devices>` is not provided, then the PBN report is generated for all the available Service Insight devices.

The `<emails>` element is a list of comma-separated email addresses. An email is sent to these addresses when the report is generated. No checks are done to ensure valid email addresses.

Example XML Input

```
<pbnreport>
  <pbnreportname>NewSDKReport</pbnreportname>
  <devices>
```

```
<device href = "/api/juniper/serviceinsight/exposureanalyzer/sidevices/196609"/>
</devices>
<emails>aprasar@mycompany.net</emails>
</pbnreport>
```

Example JSON Input

```
{
  "pbnreport": {
    "pbnreportname": "FinalSDKReprt",
    "devices": {
      "device": {
        "@href": "/api/juniper/serviceinsight/exposureanalyzer/sidevices/393252"
      }
    },
    "emails": "aprasar@mycompany.net"
  }
}
```

Response

The PBN report includes the following information:

- Device name
- Device serial number
- Product or platform
- Junos OS version
- Device group
- Connected member for the device
- Service Now organization for the device
- PBN title
- PBN Juniper ID
- PBN description
- PBN customer impact

Response Status Code

Message	Description
400 Bad Request	Invalid PBN report name. Report name must begin with a letter and should have only alphanumeric (a-z0-9) characters.
400 Bad Request	Invalid PBN report name. The report name exceeds the maximum character length of 64.

Output

Example XML Output

```
<task href="/api/space/job-management/jobs/524292"><id>524292</id></task>
```

Example JSON Output

```
task:{
  href:'/api/space/job-management/jobs/524292',
  id:524292
}
```

Related Documentation

- [Service Insight PBN Reports REST API Overview on page 173](#)
- [Get All PBN Reports in Service Insight on page 176](#)
- [Get All PBN Reports in Service Insight by Report ID on page 177](#)
- [Export PBN Report in Service Insight on page 179](#)
- [Delete PBN Report in Service Insight on page 179](#)

Get All PBN Reports in Service Insight

Service Insight provides Proactive Bug Notifications (PBNs) as a proactive measure to alert you about known issues that can impact the devices in your network. In the GUI, all available PBN reports are listed in the Manage PBN Reports landing page. The Get All PBN Reports in Service Insight returns the list of all available PBN reports.

URI

https://[host]/api/juniper/serviceinsight/pbnreport-management /pbnreports (HTTP method = GET)

Produces

- application/vnd.juniper.serviceinsight.pbnreport-management.pbnreports+xml;version=1
- application/vnd.juniper.serviceinsight.pbnreport-management.pbnreports+json;version=1

Response

Element	Description
reportcreator	Username of the person that created this PBN report.
devicelist	A comma-separated list of devices to which this PBN report applies.
mailstatus	When creating PBN reports, you can specify a set of email addresses to be notified when this PBN report is generated or updated. The mailstatus element displays whether or not an email has been sent.
ID	Unique identifier of the PBN report. The ID is auto-generated by Service Now.
reportname	User-defined name for this PBN report.

Response Status Code

Message	Description
204 No Content	No reports were found.

Output

Example XML Output

```
<pbnreports uri="/api/juniper/serviceinsight/pbnreport-management/pbnreports"
size="1">
  <pbnreport
uri="/api/juniper/serviceinsight/pbnreport-management/pbnreports/753665">
    <reportCreator>super</reportCreator>
    <deviceList>elmo,re1-sur01.mx960.77.49</deviceList>
    <mailStatus>Mail not sent. SMTP server not configured for Service
Insight</mailStatus>
    <id>4915207</id>
    <reportName>SDKReport1</reportName>
  </pbnreport>
</pbnreports>
```

Example JSON Output

```
pbnreports:{
  uri:'/api/juniper/serviceinsight/pbnreport-management/pbnreports',
  size:1,
  pbnreport:{
    uri:'/api/juniper/serviceinsight/pbnreport-management/pbnreports/753665',
    reportcreator:'super',
    devicelist:'elmo,re1-sur01.mx960.77.49',
    mailstatus:'Mail not sent. SMTP server not configured for Service Insight',
    id:'4915207'
    reportname:'SDKReport1'
  }
}
```

- Related Documentation
- [Service Insight PBN Reports REST API Overview on page 173](#)
 - [Generate PBN Report on page 174](#)
 - [Get All PBN Reports in Service Insight by Report ID on page 177](#)
 - [Export PBN Report in Service Insight on page 179](#)
 - [Delete PBN Report in Service Insight on page 179](#)

Get All PBN Reports in Service Insight by Report ID

Service Insight provides Proactive Bug Notifications (PBNs) as a proactive measure to alert you about known issues that can impact the devices in your network. In the GUI, all available PBN reports are listed in the Manage PBN Reports landing page. The Get All PBN Reports in Service Insight by Report ID returns a specific PBN report.

URI

`https://[host]/api/juniper/serviceinsight/pbnreport-management /pbnreports/{id}`
(HTTP method = GET)

Produces

- `application/vnd.juniper.serviceinsight.pbnreport-management.pbnreport+xml;version=1`
- `application/vnd.juniper.serviceinsight.pbnreport-management.pbnreport+json;version=1`

Response

Element	Description
reportcreator	Username of the person that created this PBN report.
devicelist	A comma-separated list of devices to which this PBN report applies.
mailstatus	When creating PBN reports, you can specify a set of email addresses to be notified when this PBN report is generated or updated. The mailstatus element displays whether or not an email has been sent.
ID	Unique identifier of the PBN report. The ID is auto-generated by Service Now.
reportname	User-defined name for this PBN report.

Response Status Code

Message	Description
204 No Content	No reports with this ID were found.

