



# Media Termination Point Setup

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This chapter provides information to add, update, and delete media termination points.

For additional information, see topics related to the following in the *Cisco Unified Communications Manager System Guide*:

- Transcoders
- Media Termination Points
- Resource Reservation Protocol
- Media Resource Management
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## About Media Termination Point Setup

A Media Termination Point software device allows Cisco Unified Communications Manager to relay calls that are routed through SIP or H.323 endpoints or gateways. You can allocate a media termination point device because of DTMF or RSVP requirements. When a media termination point is allocated for RSVP, you can insert it between any type of endpoint device, including SIP or H.323 devices.

Media termination point, a Cisco software application, installs on a server during the software installation process. You must activate and start the Cisco IP Voice Media Streaming Application service on the server on which you configure the media termination point device. For information on activating and starting services, see the *Cisco Unified Serviceability Administration Guide*.

The Media Termination Point (MTP) device provided by the Cisco IP Voice Media Streaming Application service supports both IPv4 and IPv6 audio media connections. The MTP device is configured automatically in dual mode when the platform is configured for IPv6 and the IPv6 enterprise parameter is enabled. The MTP device supports only IPv4 for the TCP control channel.

Each media termination point device that is defined in the database registers with the Media Resource Manager (MRM). The MRM keeps track of the total available media termination point 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 media termination point) and the location of the registered media termination point device. The MRM updates its share resource table with the registration information and propagates the registered information to the other Cisco Unified Communications Managers within the cluster.

The media termination point and transcoder can register with the same Cisco Unified Communications Manager.

Each media termination point receives a list of Cisco Unified Communications Managers, in priority order, to which it should attempt to register. Each media termination point can register with only one Cisco Unified Communications Manager at a time.



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**Note** Depending on the capabilities of the SIP endpoint, Cisco Unified Communications Manager may require an RFC 2833 DTMF-compliant media termination point device to make SIP calls. For RSVP calls, the Media Resource Group List (MRGL) that is associated with the endpoint device needs to include the media termination point devices that support RSVP.

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## Cisco IOS Media Termination Point Setup

In Cisco Unified Communications Manager Administration, use the **Media Resources > Media Termination Point** menu path to configure media termination points (MTPs).

### Media Termination Point Configuration Tips

Make sure that the following prerequisites are met before you proceed with configuration of a media termination point:

- Ensure servers are configured.
- Ensure device pools are configured.



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**Note** You can have only one Media Termination Point device for each Cisco Unified Communications Manager server. When a Cisco Unified Communications Manager Server is added, a media termination point device automatically gets created for the server but is not available for use until the Cisco IP Voice Media Streaming App service gets activated.

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## Cisco IOS Media Termination Point Deletion

Before deleting a media termination point that is currently in use and is the last device in the Media Resource Group, you should 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.
- Delete the media resource groups that are using the media termination point that you want to delete.

# Cisco IOS Media Termination Point Settings

The following table describes Cisco IOS media termination point settings.

**Table 1: Cisco IOS Media Termination Point Settings**

Field	Description
Media Termination Point Type	Choose Cisco IOS Enhanced Software Media Termination Point.  For specific information on this media termination point type, see the <i>Cisco Unified Communications Manager System Guide</i> .
Media Termination Point Name	Enter a name for the media termination point, up to 15 alphanumeric characters.  <b>Note</b> You cannot use special characters as the MTP name; for example !, @, #, \$, or %.  <b>Tip</b> Ensure that you enter the same media termination point name that exists in the gateway Command Line Interface (CLI).
Description	Enter any description for the media termination point.
Device Pool	Choose a device pool that has the highest priority within the Cisco Unified Communications Manager group that you are using or choose Default.
Trusted Relay Point	Check this check box to designate this media termination point (MTP) as a trusted relay point (TRP) that Cisco Unified Communications Manager can use in a network virtualization environment.  See the <i>Cisco Unified Communications Manager System Guide</i> for a discussion of trusted relay points.

## Synchronize Media Termination Point

To synchronize a Media Termination Point with the most recent configuration changes, perform the following procedure, which applies any outstanding configuration settings in the least-intrusive manner possible. (For example, a reset/restart may not be required on some affected devices.)

### Procedure

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- Step 1** Choose **Media Resources > Media Termination Point**.  
The Find and List a Media Termination Points window displays.

**Step 2** Choose the search criteria to use.

**Step 3** Click Find.

The window displays a list of a Media Termination Points that match the search criteria.

**Step 4** Check the check boxes next to the Media Termination Points that you want to synchronize. To choose all Media Termination Points in the window, check the check box in the matching records title bar.

**Step 5** Click Apply Config to Selected.

The Apply Configuration Information dialog displays.

**Step 6** Click OK.

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