



CHAPTER 77

Common Device Configuration

Use the following topics to configure common device configurations:

- [Common Device Configuration Settings, page 77-1](#)
- [Synchronizing a Common Device Configuration With Affected Devices, page 77-7](#)
- [Related Topics, page 77-8](#)

Common Device Configuration Settings

In Cisco Unified Communications Manager Administration, use the **Device > Device Settings > Common Device Configuration** menu path to configure common device configurations.

A common device configuration comprises user-specific service and feature attributes. Ensure that each device is associated with a common device configuration for user-oriented information.



Note

The Device Pool window now contains only location-related information. The Common Device Configuration window records all the user-oriented information.

Tips About Deleting Common Device Configurations

You cannot delete a common device configuration that a device uses. To find out which devices are using the common device configuration, click the Dependency Records link from the Common Device Configuration window. If the dependency records are not enabled for the system, the dependency records summary window displays a message. For more information about dependency records, see the [“Accessing Dependency Records” section on page A-2](#). If you try to delete a common device configuration that is in use, Cisco Unified Communications Manager displays a message. Before deleting a common device configuration that is currently in use, you must perform either or both of the following tasks:

- Assign a different common device configuration to any devices that are using the common device configuration that you want to delete.
- Delete the devices that are using the common device configuration that you want to delete.

Using the GUI

For instructions on how to use the Cisco Unified Communications Manager Administration Graphical User Interface (GUI) to find, delete, configure, or copy records, see the [“Navigating the Cisco Unified Communications Manager Administration Application” section on page 1-13](#) and its subsections, which explain how to use the GUI and detail the functions of the buttons and icons.

Configuration Settings Table

Table 77-1 describes the common device configuration settings. For more information about related procedures, see the “[Related Topics](#)” section on page 77-8.

Table 77-1 Common Device Configuration Settings

Field	Description
Common Device Configuration Information	
Name	Enter a name to identify the common device configuration.
Softkey Template	From the drop-down list box, choose the softkey template for the common device configuration.
User Hold MOH Audio Source	Choose the audio source to use for MOH when a user initiates a hold action.
Network Hold MOH Audio Source	Choose the audio source to use for music on hold (MOH) when the network initiates a hold action.
User Locale	From the drop-down list box, choose the locale for the common device configuration. The user locale identifies a set of detailed information to support users, including language and font. Note If the user does not choose a user locale, the locale that is specified in the Cisco Unified Communications Manager clusterwide parameters as Default User Locale applies.

Table 77-1 Common Device Configuration Settings (continued)

Field	Description
IP Addressing Mode	<p>Choose the version of IP address that the device (SIP trunk or phone that runs SCCP) uses to connect to Cisco Unified Communications Manager. From the drop-down list box, choose one of the following options:</p> <ul style="list-style-type: none"> IPv4 Only—For both media and signaling events, the device uses an IPv4 address to connect to Cisco Unified Communications Manager. If an IPv4 address is not available for the device, the call fails. If you choose this option, the phone releases an IPv6 address. If you choose this option, the SIP trunk uses an IPv4 address to connect to the peer device. IPv6 Only—For both media and signaling events, the device uses an IPv6 address to connect to Cisco Unified Communications Manager. If an IPv6 address is not available for the device, the call fails. If you choose this option, the phone releases an IPv4 address. If you choose this option, the SIP trunk uses an IPv6 address to connect to the peer device. Phones that run SIP do not support IPv6, so do not choose this option for these phones. If you configure IPv6 Only as the IP Addressing Mode for phones that run SIP, the Cisco TFTP service overrides the IP Addressing Mode configuration and uses IPv4 Only in the configuration file. IPv4 and IPv6 (Default)—Choose this option for dual-stack devices, which can have both an IPv4 and IPv6 address. For both media and signaling events, the dual-stack device uses either an IPv4 or an IPv6 address to connect to Cisco Unified Communications Manager. If only an IPv4 or IPv6 is available for a device (not both types of IP addresses), the device uses the available IP address to negotiate the call. If the device has both IP address types for both signaling and media events, Cisco Unified Communications Manager uses the configuration for IP Addressing Mode Preference for Signaling setting for signaling events and the IP Addressing Mode Preference for Media enterprise parameter for media events.
IP Addressing Mode Preference for Signaling	<p>For dual-stack phones, which support both IPv4 and IPv6 addresses, choose the version of IP address that the phone prefers to establish a connection to Cisco Unified Communications Manager during a signaling event. For dual-stack SIP trunks, choose the version of IP address that the SIP trunk uses to connect to the peer device for signaling events.</p> <p>From the drop-down list box, choose one of the following options:</p> <ul style="list-style-type: none"> IPv4—The dual-stack device prefers to establish a connection via an IPv4 address during a signaling event. IPv6—The dual-stack device prefers to establish a connection via an IPv6 address during a signaling event. Use System Default—The configuration for the enterprise parameter, IP Addressing Mode Preference for Signaling, applies.

