



Transcoder Configuration

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.

Use the following topics to configure transcoders:

- [Finding a Transcoder, page 74-1](#)
- [Configuring a Transcoder, page 74-2](#)
- [Resetting a Transcoder, page 74-4](#)
- [Deleting a Transcoder, page 74-5](#)
- [Transcoder Configuration Settings, page 74-3](#)

Finding a Transcoder

Because you might have several transcoders in your network, Cisco Unified Communications Manager lets you locate specific transcoders on the basis of specific criteria. Use the following procedure to locate transcoders.

**Note**

During your work in a browser session, Cisco Unified Communications Manager Administration retains your transcoder search preferences. If you navigate to other menu items and return to this menu item, Cisco Unified Communications Manager Administration retains your transcoder search preferences until you modify your search or close the browser.

Procedure

Step 1 Choose **Media Resources > Transcoder**.

The Find and List Transcoders window displays. Records from an active (prior) query may also display in the window.

Step 2 To find all records in the database, ensure the dialog box is empty; go to [Step 3](#).

To filter or search records

- From the first drop-down list box, select a search parameter.
- From the second drop-down list box, select a search pattern.
- Specify the appropriate search text, if applicable.



Note To add additional search criteria, click the + button. When you add criteria, the system searches for a record that matches all criteria that you specify. To remove criteria, click the – button to remove the last added criterion or click the **Clear Filter** button to remove all added search criteria.

Step 3 Click **Find**.

All matching records display. You can change the number of items that display on each page by choosing a different value from the Rows per Page drop-down list box.



Note You can delete multiple records from the database by checking the check boxes next to the appropriate record and clicking **Delete Selected**. You can delete all configurable records for this selection by clicking **Select All** and then clicking **Delete Selected**.

Step 4 From the list of records that display, click the link for the record that you want to view.

Note To reverse the sort order, click the up or down arrow, if available, in the list header.

The window displays the item that you choose.

Additional Information

See the [“Related Topics”](#) section on page 74-5.

Configuring a Transcoder

This section describes how to configure a transcoder.

Procedure

Step 1 Choose **Media Resources > Transcoder**.

The Find and List Transcoders window displays.

- Step 2** Perform one of the following tasks:
- To copy an existing transcoder, locate the appropriate transcoder as described in the [“Finding a Transcoder” section on page 74-1](#), click the **Copy** button next to the transcoder that you want to copy, and continue with [Step 3](#).
 - To add a new transcoder, click the **Add New** button and continue with [Step 3](#).
 - To update an existing transcoder, locate the appropriate transcoder as described in the [“Finding a Transcoder” section on page 74-1](#) and continue with [Step 3](#).
- Step 3** Enter the appropriate settings as described in [Table 74-1](#).
- Step 4** Click **Save**.
- The window refreshes and shows specific information, including the status, for the transcoder that you just configured.

Additional Information

See the [“Related Topics” section on page 74-5](#).

Transcoder Configuration Settings

[Table 74-1](#) describes the transcoder configuration settings. For related procedures, see the [“Related Topics” section on page 74-5](#).

Table 74-1 *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, refer to 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).
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.

Table 74-1 Transcoder Configuration Settings (continued)

Field	Description
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.
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. Refer to “ 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.
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, refer to the documentation for the specific device that you are configuring or contact the manufacturer.

Additional Information

See the “[Related Topics](#)” section on page 74-5.

Resetting a Transcoder

This section describes how to reset a Transcoder.

Procedure

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- Step 1** Choose **Media Resources > Transcoder**.
- Step 2** From the Transcoders list, choose the transcoder that you want to reset.
The window refreshes and displays the transcoder that you chose.
- Step 3** Click **Reset**.
The Reset dialog box displays.

Step 4 Click **Reset** again.

Additional Information

See the “[Related Topics](#)” section on page 74-5.

Deleting a Transcoder

This section describes how to delete a transcoder.

Before You Begin

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.

Procedure

- Step 1 Locate the transcoder by using the procedure in the “[Finding a Transcoder](#)” section on page 74-1.
- Step 2 From the list of matching records, choose the transcoder that you want to delete.
The window refreshes and displays the transcoder that you chose.
- Step 3 Click **Delete**.
A message displays that states that you are about to permanently delete this transcoder and that you cannot undo this action.
- Step 4 If you want to continue, click **OK** or, to cancel the deletion, click **Cancel**.
After the window refreshes, the transcoder that you deleted no longer appears in the transcoder list.
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Additional Information

See the “[Related Topics](#)” section on page 74-5.

Related Topics

- [Finding a Transcoder](#), page 74-1
- [Configuring a Transcoder](#), page 74-2
- [Resetting a Transcoder](#), page 74-4
- [Deleting a Transcoder](#), page 74-5
- [Transcoder Configuration Settings](#), page 74-3

- [Conference Bridge Configuration](#), page 69-1
- [Media Termination Point Configuration](#), page 70-1
- [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*