



Media Resource Group Configuration

Media resource management comprises working with media resource groups and media resource group lists. Media resource management provides a mechanism for managing media resources, so all Cisco CallManagers within a cluster can share them. Media resources provide conferencing, transcoding, media termination, and music on hold services.

You can associate a Media Resource Group, a logical grouping of media servers, with a geographical location or with a site as desired. You can also form Media Resource Groups to control the usage of servers or the type of service (unicast or multicast) that is desired.

You can group devices of the following types into a single Media Resource Group:

- Conference Bridge (CFB)
- Media Termination Point (MTP)
- Music On Hold Server (MOH)
- Transcoder (XCODE)

Use the following topics to configure Media Resource Groups:

- [Finding a Media Resource Group, page 28-2](#)
- [Adding a Media Resource Group, page 28-4](#)
- [Updating a Media Resource Group, page 28-5](#)
- [Copying a Media Resource Group, page 28-6](#)
- [Deleting a Media Resource Group, page 28-7](#)
- [Media Resource Group Configuration Settings, page 28-9](#)

- [Understanding Media Resources](#), *Cisco CallManager System Guide*
- [Media Resource Group and Media Resource Group List Configuration Checklist](#), *Cisco CallManager System Guide*

Finding a Media Resource Group

Because you might have several media resource groups in your network, Cisco CallManager lets you locate specific media resource groups on the basis of specific criteria. Use the following procedure to locate media resource groups.

**Note**

During your work in a browser session, Cisco CallManager Administration retains your media resource group search preferences. If you navigate to other menu items and return to this menu item, Cisco CallManager Administration retains your media resource group search preferences until you modify your search or close the browser.

Procedure

Step 1 Choose **Service > Media Resource > Media Resource Group**.

The Find and List Media Resource Group window displays. Use the two drop-down list boxes to search for a media resource group.

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

- Name
- Description

**Note**

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

From the second Find Media Resource Groups 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 media resource groups that are registered in the database, click **Find** without entering any search text.

A list of discovered media resource groups displays by

- Media Resource Group icon
- Media Resource Group name
- Description
- Multicast



Note You can delete multiple media resource groups from the Find and List Media Resource Group window by checking the check boxes next to the appropriate media resource groups and clicking **Delete Selected**. You can delete all media resource groups in the window by checking the check box in the Matching records title bar and clicking **Delete Selected**.

Step 4 From the list of records, click the Media Resource Group icon or name, the Description, or the Multicast setting that matches your search criteria.

The window displays the media resource group that you choose.

Related Topics

- [Adding a Media Resource Group, page 28-4](#)
- [Updating a Media Resource Group, page 28-5](#)
- [Copying a Media Resource Group, page 28-6](#)
- [Deleting a Media Resource Group, page 28-7](#)
- [Media Resource Group Configuration Settings, page 28-9](#)
- [Understanding Media Resources, *Cisco CallManager System Guide*](#)
- [Media Resource Group and Media Resource Group List Configuration Checklist, *Cisco CallManager System Guide*](#)

Adding a Media Resource Group

Perform the following procedure to add a Media Resource Group.



Note

You cannot delete a media resource, such as a conference bridge, that is part of a Media Resource Group unless you first remove the resource from the Media Resource Group or you delete the Media Resource Group that contains the media resource.

Procedure

- Step 1** Choose **Service > Media Resource > Media Resource Group**.
- Step 2** In the upper, right corner of the window, click the **Add a New Media Resource Group** link.
- The Media Resource Group Configuration window displays.
- Step 3** Enter the appropriate settings as described in [Table 28-1](#).
- Step 4** Click **Insert**.
- The Status changes from *Ready* to *Insert completed*. The list of Media Resource Groups now includes the new Media Resource Group.
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Related Topics

- [Finding a Media Resource Group, page 28-2](#)
- [Updating a Media Resource Group, page 28-5](#)
- [Copying a Media Resource Group, page 28-6](#)
- [Deleting a Media Resource Group, page 28-7](#)
- [Media Resource Group Configuration Settings, page 28-9](#)
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Updating a Media Resource Group

Perform the following procedure to update an existing Media Resource Group.

**Note**

You cannot delete a media resource, such as a conference bridge, that is part of a Media Resource Group unless you first remove the resource from the Media Resource Group or you delete the Media Resource Group that contains the media resource.

Procedure

- Step 1** Locate the media resource group by using the procedure in the [“Finding a Media Resource Group” section on page 28-2](#).
- Step 2** Click the media resource group that you want to update.
- Step 3** Update the desired settings as described in [Table 28-1](#).

**Note**

Restarting devices resets all devices that are associated with this Media Resource Group. Cisco CallManager may drop active calls on affected gateways.

Step 4 Click **Update**.

The Status changes from *Ready* to *Update completed*.

Step 5 To restart all devices in a Media Resource Group (both available and selected resources), click the **Restart Devices** button.

