

## MFA Reference Information



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#### *MFA Reference Information*

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#### YEAR 2000 NOTICE

Juniper Networks hardware and software products are Year 2000 compliant. Junos OS has no known time-related limitations through the year 2038. However, the NTP application is known to have some difficulty in the year 2036.

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# About the Documentation

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## Documentation and Release Notes

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

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

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

## Documentation Conventions

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

Table 1: Notice Icons

Icon	Meaning	Description
	Informational note	Indicates important features or instructions.
	Caution	Indicates a situation that might result in loss of data or hardware damage.
	Warning	Alerts you to the risk of personal injury or death.
	Laser warning	Alerts you to the risk of personal injury from a laser.

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

Table 2: Text and Syntax Conventions

Convention	Description	Examples
<b>Bold text like this</b>	Represents text that you type.	To enter configuration mode, type the <b>configure</b> command:  <code>user@host&gt; configure</code>
Fixed-width text like this	Represents output that appears on the terminal screen.	<code>user@host&gt; show chassis alarms</code> <code>No alarms currently active</code>
<i>Italic text like this</i>	<ul style="list-style-type: none"> <li>Introduces or emphasizes important new terms.</li> <li>Identifies book names.</li> <li>Identifies RFC and Internet draft titles.</li> </ul>	<ul style="list-style-type: none"> <li>A policy <i>term</i> is a named structure that defines match conditions and actions.</li> <li><i>Junos OS System Basics Configuration Guide</i></li> <li>RFC 1997, <i>BGP Communities Attribute</i></li> </ul>
<i>Italic text like this</i>	Represents variables (options for which you substitute a value) in commands or configuration statements.	Configure the machine's domain name:  <code>[edit]</code> <code>root@# set system domain-name <i>domain-name</i></code>
Text like this	Represents names of configuration statements, commands, files, and directories; configuration hierarchy levels; or labels on routing platform components.	<ul style="list-style-type: none"> <li>To configure a stub area, include the <b>stub</b> statement at the <code>[edit protocols ospf area area-id]</code> hierarchy level.</li> <li>The console port is labeled <b>CONSOLE</b>.</li> </ul>
< > (angle brackets)	Enclose optional keywords or variables.	<code>stub &lt;default-metric <i>metric</i>&gt;;</code>



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

Convention	Description	Examples
(pipe symbol)	Indicates a choice between the mutually exclusive keywords or variables on either side of the symbol. The set of choices is often enclosed in parentheses for clarity.	<b>broadcast   multicast</b>  <i>(string1   string2   string3)</i>
# (pound sign)	Indicates a comment specified on the same line as the configuration statement to which it applies.	<b>rsvp { # Required for dynamic MPLS only</b>
[ ] (square brackets)	Enclose a variable for which you can substitute one or more values.	<b>community name members [ community-ids ]</b>
Indentation and braces ( { } )	Identify a level in the configuration hierarchy.	<b>[edit]</b> <b>routing-options {</b> <b>static {</b> <b>route default {</b> <b>nexthop address;</b> <b>retain;</b> <b>}</b> <b>}</b> <b>}</b>
;(semicolon)	Identifies a leaf statement at a configuration hierarchy level.	
<b>GUI Conventions</b>		
<b>Bold text like this</b>	Represents graphical user interface (GUI) items you click or select.	<ul style="list-style-type: none"> <li>In the Logical Interfaces box, select <b>All Interfaces</b>.</li> <li>To cancel the configuration, click <b>Cancel</b>.</li> </ul>
<b>&gt;</b> (bold right angle bracket)	Separates levels in a hierarchy of menu selections.	In the configuration editor hierarchy, select <b>Protocols&gt;Ospf</b> .

## Documentation Feedback

We encourage you to provide feedback, comments, and suggestions so that we can improve the documentation. You can send your comments to [techpubs-comments@juniper.net](mailto:techpubs-comments@juniper.net), or fill out the documentation feedback form at <https://www.juniper.net/cgi-bin/docbugreport/>. If you are using e-mail, be sure to include the following information with your comments:

- Document or topic name
- URL or page number
- Software release version (if applicable)

## Requesting Technical Support

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

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

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

## Self-Help Online Tools and Resources

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

- Find CSC offerings: <http://www.juniper.net/customers/support/>
- Search for known bugs: <http://www2.juniper.net/kb/>
- Find product documentation: <http://www.juniper.net/techpubs/>
- Find solutions and answer questions using our Knowledge Base: <http://kb.juniper.net/>
- Download the latest versions of software and review release notes: <http://www.juniper.net/customers/csc/software/>
- Search technical bulletins for relevant hardware and software notifications: <https://www.juniper.net/alerts/>
- Join and participate in the Juniper Networks Community Forum: <http://www.juniper.net/company/communities/>
- Open a case online in the CSC Case Management tool: <http://www.juniper.net/cm/>

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

## Opening a Case with JTAC

You can open a case with JTAC on the Web or by telephone.

