



Media Termination Point Configuration

A Media Termination Point (MTP) software device allows Cisco CallManager to relay calls that are routed through SIP or H.323 endpoints or gateways.

MTP, a Cisco software application, installs on a server during the software installation process. You must activate and start the Cisco IP Voice Media Streaming App service on the server on which you configure the MTP device. For information on activating and starting services, refer to the *Cisco CallManager Serviceability Administration Guide*.

Each MTP device that is defined in the database registers with the Media Resource Manager (MRM). The MRM keeps track of the total available MTP devices in the system and of which devices have available resources.

During resource reservation, the MRM determines the number of resources and identifies the media resource type (in this case, the MTP) and the location of the registering MTP device. The MRM updates its share resource table with the registration information and propagates the registered information to the other Cisco CallManagers within the cluster.

The MTP and transcoder can register with the same Cisco CallManager. See the [“Transcoder Configuration” section on page 37-1](#) for more information.

Each MTP receives a list of Cisco CallManagers, in priority order, to which it should attempt to register. Each MTP can register with only one Cisco CallManager at a time.

**Note**

Cisco CallManager requires an RFC 2833 DTMF compliant MTP device to make SIP calls.

Use the following topics to add, update, and delete MTPs:

- [Finding a Media Termination Point, page 34-2](#)
- [Adding a Media Termination Point, page 34-4](#)
- [Updating a Media Termination Point, page 34-6](#)
- [Deleting a Media Termination Point, page 34-7](#)
- [Software MTP Configuration Settings, page 34-9](#)
- [Cisco IOS MTP Configuration Settings, page 34-10](#)

Finding a Media Termination Point

Because you might have several media termination points in your network, Cisco CallManager lets you locate specific media termination points on the basis of specific criteria. Use the following procedure to locate media termination points.

**Note**

During your work in a browser session, Cisco CallManager Administration retains your media termination point search preferences. If you navigate to other menu items and return to this menu item, Cisco CallManager Administration retains your media termination point search preferences until you modify your search or close the browser.

Procedure

Step 1 Choose **Service > Media Resource > Media Termination Point**.

The Find and List Media Termination Points window displays. Use the two drop-down list boxes to search for a media termination point.

Step 2 From the first Find Media Termination Points where drop-down list box, choose one of the following criteria:

- Name
- Description
- Device Pool



Note The criterion that you choose in this drop-down list box specifies how the list of media termination points that your search generates will be sorted. For example, if you choose Device Pool, the Device Pool column will display as the left column of the results list.

From the second Find Media Termination Points where drop-down list box, choose one of the following criteria:

- begins with
- contains
- ends with
- is exactly
- is not empty
- is empty

Step 3 Specify the appropriate search text, if applicable, and click **Find**. You can also specify how many items per page to display.



Tip To find all media termination points that are registered in the database, click **Find** without entering any search text.

A list of discovered media termination points displays by

- Media Termination Point icon
- Media Termination Point name
- Description
- Device Pool

- Status
- IP Address



Note You can delete multiple media termination points from the Find and List Media Termination Points window by checking the check boxes next to the appropriate media termination points and clicking **Delete Selected**. You can delete all media termination points in the window by checking the check box in the Matching records title bar and clicking **Delete Selected**.

- Step 4** Click the Media Termination Point icon or name, the Description, or the associated Device Pool from the list of records that match your search criteria. The window displays the media termination point that you choose.
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Related Topics

- [Adding a Media Termination Point, page 34-4](#)
- [Transcoder Configuration, page 37-1](#)
- [Updating a Media Termination Point, page 34-6](#)
- [Deleting a Media Termination Point, page 34-7](#)
- [Software MTP Configuration Settings, page 34-9](#)
- [Cisco IOS MTP Configuration Settings, page 34-10](#)

Adding a Media Termination Point

This section describes how to add a Media Termination Point (MTP).



Note To perform this procedure, you must activate the Cisco IP Voice Media Streaming App service by using Cisco CallManager Serviceability. For information about activating services, refer to the *Cisco CallManager Serviceability Administration Guide*.

Before You Begin

Make sure that the following prerequisites are met before you proceed with the steps:

- Ensure servers are configured.
- Ensure device pools are configured.
- For SIP, ensure that you have an RFC 2833 DTMF compliant MTP device.



Note

Add only one Media Termination Point (MTP) device for each MTP application.

Procedure

Step 1 Choose **Service > Media Resource > Media Termination Point**.

The Find and List Media Termination Point window appears.

Step 2 In the upper, right corner of the window, click the **Add a New Media Termination Point** link.

The Media Termination Point window displays.

Step 3 Enter the appropriate settings as described in [Table 34-1](#).

Step 4 Click **Insert**.

A message displays that states that the MTP device must be reset before the changes take effect.

Step 5 Click **OK**.

Related Topics

- [Media Termination Point Configuration, page 34-1](#)
- [Finding a Media Termination Point, page 34-2](#)
- [Transcoder Configuration, page 37-1](#)
- [Configuring a Transcoder, page 37-4](#)
- [Updating a Media Termination Point, page 34-6](#)

- [Deleting a Media Termination Point](#), page 34-7
- [Software MTP Configuration Settings](#), page 34-9
- [Cisco IOS MTP Configuration Settings](#), page 34-10

Updating a Media Termination Point

This section describes how to update a Media Termination Point (MTP).



