



Cisco CallManager Group Configuration

A Cisco CallManager group specifies a prioritized list of up to three Cisco CallManagers. The first Cisco CallManager in the list serves as the primary Cisco CallManager for that group, and the other members of the group serve as secondary (backup) Cisco CallManagers.

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

Cisco CallManager groups provide important features for your system:

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

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

Use the following topics to add, update, or delete a Cisco CallManager group:

- [Adding a Cisco CallManager Group, page 4-2](#)
- [Updating a Cisco CallManager Group, page 4-3](#)
- [Copying a Cisco CallManager Group, page 4-4](#)

- [Deleting a Cisco CallManager Group, page 4-5](#)
- [Cisco CallManager Group Configuration Settings, page 4-6](#)

Adding a Cisco CallManager Group

This section describes how to configure a new Cisco CallManager group. You can also create a new Cisco CallManager group by copying an existing one. See the [“Copying a Cisco CallManager Group” section on page 4-4](#) for more information.

Before You Begin

Before configuring a Cisco CallManager group, you must configure the Cisco CallManagers that you want to assign as members of that group. See the [“Adding a Cisco CallManager” section on page 3-2](#) for more information.

Procedure

- Step 1** Choose **System > Cisco CallManager Group**.
- Step 2** Enter the appropriate settings as described in [Table 4-1](#).
- Step 3** Click **Insert** to save the Cisco CallManager group in the database.

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

Related Topics

- [Updating a Cisco CallManager Group, page 4-3](#)
- [Copying a Cisco CallManager Group, page 4-4](#)
- [Deleting a Cisco CallManager Group, page 4-5](#)
- [Cisco CallManager Group Configuration Settings, page 4-6](#)

Updating a Cisco CallManager Group

This section describes how to update an existing Cisco CallManager group.

Procedure

- Step 1** Choose **System > Cisco CallManager Group**.
- Step 2** From the Cisco CallManager Group list, choose the group that you want to update.
- Step 3** Update the appropriate settings as described in [Table 4-1](#).



Note To designate a group as the default Auto-registration Cisco CallManager Group, check the Auto-registration Cisco CallManager Group check box.

If the currently selected group is the default group for auto-registration, you cannot change it by unchecking the Auto-registration Cisco CallManager Group check box. You must choose a different default auto-registration group. When you do so, the Cisco CallManager automatically changes the currently selected default auto-registration group.

- Step 4** Click **Update** to save the changes in the database.
- You must reset the devices that use the updated Cisco CallManager group to apply the changes. To reset all the devices that use this Cisco CallManager group, click **Reset Devices**.



Tip

For your convenience in resetting devices, the **Reset Devices** button resets all devices in the device pool that uses this Cisco CallManager group.



Caution

Resetting devices can cause calls in progress to drop.

Related Topics

- [Adding a Cisco CallManager Group, page 4-2](#)
- [Copying a Cisco CallManager Group, page 4-4](#)
- [Deleting a Cisco CallManager Group, page 4-5](#)
- [Cisco CallManager Group Configuration Settings, page 4-6](#)

Copying a Cisco CallManager Group

Use the following procedure to add a new Cisco CallManager group by copying settings from an existing group.

Procedure

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- Step 1** Choose **System > Cisco CallManager Group**.
 - Step 2** From the Cisco CallManager Group list, choose the name of the group that you want to copy.
 - Step 3** Click **Copy**.
 - Step 4** In the Cisco CallManager Group field, enter the name of the new group. You must change the name of the group.
 - Step 5** Edit the fields that you want to change as described in [Table 4-1](#).
 - Step 6** Click **Insert** to apply the changes and add the new Cisco CallManager group to the database.
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Related Topics

- [Adding a Cisco CallManager Group, page 4-2](#)
- [Updating a Cisco CallManager Group, page 4-3](#)
- [Deleting a Cisco CallManager Group, page 4-5](#)
- [Cisco CallManager Group Configuration Settings, page 4-6](#)

Deleting a Cisco CallManager Group

This section describes how to delete a Cisco CallManager group from the database.

Before You Begin

You cannot delete a Cisco CallManager group if it is assigned to any device pools or MGCP gateways or if it is the current Auto-registration Cisco CallManager Group for the cluster. If you try to delete a Cisco CallManager group that is in use, an error message displays. Before deleting a Cisco CallManager group that is currently in use, you must perform some or all of the following tasks:

- Assign a different Cisco CallManager group to the device pools or MGCP gateways that are currently using this Cisco CallManager group. See the [“Updating a Device Pool” section on page 8-3](#).
- Create or choose a different Cisco CallManager group to be the Auto-registration Cisco CallManager Group.

Procedure

- Step 1** Choose **System > Cisco CallManager Group**.
- Step 2** From the Cisco CallManager Group list, choose the group that you want to delete.
- Step 3** Click **Delete**.
- Step 4** When asked to confirm the delete operation, click either **OK** to delete or **Cancel** to cancel the delete operation.
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Related Topics

- [Adding a Cisco CallManager Group, page 4-2](#)
- [Updating a Cisco CallManager Group, page 4-3](#)
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Cisco CallManager Group Configuration Settings

Table 4-1 describes the configuration settings for Cisco CallManager groups.

Table 4-1 Cisco CallManager Group Configuration Settings

Field	Description
Cisco CallManager Group	Enter the name of the new group.
Auto-registration Cisco CallManager Group	<p>Check the Auto-registration Cisco CallManager Group check box if you want this Cisco CallManager group to be the default Cisco CallManager 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 CallManager group.</p> <p>Note Each Cisco CallManager cluster can have only one default auto-registration group. If you select a different Cisco CallManager group as the default auto-registration group, the previously chosen auto-registration group no longer serves as the default for the cluster.</p>

Table 4-1 Cisco CallManager Group Configuration Settings (continued)

Field	Description
Available Cisco CallManagers	<p>This field displays the list of available Cisco CallManager that are not a part of the Cisco CallManager group.</p> <p>Choose the Cisco CallManager names and use the left and right arrows to move Cisco CallManagers between the <i>Selected</i> list and the <i>Available</i> list.</p>
Selected Cisco CallManagers	<p>This field displays the Cisco CallManagers that are in the Cisco CallManager group. The <i>Selected</i> list can contain up to three Cisco CallManagers. Cisco CallManagers in the <i>Selected</i> list become members of the group when you click Insert.</p> <p>Choose the Cisco CallManager names and use the left and right arrows to move Cisco CallManagers between the <i>Selected</i> list and the <i>Available</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>

Related Topics

- [Adding a Cisco CallManager Group, page 4-2](#)
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