- Use the Case Management tool in the CSC at <http://www.juniper.net/cm/>.
- Call 1-888-314-JTAC (1-888-314-5822 toll-free in the USA, Canada, and Mexico).

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

## PART 1

# Reference

- [Sample XML Schema for Services and Quick Reference to Media Flow Activate Tasks on page 3](#)



## CHAPTER 1

# Sample XML Schema for Services and Quick Reference to Media Flow Activate Tasks

- [Sample XML Schema for Network Optimization and Reverse Proxy Services on page 3](#)
- [Quick Reference to Tasks in Media Flow Activate on page 14](#)

## Sample XML Schema for Network Optimization and Reverse Proxy Services

This topic contains XML schema for Network Optimization and HTTP Reverse Proxy services, which you may use as a pointer to create your own XML schema. Using the Media Flow Activate GUI, you may import this XML schema to create services, which can then be provisioned to selected Media Flow Controllers. See the following sample XML files for:

- Network Optimization service
- HTTP Reverse Proxy service

### Sample XML Schema for Network Optimization Service

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<contentDirectDefinitionCatalog>
  <virtualPlayerDefinitions>
    <genericPlayerDefinitions>
      <id>1</id>
      <name>vp1</name>
      <createdBy>super</createdBy>
      <lastModifiedBy>super</lastModifiedBy>
      <lastModifiedDateTime>2012-11-07T06:25:30Z</lastModifiedDateTime>
      <systemDefined>false</systemDefined>
      <type>generic</type>
      <seekConfiguration>
        <startIdentifier>start</startIdentifier>
        <endIdentifier>end</endIdentifier>
        <tunnelSeekRequest>true</tunnelSeekRequest>
      </seekConfiguration>
      <maxConnBandwidth>
        <noLimit>true</noLimit>
      </maxConnBandwidth>
    </genericPlayerDefinitions>
  </virtualPlayerDefinitions>
</contentDirectDefinitionCatalog>
```

```
<fastStart>
  <defaultSizeinKB>100</defaultSizeinKB>
</fastStart>
<fullDownload>
  <always>true</always>
</fullDownload>
</genericPlayerDefinitions>
</virtualPlayerDefinitions>
<cacheTuningPolicies>
  <cacheTuningPolicy>
    <id>1</id>
    <name>ctp1</name>
    <description></description>
    <createdBy>super</createdBy>
    <lastModifiedBy>super</lastModifiedBy>
    <lastModifiedDateTime>2012-11-07T06:26:31Z</lastModifiedDateTime>
    <systemDefined>false</systemDefined>
    <ageSizeSettings>
      <ageThreshold>120</ageThreshold>
      <defaultCacheAge>120</defaultCacheAge>
      <minObjSize>4096</minObjSize>
      <diskIngestThreshold>0</diskIngestThreshold>
    </ageSizeSettings>
    <cacheExclusion>
      <queryString>true</queryString>
      <cacheRequestsWithCookies>
        <enable>true</enable>
        <option>VALIDATE_WITH_ORIGIN</option>
      </cacheRequestsWithCookies>
      <isDomainName>true</isDomainName>
      <queryStringInclusion>INCLUDE_QUERY_STRING</queryStringInclusion>
      <cacheRequestWithSpecificHeaders>
        <enable>true</enable>
        <headers>
          <header>AUTH_HEADER</header>
          <header>COOKIE_HEADER</header>
          <header>CACHECONTROL_HEADER</header>
        </headers>
      </cacheRequestWithSpecificHeaders>
    </cacheExclusion>
    <originFetch>
      <cacheAgeSettings>
        <cacheAgeList/>
        <contentAnyAgeInSecs>120</contentAnyAgeInSecs>
      </cacheAgeSettings>
      <noCacheDirective>FOLLOW</noCacheDirective>
      <overrideTunnelObjectExpired>true</overrideTunnelObjectExpired>
      <objectSizeMinimumThreshold>0</objectSizeMinimumThreshold>
      <objectSizeMaximumThreshold>0</objectSizeMaximumThreshold>
      <cacheFill>AGGRESSIVE</cacheFill>
      <ignoreNoTransformHeader>true</ignoreNoTransformHeader>
    </originFetch>
  </cacheTuningPolicy>
</cacheTuningPolicies>
<responsesWithHTTP302Status>PASS_THROUGH_TO</responsesWithHTTP302Status>

