Media Termination Point Configuration

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 App 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.

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. See the “Transcoder Configuration” section on page 53-1 for more information.

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.

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.

Use the following topics to add, update, and delete media termination points:

- Cisco IOS Media Termination Point Configuration Settings, page 52-2
- Synchronizing a Media Termination Point, page 52-3
- Related Topics, page 52-4
Cisco IOS Media Termination Point Configuration Settings

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

Tips About Configuring Media Termination Points

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.

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.

Tips About Deleting Media Termination Points

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. See the “Media Resource Group Configuration Settings” section on page 54-1.
- Delete the media resource groups that are using the media termination point that you want to delete. See the “Tips About Deleting Media Resource Groups” section on page 54-2.

Using the GUI

For instructions on how to use the Cisco Unified Communications Manager Administration Graphical User Interface (GUI) to find, delete, configure, or copy records, see the “Navigating the Cisco Unified Communications Manager Administration Application” section on page 1-13 and its subsections, which explain how to use the GUI and detail the functions of the buttons and icons.

Configuration Settings Table

Table 52-1 describes Cisco IOS media termination point configuration settings. For related procedures, see the “Related Topics” section on page 52-4.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Media Termination Point Type</td>
<td>Choose Cisco IOS Enhanced Software Media Termination Point. For specific information on this media termination point type, see “Media Termination Points” in the Cisco Unified Communications Manager System Guide.</td>
</tr>
</tbody>
</table>
Synchronizing a 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**

**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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**Table 52-1  Cisco IOS Media Termination Point Configuration Settings (continued)**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Media Termination Point Name</td>
<td>Enter a name for the media termination point, up to 15 alphanumeric characters.</td>
</tr>
<tr>
<td><strong>Note</strong></td>
<td>You cannot use special characters as the MTP name; for example !, @, #, $, or %.</td>
</tr>
<tr>
<td><strong>Tip</strong></td>
<td>Ensure that you enter the same media termination point name that exists in the gateway Command Line Interface (CLI).</td>
</tr>
<tr>
<td>Description</td>
<td>Enter any description for the media termination point.</td>
</tr>
<tr>
<td>Device Pool</td>
<td>Choose a device pool that has the highest priority within the Cisco Unified Communications Manager group that you are using or choose Default.</td>
</tr>
<tr>
<td>Trusted Relay Point</td>
<td>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 “Trusted Relay Point” in the “Media Resource Management” chapter in the Cisco Unified Communications Manager System Guide and its subtopics for a discussion of trusted relay points.</td>
</tr>
</tbody>
</table>

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**Additional Information**

See the “Related Topics” section on page 52-4.
Related Topics

Additional Information

See the “Related Topics” section on page 52-4.

Related Topics

- Media Termination Point Configuration, page 52-1
- Cisco IOS Media Termination Point Configuration Settings, page 52-2
- Synchronizing a Media Termination Point, page 52-3
- Transcoders, Cisco Unified Communications Manager System Guide
- Media Termination Points, Cisco Unified Communications Manager System Guide
- Resource Reservation Protocol, Cisco Unified Communications Manager System Guide
- Media Resource Management, Cisco Unified Communications Manager System Guide