



Device Pool Configuration

Use device pools to define sets of common characteristics for devices. You can specify the following device characteristics for a device pool:

- Cisco CallManager group
- Date/time group
- Region
- Softkey template
- SRST reference
- Calling search space for auto-registration
- Media resource group list
- Music On Hold (MOH) audio sources
- User and network locales
- Connection monitor duration timer for communication between SRST and Cisco CallManager
- MLPP settings

Use the following topics to add, update, or delete a device pool:

- [Finding a Device Pool, page 8-2](#)
- [Adding a Device Pool, page 8-4](#)
- [Updating a Device Pool, page 8-5](#)
- [Deleting a Device Pool, page 8-6](#)
- [Device Pool Configuration Settings, page 8-8](#)

Refer to the “[System-Level Configuration Settings](#)” section in the *Cisco CallManager System Guide* for more information about device pools and the device settings that are assigned through device pools.

Finding a Device Pool

Because you might have several device pools in your network, Cisco CallManager Administration lets you locate specific device pools on the basis of specific criteria. Use the following procedure to locate device pools.

**Note**

During your work in a browser session, Cisco CallManager Administration retains your device pool search preferences. If you navigate to other menu items and return to this menu item, Cisco CallManager Administration retains your device pool search preferences until you modify your search or close the browser.

Procedure**Step 1** Choose **System > Device Pool**.

The Find and List Device Pools window displays. Use the two drop-down list boxes to search for a device pool.

Step 2 From the first Find Device Pools where drop-down list box, choose one of the following criteria:

- Device Pool Name
- Cisco CallManager Group
- Region

**Note**

The criterion that you choose in this drop-down list box specifies how the list of device pools that your search generates will be sorted. For example, if you choose Region, the Region column will display as the left column of the results list.

From the second Find Device Pools where drop-down list box, choose one of the following criteria:

- begins with
- contains
- ends with
- is exactly
- is not empty
- is empty

Step 3 Specify the appropriate search text, if applicable, and click **Find**. You can also specify how many items per page to display.



Tip To find all device pools that are registered in the database, click **Find** without entering any search text.

A list of discovered device pools displays by

- Device Pool icon
- Device Pool Name
- CallManager Group
- Region
- Date/Time Group



Note You can delete multiple device pools from the Find and List Device Pools window by checking the check boxes next to the appropriate device pools and clicking **Delete Selected**. You can delete all device pools in the window by checking the check box in the Matching records title bar and clicking **Delete Selected**.

Step 4 From the list of records, click the Device Pool icon or name, the CallManager Group, the Region, or the Date/Time Group that matches your search criteria.

The window displays the device pool that you choose.

Related Topics

- [Adding a Device Pool, page 8-4](#)
- [Updating a Device Pool, page 8-5](#)
- [Deleting a Device Pool, page 8-6](#)
- [Device Pool Configuration Settings, page 8-8](#)

Adding a Device Pool

This section describes how to add a new device pool to the Cisco CallManager database. After adding a new device pool to the database, you can use it to configure devices such as Cisco IP Phones, gateways, conference bridges, transcoders, media termination points, voice-mail ports, CTI route points, and so on.

Before You Begin

Before configuring a device pool, you must configure the following items if you want to choose them for the device pool:

- Cisco CallManager group (required). See the [“Adding a Cisco CallManager Group” section on page 4-4](#).
- Date/time group (required). See the [“Adding a Date/Time Group” section on page 5-4](#).
- Region (required). See the [“Adding a Region” section on page 7-3](#).
- SRST reference (optional). See the [“Adding an SRST Reference” section on page 12-3](#).
- Media resource group list (optional). See the [“Adding a Media Resource Group List” section on page 38-4](#).
- MOH audio sources (optional). See the [“Configuring Music On Hold Audio Sources” section in the *Cisco CallManager Features and Services Guide*](#).
- Calling search space for auto-registration (optional). See the [“Adding a Calling Search Space” section on page 19-3](#).
- Softkey templates if you are not using the standard softkey templates that are provided with Cisco CallManager (optional). See the [“Adding Nonstandard Softkey Templates” section on page 60-4](#).