Output

Example XML Output

```
<pbnreport
uri="/api/juniper/serviceinsight/pbnreport-management/pbnreports/753665">
  <reportCreator>super</reportCreator>
  <deviceList>elmo,re1-sur01.mx960.77.49</deviceList>
  <mailStatus>Mail not sent. SMTP server not configured for Service
Insight</mailStatus>
  <id>4915207</id>
  <reportName>SDKReport1</reportName>
</pbnreport>
```

Example JSON Output

```
pbnreport:{
  uri:'/api/juniper/serviceinsight/pbnreport-management/pbnreports/753665',
  reportcreator:'super',
  devicelist:'elmo,re1-sur01.mx960.77.49',
  mailstatus:'Mail not sent. SMTP server not configured for Service Insight',
  id:'4915207'
  reportname:'SDKReport1'
}
```


- Related Documentation**
- [Service Insight PBN Reports REST API Overview on page 173](#)
 - [Generate PBN Report on page 174](#)
 - [Get All PBN Reports in Service Insight on page 176](#)
 - [Export PBN Report in Service Insight on page 179](#)
 - [Delete PBN Report in Service Insight on page 179](#)

Export PBN Report in Service Insight

Service Insight provides Proactive Bug Notifications (PBNs) as a proactive measure to alert you about known issues that can impact the devices in your network. In the GUI, all available PBN reports are listed in the Manage PBN Reports landing page. The Export PBN Report in Service Insight method exports a specific PBN report to a Microsoft Excel format.

URI

https://[host]/api/juniper/serviceinsight/pbnreport-management/pbnreports/{id}/export
(HTTP method = GET)

Produces

application/octet-stream

Response

None

Response Status Code

Message	Description
404 No Content	No reports with this ID were found.

- Related Documentation**
- [Service Insight PBN Reports REST API Overview on page 173](#)
 - [Generate PBN Report on page 174](#)
 - [Get All PBN Reports in Service Insight on page 176](#)
 - [Get All PBN Reports in Service Insight by Report ID on page 177](#)
 - [Delete PBN Report in Service Insight on page 179](#)

Delete PBN Report in Service Insight

Service Insight provides Proactive Bug Notifications (PBNs) as a proactive measure to alert you about known issues that can impact the devices in your network. In the GUI, all available PBN reports are listed in the Manage PBN Reports landing page. The Delete PBN Report in Service Insight method deletes a specific PBN report from the database.

URI

`https://[host]/api/juniper/serviceinsight/pbnreport-management/pbnreports/{id}`
(HTTP method = DELETE)

Produces

- `application/vnd.juniper.serviceinsight.pbnreport-management.ServiceInsightMsg+xml;version=1`
- `application/vnd.juniper.serviceinsight.pbnreport-management.ServiceInsightMsg+json;version=1`

Response

If a PBN report is successfully deleted, a success message is returned.

Response Status Code

Message	Description
204 No Content	No reports with this ID were found.

Output

Example XML Output

```
<serviceinsightmsg>
  <msg>PBN Report successfully deleted</msg>
</serviceinsightmsg>
```

Example JSON Output

```
{
  "serviceinsightmsg": {
    "msg": "PBN Report successfully deleted"
  }
}
```

Related Documentation

- [Service Insight PBN Reports REST API Overview on page 173](#)
- [Generate PBN Report on page 174](#)
- [Get All PBN Reports in Service Insight on page 176](#)
- [Get All PBN Reports in Service Insight by Report ID on page 177](#)
- [Export PBN Report in Service Insight on page 179](#)

CHAPTER 14

Address Group Management

- [Address Group Management REST API Overview on page 181](#)
- [Get All Address Groups on page 183](#)
- [Get Address Group By Address Group ID on page 184](#)
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- [Modify Address Group on page 191](#)
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- [Get All End Customer Address Groups on page 201](#)
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Address Group Management REST API Overview

You can associate address locations, such as a ship-to address, to a device. The ship-to address is used by Service Now to inform the Juniper Networks logistics team where to deliver a part or device when an RMA request is generated.

The **/api/juniper/servicenow/address-group-management** resource is available under [https://\[host\]/api/juniper/servicenow](https://[host]/api/juniper/servicenow) for associating locations to a device.

URI

[https://\[host\]/api/juniper/servicenow/address-group-management](https://[host]/api/juniper/servicenow/address-group-management) (HTTP method = GET)

Produces

- `vnd.juniper.servicenow.address-group-management+xml;version=1`
- `vnd.juniper.servicenow.address-group-management+json;version=1`

Output

Example XML Output

```
<servicenow-address-group-management>
  <collection
href="/api/juniper/servicenow/address-group-management/addressGroups"
rel="Address groups"/>
  <collection
href="/api/juniper/servicenow/address-group-management/endCustomerAddressGroups"
```

```
rel="End Customer Address groups"/>
<method
href="/api/juniper/servicenow/address-group-management/addressGroups/create"
rel="Create Address Group"/>
</servicenow-address-group-management>
```



NOTE: `endCustomerAddressGroups` is displayed only when Service now is in Mode.

Example JSON Output

```
{
  "servicenow-address-group-management": {
    "collection": [
      {
        "@href": "/api/juniper/servicenow/address-group-management/addressGroups",
        "@rel": "Address groups"
      },
      {
        "@href":
"/api/juniper/servicenow/address-group-management/endCustomerAddressGroups",
        "@rel": "End Customer Address groups"
      }
    ],
    "method": {
      "@href":
"/api/juniper/servicenow/address-group-management/addressGroups/create",
      "@rel": "Create Address Group"
    }
  }
}
```



NOTE: `endCustomerAddressGroups` is displayed only when Service now is in Mode.

Related Documentation

- [Get All Address Groups on page 183](#)
- [Get Address Group By Address Group ID on page 184](#)
- [Create Address Group on page 187](#)
- [Modify Address Group on page 191](#)
- [Associate Devices to Address Group on page 194](#)
- [De-associate Devices From an Address Group on page 198](#)
- [Get All End Customer Address Groups on page 201](#)
- [Get End Customer Address Groups By ID on page 204](#)

Get All Address Groups

This method returns all address groups defined in Service Now.