  <cacheIngestHotnessThreshold>3</cacheIngestHotnessThreshold>
  <uriDepthThreshold>10</uriDepthThreshold>
```

```

</originFetch>
<originRequest>
  <cacheRevalidation>
    <permit>true</permit>
    <useHEADMethod></useHEADMethod>
  </cacheRevalidation>
  <setXForwardedForHeader>true</setXForwardedForHeader>
</originRequest>
<clientRequest>
  <revalidationOverride>
    <overrideMaxAgeHeader>>false</overrideMaxAgeHeader>
  </revalidationOverride>
</clientRequest>
<diskCacheProperties>
  <SAS/>
  <SATA/>
  <SSD/>
</diskCacheProperties>
</cacheTuningPolicy>
</cacheTuningPolicies>
<contentDirectDefinitions>
  <contentDirectDefinition>
    <id>1</id>
    <name>tp1</name>
    <description></description>
    <createdBy>super</createdBy>
    <lastModifiedBy>super</lastModifiedBy>
    <lastModifiedDateTime>2012-11-07T06:29:18Z</lastModifiedDateTime>
    <systemDefined>>false</systemDefined>
    <properties>
      <domain>google</domain>
      <isDomainRegex>>false</isDomainRegex>
      <orderOfServing>LIFO</orderOfServing>
    </properties>
  </contentDirectDefinition>
</contentDirectDefinitions>
<ignoreAllObjectsCorrelationValidators>true</ignoreAllObjectsCorrelationValidators>

  <match>
    <path>
      <allFiles>true</allFiles>
    </path>
  </match>
  <precedence>0</precedence>
  <clientRequest>
    <cacheIndex>
      <tunnelUnMatched>>false</tunnelUnMatched>
    </cacheIndex>
  </clientRequest>
  <originServerResolution>USE_HOST_HEADER</originServerResolution>
  <useClientIP>true</useClientIP>
</properties>
<VPControlDefinition>
  <id>1</id>
  <name>vp1</name>
</VPControlDefinition>
<cacheTuningPolicy>
  <id>1</id>

```

