



# Cisco CallManager Configuration

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Use Cisco CallManager configuration to specify the ports and other properties for each Cisco CallManager installed in the same cluster. A cluster comprises a set of Cisco CallManagers that share the same database.

Use the following topics to add, update, or delete a Cisco CallManager configuration or to view system component version information:

- [Adding a Cisco CallManager, page 3-1](#)
- [Updating a Cisco CallManager, page 3-3](#)
- [Deleting a Cisco CallManager, page 3-4](#)
- [Cisco CallManager Configuration Settings, page 3-5](#)
- [Viewing Cisco CallManager Component Versions, page 3-8](#)

## Adding a Cisco CallManager

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



**Note**

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Installing the Cisco CallManager automatically configures information in the database. After installing the software, you normally do not have to add a new Cisco CallManager configuration to the database, but you might want to update the configuration information for an existing Cisco CallManager. See the [“Updating a Cisco CallManager” section on page 3-3](#).

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### Before You Begin

Before adding a new Cisco CallManager to the database, perform the following tasks:

- Configure the address of the server where this Cisco CallManager is installed. See the [“Adding a Server” section on page 2-2](#).
- If you want to specify a partition for directory numbers used in auto-registration with this Cisco CallManager, configure that partition. See the [“Adding a Partition” section on page 12-3](#).

### Procedure

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**Step 1** Choose **System > Cisco CallManager**.

**Step 2** Use one of the following methods to add a Cisco CallManager:

- If there is an existing Cisco CallManager with settings that are similar to the one you want to add, choose the existing Cisco CallManager to display its settings, click **Copy**, and modify the settings as needed.
- To add a Cisco CallManager without copying an existing one, continue with [Step 3](#).

**Step 3** Enter the appropriate settings as described in [Table 3-1](#).

**Step 4** Click **Insert** to save the Cisco CallManager configuration in the database.

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### Related Topics

- [Adding a Cisco CallManager Group, page 4-2](#)
- [Updating a Cisco CallManager, page 3-3](#)
- [Deleting a Cisco CallManager, page 3-4](#)
- [Cisco CallManager Configuration Settings, page 3-5](#)
- [Viewing Cisco CallManager Component Versions, page 3-8](#)

# Updating a Cisco CallManager

This section describes how to update a Cisco CallManager configuration.

## Procedure

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- Step 1** Choose **System > Cisco CallManager**.
- Step 2** From the Cisco CallManagers list, choose the Cisco CallManager you want to update.
- Step 3** Update the appropriate settings as described in [Table 3-1](#).  
Before saving the changes, you can click **Cancel Changes** to reset all fields to their original value.
- Step 4** Click **Update** to save the changes in the database.  
Changes to the settings for auto-registration partition, external phone number mask, and voice message box mask do not take effect until you restart Cisco CallManager. See the “[Starting and Stopping Services](#)” section on [page 32-1](#).



### Caution

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The **Restart Devices** button restarts all devices registered with this Cisco CallManager and can temporarily interrupt call processing for those devices. Use this button only if you have made configuration changes to most of the devices on this Cisco CallManager and you want to restart all of them at once. For configuration changes to smaller groupings of devices, restart only the affected devices. If possible, avoid restarting devices during peak hours.

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## Related Topics

- [Adding a Cisco CallManager, page 3-1](#)
- [Deleting a Cisco CallManager, page 3-4](#)
- [Cisco CallManager Configuration Settings, page 3-5](#)
- [Viewing Cisco CallManager Component Versions, page 3-8](#)

# Deleting a Cisco CallManager

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

## Before You Begin

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

- Update the Cisco CallManager group so that it no longer contains the Cisco CallManager you want to delete. See the [“Updating a Cisco CallManager Group”](#) section on page 4-3.
- Delete the Cisco CallManager group that contains the Cisco CallManager you want to delete. See the [“Deleting a Cisco CallManager Group”](#) section on page 4-5.



### Note

If you delete a Cisco CallManager configuration from the database, the Cisco CallManager service continues to run in background on the server. To deactivate the service, use the Cisco Service Configuration utility. Refer to the [“Service Installation and Configuration”](#) section in the *Cisco CallManager System Guide* for more information.

## Procedure

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- Step 1** Choose **System > Cisco CallManager**.
  - Step 2** From the Cisco CallManagers list, choose the Cisco CallManager 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, page 3-1](#)
- [Updating a Cisco CallManager, page 3-3](#)
- [Cisco CallManager Configuration Settings, page 3-5](#)
- [Viewing Cisco CallManager Component Versions, page 3-8](#)

# Cisco CallManager Configuration Settings

Table 3-1 describes the Cisco CallManager configuration settings.

**Table 3-1** *Cisco CallManager Configuration Settings*

Field	Description
Cisco CallManager Server	<p>Enter the IP address or DNS name of the server where this Cisco CallManager is installed.</p> <p><b>Note</b> Assign each Cisco CallManager server address only once (that is, there can be only one Cisco CallManager per server). After you assign a server address to a particular Cisco CallManager, that address disappears from the list.</p>
Cisco CallManager Name	Enter the name you want to assign to this Cisco CallManager.
Description	Enter a description of the Cisco CallManager.
Starting Directory Number	Enter the first directory number to use for auto-registration of devices.
Ending Directory Number	<p>Enter the last directory number to use for auto-registration of devices.</p> <p>Specifying a valid range of directory numbers in the Starting Directory Number and Ending Directory Number fields automatically enables auto-registration.</p> <p>Setting the starting and ending directory numbers to the same value disables auto-registration.</p>