URI

`https://[host]/api/juniper/servicenow/address-group-management/addressGroups`
(HTTP method = GET)

Produces

- `vnd.juniper.servicenow.address-group-management.addressgroups+xml;version=1`
- `vnd.juniper.servicenow.address-group-management.addressgroups+json;version=1`

Response

Element	Description
name	Name of the location, such as the business name.
address1 and address2	Address, such as street number and street name, to be associated with the device.
city, state and zipcode	City, State and Zip Code of the location.
devicecount	Number of devices associated with this address group.

Response Status Code

Message	Description
204 No Content	No address groups were found within Service Now.

Output

Example XML Output

```
<addressGroups size="1"
uri="/api/juniper/servicenow/address-group-management/addressGroups">
  <addressGroup
href="/api/juniper/servicenow/address-group-management/addressGroups/10551296"
key="10551296"
uri="/api/juniper/servicenow/address-group-management/addressGroups/10551296">

    <name>Juniper Networks Bangalore</name>
    <address1>Plot No. 66</address1>
    <address2>Bagmane Tech Park</address2>
    <city>Bangalore</city>
    <state>Bangalore</state>
    <country>India</country>
    <devicesCount>6</devicesCount>
    <zipCode>560093</zipCode>
```

```
</addressGroup>
</addressGroups>
```

Example JSON Output

```
{
  "addressGroups": {
    "@size": "1",
    "@uri": "/api/juniper/servicenow/address-group-management/addressGroups",
    "addressGroup": {
      "@key": "10551296",
      "@uri":
"/api/juniper/servicenow/address-group-management/addressGroups/10551296",
      "@href":
"/api/juniper/servicenow/address-group-management/addressGroups/10551296",
      "name": "Juniper Networks Bangalore",
      "address1": " Plot No. 66",
      "address2": "Bagmane Tech Park",
      "city": "Bangalore",
      "state": "Bangalore",
      "country": "India",
      "devicesCount": 6,
      "zipCode": 560093
    }
  }
}
```

Related Documentation

- [Address Group Management REST API Overview on page 181](#)
- [Get Address Group By Address Group ID on page 184](#)
- [Create Address Group on page 187](#)
- [Modify Address Group on page 191](#)
- [Associate Devices to Address Group on page 194](#)
- [De-associate Devices From an Address Group on page 198](#)
- [Get All End Customer Address Groups on page 201](#)
- [Get End Customer Address Groups By ID on page 204](#)

Get Address Group By Address Group ID

This method returns a specific address group from within in Service Now.

URI

https://[host]/api/juniper/servicenow/address-group-management/addressGroups/{id}
(HTTP method = GET)

URI Parameters

id	Address group unique identifier.

Produces

- vnd.juniper.servicenow.address-group-management.addressgroup+xml;version=1
- vnd.juniper.servicenow.address-group-management.addressgroup+json;version=1

Response

Element	Description
name	Name of the location, such as the business name.
address1 and address2	Address, such as street number and street name, to be associated with the device.
city, state and zipcode	City, State and Zip Code of the location.
createdby	Username of the person who created this address group.
creationtime	Date and time the address group was created.
modificationtime	Date and time the address group was last modified.
hostname	Hostname of the device associated with this address group.
serialnumber	Serial number of the device associated with this address group.
platform	Device platform associated with this address group.
addresstype	Specifies whether this address is a shipping address or business address. Valid values are location , shipto or both .

Response Status Code

Message	Description
404 Not Found	Invalid address group ID. No address group with this ID was found within Service Now.

Output

Example XML Output

```
<addressGroup
uri="/api/juniper/servicenow/address-group-management/addressGroups/10551296">

  <id>10551296</id>
  <name>Juniper Networks Bangalore</name>
  <address1>Plot No. 66</address1>
  <address2>Bagmane Tech Park</address2>
  <city>Bangalore</city>
  <state>Bangalore</state>
  <country>India</country>
  <createdBy>super</createdBy>
  <creationTime>2012-08-23 01:33:06 IST</creationTime>
  <modifiedTime>2012-08-23 01:33:06 IST</modifiedTime>
```

```
<zipCode>560093</zipCode>
<devices size="1" href="/api/juniper/servicenow/device-management/devices">
  <device key="1671168"
href="/api/juniper/servicenow/device-management/devices/1671168">
    <hostName>MX80-Loopback</hostName>
    <serialNumber>D4358</serialNumber>
    <platform>junos</platform>
    <addressType>Location</addressType>
  </device>
</devices>
<method
href="/api/juniper/servicenow/address-group-management/addressGroups/10551296/modify"
rel="Modify Address Group"/>
  <method
href="/api/juniper/servicenow/address-group-management/addressGroups/10551296/associateDevices"
rel="Associate Devices to Address Group"/>
  <method
href="/api/juniper/servicenow/address-group-management/addressGroups/10551296/deassociateDevices"
rel="Deassociate Devices from Address Group"/>
</addressGroup>
```

Example JSON Output

```
{
  "addressGroup": {
    "@uri":
"/api/juniper/servicenow/address-group-management/addressGroups/10551296",
    "id": 10551296,
    "name": "Juniper Networks Bangalore",
    "address1": "Plot No. 66",
    "address2": "Bagmane Tech Park",
    "city": "Bangalore",
    "state": "Bangalore",
    "country": "India",
    "createdBy": "super",
    "creationTime": "2012-08-23 01:33:06 IST",
    "modifiedTime": "2012-08-23 01:33:06 IST",
    "zipCode": 560093,
    "devices": {
      "@size": "1",
      "@href": "/api/juniper/servicenow/device-management/devices",
      "device": {
        "@key": "1867778",
        "@href": "/api/juniper/servicenow/device-management/devices/1867778",
        "hostName": "srx650_191",
        "serialNumber": "AJ4410AA0031",
        "platform": "junos-es",
        "addressType": "Location"
      }
    },
    "method": [
      {
        "@href":
"/api/juniper/servicenow/address-group-management/addressGroups/10551296/modify",
        "@rel": "Modify Address Group"
      },
      {