```
<name>ctp1</name>
</cacheTuningPolicy>
<tunnelAll>>false</tunnelAll>
<revalidateCacheHit>
  <enable>>false</enable>
</revalidateCacheHit>
</contentDirectDefinition>
</contentDirectDefinitions>
</contentDirectDefinitionCatalog>
```

#### Sample Schema for HTTP Reverse Proxy Service

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<rproxyDefinitionCatalog>
  <accessLogProfiles>
    <accessLogProfile>
      <id>1</id>
      <name>alp1</name>
      <description></description>
      <createdBy>super</createdBy>
      <lastModifiedBy>super</lastModifiedBy>
      <lastModifiedDateTime>2012-11-07T06:27:49Z</lastModifiedDateTime>
      <systemDefined>>false</systemDefined>
      <logProfileType>ACCESSLOG_PROFILE</logProfileType>
      <fileName>access.log</fileName>
      <logRotation>
        <maxLogFileSizeInMiB>100</maxLogFileSizeInMiB>
        <timeIntervalInMins>15</timeIntervalInMins>
      </logRotation>
      <exportSetting>
        <path>scp://1.1.1.1/path</path>
      </exportSetting>
      <logRecordFormat>
        <type>CUSTOM</type>
        <columns size="34">
          <column order="1">
            <fixedColumn>
              <field>BYTES_OUT_NO_HEADER</field>
            </fixedColumn>
          </column>
          <column order="2">
            <fixedColumn>
              <field>CACHE_HIT_INDICATOR</field>
            </fixedColumn>
          </column>
          <column order="3">
            <fixedColumn>
              <field>CACHE_HIT_HISTORY</field>
            </fixedColumn>
          </column>
          <column order="4">
            <fixedColumn>
              <field>FILENAME</field>
            </fixedColumn>
          </column>
          <column order="5">
```



```
<fixedColumn>
  <field>REMOTE_HOST</field>
</fixedColumn>
</column>
<column order="6">
  <fixedColumn>
    <field>REQUEST_METHOD</field>
  </fixedColumn>
</column>
<column order="7">
  <fixedColumn>
    <field>OBJECT_HOTNESS</field>
  </fixedColumn>
</column>
<column order="8">
  <fixedColumn>
    <field>QUERY_STRING</field>
  </fixedColumn>
</column>
<column order="9">
  <fixedColumn>
    <field>STATUS</field>
  </fixedColumn>
</column>
<column order="10">
  <fixedColumn>
    <field>TIMESTAMP</field>
  </fixedColumn>
</column>
<column order="11">
  <fixedColumn>
    <field>REMOTE_USER</field>
  </fixedColumn>
</column>
<column order="12">
  <fixedColumn>
    <field>SERVER_NAME</field>
  </fixedColumn>
</column>
<column order="13">
  <fixedColumn>
    <field>STATUS_SUBCODE</field>
  </fixedColumn>
</column>
<column order="14">
  <fixedColumn>
    <field>CONNECTION_TYPE</field>
  </fixedColumn>
</column>
<column order="15">
  <fixedColumn>
    <field>REQUEST_IN_TIME</field>
  </fixedColumn>
</column>
<column order="16">
  <fixedColumn>
```

```
        <field>FIRST_BYTE_OUT_TIME</field>
      </fixedColumn>
    </column>
    <column order="17">
      <fixedColumn>
        <field>TIME_USED_MS</field>
      </fixedColumn>
    </column>
    <column order="18">
      <fixedColumn>
        <field>TIME_USED_SEC</field>
      </fixedColumn>
    </column>
    <column order="19">
      <fixedColumn>
        <field>LAST_BYTE_OUT_TIME</field>
      </fixedColumn>
    </column>
    <column order="20">
      <fixedColumn>
        <field>REQUEST_PROTOCOL</field>
      </fixedColumn>
    </column>
    <column order="21">
      <fixedColumn>
        <field>BYTES_IN</field>
      </fixedColumn>
    </column>
    <column order="22">
      <fixedColumn>
        <field>LATENCY_TO_FIRST_BYTE_OUT</field>
      </fixedColumn>
    </column>
    <column order="23">
      <fixedColumn>
        <field>DATA_OUT_MS</field>
      </fixedColumn>
    </column>
    <column order="24">
      <fixedColumn>
        <field>NAMESPACE_NAME</field>
      </fixedColumn>
    </column>
    <column order="25">
      <fixedColumn>
        <field>BYTES_OUT</field>
      </fixedColumn>
    </column>
    <column order="26">
      <fixedColumn>
        <field>CACHE_REVALIDATE</field>
      </fixedColumn>
    </column>
    <column order="27">
      <fixedColumn>
        <field>URL</field>
      </fixedColumn>
    </column>
```

```

        </fixedColumn>
    </column>
    <column order="28">
        <fixedColumn>
            <field>HTTP_HOST</field>
        </fixedColumn>
    </column>
    <column order="29">
        <fixedColumn>
            <field>REMOTE_ADDR</field>
        </fixedColumn>
    </column>
    <column order="30">
        <fixedColumn>
            <field>LOCAL_ADDR</field>
        </fixedColumn>
    </column>
    <column order="31">
        <fixedColumn>
            <field>SERVER_PORT</field>
        </fixedColumn>
    </column>
    <column order="32">
        <fixedColumn>
            <field>ORIGIN_FETCHED_SIZE</field>
        </fixedColumn>
    </column>
    <column order="33">
        <fixedColumn>
            <field>REQUEST_LINE</field>
        </fixedColumn>
    </column>
    <column order="34">
        <fixedColumn>
            <field>ORIGIN_SERVER_NAME</field>
        </fixedColumn>
    </column>
</columns>
</logRecordFormat>
<doNotLog>
    <objectSizeInBytes>100</objectSizeInBytes>
    <httpResponseCodes size="0"/>
</doNotLog>
</accessLogProfile>
</accessLogProfiles>
<virtualPlayerDefinitions>
    <genericPlayerDefinitions>
        <id>1</id>
        <name>vp1</name>
        <createdBy>super</createdBy>
        <lastModifiedBy>super</lastModifiedBy>
        <lastModifiedDateTime>2012-11-07T06:25:30Z</lastModifiedDateTime>
        <systemDefined>false</systemDefined>
        <type>generic</type>
        <seekConfiguration>
            <startIdentifier>start</startIdentifier>

