



Configuring Cisco CallManager

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

Use the following procedures to add, update, or delete a Cisco CallManager configuration:

- Adding a Cisco CallManager, page 12-1
- Updating a Cisco CallManager, page 12-5
- Deleting a Cisco CallManager, page 12-6

Adding a Cisco CallManager

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



Note


Information about Cisco CallManager is configured automatically in the database when you install the Cisco CallManager software. 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 12-5.

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 11-2.
- If you want to specify a partition for directory numbers used in auto-registration with this Cisco CallManager, configure that partition. See “Adding a Partition”.

Procedure

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- Step 1** Open Cisco CallManager Administration.
- Step 2** Select **System > Cisco CallManager**.
- Step 3** There are two ways to add a Cisco CallManager:
- If there is an existing Cisco CallManager with settings that are similar to the one you want to add, select the existing Cisco CallManager to display its settings, click **Copy**, then continue with the Step 4 and modify the settings as needed.
 - To add a Cisco CallManager without copying an existing one, continue with Step 4.
- Step 4** From the Cisco CallManager Server drop-down list box, select the IP address or DNS name of the server where this Cisco CallManager is installed.
-  **Note** Each Cisco CallManager server address can be assigned 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.
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- Step 5** In the Cisco CallManager Name field, enter the name you want to assign to this Cisco CallManager.
- Step 6** In the Description field, enter a brief text description for this Cisco CallManager.

- Step 7** Enter the following auto-registration information. Refer to the “Understanding Auto-Registration” section on page 4-1 for more information.

Field Name	Description
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>If you specify a valid range of directory numbers in the Starting Directory Number and Ending Directory Number fields, auto-registration is automatically enabled.</p> <p>If you set the starting and ending directory numbers to the same value, auto-registration is disabled.</p>
Partition	<p>Select the partition to which auto-registered directory numbers belong.</p> <p>If you are not using partitions, select None.</p> <p>You must select a range for auto-registration before you can select a partition and external phone number 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) is the caller ID displayed for an external call from any auto-registered device.</p>

Field Name	Description
Auto-registration Disabled on this Cisco CallManager	<p>Auto-registration is disabled by default to prevent unauthorized connections to the network.</p> <ul style="list-style-type: none"> • Uncheck the Auto-registration Disabled option to enable auto-registration for this Cisco CallManager. • Check the Auto-registration Disabled option to disable auto-registration for this Cisco CallManager. <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>The partition and external phone mask information fields are reset when Auto-registration is disabled.</p>

Step 8 Enter the following port numbers.

Field Name	Description
Ethernet Phone Port	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. All port entries must be unique. The range of valid port numbers is 1024 to 49151.
Digital Port	Cisco CallManager uses this TCP port to communicate with Cisco Access Digital 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. All port entries must be unique. The range of valid port numbers is 1024 to 49151.

Field Name	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. All port entries must be unique. The range of valid port numbers is 1024 to 49151.
MGCP Listen Port	Cisco CallManager uses this TCP port to listen for messages from its associated MGCP gateway. Accept the default port of 2427 unless this port is already in use on your system. All port entries must be unique. The range of valid port numbers is 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. All port entries must be unique. The range of valid port numbers is 1024 to 49151.

Step 9 Click **Insert** to save the Cisco CallManager configuration in the database.

Related Topics

- Understanding Auto-Registration, page 4-1
- Adding a Cisco CallManager Group, page 13-2

Updating a Cisco CallManager

This section describes how to update a Cisco CallManager configuration.

Procedure

- Step 1** Open Cisco CallManager Administration.
- Step 2** Select **System > Cisco CallManager**.

- Step 3** From the Cisco CallManager list, select the Cisco CallManager you want to update.
- Step 4** Make the desired changes in the fields you want to update. Refer to the “Adding a Cisco CallManager” section on page 12-1 for information about configuration settings.
- Before saving the changes, you can click **Cancel** to reset all fields to their original value.
- Step 5** Click **Update** to save the changes in the database.
- Changes to the settings for auto-registration partition, external phone number mask, and TCP ports do not take effect until you restart Cisco CallManager. See the “Starting and Stopping Cisco CallManager” section on page 20-1.

**Caution**

The **Reset** button resets Cisco CallManager and can temporarily interrupt call processing. For other methods of resetting Cisco CallManager, see the “Starting and Stopping Cisco CallManager” section on page 20-1.

Related Topics

- Adding a Cisco CallManager, page 12-1
- Deleting a Cisco CallManager, page 12-6

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 from the database if 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 13-4.
- Delete the Cisco CallManager group that contains the Cisco CallManager you want to delete. See the “Deleting a Cisco CallManager” section on page 12-6.

Procedure

- Step 1** Open Cisco CallManager Administration.
- Step 2** Select **System > Cisco CallManager**.
- Step 3** From the Cisco CallManager list, select the Cisco CallManager you want to delete.
- Step 4** Click **Delete**.
- Step 5** 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 12-1

■ Deleting a Cisco CallManager