



Cisco CallManager Configuration

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

For the first node in a Cisco CallManager cluster, the server gets automatically added as part of the installation. To add additional Cisco CallManagers to a cluster, the administrator must configure a server (by using Server Configuration) and then add the Cisco CallManager (by using Cisco CallManager Configuration). This procedure is repeated for each Cisco CallManager that is in the cluster.

Use the following topics to find and update a Cisco CallManager configuration or to view system component version information:

- [Finding a Cisco CallManager, page 3-1](#)
- [Updating a Cisco CallManager, page 3-2](#)
- [Cisco CallManager Configuration Settings, page 3-3](#)
- [Cisco CallManager Service Activation/Deactivation, page 3-5](#)
- [Related Topics, page 3-6](#)

Finding a Cisco CallManager

Because you may have several Cisco CallManagers in your network, Cisco CallManager Administration lets you locate specific Cisco CallManagers on the basis of specific criteria. Use the following procedure to locate Cisco CallManagers.



Note

During your work in a browser session, your find/list search preferences are stored in the cookies on the client machine. If you navigate to other menu items and return to this menu item, or if you close the browser and then reopen a new browser window, the system retains your Cisco CallManager search preferences until you modify your search.

Procedure

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

The Find and List Cisco CallManagers window displays. Use the two drop-down list boxes to search for a Cisco CallManager.

Step 2 From the first Find Cisco CallManagers window drop-down list box, choose one of the following criteria:

- Name
- Description

From the second Find Cisco CallManagers window drop-down list box, choose one of the following criteria:

- begins with
- contains
- is exactly
- ends with
- is empty
- is not empty

Step 3 Specify the appropriate search text, if applicable, and click **Find**.



Tip To find all Cisco CallManagers that are registered in the database, click **Find** without entering any search text.

A list of discovered Cisco CallManagers displays by

- Cisco CallManager name
- Description

From the Find and List Cisco CallManagers window, you can also specify how many rows per page to display.

Step 4 From the list of records, click the Cisco CallManager name that matches your search criteria. The window displays the Cisco CallManager that you chose.

Additional Information

See the [“Related Topics” section on page 3-6](#).

Updating a Cisco CallManager

This section describes how to update a Cisco CallManager.

Procedure

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

The Find and List Cisco CallManagers window displays.

Step 2 To update a Cisco CallManager, locate the appropriate Cisco CallManager as described in [Finding a Cisco CallManager, page 3-1](#). Click the Cisco CallManager that you want to update and continue with [Step 3](#).

- Step 3** Enter the appropriate settings as described in [Table 3-1](#).
- Step 4** Click **Save**.

Additional Information

See the “[Related Topics](#)” section on page 3-6.

Cisco CallManager Configuration Settings

[Table 3-1](#) describes the Cisco CallManager configuration settings. For related procedures, see the “[Related Topics](#)” section on page 3-6.

Table 3-1 Cisco CallManager Configuration Settings

Field	Description
Server Information	
Cisco CallManager Server	This read-only field displays the server where this Cisco CallManager is installed.
Cisco CallManager Name	Enter the name that you want to assign to this Cisco CallManager.
Description	Enter a description of the Cisco CallManager.
Auto-registration Information	
Starting Directory Number	Enter the first directory number to use for autoregistration of devices.
Ending Directory Number	Enter the last directory number to use for autoregistration of devices. Note Specifying a valid range of directory numbers in the Starting Directory Number and Ending Directory Number fields automatically enables autoregistration. Setting the starting and ending directory numbers to the same value disables autoregistration.
Partition	If you are not using partitions, choose <None>. If you are using partitions, choose the partition to which autoregistered directory numbers belong from the drop-down list box. Tip You must choose a range for autoregistration before you can choose a partition, external phone number mask or voice messaging box mask. If more than 250 partitions exist, the ellipsis (...) button displays next to the drop-down list box. - To display the Select Partition window, click the (...) button. - In the List items where Name contains field, enter a partial partition name. - In the list of partitions that displays in the Select item to use box, click the desired partition name. - Click OK.

