



Location Configuration

Use locations to implement call admission control in a centralized call processing system. Call admission control enables you to regulate voice quality by limiting the amount of bandwidth available for calls over links between the locations. For more information, refer to the “[Call Admission Control](#)” section in the *Cisco CallManager System Guide*.



Note

If you do not use call admission control to limit the voice bandwidth on an IP WAN link, an unlimited number of calls can be active on that link at the same time. This can cause the voice quality of each call to degrade as the link becomes oversubscribed.

In a centralized call processing system, a single Cisco CallManager cluster provides call processing for all locations on the IP telephony network. The Cisco CallManager cluster usually resides at the main (or central) location, along with other devices such as phones and gateways. The remote locations contain additional devices but no Cisco CallManager. IP WAN links connect the remote locations to the main location.

The following topics explain locations in more detail:

- [Adding a Location, page 10-2](#)
- [Updating a Location, page 10-3](#)
- [Deleting a Location, page 10-3](#)
- [Location Configuration Settings, page 10-5](#)
- [Locations, Cisco CallManager System Guide](#)

Adding a Location

This section describes how to add a new location to the Cisco CallManager database.

Before You Begin

Before configuring a location, you must configure the Cisco CallManagers that form the cluster. For details, see the [“Adding a Cisco CallManager” section on page 3-1](#)

Procedure

- Step 1** Choose **System > Location**.
 - Step 2** If there is an existing location with settings that are similar to the new location you want to configure, click the existing location to display its settings. If you want to use a copy of the existing location to configure the new one, click **Copy**.
 - Step 3** Enter the appropriate settings as described in [Table 10-1](#).
 - Step 4** Click **Insert** to save the location information in the database.
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Next Steps

After adding a new location to the database, you can assign devices to that location. For example, see:

- [Gateway Configuration, page 41-1](#)
- [Cisco IP Phone Configuration, page 42-1](#)

Related Topics

- [Updating a Location, page 10-3](#)
- [Deleting a Location, page 10-3](#)
- [Location Configuration Settings, page 10-5](#)

Updating a Location

This section describes how to modify the configuration of a location.

Procedure

- Step 1** Choose **System > Location**.
 - Step 2** From the Locations list, choose the location you want to update.
 - Step 3** Update the appropriate settings as described in [Table 10-1](#). Before saving the changes, you can click **Cancel** to reset all fields to original values.
 - Step 4** Click **Update** to save the changes in the database.
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Related Topics

- [Adding a Location, page 10-2](#)
- [Deleting a Location, page 10-3](#)
- [Location Configuration Settings, page 10-5](#)

Deleting a Location

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

Before You Begin

You cannot delete a location that has any devices assigned to it. If you try to delete a location that is in use, Cisco CallManager displays an error message. Before deleting a location that is currently in use, you must perform either or both of the following tasks:

- Update the devices to assign them to a different location.
- Delete the devices assigned to the location you want to delete.

**Note**

Deleting a location allocates infinite bandwidth for the links connected to that location and allows an unlimited number of calls on those links. Deleting a location can cause voice quality on the links to degrade.

Procedure

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- Step 1** Choose **System > Location**.
- Step 2** From the Locations list, choose the location you want to delete.
- Step 3** Click **Delete**.
- Step 4** When prompted to confirm the delete operation, click either **OK** to confirm deletion or **Cancel** to cancel the delete operation.
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Related Topics

- [Adding a Location, page 10-2](#)
- [Updating a Location, page 10-3](#)
- [Location Configuration Settings, page 10-5](#)

Location Configuration Settings

Table 10-1 describes the location configuration settings.

Table 10-1 Location Configuration Settings

Field	Description
Location Name	Enter the name of the new location you are creating
Bandwidth	<p>Enter the maximum amount of voice bandwidth (in kbps) available for all calls on the link between this location and other locations.</p> <p>For purposes of location bandwidth calculations only, assume that each call consumes the following amount of bandwidth:</p> <ul style="list-style-type: none">• G.711 call uses 80 kbps• G.723 call uses 24 kbps• G.729 call uses 24 kbps• GSM call uses 29 kbps• Wideband call uses 272 kbps <p>Note To improve voice quality, lower the bandwidth setting, so that fewer active calls are allowed on the link to this location. Entering a value of zero allocates infinite bandwidth and allows an unlimited number of calls on the link.</p>

Related Topics

- [Adding a Location, page 10-2](#)
- [Updating a Location, page 10-3](#)
- [Deleting a Location, page 10-3](#)