Procedure

- Step 1** Choose **System > Device Pool**.
- Step 2** Use one of the following methods to add a device pool:
- If a device pool already exists with settings that are similar to the one that you want to add, choose the existing device pool to display its settings, click **Copy**, and modify the settings as needed.
 - To add a device pool without copying an existing one, continue with [Step 3](#).
- Step 3** In the upper, right corner of the window, click the **Add a New Device Pool** link. The Device Pool Configuration window displays.
- Step 4** Enter or edit the appropriate fields as described in the [“Device Pool Configuration Settings”](#) section on page 8-8.
- Step 5** Click **Insert** to save the device pool information in the database.
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Related Topics

- [Device Defaults Configuration](#), page 6-1
- [Finding a Device Pool](#), page 8-2
- [Updating a Device Pool](#), page 8-5
- [Deleting a Device Pool](#), page 8-6
- [Device Pool Configuration Settings](#), page 8-8

Updating a Device Pool

This section describes how to modify the configuration of an existing device pool.

Procedure

- Step 1** Find the device pool by using the procedure in the [“Finding a Device Pool”](#) section on page 8-2.
- Step 2** From the list of matching records, choose the device pool that you want to update.

- Step 3** Update the appropriate settings as described in [Table 8-1](#).
- Step 4** Click **Update** to save the changes in the database.
- Step 5** Reset the devices to apply the changes. To reset all the devices in the chosen device pool, click **Reset Devices**.

**Tip**

For your convenience in resetting devices, the **Reset Devices** button resets all devices in the chosen device pool.

**Caution**

Resetting devices can cause them to drop calls.

Related Topics

- [Finding a Device Pool, page 8-2](#)
- [Adding a Device Pool, page 8-4](#)
- [Deleting a Device Pool, page 8-6](#)
- [Device Pool Configuration Settings, page 8-8](#)

Deleting a Device Pool

This section describes how to delete a device pool from the Cisco CallManager database.

Before You Begin

You cannot delete a device pool if it has any devices assigned to it, if it is used for Device Defaults configuration, or if it is the only device pool in the database. If you try to delete a device pool that is in use, an error message displays. Before deleting a device pool that is currently in use, you must perform either or both of the following tasks:

- Update the devices to assign them to a different device pool. See the [“Updating a Phone” section on page 57-10](#).
- Delete the devices that are assigned to the device pool that you want to delete. See the [“Deleting a Phone” section on page 57-11](#).

Procedure

- Step 1** Find the device pool by using the procedure in the [“Finding a Device Pool” section on page 8-2](#).
- Step 2** From the list of matching records, choose the device pool that you want to delete.
- Step 3** Click **Delete**.
- Step 4** When prompted to confirm the delete operation, click **OK** to delete or click **Cancel** to cancel the delete operation.
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Related Topics

- [Finding a Device Pool, page 8-2](#)
- [Adding a Device Pool, page 8-4](#)
- [Updating a Device Pool, page 8-5](#)
- [Device Pool Configuration Settings, page 8-8](#)

Device Pool Configuration Settings

Table 8-1 lists and describes device pool configuration settings.

Table 8-1 Device Pool Configuration Settings

Field Name	Description
Device Pool Settings	
Device Pool Name	Enter the name of the new device pool that you are creating.
Cisco CallManager Group	Choose the Cisco CallManager group to assign to devices in this device pool. A Cisco CallManager group specifies a prioritized list of up to three Cisco CallManagers. The first Cisco CallManager in the list serves as the primary Cisco CallManager for that group, and the other members of the group serve as backup Cisco CallManagers for redundancy.
Date/Time Group	Choose the date/time group to assign to devices in this device pool. The date/time group specifies the time zone and the display formats for date and time.
Region	Choose the Cisco CallManager region to assign to devices in this device pool. The Cisco CallManager region settings specify voice codec that can be used for calls within a region and between other regions.
Softkey Template	From the drop-down list box, choose the softkey template that is associated with the devices in the device pool.

Table 8-1 Device Pool Configuration Settings (continued)

Field Name	Description
SRST Reference	<p>From the drop-down list box, choose a survivable remote site telephony (SRST) reference to assign to devices in this device pool. Choose from the following options:</p> <ul style="list-style-type: none"> • Disable—If you choose this option, devices in this device pool will not have SRST reference gateways available to them. • Use Default Gateway—If you choose this option, devices in this device pool use the default gateway for SRST. • Existing SRST references—If you choose an SRST reference from the drop-down list, devices in this device pool will use this SRST reference gateway.
Calling Search Space for Auto-registration	Choose the calling search space to assign to devices in this device pool that auto-registers with Cisco CallManager. The calling search space specifies partitions that devices can search when attempting to complete a call.
Media Resource Group List	From the drop-down list box, choose a media resource group list. A media resource group list specifies a prioritized list of media resource groups. An application selects the required media resource (for example, a music on hold server, transcoder, or conference bridge) from the available media resource groups according to the priority order that is defined in a media resource group list.
Network Hold MOH Audio Source	Choose the audio source to use for music on hold (MOH) when the network initiates a hold action.
User Hold MOH Audio Source	Choose the audio source to use for music on hold (MOH) when a user initiates a hold action.

