



Transcoder Setup

This chapter provides information to configure transcoders.

For additional information, see topics related to transcoders and media resource management in the Cisco Unified Communications Manager System Guide.

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About Transcoder Setup

In Cisco Unified Communications Manager Administration, use the **Media Resources > Transcoder** menu path to configure transcoders.

The Media Resource Manager (MRM) has responsibility for resource registration and resource reservation of transcoders within a Cisco Unified Communications Manager cluster. Cisco Unified Communications Manager simultaneously supports registration of both the Media Termination Point (MTP) and transcoder and concurrent MTP and transcoder functionality within a single call.

The Cisco Unified Communications Manager invokes a transcoder on behalf of endpoint devices when the two devices are using different codecs and would normally not be able to communicate. When inserted into a call, the transcoder converts the data streams between the two disparate codecs to enable communications between them.

A transcoder control process gets created for each transcoder device that is defined in the database. Each transcoder registers with the MRM when it initializes. The MRM keeps track of the transcoder resources and advertises their availability throughout the cluster.

Transcoder Deletion

You cannot delete a transcoder that is assigned to a media resource group. To find out which media resource groups are using the transcoder, from the Transcoder Configuration window, choose Dependency Records from the Related Links drop-down list box and click Go. If the dependency records are not enabled for the system, the dependency records summary window displays a message. If you try to delete a transcoder that is in use, Cisco Unified Communications Manager displays a message. Before deleting a transcoder that is currently in use, you must remove the transcoder from the media resource group(s) to which it is assigned.

Transcoder Settings

The following table describes the transcoder settings.

Table 1: Transcoder Settings

Field	Description
Transcoder Type	Choose the appropriate transcoder type: Cisco Media Termination Point Hardware, Cisco IOS Media Termination Point, Cisco IOS Enhanced Media Termination Point, or Cisco Media Termination Point (WS-SVC-CMM). For specific information on these transcoder types, see the <i>Cisco Unified Communications Manager System Guide</i> .
Description	Enter a description (up to 128 characters) or leave blank to generate automatically from the MAC address or device name that you provide.
Device Name	This field displays if you chose Cisco IOS Media Termination Point or Cisco IOS Enhanced Media Termination Point as the transcoder type. Enter the same transcoding name that you entered in the gateway Command Line Interface (CLI). Enter up to 15 characters. Valid characters comprise alphanumeric characters (a-z, A-Z, 0-9), as well as dot (.), dash (-), and underscore (_).
Transcoder Name	For Cisco Media Termination Point (WS-SVC-CMM) transcoders, the system fills in this value based on the MAC address that you provide.
MAC Address	For Cisco media termination point hardware or Cisco Media Termination Point (WS-SVC-CMM), enter a MAC address, which must be 12 characters.
Subunit	For Cisco Media Termination Point (WS-SVC-CMM) transcoders, choose a subunit from the drop-down list box.
Device Pool	From the drop-down list box, choose a device pool. For more detailed information on the chosen device pool, click View Details.
Common Device Configuration	From the drop-down list box, choose a common device configuration. For more detailed information on the chosen common device configuration, click View Details.

Field	Description
Special Load Information	Enter any special load information into the Special Load Information field or leave blank to use default. Valid characters include letters, numbers, dashes, dots (periods), and underscores.
Trusted Relay Point	Check this check box to designate this transcoder 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.
Maximum Capacity	For Cisco Media Termination Point (WS-SVC-CMM) transcoders, choose a maximum capacity from the drop-down list box.
Product-Specific Configuration Layout	
Model-specific configuration fields defined by the device manufacturer	The device manufacturer specifies the model-specific fields under product-specific configuration. Because they are dynamically configured, they can change without notice. To view field descriptions and help for product-specific configuration items, click the “?” information icon below the Product Specific Configuration heading to display help in a popup dialog box. If you need more information, see the documentation for the specific device that you are configuring or contact the manufacturer.

Synchronize Transcoder

To synchronize a transcoder 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 > Transcoder**.
The Find and List Transcoders window displays.
- Step 2** Choose the search criteria to use.
- Step 3** Click Find.

The window displays a list of transcoders that match the search criteria.

Step 4 Check the check boxes next to the transcoders that you want to synchronize. To choose all transcoders 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.