Note

To perform this procedure, you must activate the Cisco IP Voice Media Streaming App service by using Cisco CallManager Serviceability. For information about activating services, refer to the *Cisco CallManager Serviceability Administration Guide*.

Before You Begin

Make sure that the following prerequisites are met before you proceed with the steps:

- Ensure servers are configured.
- Ensure device pools are configured.
- Ensure media termination points are configured.

Procedure

- Step 1** Locate the media termination point by using the procedure in the [“Finding a Media Termination Point”](#) section on page 34-2.
- Step 2** Click the media termination point that you want to update.
- Step 3** Update the appropriate settings as described in [Table 34-1](#).
- Step 4** Click **Update**.
A message displays that states that the changes take effect when the streaming to the device is idle.
- Step 5** Click **OK**.

- Step 6** Click the **Reset** button.
- The Reset Device dialog box displays.
- Step 7** To restart the MTP device without shutting it down, click the **Restart** button. To shut down the MTP device and bring it back up, click the **Reset** button.
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Related Topics

- [Media Termination Point Configuration, page 34-1](#)
- [Finding a Media Termination Point, page 34-2](#)
- [Transcoder Configuration, page 37-1](#)
- [Adding a Media Termination Point, page 34-4](#)
- [Deleting a Media Termination Point, page 34-7](#)
- [Software MTP Configuration Settings, page 34-9](#)
- [Cisco IOS MTP Configuration Settings, page 34-10](#)

Deleting a Media Termination Point

This section describes how to delete a Media Termination Point (MTP).

Before You Begin

You cannot delete the last device that is in a Media Resource Group. To find out which media resource groups are using the media termination point, click the **Dependency Records** link from the Media Termination Point Configuration window. If the dependency records are not enabled for the system, the dependency records summary window displays a message. For more information about dependency records, see the [“Accessing Dependency Records” section on page A-3](#). If you try to delete a media termination point that is in use, Cisco CallManager displays a message. If you try to delete the last device, Cisco CallManager displays a second error message and the device will not get deleted.

Before deleting a media termination point that is currently in use and is the last device in the Media Resource Group, you must perform either or both of the following tasks:

- Assign a different media termination point to the media resource groups that are using the media termination point that you want to delete. See the [“Deleting a Media Resource Group” section on page 38-7](#) section.
- Delete the media resource groups that are using the media termination point that you want to delete. See the [“Deleting a Media Resource Group” section on page 38-7](#) section.

Procedure

- Step 1** Locate the media termination point by using the procedure in the [“Finding a Media Termination Point” section on page 34-2](#).
- Step 2** Click the media termination point that you want to delete.
- Step 3** Click **Delete**.
- A message displays the following warning:
- You are about to permanently delete this Media Termination Point. This action cannot be undone.
- Continue?
- Step 4** To delete the media termination point, click **OK**.
- If this is the last device in the Media Resource Group, a second message displays and you cannot delete the media termination point.
- Step 5** Click **OK**.
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Related Topics

- [Media Termination Point Configuration, page 34-1](#)
- [Finding a Media Termination Point, page 34-2](#)
- [Transcoder Configuration, page 37-1](#)
- [Adding a Media Termination Point, page 34-4](#)
- [Updating a Media Termination Point, page 34-6](#)

Software MTP Configuration Settings

Table 34-1 describes software media termination point configuration settings.

Table 34-1 Software MTP Configuration Settings

Field	Description
Media Termination Point Type	Choose Cisco Media Termination Point Software . For specific information on this MTP type, refer to “ Media Termination Points ” in the <i>Cisco CallManager System Guide</i> .
Host Server	This field displays for the Cisco Media Termination Point Software type. Choose the server on which you want MTP to run.
Media Termination Point Name	Enter a name for the MTP, up to 15 alphanumeric characters.
Description	Enter any description for the MTP.
Device Pool	Choose a device pool that has the highest priority within the Cisco CallManager group that you are using or choose Default .

Related Topics

- [Finding a Media Termination Point, page 34-2](#)
- [Adding a Media Termination Point, page 34-4](#)
- [Updating a Media Termination Point, page 34-6](#)
- [Media Termination Points, Cisco CallManager System Guide](#)

Cisco IOS MTP Configuration Settings

Table 34-2 describes Cisco IOS media termination point configuration settings.

Table 34-2 Cisco IOS MTP Configuration Settings

Field	Description
Media Termination Point Type	Choose Cisco IOS Enhanced Software Media Termination Point . For specific information on this MTP type, refer to “ Media Termination Points ” in the <i>Cisco CallManager System Guide</i> .
Media Termination Point Name	Enter a name for the MTP, up to 15 alphanumeric characters. Tip Ensure that you enter the same MTP name that exists in the gateway Command Line Interface (CLI).
Description	Enter any description for the MTP.
Device Pool	Choose a device pool that has the highest priority within the Cisco CallManager group that you are using or choose Default .

Related Topics

- [Finding a Media Termination Point, page 34-2](#)
- [Adding a Media Termination Point, page 34-4](#)
- [Updating a Media Termination Point, page 34-6](#)
- [Media Termination Points, Cisco CallManager System Guide](#)
- [Transcoders, page 22-1](#)