Table 3-1 Cisco CallManager Configuration Settings (continued)

Field	Description
External Phone Number Mask	Specify the mask that is used to format caller ID information for external (outbound) calls that are made from the autoregistered 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 autoregistered device. See the following examples: - 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 that is used to make the external call. - If you specify a mask of all literal digits, such as 9728135000 to represent a main attendant number, that literal number (9728135000) displays as the caller ID for an external call from any autoregistered device.
Auto-registration Disabled on this Cisco CallManager	Cisco CallManager disables the autoregistration by default to prevent unauthorized connections to the network. You can choose to enable or disable autoregistration by one of the following options: - To enable autoregistration for this Cisco CallManager, uncheck the Auto-registration Disabled check box. - To disable autoregistration for this Cisco CallManager, check the Auto-registration Disabled check box. - When autoregistration is disabled, you must configure the directory numbers manually whenever you add new devices to your network. - Setting the Starting Directory Number and Ending Directory Number to the same value also disables autoregistration. - If starting and ending directory numbers are currently specified when you disable autoregistration by checking this option, Cisco CallManager sets the starting and ending directory numbers to the same value. Cisco CallManager resets the partition and external phone mask information when autoregistration is disabled.

Table 3-1 Cisco CallManager Configuration Settings (continued)

Field	Description
Cisco CallManager TCP Port Settings for This Server	
Ethernet Phone Port	Cisco CallManager uses this TCP port to communicate with the Cisco IP Phones (SCCP only) on the network. - Accept the default port value of 2000 unless this port is already in use on your system. Choosing 2000 identifies this port as non-secure. - Ensure all port entries are unique. - Valid port numbers range from 1024 to 49151. - Refer to the <i>Cisco CallManager Security Guide</i> for information about security configurations.
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 keepalive 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.
SIP Phone Port	This field specifies the port number that Cisco CallManager uses to listen for SIP line registrations over TCP and UDP.
SIP Phone Secure Port	This field specifies the port number that Cisco CallManager uses to listen for SIP line registrations over TLS. Refer to the <i>Cisco CallManager Security Guide</i> for information about security configurations.

Cisco CallManager Service Activation/Deactivation

The following requirements apply to Cisco CallManager service activation and deactivation:

- [Cisco CallManager Service Activation, page 3-6](#)
- [Cisco CallManager Service Deactivation, page 3-6](#)

Additional Information

See the “[Related Topics](#)” section on page 3-6.

Cisco CallManager Service Activation

When you perform a new Cisco CallManager installation, you must follow these steps in sequence:

1. Add the Server. Cisco CallManagers automatically get added when a server gets configured.
2. Activate the Cisco CallManager service, as described in the *Cisco CallManager Serviceability Administration Guide*.

A message displays if you do not follow this sequence.

Additional Information

See the “[Related Topics](#)” section on page 3-6.

Cisco CallManager Service Deactivation

You can deactivate the Cisco CallManager service in Cisco CallManager Serviceability. When you deactivate the Cisco CallManager service, the Cisco CallManager where you deactivated the service becomes inactive for use.



Note

From Cisco CallManager Serviceability, you can view the status of the Cisco CallManager by accessing **Tools > Service Activation**.

When the Cisco CallManager service is deactivated, no one can make calls on that Cisco CallManager.

You may still be able to perform configuration operations on a deactivated Cisco CallManager if the Cisco CallManager Administration web service is active and the database is up and running.

When you reactivate the Cisco CallManager service on the Cisco CallManager, the database automatically re-creates the Cisco CallManager by retaining the original configuration (server name or IP address). This Cisco CallManager then becomes active; you can verify that the Cisco CallManager service is running by accessing **Tools > Control Center - Feature Services** in Cisco CallManager Serviceability.

For more information about Service Activation, refer to the *Cisco CallManager Serviceability System Guide* and the *Cisco CallManager Serviceability Administration Guide*.

Additional Information

See the “[Related Topics](#)” section on page 3-6.

Related Topics

- [Finding a Cisco CallManager, page 3-1](#)
- [Updating a Cisco CallManager, page 3-2](#)
- [Cisco CallManager Configuration Settings, page 3-3](#)
- [Cisco CallManager Service Activation/Deactivation, page 3-5](#)
- [Server Configuration, page 2-1](#)
- *Cisco CallManager Security Guide*