```



```

    "@href":
"/api/juniper/servicenow/address-group-management/addressGroups/10551296/associateDevices",

    "@rel": "Associate Devices to Address Group"
  },
  {
    "@href":
"/api/juniper/servicenow/address-group-management/addressGroups/10551296/deassociateDevices",

    "@rel": "Deassociate Devices from Address Group"
  }
]
}
}

```

Related Documentation

- [Address Group Management REST API Overview on page 181](#)
- [Get All Address Groups on page 183](#)
- [Create Address Group on page 187](#)
- [Modify Address Group on page 191](#)
- [Associate Devices to Address Group on page 194](#)
- [De-associate Devices From an Address Group on page 198](#)
- [Get All End Customer Address Groups on page 201](#)
- [Get End Customer Address Groups By ID on page 204](#)

Create Address Group

This method lets you create an address group within Service Now.

URI

`https://[host]/api/juniper/servicenow/address-group-management/addressGroups/create`
(HTTP method = POST)

URI Parameters

None

Consumes

- `vnd.juniper.servicenow.address-group-management.addressgroup+xml;version=1;charset=UTF-8`
- `vnd.juniper.servicenow.address-group-management.addressgroup+json;version=1;charset=UTF-8`

Produces

- `vnd.juniper.servicenow.address-group-management.addressgroup+xml;version=1`
- `vnd.juniper.servicenow.address-group-management.addressgroup+json;version=1`

Example Input

**Example input in XML
format**

```
<addressGroup>
  <name>Juniper Networks</name>
  <address1>Plot No. 66</address1>
  <address2>Bagmane Tech Park</address2>
  <city>Bangalore</city>
  <state>Karnataka</state>
  <country>India</country>
  <zipCode>566093</zipCode>
  <contactName>Jim</contactName>
  <contactPhone>9878906754</contactPhone>
  <alternativePhone>687677868</alternativePhone>
  <notes>This is juniper bangalore address</notes>
</addressGroup>
```

**Example input in JSON
format**

```
{
  "addressGroup": {
    "name": "Juniper Corp",
    "address1": "Plot No. 66",
    "address2": "Bagmane Tech Park",
    "city": "Bangalore",
    "state": "Bangalore",
    "country": "India",
    "zipCode": 560093
  }
}
```

Additional Information

The following fields are mandatory when creating an address group:

- name (the name field must also be unique)
- address1 (address2 is optional)
- city
- state
- country
- zipCode

Response

Element	Description
name	Name of the location, such as the business name.
address1 and address2	Address, such as street number and street name, to be associated with the device.
city, state and zipCode	City, State and Zip Code of the location.
contactname	Name of contact associated with this address group.
contactphone	Phone number of contact associated with this address group.

Element	Description
createdby	Username of the person who created this address group.
creationtime	Date and time the address group was created.
modificationtime	Date and time the address group was last modified.
hostname	Hostname of the device associated with this address group. hostname is displayed only if Service Now can obtain the device information.
serialnumber	Serial number of the device associated with this address group. serialnumber is displayed only if Service Now can obtain the device information.
platform	Device platform associated with this address group. platform is displayed only if Service Now can obtain the device information.

Response Status Code

Message	Description
400 Bad Request	<p>Indicates one of the following:</p> <ul style="list-style-type: none"> Address group name is null or empty. You cannot have a null or empty name. Address group name already exists in Service Now. Address field(s) are empty. Enter a value into address1 and optionally address2. City field is empty. Enter a value in the city field. State field is empty. Enter a valid state. Zip code field is empty. Enter a valid zip code.

Output

Example XML Output

```
<addressGroup
uri="/api/juniper/servicenow/address-group-management/addressGroups/create">
  <id>11501570</id>
  <name>Juniper Networks</name>
  <address1>Plot No. 66</address1>
  <address2>Bagmane Tech Park</address2>
  <city>Bangalore</city>
  <state>Karnataka</state>
  <country>India</country>
  <contactName>Jim</contactName>
  <contactPhone>9878906754</contactPhone>
  <alternativePhone>687677868</alternativePhone>
  <notes>This is juniper bangalore address</notes>
  <createdBy>super</createdBy>
  <creationTime>2012-08-26 04:00:21 IST</creationTime>
  <modifiedTime>2012-08-26 04:00:21 IST</modifiedTime>
  <zipCode>566093</zipCode>
```

```

<method
href="/api/juniper/servicenow/address-group-management/addressGroups/11501570/modify"
rel="Modify Address Group"/>
<method
href="/api/juniper/servicenow/address-group-management/addressGroups/11501570/associateDevices"
rel="Associate Devices to Address Group"/>
<method
href="/api/juniper/servicenow/address-group-management/addressGroups/11501570/deassociateDevices"
rel="Deassociate Devices from Address Group"/>
</addressGroup>

```

Example JSON Output

```

{
  "addressGroup": {
    "@uri": "/api/juniper/servicenow/address-group-management/addressGroups/create",

    "id": 11501572,
    "name": "Juniper Corp",
    "address1": "Plot No. 66",
    "address2": "Bagmane Tech Park",
    "city": "Bangalore",
    "state": "Bangalore",
    "country": "India",
    "contactName": "Vijay",
    "contactPhone": "1223466",
    "alternativePhone": "7777",
    "notes": "Current location",
    "createdBy": "super",
    "creationTime": "2012-08-26 15:17:38 IST",
    "modifiedTime": "2012-08-26 15:17:38 IST",
    "zipCode": 560093,
    "method": [
      {
        "@href":
"/api/juniper/servicenow/address-group-management/addressGroups/11501572/modify",

        "@rel": "Modify Address Group"
      },
      {
        "@href":
"/api/juniper/servicenow/address-group-management/addressGroups/11501572/associateDevices",

        "@rel": "Associate Devices to Address Group"
      },
      {
        "@href":
"/api/juniper/servicenow/address-group-management/addressGroups/11501572/deassociateDevices",

        "@rel": "Deassociate Devices from Address Group"
      }
    ]
  }
}

