



Configuration Management

This chapter contains the following sections:

- [Device Configuration, page 8-1](#)
- [MVPN Configuration, page 8-3](#)

Device Configuration

Get All Configurations

To get all configurations:

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- Step 1** From the Multicast Manager menu, choose **Configuration Management**.
 - Step 2** Choose **Device Configuration**.
 - Step 3** Choose **Get All Configuration**.
 - Step 4** Choose a router.



Note Click **Select All** to include all listed routers.

Validate All Configurations

To validate all configurations:

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- Step 1** From the Multicast Manager menu, choose **Configuration Management**.
 - Step 2** Choose **Device Configuration**.
 - Step 3** Choose **Validate All Configurations**.
 - Step 4** Choose a configuration name.
 - Step 5** Choose a router.

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Note Click **Select All** to include all listed routers.

Step 6 Click **View**.

Configuring Static RPs

If you have static rendezvous points (RPs) configured, you must configure CMM to find these static RPs, which in turn populates the RP Summary within the Multicast Manager tool Diagnostics section.

To configure static RPs:

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- Step 1** From the Multicast Manager menu, choose **Configuration Management**.
 - Step 2** Choose **Device Configuration**.
 - Step 3** Choose **Configure Static RPs**.
 - Step 4** In the Add Static RP **Search** field, enter the IP address of the RP. The Search field is address sensitive, so as you enter the IP address, a list of routers appear.
 - Step 5** Click **Add** next to the router(s) you want to choose. The Static RPs table is populated.
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Configuring SSM Devices

The CMM currently supplies you with a list of all active sources and groups when requested. In a network containing RPs, the CMM visits each RP and collates a list to provide this information when requested. This is not possible in a Source Specific Multicast (SSM) network that does not contain RPs. To provide you with a list of all active sources and groups in SSM networks, you can input routers to the CMM that it visits when asked for this information. You can decide which routers are considered RP-type devices that contain most of the active sources and groups in the network, and then specify those routers. When you request to Show All Groups, the CMM visits the specified routers and builds the list from them.

To configure SSM devices:

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- Step 1** From the Multicast Manager menu, choose **Configuration Management**.
 - Step 2** Choose **Device Configuration**.
 - Step 3** Choose **Configure SSM Devices**.
 - Step 4** Within the Add Source Specific Multicast Device **Search** field, enter the IP address of the RP. The Search field is address sensitive, so as you type in the IP address, a list of routers appear.
 - Step 5** Click **Add** next to the router(s) that you want to choose. The Source Specific Multicast Devices table is populated.
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MVPN Configuration

To configure the MVPN service type:

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- Step 1** From the Multicast Manager menu, choose **Configuration Management**.
 - Step 2** Choose **MVPN Configuration**.
 - Step 3** Click **Add**.
 - Step 4** Choose **By MVPN**.

The MVPN Configuration configuration page specify the following settings:

Parameter	Description
Service Type	Enter the service type.
CE Device	Choose the CE Device.
Save	Adds the MVPN configuration.

By Import

To configure a MVPN:

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- Step 1** From the Multicast Manager menu, choose **Configuration Management**.
 - Step 2** Choose **MVPN Configuration**.
 - Step 3** Click the **Add** button in the **MVPN - Service Type Configuration** page.
 - Step 4** Choose **By Import**.
 - Step 5** Click the **Browse** button to upload the CSV file.
 - Step 6** Choose **Merge** to unify an existing configuration with the new configuration or choose **Replace** to overwrite the existing configuration.
 - Step 7** Click **Upload**.
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Import Format:

```
<Service Type>#<Source CE Name>@<Ifindex:ip>$<Destination CE's name with comma separated>
```

Example:

```
mvpn#3845-ce3@4:13.1.2.12$cmm-ce1,cmm-ce2.cisco.com
```

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