```

```
<endIdentifier>end</endIdentifier>
<tunnelSeekRequest>true</tunnelSeekRequest>
</seekConfiguration>
<maxConnBandwidth>
  <noLimit>true</noLimit>
</maxConnBandwidth>
<fastStart>
  <defaultSizeinKB>100</defaultSizeinKB>
</fastStart>
<fullDownload>
  <always>true</always>
</fullDownload>
</genericPlayerDefinitions>
</virtualPlayerDefinitions>
<cacheTuningPolicies>
  <cacheTuningPolicy>
    <id>1</id>
    <name>ctp1</name>
    <description></description>
    <createdBy>super</createdBy>
    <lastModifiedBy>super</lastModifiedBy>
    <lastModifiedDateTime>2012-11-07T06:26:31Z</lastModifiedDateTime>
    <systemDefined>false</systemDefined>
    <ageSizeSettings>
      <ageThreshold>120</ageThreshold>
      <defaultCacheAge>120</defaultCacheAge>
      <minObjSize>4096</minObjSize>
      <diskIngestThreshold>0</diskIngestThreshold>
    </ageSizeSettings>
    <cacheExclusion>
      <queryString>true</queryString>
      <cacheRequestsWithCookies>
        <enable>true</enable>
        <option>VALIDATE_WITH_ORIGIN</option>
      </cacheRequestsWithCookies>
      <isDomainName>true</isDomainName>
      <queryStringInclusion>INCLUDE_QUERY_STRING</queryStringInclusion>
      <cacheRequestWithSpecificHeaders>
        <enable>true</enable>
        <headers>
          <header>AUTH_HEADER</header>
          <header>COOKIE_HEADER</header>
          <header>CACHECONTROL_HEADER</header>
        </headers>
      </cacheRequestWithSpecificHeaders>
    </cacheExclusion>
    <originFetch>
      <cacheAgeSettings>
        <cacheAgeList/>
        <contentAnyAgeInSecs>120</contentAnyAgeInSecs>
      </cacheAgeSettings>
      <noCacheDirective>FOLLOW</noCacheDirective>
      <overrideTunnelObjectExpired>true</overrideTunnelObjectExpired>
      <objectSizeMinimumThreshold>0</objectSizeMinimumThreshold>
      <objectSizeMaximumThreshold>0</objectSizeMaximumThreshold>
      <cacheFill>AGGRESSIVE</cacheFill>
```

```

    <ignoreNoTransformHeader>true</ignoreNoTransformHeader>

<responsesWithHTTP302Status>PASS_THROUGH_TO</responsesWithHTTP302Status>

    <cacheIngestHotnessThreshold>3</cacheIngestHotnessThreshold>
    <uriDepthThreshold>10</uriDepthThreshold>
</originFetch>
<originRequest>
    <cacheRevalidation>
        <permit>true</permit>
        <useHEADMethod></useHEADMethod>
    </cacheRevalidation>
    <setXForwardedForHeader>true</setXForwardedForHeader>
</originRequest>
<clientRequest>
    <revalidationOverride>
        <overrideMaxAgeHeader>>false</overrideMaxAgeHeader>
    </revalidationOverride>
</clientRequest>
<diskCacheProperties>
    <SAS/>
    <SATA/>
    <SSD/>
</diskCacheProperties>
</cacheTuningPolicy>
</cacheTuningPolicies>
<originMaps>
    <originEscalationMap>
        <id>2</id>
        <name>Em1</name>
        <description></description>
        <type>ORIGIN_ESCALATION_MAP</type>
        <createdBy>super</createdBy>
        <lastModifiedBy>super</lastModifiedBy>
        <lastModifiedDateTime>2012-11-07T06:33:51Z</lastModifiedDateTime>
        <nodeMonitoring>
            <allowedFails>3</allowedFails>
            <heartBeatIntervalInMillis>100</heartBeatIntervalInMillis>
            <connectTimeoutInMillis>100</connectTimeoutInMillis>
            <readTimeoutInMillis>100</readTimeoutInMillis>
        </nodeMonitoring>
        <connectionSettings>
            <connectTimeOut>100</connectTimeOut>
            <readTimeOut>100</readTimeOut>
            <connectRetryDelay>100</connectRetryDelay>
            <readRetryDelay>100</readRetryDelay>
        </connectionSettings>
        <devices size="1">
            <device order="0">
                <nonMFDevice>
                    <address>20.1.1.11</address>
                    <type>NON_MFDEVICE</type>
                    <port>80</port>
                    <heartBeatPath>/root/heartbeat.html</heartBeatPath>
                    <failureCodes size="3">
                        <value>404</value>

