



CHAPTER 4

Cisco Unified Communications Manager Group Configuration

Use the following topics to configure a Cisco Unified Communications Manager group:

- [Cisco Unified Communications Manager Group Configuration Settings, page 4-1](#)
- [Synchronizing a Cisco Unified Communications Manager Group with Affected Devices, page 4-4](#)
- [Related Topics, page 4-4](#)

Cisco Unified Communications Manager Group Configuration Settings

In Cisco Unified Communications Manager Administration, use the **System > Cisco Unified CM Group** menu path to configure Cisco Unified Communications Manager groups.

A Cisco Unified Communications Manager Group specifies a prioritized list of up to three Cisco Unified Communications Managers. The first Cisco Unified Communications Manager in the list serves as the primary Cisco Unified Communications Manager for that group, and the other members of the group serve as secondary and tertiary (backup) Cisco Unified Communications Managers.

Each device pool has one Cisco Unified Communications Manager Group that is assigned to it. When a device registers, it attempts to connect to the primary (first) Cisco Unified Communications Manager in the group that is assigned to its device pool. If the primary Cisco Unified Communications Manager is not available, the device tries to connect to the next Cisco Unified Communications Manager that is listed in the group, and so on.

Cisco Unified Communications Manager Groups provide important features for your system:

- **Redundancy**—This feature enables you to designate a primary and backup Cisco Unified Communications Managers for each group.
- **Call processing load balancing**—This feature enables you to distribute the control of devices across multiple Cisco Unified Communications Managers.

For most systems, you need to have multiple groups, and you need to assign a single Cisco Unified Communications Manager to multiple groups to achieve better load distribution and redundancy.

Tips About Configuring Cisco Unified Communications Manager Groups

Before configuring a Cisco Unified Communications Manager group, you must configure the Cisco Unified Communications Managers that you want to assign as members of that group. See the [“Cisco Unified Communications Manager Configuration Settings” section on page 3-1](#) for more information.

After you have configured the Cisco Unified Communications Manager Group, you can use it to configure device pools. Devices obtain their Cisco Unified Communications Manager Group list setting from the device pool to which they are assigned.

Tips About Deleting Cisco Unified Communications Manager Groups

**Note**

You cannot delete a Cisco Unified Communications Manager group if it is assigned to any device pools or MGCP gateways or if it is the current Auto-registration Cisco Unified Communications Manager Group for the cluster.

To find out which devices are using the Cisco Unified Communications Manager group, choose **Dependency Records** from the Related Links drop-down list box on the Cisco Unified Communications Manager Group Configuration window and click **Go**.

If the dependency records feature is not enabled for the system, the dependency records summary window displays a message that shows the action that you can take to enable the dependency records; the message also displays information about high CPU consumption that is related to the dependency records feature. For more information about dependency records, see the [“Accessing Dependency Records” section on page A-2](#).

If you attempt to delete a Cisco Unified Communications Manager group that is in use, a message displays. Before deleting a Cisco Unified Communications Manager group that is currently in use, you must perform some or all of the following tasks:

- Assign a different Cisco Unified Communications Manager group to the device pools or MGCP gateways that currently use this Cisco Unified Communications Manager group. See the [“Device Pool Configuration Settings” section on page 8-1](#).
- Create or choose a different Cisco Unified Communications Manager group to be the Auto-registration Cisco Unified Communications Manager Group.

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 4-1 describes the configuration settings for Cisco Unified Communications Manager groups. For related procedures, see the “[Related Topics](#)” section on page 4-4.

Table 4-1 Cisco Unified Communications Manager Group Configuration Settings

Field	Description
Cisco Unified Communications Manager Group Settings	
Name	Enter the name of the new group.
Auto-registration Cisco Unified Communications Manager Group	<p>Check the Auto-registration Cisco Unified Communications Manager Group check box if you want this Cisco Unified Communications Manager group to be the default Cisco Unified Communications Manager group when auto-registration is enabled.</p> <p>Leave this check box unchecked if you do not want devices to auto-register with this Cisco Unified Communications Manager group.</p> <p>Tip Each Cisco Unified Communications Manager cluster can have only one default auto-registration group. If you choose a different Cisco Unified Communications Manager group as the default auto-registration group, that is, you check the Auto-registration Cisco Unified Communications Manager Group check box for a different Cisco Unified Communications Manager group, the previously chosen auto-registration group no longer serves as the default for the cluster; the Auto-registration Cisco Unified Communications Manager check box displays for the previously chosen group (the original default), and the check box gets disabled for the group that now serves as the default.</p>
Cisco Unified Communications Manager Group Members	
Available Cisco Unified Communications Managers	<p>This field displays the list of available Cisco Unified Communications Manager that are not a part of the Cisco Unified Communications Manager group.</p> <p>Choose the Cisco Unified Communications Manager names and use the up and down arrows to move Cisco Unified Communications Managers between the <i>Selected</i> list and the <i>Available</i> list.</p>
Selected Cisco Unified Communications Managers	<p>This field displays the Cisco Unified Communications Managers that are in the Cisco Unified Communications Manager group. The <i>Selected</i> list, which can contain up to three Cisco Unified Communications Managers, lists the Cisco Unified Communications Managers in order by highest priority. Cisco Unified Communications Managers in the <i>Selected</i> list become members of the group when you click Save.</p> <p>Choose the Cisco Unified Communications Manager names and use the up and down arrows to move Cisco Unified Communications Managers between the <i>Selected</i> list and the <i>Available</i> list.</p> <p>Within the <i>Selected</i> list, use the up and down arrows to arrange the groups in the <i>Selected</i> list in the order that you want.</p>

Additional Information

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

Synchronizing a Cisco Unified Communications Manager Group with Affected Devices

To synchronize a Cisco Unified Communications Manager Group that has undergone recent configuration changes their associated registered devices, 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

- Step 1** Choose **Media Resources > Cisco Unified CM Group**.
The Find and List Cisco Unified CM Groups window displays.
- Step 2** Choose the search criteria to use.
- Step 3** Click **Find**.
The window displays a list of Cisco Unified CM Groups that match the search criteria.
- Step 4** Click the Cisco Unified CM Group that you want to synchronize with affected devices. The Cisco Unified CM Group Configuration window displays.
- Step 5** Make any additional configuration changes.
- Step 6** Click **Save**.
- Step 7** Click **Apply Config**.
The **Apply Configuration Information** dialog displays.
- Step 8** Click **OK**.
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Additional Information

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

Related Topics

- [Cisco Unified Communications Manager Group Configuration, page 4-1](#)
- [Cisco Unified Communications Manager Group Configuration Settings, page 4-1](#)
- [Synchronizing a Cisco Unified Communications Manager Group with Affected Devices, page 4-4](#)