



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 Unified CallManagers within a cluster can share them. Media resources provide conferencing, transcoding, media termination, annunciator, 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)
- Annunciator (ANN)

Use the following topics to configure Media Resource Groups:

- [Finding a Media Resource Group, page 60-1](#)
- [Configuring a Media Resource Group, page 60-3](#)
- [Media Resource Group Configuration Settings, page 60-4](#)
- [Deleting a Media Resource Group, page 60-5](#)
- [Understanding Media Resources, *Cisco Unified CallManager System Guide*](#)
- [Media Resource Group and Media Resource Group List Configuration Checklist, *Cisco Unified CallManager System Guide*](#)

Finding a Media Resource Group

Because you might have several media resource groups in your network, Cisco Unified 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 Unified CallManager Administration retains your media resource group search preferences. If you navigate to other menu items and return to this menu item, Cisco Unified CallManager Administration retains your media resource group search preferences until you modify your search or close the browser.

Procedure**Step 1** Choose **Media Resources > 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 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 clicking **Select All** and then 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.

Additional Information

See the [“Related Topics” section on page 60-6](#).

Configuring a Media Resource Group

Perform the following procedure to add, update, or copy 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 **Media Resources > Media Resource Group**.
- The Find and List Media Resource Group window displays.
- Step 2** Perform one of the followings tasks:
- To copy an media resource group, locate the appropriate media resource group as described in [“Finding a Media Resource Group” section on page 60-1](#). From the Search Results list, click the **Copy** icon that corresponds to the media resource group that you want to copy, and continue with [Step 3](#).
 - To add a new media resource group, click the **Add New** button. The Media Resource Group Configuration window displays. Continue with [Step 3](#).
 - To update an existing media resource group, locate the appropriate media resource group as described in [“Finding a Media Resource Group” section on page 60-1](#), and continue with [Step 3](#).
- Step 3** Enter the appropriate settings as described in [Table 60-1](#).
- Step 4** Click **Save**.
- If you are copying a media resource group, you should change at least the media resource group name.
- If you are adding a media resource group, the Status changes from *Ready* to *Insert completed*. The list of Media Resource Groups now includes the new Media Resource Group.
- If you are updating an existing media resource group, the Status changes from *Ready* to *Update completed*.

To reset all devices in a Media Resource Group (both available and selected resources), click the **Reset Devices** button.



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

Additional Information

See the [“Related Topics” section on page 60-6](#).

Media Resource Group Configuration Settings

[Table 60-1](#) describes the configuration settings that are used for configuring Media Resource Groups. For more information about related procedures, see the [“Related Topics” section on page 60-6](#).

Table 60-1 Media Resource Group Configuration Settings

Field	Description
Media Resource Group Name	Enter a unique name in this required field for the Cisco Unified 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	This pane lists the media resources that can be chosen for a Media Resource Group. The list includes the following media resource types: • Conference Bridges (CFB) • Media Termination Points (MTP) • Music On Hold Servers (MOH) • Transcoders (XCODE) • Annunciator (ANN) Music On Hold servers that are configured for multicast are labeled as <i>(MOH)[Multicast]</i>. 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.

Table 60-1 Media Resource Group Configuration Settings (continued)

Field	Description
Selected Media Resources	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. To delete (unselect) a media resource, choose its name in the list and click the up arrow.
Use Multicast for MOH Audio	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. Note The system administrator has responsibility for configuring or creating multicast audio sources.

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 groups lists are using the media resource group, in the Media Resource Group Configuration window, from the Related Links drop-down list box, choose **Dependency Records** 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 media resource group that is in use, Cisco Unified 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 [“Configuring a Media Resource Group List” section on page 61-2](#).
- 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 61-4](#).

Procedure

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- Step 1** Locate the media resource group by using the procedure in the [“Finding a Media Resource Group” section on page 60-1](#).
- 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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Additional Information

See the [“Related Topics”](#) section on page 60-6.

Related Topics

- [Finding a Media Resource Group](#), page 60-1
- [Configuring a Media Resource Group](#), page 60-3
- [Media Resource Group Configuration Settings](#), page 60-4
- [Deleting a Media Resource Group](#), page 60-5
- [Accessing Dependency Records](#), page A-2
- [Understanding Media Resources](#), *Cisco Unified CallManager System Guide*
- [Media Resource Group and Media Resource Group List Configuration Checklist](#), *Cisco Unified CallManager System Guide*

Media Resource Group List

- [Media Resource Group List Configuration](#), page 61-1
- [Configuring a Media Resource Group List](#), page 61-2
- [Deleting a Media Resource Group List](#), page 61-4