Cisco Unified Communications Manager Setup

This chapter provides information to find and update a Cisco Unified Communications Manager configuration or to view system component version information.

See also *Cisco Unified Serviceability Administration Guide*.

About Cisco Unified Communications Manager Setup

In Cisco Unified Communications Manager Administration, use the **System** > **Cisco Unified CM** menu path to configure Cisco Unified Communications Managers.

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

Cisco Unified Communications Manager Settings

The following table describes the Cisco Unified Communications Manager settings.

Table 1: Cisco Unified Communications Manager 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.

Field	Description
Description	Enter a description of the Cisco Unified Communications Manager.The description can include up to 50 characters in any language, but it cannot include double-quotes ("), percentage sign (%), ampersand (&), back-slash (\), or angle brackets (<>).
Location Bandwidth Manager Group	Select a Location Bandwidth Manager Group from the drop-down list.
Auto-registration Information	
You must configure the Universal Device Template and Universal Line Template before you configure auto-registration settings.	
Universal Device Template	Select the required Universal Device Template from the drop-down list. If no Universal Device Template is created, you can select the Default Universal Device Template.
Universal Line Template	Select the required Universal Line Template from the drop-down list. If no Universal Line Template is created, you can select the Default Universal Line Template.
Starting Directory Number	Enter the first directory number to use for autoregistration of devices. Do not begin the Starting Directory Number with a zero (0).
Ending Directory Number	Enter the last directory number to use for autoregistration of devices. Do not begin the Ending Directory Number with a zero (0). **Note** The Ending Directory Number must be greater than the Starting Directory Number which automatically enables autoregistration. Setting the starting and ending directory numbers to the same value disables autoregistration.

Field	Description

Auto-registration Disabled on this Cisco Unified Communications Manager	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:
	
	• 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.
	
	   • 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.
	
	Cisco Unified Communications Manager resets the UDT and ULT information when autoregistration is disabled.

Cisco Unified Communications Manager TCP Port Settings for this Server	
Ethernet Phone Port	Cisco Unified Communications Manager uses this TCP port to communicate with the Cisco Unified 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. • See the *Cisco Unified Communications Manager Security Guide* for information about security configurations.

Field	Description
MGCP Listen Port	Cisco Unified Communications Manager 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 Unified Communications Manager 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 Unified Communications Manager uses to listen for SIP line registrations over TCP and UDP.
SIP Phone Secure Port	This field specifies the port number that Cisco Unified Communications Manager uses to listen for SIP line registrations over TLS. See the Cisco Unified Communications Manager Security Guide for information about security configurations.
SIP Phone oAuth Port	This field specifies the port number that Cisco Unified Communications Manager uses to listen for SIP line registrations from Jabber On-Premise devices over TLS (Transport Layer Security). The default value is 5090. Range is 1024 to 49151. See the Cisco Unified Communications Manager Security Guide for information about security configurations.
SIP Mobile and Remote Access OAuth Port	This field specifies the port number that Cisco Unified Communications Manager uses to listen for SIP line registrations from Jabber over Expressway through MTLS (Mutual Transport Layer Security). The default value is 5091. Range is 1024 to 49151.

Field	Description
Reset button	Click this button to reset all devices that belong to the same Cisco Unified CM Group as this Cisco Unified Communications Manager server. **Note** All devices in the Cisco Unified CM Group of which this server is a member get reset, not just those devices that are registered with this server.

Synchronize Cisco Unified Communications Manager with Devices

To synchronize a Cisco Unified Communications Manager that has undergone configuration changes with its corresponding registered devices, perform the following procedure, which applies any outstanding configuration settings in the least-intrusive manner possible. (For example, a reset/restart may not be required on some affected devices.)

Procedure

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

The Find and List Cisco Unified CMs window displays.

Step 2   Choose the search criteria to use.

Step 3   Click **Find**.

The window displays a list of Cisco Unified CMs that match the search criteria.

Step 4   Click the Cisco Unified Communications Manager that you want to synchronize with its devices.

Step 5   Make any additional configuration changes.

Step 6   Click **Save**.

Step 7   Click **Apply Config**.

The Apply Configuration Information dialog displays.

Step 8   Click **OK**.

Activate Cisco CallManager Service

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.

Deactivate Cisco CallManager Service

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**.

Note 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, see the *Cisco Unified Serviceability Administration Guide*.