



Transcoder Configuration

Use the following topics to configure transcoders:

- [Transcoder Configuration Settings, page 53-1](#)
- [Synchronizing a Transcoder, page 53-3](#)
- [Related Topics, page 53-4](#)

Transcoder Configuration Settings

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.

Tips About Deleting Transcoders

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. For more information about dependency records, see the [“Accessing Dependency Records” section on page A-2](#). 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.

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 53-1 describes the transcoder configuration settings. For related procedures, see the [“Related Topics”](#) section on page 53-4.

Table 53-1 Transcoder Configuration 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 “Transcoders” chapter in 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 .
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.

Table 53-1 Transcoder Configuration Settings (continued)

Field	Description
Trusted Relay Point	<p>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.</p> <p>See “Trusted Relay Point” and its subtopics in the “Media Resource Management” chapter in the <i>Cisco Unified Communications Manager System Guide</i> for a discussion of trusted relay points.</p>
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	<p>The device manufacturer specifies the model-specific fields under product-specific configuration. Because they are dynamically configured, they can change without notice.</p> <p>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.</p> <p>If you need more information, see the documentation for the specific device that you are configuring or contact the manufacturer.</p>

Additional Information

See the “[Related Topics](#)” section on page 53-4.

Synchronizing a 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**.
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Additional Information

See the “Related Topics” section on page 53-4.

Related Topics

- [Transcoder Configuration](#), page 53-1
- [Transcoder Configuration Settings](#), page 53-1
- [Synchronizing a Transcoder](#), page 53-3
- [Conference Bridge Configuration](#), page 51-1
- [Media Termination Point Configuration](#), page 52-1
- [Transcoders](#), *Cisco Unified Communications Manager System Guide*
- [Transcoder Types in Cisco Unified Communications Manager Administration](#), *Cisco Unified Communications Manager System Guide*
- [Media Resource Management](#), *Cisco Unified Communications Manager System Guide*