```

Related Documentation

- [Address Group Management REST API Overview on page 181](#)

- [Get All Address Groups on page 183](#)
- [Get Address Group By Address Group ID on page 184](#)
- [Modify Address Group on page 191](#)
- [Associate Devices to Address Group on page 194](#)
- [De-associate Devices From an Address Group on page 198](#)
- [Get All End Customer Address Groups on page 201](#)
- [Get End Customer Address Groups By ID on page 204](#)

Modify Address Group

This method lets you edit an address group within Service Now.

URI

`https://[host]/api/juniper/servicenow/address-group-management/addressGroups/{id}/modify`
(HTTP method = POST)

URI Parameters

id	Address group unique identifier.
----	----------------------------------

Consumes

- `vnd.juniper.servicenow.address-group-management.addressgroup+xml;version=1`
- `vnd.juniper.servicenow.address-group-management.addressgroup+json;version=1`

Produces

- `vnd.juniper.servicenow.address-group-management.addressgroup+xml;version=1`
- `vnd.juniper.servicenow.address-group-management.addressgroup+json;version=1`

Example Input

Example input in XML
format

```
<addressGroup>
  <address1>Plot No. 66</address1>
  <address2>Bagmane Tech Park</address2>
  <city>Bangalore</city>
  <state>Karnataka</state>
  <country>India</country>
  <zipCode>566093</zipCode>
  <contactName>Jim Laker</contactName>
  <contactPhone>9878906754</contactPhone>
  <alternativePhone>687677868</alternativePhone>
  <notes>This is juniper bangalore address</notes>
</addressGroup>
```

Example input in JSON format

```
{
  "addressGroup": {
    "address1": " Plot No. 66",
    "address2": "Bagmane Tech Park",
    "city": "Bangalore",
    "state": "Karnataka",
    "country": "India",
    "zipCode": 560093
  }
}
```

Additional Information

The following fields are mandatory when editing an address group:

- address1 and address2
- city
- state
- country
- zipCode

Response

Element	Description
name	Name of the location, such as the business name.
address1 and address2	Address, such as street number and street name, to be associated with the device.
city, state and zipCode	City, State and Zip Code of the location.
contactname	Name of contact associated with this address group.
contactphone	Phone number of contact associated with this address group.
createdby	Username of the person who created this address group.
creationtime	Date and time the address group was created.
modificationtime	Date and time the address group was last modified.

Response Status Code

Message	Description
404 Not Found	Address group ID not found in Service Now.

Message	Description
400 Bad Request	<p>Indicates one of the following:</p> <ul style="list-style-type: none"> Address field(s) are empty. Enter a value into address1 and optionally address2. City field is empty. Enter a value in the city field. State field is empty. Enter a valid state. Zip code field is empty. Enter a valid zip code.

Output

Example XML Output

```
<addressGroup
uri="/api/juniper/servicenow/address-group-management/addressGroups/create">
  <id>11501570</id>
  <name>Juniper Networks</name>
  <address1>Plot No. 66</address1>
  <address2>Bagmane Tech Park</address2>
  <city>Bangalore</city>
  <state>Karnataka</state>
  <country>India</country>
  <contactName>Jim Laker</contactName>
  <contactPhone>9878906754</contactPhone>
  <alternativePhone>687677868</alternativePhone>
  <notes>This is the bangalore address</notes>
  <createdBy>super</createdBy>
  <creationTime>2012-08-26 04:00:21 IST</creationTime>
  <modifiedTime>2012-08-26 04:00:21 IST</modifiedTime>
  <zipCode>566093</zipCode>
  <method
href="/api/juniper/servicenow/address-group-management/addressGroups/11501570/modify"
rel="Modify Address Group"/>
  <method
href="/api/juniper/servicenow/address-group-management/addressGroups/11501570/associateDevices"
rel="Associate Devices to Address Group"/>
  <method
href="/api/juniper/servicenow/address-group-management/addressGroups/11501570/deassociateDevices"
rel="Deassociate Devices from Address Group"/>
</addressGroup>
```

Example JSON Output

```
{
  "addressGroup": {
    "@uri": "/api/juniper/servicenow/address-group-management/addressGroups/create",

    "id": 11501572,
    "name": "Juniper Corp",
    "address1": "Plot No. 66",
    "address2": "Bagmane Tech Park",
    "city": "Bangalore",
    "state": "Karnataka",
    "country": "India",
    "contactName": "Jim Laker",
    "contactPhone": "9878906754",
    "alternativePhone": "687677868",
    "notes": "This is the bangalore address",
```

```
"createdBy": "super",
"creationTime": "2012-08-26 15:17:38 IST",
"modifiedTime": "2012-08-26 15:17:38 IST",
"zipCode": 560093,
"method": [
  {
    "@href":
"/api/juniper/servicenow/address-group-management/addressGroups/11501572/modify",

    "@rel": "Modify Address Group"
  },
  {
    "@href":
"/api/juniper/servicenow/address-group-management/addressGroups/11501572/associateDevices",

    "@rel": "Associate Devices to Address Group"
  },
  {
    "@href":
"/api/juniper/servicenow/address-group-management/addressGroups/11501572/deassociateDevices",

    "@rel": "Deassociate Devices from Address Group"
  }
]
}
```

**Related
Documentation**

- [Address Group Management REST API Overview on page 181](#)
- [Get All Address Groups on page 183](#)
- [Get Address Group By Address Group ID on page 184](#)
- [Create Address Group on page 187](#)
- [Associate Devices to Address Group on page 194](#)
- [De-associate Devices From an Address Group on page 198](#)
- [Get All End Customer Address Groups on page 201](#)
- [Get End Customer Address Groups By ID on page 204](#)

Associate Devices to Address Group

This method lets you associate one or more devices to an address group within Service Now.

