



Transcoder Configuration

The Media Resource Manager (MRM) has responsibility for resource registration and resource reservation of transcoders within a Cisco Unified CallManager cluster. Cisco Unified CallManager 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 CallManager 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 59-1](#)
- [Configuring a Transcoder, page 59-3](#)
- [Resetting a Transcoder, page 59-3](#)
- [Deleting a Transcoder, page 59-4](#)
- [Transcoder Configuration Settings, page 59-5](#)

Finding a Transcoder

Because you might have several transcoders in your network, Cisco Unified CallManager 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 CallManager Administration retains your transcoder search preferences. If you navigate to other menu items and return to this menu item, Cisco Unified CallManager 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. Use the two drop-down list boxes to search for a transcoder.

Step 2 From the first Find Transcoders where drop-down list box, choose one of the following criteria:

- Name
- Description
- Device Pool



Note The criterion that you choose in this drop-down list box specifies how the list of transcoders that your search generates will be sorted. For example, if you choose Device Pool, the Device Pool column will display as the left column of the results list.

From the second Find Transcoders where drop-down list box, choose one of the following criteria:

- begins with
- contains
- ends with
- is exactly
- is empty
- is not empty

Step 3 Specify the appropriate search text, if applicable, and click **Find**. You can also specify how many items per page to display.



Tip To find all transcoders that are registered in the database, click **Find** without entering any search text.

A list of discovered transcoders displays by

- Transcoder icon
- Transcoder name
- Description
- Device Pool
- Status
- IP Address



Note You can delete multiple transcoders from the Find and List Transcoders window by checking the check boxes next to the appropriate transcoders and clicking **Delete Selected**. You can delete all transcoders in the window by clicking **Select All** and then clicking **Delete Selected**.

- Step 4** From the list of records, click the Transcoder icon or name, the Description, or the associated Device Pool that matches your search criteria.
- The window displays the transcoder that you choose.
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Additional Information

See the [“Related Topics” section on page 59-6](#).

Configuring a Transcoder

This section describes how to configure a transcoder.

Procedure

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- 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 59-1](#), 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 59-1](#) and continue with [Step 3](#).
- Step 3** Enter the appropriate settings as described in [Table 59-1](#).
- Step 4** Click **Save**.
- The window refreshes and shows specific information, including the status, for the transcoder that you just configured.
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Additional Information

See the [“Related Topics” section on page 59-6](#).

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.
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Additional Information

See the [“Related Topics” section on page 59-6](#).

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 CallManager displays an error 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

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- Step 1** Locate the transcoder by using the procedure in the [“Finding a Transcoder” section on page 59-1](#).
- 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 59-6](#).

Transcoder Configuration Settings

Table 59-1 describes the transcoder configuration settings. For related procedures, see the “[Related Topics](#)” section on page 59-6.

Table 59-1 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 “ Transcoders ” in the <i>Cisco Unified CallManager System Guide</i> .
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.
Description	Enter a description (up to 50 characters) or leave blank to generate automatically from the MAC address or device name 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	Choose a device pool. For more detailed information on the chosen device pool, 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.
Maximum Capacity	For Cisco media termination point (WS-SVC-CMM) transcoders, choose a maximum capacity from the drop-down list box.
Product-Specific Configuration	
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.

Related Topics

- [Finding a Transcoder, page 59-1](#)
- [Configuring a Transcoder, page 59-3](#)
- [Resetting a Transcoder, page 59-3](#)
- [Deleting a Transcoder, page 59-4](#)
- [Transcoder Configuration Settings, page 59-5](#)
- [Conference Bridge Configuration, page 54-1](#)
- [Media Termination Point Configuration, page 55-1](#)
- [Transcoders](#), *Cisco Unified CallManager System Guide*
- [Transcoder Types in Cisco Unified CallManager Administration](#), *Cisco Unified CallManager System Guide*