Configure Server Information

System Information Overview

This chapter describes how to configure the properties of the Unified Communications Manager node.

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Note All Unified Communications products such as Unified Communications Manager, Cisco Unity Connections, and Cisco IM and Presence, and so on, have only one interface. Thus, you can assign only one IP address for each of these products.

Server Configuration Task Flow

Procedure

	Command or Action	Purpose
Step 1	Configure Server Information, on page 2	Specify a name for the Unified Communications Manager node, and add a description.
Step 2	Configure Ports , on page 2	Configure the following ports: • Ethernet Phone Port • MGCP Listen Port • MGCP Keep-alive Port • SIP Phone Port • SIP Phone Secure Port

Configure Server Information

Specify a name for the Unified Communications Manager node, and add a description. You can also use this procedure to view the following read-only information:

- The computer telephony integration identification (CTI ID).

- The server where this Unified Communications Manager is installed.

Procedure

Step 1	From Cisco Unified Communications Manager Administration, select **System** > **Cisco Unified CM**. The **Find and List Cisco Unified CMs** window appears.
Step 2	Enter the appropriate search criteria and click **Find**. All matching Cisco Unified Communications Managers are displayed.
Step 3	Select the **Cisco Unified CM** that you want to view. The **Cisco Unified CM Configuration** window appears.
Step 4	In the **Name** field, enter the name that you want to assign to this Cisco Unified Communications Manager.
Step 5	In the **Description** field, enter a description for the node.

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 (<>).

Step 6	Click **Save**.

Configure Ports

Use this procedure to change the port settings used for connections such as SCCP device registration, SIP device registration, and MGCP gateway connections.

Note Normally, you need not change the default port settings. Use this procedure only if you really want to change the defaults.

Procedure

Step 1	From Cisco Unified Communications Manager Administration, select **System** > **Cisco Unified CM**. The **Find and List Cisco Unified CMs** window appears.
Step 2	Enter the appropriate search criteria and click **Find**. All matching Cisco Unified Communications Managers are displayed.
Step 3	Select the **Cisco Unified CM** that you want to view. The **Cisco Unified CM Configuration** window appears.
Step 4	Navigate to the **Cisco Unified Communications Manager TCP Port Settings for this Server** section.
Step 5	Click **Save**.

Step 6   Click **Apply Config**.

Step 7   Click **OK**.

Port Settings

Field	Description
Ethernet Phone Port	The system 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.
MGCP Listen Port	The system 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	The system 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 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 the system uses to listen for SIP line registrations over TLS.

Hostname Configuration

The following table lists the locations where you can configure a host name for the Unified Communications Manager server, the allowed number of characters for the host name, and the recommended first and last characters for the host name. Be aware that, if you do not configure the host name correctly, some components in Unified Communications Manager, such as the operating system, database, installation, and so on, may not work as expected.

Table 1: Host Name Configuration in Cisco Unified Communications Manager

Host Name Location	Allowed Configuration	Allowed Number of Characters	Recommended First Character for Host Name	Recommended Last Character for Host Name
Host Name/ IP Address field **System** > **Server** in Cisco Unified Communications Manager Administration	You can add or change the host name for a server in the cluster.	2-63	alphabetic	alphanumeric
Hostname field Cisco Unified Communications Manager installation wizard	You can add the host name for a server in the cluster.	1-63	alphabetic	alphanumeric
Hostname field **Settings** > **IP** > **Ethernet** in Cisco Unified Communications Operating System	You can change, not add, the host name for a server in the cluster.	1-63	alphabetic	alphanumeric
set network hostname hostname Command Line Interface	You can change, not add, the host name for a server in the cluster.	1-63	alphabetic	alphanumeric

Tip The host name must follow the rules for ARPANET host names. Between the first and last character of the host name, you can enter alphanumeric characters and hyphens.

Before you configure the host name in any location, review the following information:

- The Host Name/IP Address field in the Server Configuration window, which supports device-to-server, application-to-server, and server-to-server communication, allows you to enter an IPv4 address in dotted decimal format or a host name.

  After you install the Unified Communications Manager publisher node, the host name for the publisher automatically displays in this field. Before you install a Unified Communications Manager subscriber node, enter either the IP address or the host name for the subscriber node in this field on the Unified Communications Manager publisher node.

  In this field, configure a host name only if Unified Communications Manager can access the DNS server to resolve host names to IP addresses; make sure that you configure the Cisco Unified Communications Manager name and address information on the DNS server.

Tip In addition to configuring Unified Communications Manager information on the DNS server, you enter DNS information during the Cisco Unified Communications Manager installation.

- During the installation of the Unified Communications Manager publisher node, you enter the host name, which is mandatory, and IP address of the publisher node to configure network information; that is, if you want to use static networking.

During the installation of a Unified Communications Manager subscriber node, you enter the hostname and IP address of the Unified Communications Manager publisher node, so that Unified Communications Manager can verify network connectivity and publisher-subscriber validation. Additionally, you must enter the host name and the IP address for the subscriber node. When the Unified Communications Manager installation prompts you for the host name of the subscriber server, enter the value that displays in the Server Configuration window in Cisco Unified Communications Manager Administration; that is, if you configured a host name for the subscriber server in the Host Name/IP Address field.