```

```
        <value>500</value>
        <value>505</value>
      </failureCodes>
    </nonMFDevice>
    <type>NON_MFDEVICE</type>
  </device>
</devices>
</originEscalationMap>
</originMaps>
<rproxyDefinitions>
  <rproxyDefinition>
    <id>1</id>
    <name>rrp1</name>
    <description></description>
    <createdBy>super</createdBy>
    <lastModifiedBy>super</lastModifiedBy>
    <lastModifiedDateTime>2012-11-07T06:35:59Z</lastModifiedDateTime>
    <systemDefined>false</systemDefined>
    <properties>
      <domain>google</domain>
      <isDomainRegex>false</isDomainRegex>
      <orderOfServing>LIFO</orderOfServing>
    </properties>
  </rproxyDefinition>
</rproxyDefinitions>
<ignoreAllObjectsCorrelationValidators>true</ignoreAllObjectsCorrelationValidators>

  <match>
    <path>
      <allFiles>true</allFiles>
    </path>
  </match>
  <precedence>0</precedence>
  <clientRequest/>
  <originServer>
    <originMap>
      <id>2</id>
      <name>Em1</name>
    </originMap>
    <useSecureMode>true</useSecureMode>
  </originServer>
  <cachePinning>
    <enableAutoPin>false</enableAutoPin>
    <pinHeaderName>header</pinHeaderName>
    <maxObjectSizeInKB>100</maxObjectSizeInKB>
    <maxCacheCapacityInGB>10</maxCacheCapacityInGB>
    <validityBeginHdr>VAL_BEGIN</validityBeginHdr>
  </cachePinning>
  <clientResponse>
    <headersToDelete size="1">
      <value>via</value>
    </headersToDelete>
    <headersToAdd size="0"/>
    <addRetryHeaderAfterSecs>
      <addRetryHeader>true</addRetryHeader>
      <retryHeaderValueInSecs>100</retryHeaderValueInSecs>
    </addRetryHeaderAfterSecs>
  </clientResponse>
```

```
<originRequest>
  <inheritHostHeaderValue>true</inheritHostHeaderValue>
  <headersToAdd size="0"/>
</originRequest>
</properties>
<VPControlDefinition>
  <id>1</id>
  <name>vp1</name>
</VPControlDefinition>
<cacheTuningPolicy>
  <id>1</id>
  <name>ctp1</name>
</cacheTuningPolicy>
<tunnelAll>true</tunnelAll>
<logProfile>
  <id>1</id>
  <name>alp1</name>
</logProfile>
<policyScript>
  <id>1</id>
  <name>dest_ip</name>
</policyScript>
</rproxyDefinition>
</rproxyDefinitions>
</rproxyDefinitionCatalog>
```

See these topics for additional information:

- *contentDirectDefinition Options and Elements*
- *Creating Network Optimization Service XML Files for Import*
- *rproxyDefinition Options and Elements*
- *Creating Reverse Proxy Service XML Files for Import*
- *Media Flow Activate Overview*
- [Quick Reference to Tasks in Media Flow Activate on page 14](#)

## Quick Reference to Tasks in Media Flow Activate

This topic provides a list of tasks that you can perform using Media Flow Activate and links to corresponding sections within the *Junos Space Media Flow Activate Management Guide*.

Feature	Task	Link
Access log profile	Associating an access log profile with an HTTP reverse proxy service	<ul style="list-style-type: none"> <li>• <a href="#">Creating HTTP Reverse Proxy Services</a></li> <li>• <a href="#">Sample XML Schema for Network Optimization and Reverse Proxy Services on page 3</a></li> </ul>
	Creating an access log profile	<a href="#">Creating Access Log Profiles</a>
	Deleting an access log profile	<a href="#">Actions on Access Log Profiles</a>
	Modifying an access log profile	
	Viewing an access log profile	
Audit logs	Monitoring audit logs	<a href="#">Audit Logs Workspace Overview</a>
BGP-based traffic steering	Configuring BGP-based traffic steering in a Media Flow Controller device	<a href="#">Configuring BGP-Based Traffic Steering</a>
Bonded interface	Configuring a bonded interface	<a href="#">Configuring Bonded Interfaces</a>
Cache-tuning policy	Associating a cache-tuning policy with a Network Optimization service	<ul style="list-style-type: none"> <li>• <a href="#">Creating Network Optimization Services</a></li> <li>• <a href="#">Sample XML Schema for Network Optimization and Reverse Proxy Services on page 3</a></li> </ul>
	Associating a cache-tuning policy with an HTTP reverse proxy service	<ul style="list-style-type: none"> <li>• <a href="#">Creating HTTP Reverse Proxy Services</a></li> <li>• <a href="#">Sample XML Schema for Network Optimization and Reverse Proxy Services on page 3</a></li> </ul>
	Creating a cache-tuning policy	<a href="#">Creating Cache-Tuning Policies</a>
	Modifying a cache-tuning policy	<a href="#">Actions on Cache-Tuning Policies</a>
	Deleting a cache-tuning policy	
Configuration templates	Managing configuration templates	<a href="#">Configuration Templates Overview</a>



