



# Cisco CallManager

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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 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 9-1
- Updating a Cisco CallManager, page 9-5
- Deleting a Cisco CallManager, page 9-6

## Adding a Cisco CallManager

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



**Note**

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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 9-5.

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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 8-2.
- 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** If there is an existing Cisco CallManager with settings that are similar to the new one you want to configure, select the existing Cisco CallManager to display its settings. If you want to use a copy of the existing Cisco CallManager to configure the new one, click **Copy**.
- 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. After you assign a server address to a particular Cisco CallManager, that address disappears from the list.
- Step 5** In the Cisco CallManager Name box, type the name you want to assign to this Cisco CallManager.
- Step 6** In the Description box, type a brief text description for this Cisco CallManager.

**Step 7** 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 digital gateways 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.
Analog Port	Cisco CallManager uses this TCP port to communicate with analog gateways 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 8** Enter the following auto-registration information:

Field Name	Description
Starting Directory Number	Enter the first directory number to use for auto-registration of devices. If you set the starting and ending directory numbers to the same value, auto-registration is disabled.

Field Name	Description
Ending Directory Number	Enter the last directory number to use for auto-registration of devices. If you set the starting and ending directory numbers to the same value, auto-registration is disabled.
Partition	Select the partition to which auto-registered directory numbers belong. If you are not using partitions, select None.
External Phone Number Mask	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 30 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. For example, if you specify a mask of 972813XXXX, an external call from extension 1234 displays a caller ID number of 9728131234. 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.
Auto-registration Disabled on this Cisco CallManager	<p>Auto-registration is disabled by default to prevent unauthorized connections to the network. If you enter starting and ending directory numbers for auto-registration, this check mark is automatically turned off and auto-registration is enabled.</p> <p>Click the check mark and turn it on if you do not want devices to auto-register with this Cisco CallManager.</p> <p>If auto-registration is disabled, you have to configure the directory numbers manually whenever you add new devices to your network.</p>

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

**Additional Information**

For more information on auto-registration, see:

- Auto-Registration, page 3-1

**Related Procedures**

After adding a Cisco CallManager to the database, you can use it to configure Cisco CallManager groups, as described in:

- Adding a Cisco CallManager Group, page 10-2

## Updating a Cisco CallManager

This section describes how to update a Cisco CallManager configuration.

**Procedure**

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- 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. Before saving the changes, you can click **Cancel** to reset all fields to their original value.

**Caution**

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The **Reset** button resets Cisco CallManager and can temporarily interrupt call processing. In general, you must reset Cisco CallManager after making changes to the database. For other methods of resetting Cisco CallManager, see the “Starting and Stopping Cisco CallManager” section on page 17-1.

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- Step 5** Click **Update** to save the changes in the database.
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**Related Procedures**

Changes to the settings for auto-registration partition, external phone number mask, and TCP ports do not take effect until you restart Cisco CallManager as described in:

- Starting and Stopping Cisco CallManager, page 17-1

## 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 has been assigned to a Cisco CallManager group. 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 10-3.
- Delete the Cisco CallManager group that contains the Cisco CallManager you want to delete. See the “Deleting a Cisco CallManager” section on page 9-6.

**Procedure**

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- 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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