Related Topics

- [Finding a Media Resource Group, page 28-2](#)
- [Adding a Media Resource Group, page 28-4](#)
- [Copying a Media Resource Group, page 28-6](#)
- [Deleting a Media Resource Group, page 28-7](#)
- [Media Resource Group Configuration Settings, page 28-9](#)
- [Understanding Media Resources, Cisco CallManager System Guide](#)
- [Media Resource Group and Media Resource Group List Configuration Checklist, Cisco CallManager System Guide](#)

Copying a Media Resource Group

Perform the following procedure to copy an existing Media Resource Group.

Procedure

- Step 1** Locate the media resource group by using the procedure in the [“Finding a Media Resource Group” section on page 28-2](#).
- Step 2** From the Matching records list, click the **Copy** icon that corresponds to the media resource group that you want to copy.
- Step 3** Update the desired settings as described in [Table 28-1](#). To restart all devices in a Media Resource Group (both available and selected resources), click the **Restart Devices** button.



Note You must change at least the Media Resource Group Name.



Note Restarting devices resets all devices that are associated with this Media Resource Group. Cisco CallManager may drop active calls on affected gateways.

Step 4 Click **Insert**.

The screen refreshes, and the new media resource group is added to the database.

Related Topics

- [Finding a Media Resource Group, page 28-2](#)
- [Adding a Media Resource Group, page 28-4](#)
- [Updating a Media Resource Group, page 28-5](#)
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Deleting a Media Resource Group

Perform the following procedure to delete an existing Media Resource Group.

Before You Begin

You cannot delete a Media Resource Group that is assigned to a Media Resource Group List. To find out which media resource group lists are using the media resource group, click the **Dependency Records** link from the Media Resource Group Configuration window. For more information about dependency records, see the [“Accessing Dependency Records” section on page A-1](#). If you try to delete

a media resource group that is in use, Cisco CallManager displays an error message. Before deleting a media resource group that is currently in use, you must perform either or both of the following tasks:

- Assign a different media resource group list to any media resource groups that are using the media resource group that you want to delete. See the [“Updating a Media Resource Group List”](#) section on page 29-5.
- Delete the media resource group lists that are using the media resource group that you want to delete. See the [“Deleting a Media Resource Group List”](#) section on page 29-7.

Procedure

- Step 1** Locate the media resource group by using the procedure in the [“Finding a Media Resource Group”](#) section on page 28-2.
- Step 2** From list of matching records, choose the media resource group that you want to delete.
- Step 3** Click the **Delete** button.
- A message displays that states that you are about to permanently delete this media resource group and that you cannot undo this action.
- Step 4** If you want to continue, click **OK** or to cancel the deletion, click **Cancel**.
- The chosen Media Resource Group no longer appears in the Media Resource Groups list.
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Related Topics

- [Finding a Media Resource Group, page 28-2](#)
- [Adding a Media Resource Group, page 28-4](#)
- [Copying a Media Resource Group, page 28-6](#)
- [Updating a Media Resource Group, page 28-5](#)
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Media Resource Group Configuration Settings

Table 28-1 describes the configuration settings that are used for configuring Media Resource Groups.

Table 28-1 Media Resource Group Configuration Settings

Field	Description
Media Resource Group Name	Enter a unique name in this required field for the Cisco CallManager to identify the Media Resource Group. This name can comprise up to 50 characters. Valid characters include letters, numbers, spaces, dashes, dots (periods), and underscores.
Description	Enter a description for the Media Resource Group. This description can comprise up to 50 characters. Ensure Description does not contain double quotes (“”), less than (<), greater than (>), or the percent sign (%).
Devices for this Group	This area comprises two panes that are used to define the media resources for a Media Resource Group: Available Media Resources and Selected Media Resources.
Available Media Resources	<p>This pane lists the media resources that can be chosen for a Media Resource Group. The list includes the following media resource types:</p> <ul style="list-style-type: none"> • Conference Bridges (CFB) • Media Termination Points (MTP) • Music On Hold Servers (MOH) • Transcoders (XCODE) <p>Music On Hold servers that are configured for multicast are labeled as <i>(MOH)[Multicast]</i>.</p> <p>To add a media resource for this Media Resource Group, choose one from the list and click the down arrow. After a media resource is added, its name moves to the Selected Media Resources pane.</p>

Table 28-1 Media Resource Group Configuration Settings (continued)

Field	Description
Selected Media Resources	<p>This pane lists the media resources that were chosen for a Media Resource Group. For any Media Resource Group, you must choose at least one media resource.</p> <p>To delete (unselect) a media resource, choose its name in the list and click the up arrow.</p>
Use Multicast for MOH Audio	<p>To use multicast for Music On Hold Audio, check this check box. To do so, make sure that at least one of the Selected Media Resources is a multicast MOH server.</p> <p>Note The system administrator has responsibility for configuring or creating multicast audio sources.</p>

Related Topics

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- [Deleting a Media Resource Group, page 28-7](#)
- [Media Resource Group List Configuration, page 29-1](#)
- [Understanding Media Resources, *Cisco CallManager System Guide*](#)
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