Table 77-1 Common Device Configuration Settings (continued)

Field	Description
Allow Auto-Configuration for Phones	<p>This drop-down list box supports IPv6 for dual-stack Cisco Unified IP Phones that run SCCP. From the drop-down list box, choose one of the following options:</p> <ul style="list-style-type: none"> • On—Depending on how the M bit is set via stateless address autoconfiguration on the router, the phone is allowed to use the IPv6 Network ID that is advertised in the Router Advertisements (RAs) to autoconfigure its IPv6 address. <p>Phones also require a TFTP server address to register with Cisco Unified Communications Manager. You can manually configure the TFTP server address via the interface on the phone, or you can obtain it from a DHCPv6 server.</p> <p>Tip To indicate to the phone that it needs to use the DHCPv6 server to obtain other information, ensure that the O bit is set via stateless address autoconfiguration on the router.</p> <ul style="list-style-type: none"> • Off—The phone obtains its IPv6 address and TFTP server address from the DHCPv6 server. • Default—To use the configuration for the Allow Auto-Configuration for Phones enterprise parameter, choose this option. <p>Although Cisco Unified Communications Manager does not use this configuration, the TFTP file that the phone obtains includes this information.</p>

Table 77-1 Common Device Configuration Settings (continued)

Field	Description
Use Trusted Relay Point	<p>Check this check box to enable the devices that associate with this common device configuration to use a trusted relay point.</p> <p>A Trusted Relay Point (TRP) device designates an MTP or transcoder device that is labeled as Trusted Relay Point.</p> <p>Cisco Unified Communications Manager inserts a TRP for an endpoint if the Use Trusted Relay Point check box is checked for the endpoint or for the common device configuration with which the endpoint associates. The endpoint device can comprise any device that terminates media, including SIP, H.323, MGCP, and SCCP devices, such as phones that are running SCCP, CTI devices, MoH servers, annunciators, and conference bridges.</p> <p>If the Use Trusted Relay Point setting of a device specifies <i>On</i> or <i>Off</i>, the device setting overrides the Use Trusted Relay Point setting from the common device configuration with which the device associates.</p> <p>Cisco Unified Communications Manager places the TRP closest to the associated endpoint device if more than one resource is needed for the endpoint (for example, a transcoder or RSVPAgent).</p> <p>If both TRP and MTP are required for the endpoint, TRP gets used as the required MTP. See the “TRP Insertion in Cisco Unified Communications Manager” in the <i>Cisco Unified Communications Manager System Guide</i> for details of call behavior.</p> <p>If both TRP and RSVPAgent are needed for the endpoint, Cisco Unified Communications Manager first tries to find an RSVPAgent that can also be used as a TRP.</p> <p>If both TRP and transcoder are needed for the endpoint, Cisco Unified Communications Manager first tries to find a transcoder that is also designated as a TRP.</p> <p>See the “Trusted Relay Point” section and its subtopics in the Media Resource Management chapter of the <i>Cisco Unified Communications Manager System Guide</i> for a complete discussion of network virtualization and trusted relay points.</p>