URI

`https://[host]/api/juniper/servicenow/address-group-management/addressGroups/{id}/associateDevices`
(HTTP method = POST)

URI Parameters

id	Address group unique identifier.
----	----------------------------------

Consumes

- vnd.juniper.servicenow.address-group-management.devices+xml;version=1;charset=UTF-8
- vnd.juniper.servicenow.address-group-management.devices+json;version=1; charset=UTF-8

Produces

- vnd.juniper.servicenow.address-group-management.adddevicesmsg+xml;version=1
- vnd.juniper.servicenow.address-group-management.adddevicesmsg+json;version=1

Example Input

Example input in XML
format

```
<devices>
  <device href="/api/juniper/servicenow/device-management/devices/1671168">
    <addressType>1</addressType>
  </device>
  <device href="/api/juniper/servicenow/device-management/devices/1671181">
    <addressType>2</addressType>
  </device>
  <device href="/api/juniper/servicenow/device-management/devices/1671197">
    <addressType>0</addressType>
  </device>
  <device href="/api/juniper/servicenow/device-management/devices/1234">
    <addressType>1</addressType>
  </device>
  <device href="/api/juniper/servicenow/device-management/devices/1671208">
    <addressType>4</addressType>
  </device>
</devices>
```

Example input in JSON
format

```
{
  "devices": {
    "device": [
      {
        "@href": "/api/juniper/servicenow/device-management/devices/1671168",
        "addressType": "0"
      },
      {
        "@href": "/api/juniper/servicenow/device-management/devices/1671181",
        "addressType": "1"
      },
      {
        "@href": "/api/juniper/servicenow/device-management/devices/1671197",
        "addressType": "2"
      },
      {
        "@href": "/api/juniper/servicenow/device-management/devices/1234",
        "addressType": "2"
      }
    ]
  }
}
```

```
    },
    {
      "@href": "/api/juniper/servicenow/device-management/devices/1671208",
      "addressType": "4"
    }
  ]
}
```

Additional Information

The addressType field is mandatory. The following are the valid values for addressType:

- 0 – Address is a location address
- 1 – Address is a ship-to address
- 2 – Address applies to both the location and ship-to addresses

Response

Element	Description
key	ID of the device that was associated.

Response Status Code

Message	Description
404 Not Found	Address group ID not found in Service Now.
SN-1007	Address type is not valid.
SN-1000	Specified devices are not valid.

Output

Example XML Output

```
<servicenowmsg>
  <status>
    <desc>Devices successfully associated with address group</desc>
    <keys>
      <key>1671168</key>
      <key>1671181</key>
      <key>1671197</key>
    </keys>
  </status>
  <exceptions>
    <exception>
      <severity>ERROR</severity>
      <code>SN-1000</code>
      <desc>Invalid Devices</desc>
      <keys>
        <key>1234</key>
      </keys>
    </exception>
  </exceptions>
</servicenowmsg>
```

```

</exception>
<exception>
  <severity>ERROR</severity>
  <code>SN-1007</code>
  <desc>Address Type is not valid</desc>
  <keys>
    <key>1671208</key>
  </keys>
</exception>
</exceptions>
</servicenowmsg>

```

Example JSON Output

```

{
  "servicenowmsg": {
    "status": {
      "desc": "Devices successfully associated with address group",
      "keys": {
        "key": [
          1671168,
          1671181,
          1671197
        ]
      }
    },
    "exceptions": {
      "exception": [
        {
          "severity": "ERROR",
          "code": "SN-1000",
          "desc": "Invalid Devices",
          "keys": {
            "key": 1234
          }
        },
        {
          "severity": "ERROR",
          "code": "SN-1007",
          "desc": "Address Type is not valid",
          "keys": {
            "key": 1671208
          }
        }
      ]
    }
  }
}

```

Related Documentation

- [Address Group Management REST API Overview on page 181](#)
- [Get All Address Groups on page 183](#)
- [Get Address Group By Address Group ID on page 184](#)
- [Create Address Group on page 187](#)
- [Modify Address Group on page 191](#)

- [De-associate Devices From an Address Group on page 198](#)
- [Get All End Customer Address Groups on page 201](#)
- [Get End Customer Address Groups By ID on page 204](#)

De-associate Devices From an Address Group

This method lets you de-associate one or more devices from an address group within Service Now.

URI

`https://[host]/api/juniper/servicenow/address-group-management/addressGroups/{id}/deassociateDevices`
(HTTP method = POST)

URI Parameters

id	Address group unique identifier.
----	----------------------------------

Consumes

- `vnd.juniper.servicenow.address-group-management.devices+xml;version=1;charset=UTF-8`
- `vnd.juniper.servicenow.address-group-management.devices+json;version=1;charset=UTF-8`

Produces

- `vnd.juniper.servicenow.address-group-management.adddevicesmsg+xml;version=1`
- `vnd.juniper.servicenow.address-group-management.adddevicesmsg+json;version=1`

Example Input

Example input in XML
format

```
<devices>
  <device href="/api/juniper/servicenow/device-management/devices/1671168">
    <addressType>1</addressType>
  </device>
  <device href="/api/juniper/servicenow/device-management/devices/1671181">
    <addressType>2</addressType>
  </device>
  <device href="/api/juniper/servicenow/device-management/devices/1671197">
    <addressType>0</addressType>
  </device>
  <device href="/api/juniper/servicenow/device-management/devices/1234">
    <addressType>1</addressType>
  </device>
  <device href="/api/juniper/servicenow/device-management/devices/1671208">
    <addressType>4</addressType>
  </device>
</devices>
```