Table 8-1 Device Pool Configuration Settings (continued)

Field Name	Description
Network Locale	<p>From the drop-down list box, choose the locale that is associated with phones and gateways. The network locale contains a definition of the tones and cadences that the phones and gateways in the device pool in a specific geographic area use. Make sure that you select a network locale supported by all of the phones and gateways that use this device pool.</p> <p>Note If the user does not choose a network locale, the locale that is specified in the Cisco CallManager clusterwide parameters as Default Network Locale applies.</p> <p>Note Choose only a network locale that is already installed and supported by the associated devices. The list contains all available network locales for this setting, but not all are necessarily installed. If a device is associated with a network locale that it does not support in the firmware, the device will fail to come up.</p>
User Locale	<p>From the drop-down list box, choose the locale that is associated with the phones and gateways in the device pool. The user locale identifies a set of detailed information to support users, including language and font.</p> <p>Note If the user does not choose a user locale, the locale that is specified in the Cisco CallManager clusterwide parameters as Default User Locale applies.</p>

Table 8-1 Device Pool Configuration Settings (continued)

Field Name	Description
Connection Monitor Duration	<p data-bbox="602 287 1241 414">This setting defines the amount of time that the IP phone monitors its connection to Cisco CallManager before it unregisters from SRST and re-registers to Cisco CallManager.</p> <p data-bbox="602 430 1241 524">The default value, which specifies 120 seconds, resides in the Connection Monitor Duration enterprise parameter.</p> <p data-bbox="602 540 1241 634">Change this setting if you need to disable the connection monitor (by changing the value to zero) or if you want to extend the connection monitor time.</p> <p data-bbox="602 651 1241 836">Note When you change the value of the connection monitor duration, it applies only to the device pool that is being updated. All other device pools use the value in their own connection monitor duration fields or use the value that is configured in the enterprise parameter.</p> <p data-bbox="602 868 1241 964">For more information, refer to Survivable Remote Site Telephony References in the <i>Cisco CallManager System Guide</i>.</p>

Table 8-1 Device Pool Configuration Settings (continued)

Field Name	Description
Multilevel Precedence and Preemption (MLPP) Information	
MLPP Indication	<p>This setting specifies whether devices in the device pool 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 in this device pool from the following options:</p> <ul style="list-style-type: none"> • Default—This device pool inherits its MLPP Indication setting from the MLPP Indication Status enterprise parameter. • Off—Devices in this device pool do not handle nor process indication of an MLPP precedence call. • On—Devices in this device pool do handle and process indication of an MLPP precedence call. <p>Note Do not configure a device pool with 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, device pool, 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 8-1 Device Pool Configuration Settings (continued)

Field Name	Description
MLPP Preemption	<p>This setting specifies whether devices in the device pool 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 in this device pool from the following options:</p> <ul style="list-style-type: none"> • Default—This device pool inherits its MLPP Preemption setting from the MLPP Preemption Setting enterprise parameter. • Disabled—Devices in this device pool do not allow preemption of lower-precedence calls to take place when necessary for completion of higher-precedence calls. • Forceful—Devices in this device pool allow preemption of lower-precedence calls to take place when necessary for completion of higher-precedence calls. <p>Note Do not configure a device pool with the following combination of settings: MLPP Indication is set to <i>Off or Default</i> (when default is <i>Off</i>) while MLPP Preemption is set to <i>Forceful</i>.</p>
MLPP Domain (e.g., “0000FF”)	<p>Enter a hexadecimal value between 0 and FFFFFFFF for the MLPP domain that is associated with this device pool. If you leave this field blank, this device pool inherits its MLPP domain from the value set for the MLPP Domain Identifier enterprise parameter.</p>

Related Topics

- [Finding a Device Pool, page 8-2](#)
- [Adding a Device Pool, page 8-4](#)

- [Updating a Device Pool, page 8-5](#)
- [Deleting a Device Pool, page 8-6](#)