



CHAPTER 3

Cisco Unified Communications Manager Configuration

Use Cisco Unified Communications Manager configuration to specify the ports and other properties for the Cisco Unified Communications Manager.

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

- [Finding a Cisco Unified Communications Manager, page 3-1](#)
- [Updating a Cisco Unified Communications Manager, page 3-2](#)
- [Cisco Unified Communications Manager Configuration Settings, page 3-3](#)
- [Cisco Communications Manager Service Activation/Deactivation, page 3-6](#)
- [Related Topics, page 3-7](#)

Finding a Cisco Unified Communications Manager

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



Note

In Cisco Unified Communications Manager Business Edition systems, there is only one Cisco Unified Communications Manager.



Note

During your work in a browser session, the cookies on the client machine store your find/list search preferences. 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 Unified Communications Manager search preferences until you modify your search.

Procedure

Step 1 Choose **System > Cisco Unified CM**.

The Find and List Cisco Unified CMs window displays. Records from an active (prior) query may also display in the window.

Step 2 To find all records in the database, ensure the dialog box is empty; go to [Step 3](#).

To filter or search records

- From the first drop-down list box, select a search parameter.
- From the second drop-down list box, select a search pattern.
- Specify the appropriate search text, if applicable.



Note To add additional search criteria, click the + button. When you add criteria, the system searches for a record that matches all criteria that you specify. To remove criteria, click the – button to remove the last added criterion or click the **Clear Filter** button to remove all added search criteria.

Step 3 Click **Find**.

All matching records display. You can change the number of items that display on each page by choosing a different value from the Rows per Page drop-down list box.



Note You can delete multiple records from the database by checking the check boxes next to the appropriate record and clicking **Delete Selected**. You can delete all configurable records for this selection by clicking **Select All** and then clicking **Delete Selected**.

Step 4 From the list of records that display, click the link for the record that you want to view.



Note To reverse the sort order, click the up or down arrow, if available, in the list header.

The window displays the item that you choose.

Additional Information

See the [“Related Topics”](#) section on page 3-7.

Updating a Cisco Unified Communications Manager

This section describes how to update a Cisco Unified Communications Manager.

Procedure

Step 1 Choose **System > Cisco Unified CM**.

The Find and List Cisco Unified CMs window displays.

- Step 2** To update a Cisco Unified Communications Manager, locate the appropriate Cisco Unified Communications Manager as described in [Finding a Cisco Unified Communications Manager, page 3-1](#). Click the Cisco Unified Communications Manager 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 3-7](#).

Cisco Unified Communications Manager Configuration Settings

[Table 3-1](#) describes the Cisco Unified Communications Manager configuration settings. For related procedures, see the [“Related Topics” section on page 3-7](#).

Table 3-1 Cisco Unified Communications Manager Configuration Settings

Field	Description
Server Information	
CTI ID	This read-only field displays the computer telephony integration (CTI) identification.
Cisco Unified Communications Manager Server	This read-only field displays the server where this Cisco Unified Communications Manager is installed.
Cisco Unified Communications Manager Name	Enter the name that you want to assign to this Cisco Unified Communications Manager.
Description	Enter a description of the Cisco Unified Communications Manager.
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.

Table 3-1 Cisco Unified Communications Manager Configuration Settings (continued)

Field	Description
Partition	<p>If you are not using partitions, choose <None>.</p> <p>If you are using partitions, choose the partition to which autoregistered directory numbers belong from the drop-down list box.</p> <p>Tip You must choose a range for autoregistration before you can choose a partition, external phone number mask or voice messaging box mask.</p> <p>If more than 250 partitions exist, the ellipsis (...) button displays next to the drop-down list box.</p> <ol style="list-style-type: none"> 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.
External Phone Number Mask	<p>Specify the mask that is used to format caller ID information for external (outbound) calls that are made from the autoregistered devices.</p> <ul style="list-style-type: none"> 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. <p>See the following examples:</p> <ul style="list-style-type: none"> 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.

Table 3-1 Cisco Unified Communications Manager Configuration Settings (continued)

Field	Description
Auto-registration Disabled on this Cisco Unified Communications Manager	<p>Cisco Unified Communications Manager 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:</p> <ul style="list-style-type: none"> • To enable autoregistration for this Cisco Unified Communications Manager, uncheck the Auto-registration Disabled check box. • To disable autoregistration for this Cisco Unified Communications Manager, check the Auto-registration Disabled check box. <ul style="list-style-type: none"> • 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 Unified Communications Manager sets the starting and ending directory numbers to the same value. <p>Cisco Unified Communications Manager resets the partition and external phone mask information when autoregistration is disabled.</p>
Cisco Unified Communications Manager TCP Port Settings for This Server	
Ethernet Phone Port	<p>Cisco Unified Communications Manager uses this TCP port to communicate with the Cisco Unified IP Phones (SCCP only) on the network.</p> <ul style="list-style-type: none"> • 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 Unified Communications Manager Security Guide</i> for information about security configurations.
MGCP Listen Port	<p>Cisco Unified Communications Manager uses this TCP port to detect messages from its associated MGCP gateway.</p> <ul style="list-style-type: none"> • 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.

Table 3-1 Cisco Unified Communications Manager Configuration Settings (continued)

Field	Description
MGCP Keep-alive Port	<p>Cisco Unified Communications Manager uses this TCP port to exchange keepalive messages with its associated MGCP gateway.</p> <ul style="list-style-type: none"> 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 Unified Communications Manager uses to listen for SIP line registrations over TCP and UDP.
SIP Phone Secure Port	<p>This field specifies the port number that Cisco Unified Communications Manager uses to listen for SIP line registrations over TLS.</p> <p>Refer to the <i>Cisco Unified Communications Manager Security Guide</i> for information about security configurations.</p>

Cisco Communications Manager Service Activation/Deactivation

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

- [Cisco Communications Manager Service Activation, page 3-6](#)
- [Cisco Communications Manager Service Deactivation, page 3-7](#)

Additional Information

See the “[Related Topics](#)” section on page 3-7.

Cisco Communications Manager Service Activation

When you perform a new Cisco Unified Communications Manager installation, you must follow these steps in sequence:

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

A message displays if you do not follow this sequence.

Additional Information

See the “[Related Topics](#)” section on page 3-7.

Cisco Communications Manager Service Deactivation

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

**Note**

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

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

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

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

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

Additional Information

See the “[Related Topics](#)” section on page 3-7.

Related Topics

- [Finding a Cisco Unified Communications Manager, page 3-1](#)
- [Updating a Cisco Unified Communications Manager, page 3-2](#)
- [Cisco Unified Communications Manager Configuration Settings, page 3-3](#)
- [Cisco Communications Manager Service Activation/Deactivation, page 3-6](#)
- [Server Configuration, page 2-1](#)
- *Cisco Unified Serviceability Administration Guide*