Example input in JSON
format

```
{
  "devices": {
```

```
"device": [  
  {  
    "@href": "/api/juniper/servicenow/device-management/devices/1671168",  
    "addressType": "0"  
  },  
  {  
    "@href": "/api/juniper/servicenow/device-management/devices/1671181",  
    "addressType": "1"  
  },  
  {  
    "@href": "/api/juniper/servicenow/device-management/devices/1671197",  
    "addressType": "2"  
  },  
  {  
    "@href": "/api/juniper/servicenow/device-management/devices/1234",  
    "addressType": "2"  
  },  
  {  
    "@href": "/api/juniper/servicenow/device-management/devices/1671208"  
  }  
]
```

Additional Information

The addressType field is not mandatory. The following are the valid values for addressType:

- 0 – Address is a location address
- 1 – Address is a ship-to address
- 2 – Address applies to both the location and ship-to addresses

Response

Element	Description
key	ID of the device that was associated.

Response Status Code

Message	Description
404 Not Found	Address group ID not found in Service Now.
SN-1007	Address type is not valid.
SN-1000	Specified devices are not valid.
SN-1008	Device is not associated with the address group.

Output

Example XML Output

```
<servicenowmsg>
  <status>
    <desc>
      Device successfully deassociated from address group
    </desc>
    <keys>
      <key>1671197</key>
    </keys>
  </status>
  <exceptions>
    <exception>
      <severity>ERROR</severity>
      <code>SN-1000</code>
      <desc>Invalid Devices</desc>
      <keys>
        <key>1234</key>
      </keys>
    </exception>
    <exception>
      <severity>ERROR</severity>
      <code>SN-1007</code>
      <desc>Address Type is not valid</desc>
      <keys>
        <key>1671208</key>
      </keys>
    </exception>
    <exception>
      <severity>WARN</severity>
      <code>SN-1008</code>
      <desc>Device is not associated to the address group</desc>
      <keys>
        <key>1671168</key>
        <key>1671181</key>
      </keys>
    </exception>
  </exceptions>
</servicenowmsg>
```

Example JSON Output

```
{
  "servicenowmsg": {
    "status": {
      "desc": "Device successfully deassociated from address group",
      "keys": {
        "key": 1671168
      }
    },
    "exceptions": {
      "exception": [
        {
          "severity": "ERROR",
          "code": "SN-1000",
          "desc": "Invalid Devices",
          "keys": {
            "key": 1234
          }
        }
      ]
    }
  }
}
```

```

    }
  },
  {
    "severity": "WARN",
    "code": "SN-1008",
    "desc": "Device is not associated to the address group",
    "keys": {
      "key": [
        1671208,
        1671181,
        1671197
      ]
    }
  }
]
}
}
}
}
}

```

Related Documentation

- [Address Group Management REST API Overview on page 181](#)
- [Get All Address Groups on page 183](#)
- [Get Address Group By Address Group ID on page 184](#)
- [Create Address Group on page 187](#)
- [Modify Address Group on page 191](#)
- [Associate Devices to Address Group on page 194](#)
- [Get All End Customer Address Groups on page 201](#)
- [Get End Customer Address Groups By ID on page 204](#)

Get All End Customer Address Groups

This method lets you retrieve all end-customer address groups from within Service Now.



NOTE: This service is available only when Service Now is running in Proxy mode.

URI

`https://[host]/api/juniper/servicenow/address-group-management/endCustomerAddressGroups`
(HTTP method = GET)

URI Parameters

None.

Produces

- `vnd.juniper.servicenow.address-group-management.endcustomeraddressgroups+xml;version=1`

- vnd:juniper.servicenow.address-group-management.endcustomeraddressgroups+json;version=1

Response

Element	Description
name	Name of the location, such as the business name.
address1 and address2	Address, such as street number and street name, to be associated with the device.
city, state and zipCode	City, State and Zip Code of the location.
contactname	Name of contact associated with this address group.
connectedmember	Name of the end-customer is added in the partner setup.

Response Status Code

Message	Description
204 No Content	No end-customer address groups found.
403 Forbidden	Service Now is not running in Proxy mode.

Output

Example XML Output

```
<endCustomerAddressGroup size="2"
uri="/api/juniper/servicenow/address-group-management/endCustomerAddressGroups">

  <endCustomerAddressGroup key="20000002"
uri="/api/juniper/servicenow/address-group-management/endCustomerAddressGroups/20000002"

href="/api/juniper/servicenow/address-group-management/endCustomerAddressGroups/20000002">

    <name>EAddressGroup</name>
    <address1>Plot No. 66</address1>
    <address2>Bagmane Tech Park</address2>
    <city>Bangalore</city>
    <state>Karnataka</state>
    <country>India</country>
    <contactName>Biru</contactName>
    <zipCode>5600879</zipCode>
    <connectedMember>VijaySystem</connectedMember>
  </endCustomerAddressGroup>
  <endCustomerAddressGroup key="20000003"
uri="/api/juniper/servicenow/address-group-management/endCustomerAddressGroups/20000003"

href="/api/juniper/servicenow/address-group-management/endCustomerAddressGroups/20000003">

    <name>EAddressGroup1</name>
    <address>Pandur</address>
    <city>Guwahati</city>
```



```

<state>Assam</state>
<country>India</country>
<contactName>Debu</contactName>
<contactPhone>9886478512</contactPhone>
<zipCode>781012</zipCode>
<connectedMember>VijaySystem</connectedMember>
</endCustomerAddressGroup>
</ endCustomerAddressGroups>