Feature	Task	Link
Content ingest service	Activating a content ingest service	<i>Managing Provisioned Services</i>
	Creating a content ingest service	<i>Creating Content Ingest Services</i>
	Deactivating a content ingest service	<i>Managing Provisioned Services</i>
	Deleting a content ingest service	<i>Actions on Services</i>
	Deprovisioning a content ingest service	<i>Managing Provisioned Services</i>
	Modifying a content ingest service	<i>Actions on Services</i>
	Provisioning a content ingest service	<i>Provisioning Services</i>
	Reprovisioning a content ingest service	<i>Managing Provisioned Services</i>
	Tagging, untagging, and viewing tags	<ul style="list-style-type: none"> <li>• <i>Actions on Services</i></li> <li>• <i>Tagging Media Flow Controller Objects</i></li> </ul>
	Viewing a content ingest service	<i>Actions on Services</i>
Fault monitoring		<i>Fault Monitoring with SNMP</i>

Feature	Task	Link
HTTP reverse proxy service	Activating an HTTP reverse proxy service	<i>Managing Provisioned Services</i>
	Creating an HTTP reverse proxy service	<i>Creating HTTP Reverse Proxy Services</i>
	Copying an HTTP reverse proxy service	<i>Actions on Services</i>
	Deactivating an HTTP reverse proxy service	<i>Managing Provisioned Services</i>
	Deleting an HTTP reverse proxy service	<i>Actions on Services</i>
	Deprovisioning an HTTP reverse proxy service	<i>Managing Provisioned Services</i>
	Exporting an HTTP reverse proxy service	<ul style="list-style-type: none"> <li>• <i>Actions on Services</i></li> <li>• <i>Creating Reverse Proxy Service XML Files for Export</i></li> </ul>
	Importing an HTTP reverse proxy service	<ul style="list-style-type: none"> <li>• <i>Actions on Services</i></li> <li>• <i>Creating Reverse Proxy Service XML Files for Import</i></li> <li>• <a href="#">Sample XML Schema for Network Optimization and Reverse Proxy Services on page 3</a></li> </ul>
	Modifying an HTTP reverse proxy service	<i>Actions on Services</i>
	Provisioning: <ul style="list-style-type: none"> <li>• A service</li> <li>• A resource pool</li> </ul>	<i>Provisioning Services</i>
	Purging content	<i>Purging Content from Media Flow Controller Devices</i>
	Reprovisioning an HTTP reverse proxy service	<i>Managing Provisioned Services</i>
	Tagging, untagging, and viewing tags	<ul style="list-style-type: none"> <li>• <i>Actions on Services</i></li> <li>• <i>Tagging Media Flow Controller Objects</i></li> </ul>

Feature	Task	Link
Media Flow Controller device	Configuring BGP-based traffic steering in a Media Flow Controller device	<i>Configuring BGP-Based Traffic Steering</i>
	Configuring a bonded interface	<i>Configuring Bonded Interfaces</i>
	Configuring an interface	<i>Configuring MFC Device Interfaces</i>
	Configuring the log pull method	<i>Configuring Devices</i>
	Launching Media Flow Controller Console from Media Flow Activate	<i>Launching the Media Flow Controller Secure Console from MFA</i>
	Monitoring the Media Flow Controller dashboard	<i>Monitoring a Media Flow Controller Dashboard from MFA</i>
	Replicating device configuration	<i>Replicating Media Flow Controller Device Configuration</i>
	Restarting a device	<i>Restarting Media Flow Controller Devices or Services</i>
	Restarting a service	
	Restoring device configuration	<i>Restoring Media Flow Controller Device Configuration</i>
	Tagging, untagging, and viewing tags	<i>Tagging Media Flow Controller Objects</i>
	Upgrading or rolling back the Media Flow Controller software image	<i>Upgrading or Rolling Back the Media Flow Controller Software Image</i>