**Table 3-1 Cisco CallManager Configuration Settings (continued)**

Field	Description
Partition	<p>Choose the partition to which auto-registered directory numbers belong.</p> <p>If you are not using partitions, choose None.</p> <p>You must choose a range for auto-registration before you can choose a partition, external phone number mask, or voice message box mask.</p>
External Phone Number Mask	<p>Specify the mask used to format caller ID information for external (outbound) calls made from the auto-registered devices. The mask can contain up to 50 characters. Enter the literal digits that you want to appear in the caller ID information, and use Xs to represent the directory number of the auto-registered device.</p> <p>For example, if you specify a mask of 972813XXXX, an external call from extension 1234 displays a caller ID number of 9728131234 if the Use External Phone Number Mask option is checked on the route pattern used to make the external call.</p> <p>If you specify a mask of all literal digits, such as 9728135000 to represent a main attendant number, then that literal number (9728135000) displays as the caller ID for an external call from any auto-registered device.</p>
Voice Message Box Mask	<p>Specify the mask used to format the Voice Message Box number for auto-registered phones. When forwarding a call to voice mail from a directory line on an auto-registered phone, Cisco CallManager applies this mask to the number configured in the Voice Message Box field for that directory line.</p> <p>For example, if you enter 3XXXX in the Voice Message Box Mask field and you enter 4567 in the Voice Message Box field of a directory line on an auto-registered phone, Cisco CallManager identifies the voice message box for this directory line as 34567.</p>

**Table 3-1 Cisco CallManager Configuration Settings (continued)**

Field	Description
Auto-registration Disabled on this Cisco CallManager	<p>Cisco CallManager disables the auto-registration by default to prevent unauthorized connections to the network:</p> <ul style="list-style-type: none"> <li>• Uncheck the Auto-registration Disabled check box to enable auto-registration for this Cisco CallManager.</li> <li>• Check the Auto-registration Disabled check box to disable auto-registration for this Cisco CallManager.</li> </ul> <p>When auto-registration is disabled, you must configure the directory numbers manually whenever you add new devices to your network.</p> <p>Setting the Starting Directory Number and Ending Directory Number to the same value also disables auto-registration.</p> <p>If starting and ending directory numbers are currently specified when you disable auto-registration by checking this option, Cisco CallManager sets the starting and ending directory numbers to the same value.</p> <p>Cisco CallManager resets the partition, and external phone mask information fields are reset when Auto-registration is disabled.</p>
Ethernet Phone Port	<p>Cisco CallManager uses this TCP port to communicate with the Cisco IP phones on the network. Accept the default port of 2000 unless this port is already in use on your system. Ensure all port entries are unique. Valid port numbers range from 1024 to 49151.</p>
Digital Port	<p>Cisco CallManager uses this TCP port to communicate with Cisco Access Digital Trunk Gateways (such as the DT-24+ or DE-30+) on the network. Accept the default port of 2001 unless this port is already in use on your system. Ensure all port entries are unique. Valid port numbers range from 1024 to 49151.</p>

**Table 3-1 Cisco CallManager Configuration Settings (continued)**

Field	Description
Analog Port	Cisco CallManager uses this TCP port to communicate with Cisco Access Analog Gateways (such as the WS-6624 FXS) on the network. Accept the default port of 2002 unless this port is already in use on your system. Ensure all port entries are unique. Valid port numbers range from 1024 to 49151.
MGCP Listen Port	Cisco CallManager uses this TCP port to detect messages from its associated MGCP gateway. Accept the default port of 2427 unless this port is already in use on your system. Ensure all port entries are unique. Valid port numbers range from 1024 to 49151.
MGCP Keep-alive Port	Cisco CallManager uses this TCP port to exchange keep-alive messages with its associated MGCP gateway. Accept the default port of 2428 unless this port is already in use on your system. Ensure all port entries are unique. Valid port numbers range from 1024 to 49151.

**Related Topics**

- [Adding a Cisco CallManager, page 3-1](#)
- [Updating a Cisco CallManager, page 3-3](#)
- [Deleting a Cisco CallManager, page 3-4](#)
- [Viewing Cisco CallManager Component Versions, page 3-8](#)

## Viewing Cisco CallManager Component Versions

The Cisco CallManager Component Versions page in Cisco CallManager Administration displays view-only software component version information for any Cisco CallManager server, lists servers in the cluster with out-of-sync software components, and displays latest installed component version information across all Cisco CallManager servers in the cluster.

Use the following procedure to display version information for system software components.

## Procedure

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**Step 1** Choose **Help > Component Versions**.

**Step 2** Choose a server from the Servers list to display component version information for that server.

The information displayed includes the name of the component, the version number of the component, and the installation ID of the program that installed the component. The list will vary, depending on which components are currently installed on that server.

**Step 3** Click **Out of Sync** to locate any system components installed on Cisco CallManager servers in the cluster that do not match the latest installed component version in the cluster.

**Step 4** Click **Latest Installed Version** to list the most recent (highest numbered) installed version of each system component across all servers in the cluster.

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## Related Topics

- [Adding a Cisco CallManager, page 3-1](#)
- [Updating a Cisco CallManager, page 3-3](#)
- [Deleting a Cisco CallManager, page 3-4](#)
- [Cisco CallManager Configuration Settings, page 3-5](#)
- [Cisco CallManager Group Configuration, page 4-1](#)
- [Device Pool Configuration, page 8-1](#)
- [Device Defaults Configuration, page 6-1](#)

■ Viewing Cisco CallManager Component Versions