```

Example JSON Output

```

{
  "endCustomerAddressGroups": {
    "@size": "2",
    "@uri":
"/api/juniper/servicenow/address-group-management/endCustomerAddressGroups",

    "endCustomerAddressGroup": [
      {
        "@key": "20000002",
        "@uri":
"/api/juniper/servicenow/address-group-management/endCustomerAddressGroups/20000002",

        "@href":
"/api/juniper/servicenow/address-group-management/endCustomerAddressGroups/20000002",

        "name": "ECAddressGroup",
        "address1": " Plot No. 66",
        "address2": "Bagmane Tech Park",
        "city": "Bangalore",
        "state": "Karnataka",
        "country": "India",
        "contactName": "Biru",
        "zipCode": 5600879,
        "connectedMember": "VijaySystem"
      },
      {
        "@key": "20000003",
        "@uri":
"/api/juniper/servicenow/address-group-management/endCustomerAddressGroups/20000003",

        "@href":
"/api/juniper/servicenow/address-group-management/endCustomerAddressGroups/20000003",

        "name": "ECAddressGroup1",
        "address": "Pandu",
        "city": "Guwahati",
        "state": "Assam",
        "country": "India",
        "contactName": "Debu",
        "contactPhone": 9886478512,
        "zipCode": 781012,
        "connectedMember": "VijaySystem"
      }
    ]
  }
}

```

- Related Documentation**
- [Address Group Management REST API Overview on page 181](#)
 - [Get All Address Groups on page 183](#)
 - [Get Address Group By Address Group ID on page 184](#)
 - [Create Address Group on page 187](#)
 - [Modify Address Group on page 191](#)
 - [Associate Devices to Address Group on page 194](#)
 - [De-associate Devices From an Address Group on page 198](#)
 - [Get End Customer Address Groups By ID on page 204](#)

Get End Customer Address Groups By ID

This method lets you retrieve a specific end-customer address group from within Service Now.



NOTE: This service is available only when Service Now is running in Proxy mode.

URI

https://[host]/api/juniper/servicenow/address-group-management/endCustomerAddressGroups/{id}
(HTTP method = GET)

URI Parameters

id	Address group unique identifier.
----	----------------------------------

Produces

- vnd.juniper.servicenow.address-group-management.endcustomeraddressgroup+xml;version=1
- vnd.juniper.servicenow.address-group-management.endcustomeraddressgroup+json;version=1

Response

Element	Description
name	Name of the location, such as the business name.
address1 and address2	Address, such as street number and street name, to be associated with the device.
city, state and zipCode	City, State and Zip Code of the location.
contactname	Name of contact associated with this address group.

Element	Description
hostname	Hostname of device associated with this address group.
serialnumber	Serial number of device associated with this address group.
platform	Platform of device associated with this address group.

Response Status Code

Message	Description
404 Not Found	Invalid address group ID.
403 Forbidden	Service Now is not running in Proxy mode.

Output

Example XML Output

```

<endCustomerAddressGroup
uri="/api/juniper/servicenow/address-group-management/endCustomerAddressGroups/20000002">

  <id>20000002</id>
  <name>EAddressGroup</name>
  <address1>Plot No. 66</address1>
  <address2>Bagmane Tech Park</address2>
  <city>Bangalore</city>
  <state>Karnataka</state>
  <country>India</country>
  <contactName>Biru</contactName>
  <zipCode>5600879</zipCode>
  <connectedMember>VijaySystem</connectedMember>
  <devices size="3" href="/api/juniper/servicenow/device-management/devices">
    <device key="1867778"
href="/api/juniper/servicenow/device-management/devices/1867778">
      <hostName>srx650_191</hostName>
      <serialNumber>AJ4410AA0031</serialNumber>
      <platform>junos-es</platform>
    </device>
    <device key="1671208"
href="/api/juniper/servicenow/device-management/devices/1671208">
      <hostName>EX4200.24T.180</hostName>
      <serialNumber>BM0210435717</serialNumber>
      <platform>junos-ex</platform>
    </device>
    <device key="1671197"
href="/api/juniper/servicenow/device-management/devices/1671197">
      <hostName>ex-4200.50.182</hostName>
      <serialNumber>BM0210435487</serialNumber>
      <platform>junos-ex</platform>
    </device>
  </devices>
</endCustomerAddressGroup>

```

Example JSON Output

```
{
  "endCustomerAddressGroup": {
    "@uri":
"/api/juniper/servicenow/address-group-management/endCustomerAddressGroups/200000002",

    "id": 200000002,
    "name": "EAddressGroup",
    "address1": " Plot No. 66",
    "address2": "Bagmane Tech Park",
    "city": "Bangalore",
    "state": "Karnataka",
    "country": "India",
    "contactName": "Biru",
    "zipCode": 5600879,
    "connectedMember": "VijaySystem",
    "devices": {
      "@size": "3",
      "@href": "/api/juniper/servicenow/device-management/devices",
      "device": [
        {
          "@key": "1867778",
          "@href": "/api/juniper/servicenow/device-management/devices/1867778",
          "hostName": "srx650_191",
          "serialNumber": "AJ4410AA0031",
          "platform": "junos-es"
        },
        {
          "@key": "1671208",
          "@href": "/api/juniper/servicenow/device-management/devices/1671208",
          "hostName": "EX4200.24T.180",
          "serialNumber": "BM0210435717",
          "platform": "junos-ex"
        },
        {
          "@key": "1671197",
          "@href": "/api/juniper/servicenow/device-management/devices/1671197",
          "hostName": "ex-4200.50.182",
          "serialNumber": "BM0210435487",
          "platform": "junos-ex"
        }
      ]
    }
  }
}
```

Related Documentation

- [Address Group Management REST API Overview on page 181](#)
- [Get All Address Groups on page 183](#)
- [Get Address Group By Address Group ID on page 184](#)
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PART 3

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