Table 77-1 Common Device Configuration Settings (continued)

Field	Description
Use Intercompany Media Engine (IME) for Outbound Calls	<p>Use this drop-down list box to disable or enable Cisco IME for devices that associate with this common device configuration.</p> <p>Indicate whether you want to allow the devices to make calls using the Cisco Intercompany Media Engine feature. Choose one of the following options from the drop-down list box:</p> <ul style="list-style-type: none"> • On—Allow devices to make Cisco Intercompany Media Engine calls. • Off—Do not allow devices to make Cisco Intercompany Media Engine calls. • Default—To use the value of the Use IME for Outbound Calls feature configuration parameter (Advanced Features > Intercompany Media Services > Feature Configuration), choose this option. <p>To associate a device with a common device configuration, configure the Common Device Configuration setting for the device, such as a Cisco Unified IP Phone.</p> <p>For more information on Cisco Intercompany Media Engine, see the <i>Cisco Intercompany Media Engine Installation and Configuration Guide</i>.</p>
Multilevel Precedence and Preemption Information	
MLPP Indication	<p>This setting specifies whether devices that are capable of playing precedence tones will use the capability when the devices place an MLPP precedence call.</p> <p>From the drop-down list box, choose a setting to assign to the devices from the following options:</p> <ul style="list-style-type: none"> • Default—Devices inherit MLPP Indication settings from the MLPP Indication Status enterprise parameter. • Off—Devices do not handle nor process indication of an MLPP precedence call. • On—Devices do handle and process indication of an MLPP precedence call. <p>Note Do not configure the following combination of settings: MLPP Indication is set to <i>Off</i> or <i>Default</i> (when default is <i>Off</i>) while MLPP Preemption is set to <i>Forceful</i>.</p> <p>Note Turning on MLPP Indication (at the enterprise parameter or device level) disables normal Ring Setting behavior for the lines on a device, unless MLPP Indication is turned off (overridden) for the device.</p>

Table 77-1 Common Device Configuration Settings (continued)

Field	Description
MLPP Preemption	<p>This setting specifies whether devices that are capable of preempting calls in progress will use the capability when the devices place an MLPP precedence call.</p> <p>From the drop-down list box, choose a setting to assign to the devices from the following options:</p> <ul style="list-style-type: none"> • Default—Devices inherit MLPP Preemption settings from the MLPP Preemption Setting enterprise parameter. • Disabled—Devices do not allow preemption of lower precedence calls to take place when necessary for completion of higher precedence calls. • Forceful—Devices allow preemption of lower precedence calls to take place when necessary for completion of higher precedence calls. <p>Note Do not configure the following combination of settings: MLPP Indication is set to <i>Off</i> or <i>Default</i> (when default is <i>Off</i>) while MLPP Preemption is set to <i>Forceful</i>.</p>
MLPP Domain	<p>From the drop-down list box, choose an MLPP domain that is associated with this common device configuration. If you leave the <None> setting, devices inherit MLPP domains from the value set for the MLPP Domain Identifier enterprise parameter.</p>

Additional Information

See the “[Related Topics](#)” section on page 77-8.

Synchronizing a Common Device Configuration With Affected Devices

To synchronize devices with a common device configuration that has undergone configuration changes, 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

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- Step 1** Choose **Device > Device Settings > Common Device Configuration**.
- The Find and List Common Device Configurations window displays.
- Step 2** Choose the search criteria to use.
- Step 3** Click **Find**.
- The window displays a list of common device configurations that match the search criteria.
- Step 4** Click the common device configuration to which you want to synchronize applicable devices. The Common Device Configuration Information window displays.
- 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**.

Additional Information

See the “[Related Topics](#)” section on page 77-8.

Related Topics

- [Common Device Configuration](#), page 77-1
- [Common Device Configuration Settings](#), page 77-1
- [Synchronizing a Common Device Configuration With Affected Devices](#), page 77-7
- [Trusted Relay Point](#), *Cisco Unified Communications Manager System Guide*