Feature	Task	Link
Network Optimization service	Activating a Network Optimization proxy service	<i>Managing Provisioned Services</i>
	Creating a Network Optimization proxy service	<i>Creating Network Optimization Services</i>
	Copying a Network Optimization proxy service	<i>Actions on Services</i>
	Deactivating a Network Optimization proxy service	<i>Managing Provisioned Services</i>
	Deleting a Network Optimization proxy service	<i>Actions on Services</i>
	Deprovisioning a Network Optimization proxy service	<i>Managing Provisioned Services</i>
	Exporting a Network Optimization proxy service	<i>Actions on Services</i>
	Importing a Network Optimization proxy service	<ul style="list-style-type: none"> <li>• <i>Actions on Services</i></li> <li>• <i>Creating Network Optimization Service XML Files for Import</i></li> <li>• <a href="#">Sample XML Schema for Network Optimization and Reverse Proxy Services on page 3</a></li> </ul>
	Modifying a Network Optimization proxy service	<i>Actions on Services</i>
	Provisioning a Network Optimization proxy service	<i>Provisioning Services</i>
	Reprovisioning a Network Optimization proxy service	<i>Managing Provisioned Services</i>
	Tagging, untagging, and viewing tags	<ul style="list-style-type: none"> <li>• <i>Actions on Services</i></li> <li>• <i>Tagging Media Flow Controller Objects</i></li> </ul>

Feature	Task	Link
Origin map	Associating an origin map with an HTTP reverse proxy service	<ul style="list-style-type: none"> <li>• <i>Creating HTTP Reverse Proxy Services</i></li> <li>• <a href="#">Sample XML Schema for Network Optimization and Reverse Proxy Services on page 3</a></li> </ul>
	Creating a consistent hash map	<i>Creating Consistent Hash Maps</i>
	Creating an escalation map	<i>Creating Escalation Maps</i>
	Deleting an origin map	<i>Actions on Origin Maps</i>
	Modifying an origin map	
	Viewing an origin map	
Policy script	Associating a policy script with a Network Optimization proxy service	<i>Creating Network Optimization Services</i>
	Associating a policy script with an HTTP reverse proxy service	<i>Creating HTTP Reverse Proxy Services</i>
	Adding a policy script	<i>Adding Policy Scripts</i>
	Deleting a policy script	<i>Actions on Policy Scripts</i>
	Exporting a policy script	
	Modifying a policy script	
Resource pool	Associating a resource pool with an HTTP reverse proxy service	<i>Provisioning Services</i>
	Creating a resource pool	<i>Creating Resource Pools</i>
	Deleting a resource pool	<i>Actions on Resource Pools</i>
	Deprovisioning a resource pool	<i>Managing Resource Pool Associations</i>
	Modifying a resource pool	<i>Actions on Resource Pools</i>
	Managing resource pool associations	<i>Managing Resource Pool Associations</i>
	Provisioning a resource pool	<i>Provisioning Resource Pools to MFC Devices</i>
	Reprovisioning a resource pool	<i>Managing Resource Pool Associations</i>
	Tagging, untagging, and viewing tags	<ul style="list-style-type: none"> <li>• <i>Actions on Resource Pools</i></li> <li>• <i>Tagging Media Flow Controller Objects</i></li> </ul>

Feature	Task	Link
Virtual player	Associating a virtual player with a Network Optimization service	<ul style="list-style-type: none"><li>• <i>Creating Network Optimization Services</i></li><li>• <a href="#">Sample XML Schema for Network Optimization and Reverse Proxy Services on page 3</a></li></ul>
	Associating a virtual player with an HTTP reverse proxy service	<ul style="list-style-type: none"><li>• <i>Creating HTTP Reverse Proxy Services</i></li><li>• <a href="#">Sample XML Schema for Network Optimization and Reverse Proxy Services on page 3</a></li></ul>
	Creating a virtual player	<i>Creating Virtual Players</i>
	Copying a virtual player	<i>Actions on Virtual Players</i>
	Modifying a virtual player	
	Deleting a virtual player	

**Related Documentation**

- *Media Flow Activate Overview*
- *Service Design Overview*
- *Provisioning Services Overview*
- *Job Management Workspace Overview*

## PART 2

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