



Device Pool Configuration

Device pools define sets of common characteristics for devices. The device pool structure supports the separation of user and location information. The device pool now contains only device- and location-related information. The Common Profile window records all the user-oriented information. Ensure that each device is associated with a device pool and with a common profile for user-oriented information.

Use the following topics to configure device pools:

- [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 8-7](#)

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.

Refer to [Cisco CallManager Device Mobility](#) in the *Cisco CallManager Features and Services Guide* for more information on the Device Mobility feature.

Refer to [Common Profile Configuration](#) in the *Cisco CallManager Administration Guide* for more information on configuring Common Profile parameters.

Finding a Device Pool

Because you may 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 8-7](#)

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 13-3](#).
- Media resource group list (optional). See the [“Adding a Media Resource Group List” section on page 39-4](#).
- Calling search space for auto-registration (optional). See the [“Adding a Calling Search Space” section on page 20-3](#).
- Device mobility group (optional). See the [“Adding a Device Mobility Group” section on page 48-3](#).
- Device mobility calling search space. See the [“Adding a Calling Search Space” section on page 20-3](#).
- Physical location (optional). See the [“Adding a Physical Location” section on page 12-3](#).
- Location. See the [“Adding a Location” section on page 10-4](#).
- AAR group. See the [“Adding an AAR Group” section on page 14-3](#).
- AAR calling search space. See the [“Adding a Calling Search Space” section on page 20-3](#).

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 8-7.
- Step 5** To save the device pool information in the database, click **Insert**.
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Related Topics

- [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 8-7

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** To save the changes in the database, click **Update**.
- 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 8-7](#)

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 that are 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, a 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 62-10](#).
- Delete the devices that are assigned to the device pool that you want to delete. See the [“Deleting a Phone” section on page 62-11](#).

Procedure

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- 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 8-7](#)

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.

Table 8-1 Device Pool Configuration Settings (continued)

Field Name	Description
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.
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.
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.

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 that all of the phones and gateways that use this device pool support.</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>
Device Mobility Group	Device mobility groups represent the highest level geographic entities in your network and are used to support the device mobility feature.
Location	Use locations to implement call admission control in a centralized call-processing system. Call admission control enables you to regulate audio quality and video availability by limiting the amount of bandwidth that is available for audio and video calls over links between the locations.
Physical Location	Select the physical location for this device pool. The system uses physical location with the device mobility feature to identify the parameters that relate to a specific geographical location.

Table 8-1 Device Pool Configuration Settings (continued)

Field Name	Description
Connection Monitor Duration	<p>This setting defines the length of time that the IP phone monitors its connection to Cisco CallManager before it unregisters from SRST and reregisters to Cisco CallManager.</p> <p>The default value, which specifies 120 seconds, resides in the Connection Monitor Duration enterprise parameter.</p> <p>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>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>For more information, refer to Survivable Remote Site Telephony References in the <i>Cisco CallManager System Guide</i>.</p>
Device Mobility Calling Search Space	Choose the appropriate calling search space to be used as the device calling search space when the device is roaming and in same device mobility group.
AAR Calling Search Space	Choose the appropriate calling search space for the device to use when performing automated alternate routing (AAR). The AAR calling search space specifies the collection of route partitions that are searched to determine how to route a collected (originating) number that is otherwise blocked due to insufficient bandwidth.

Table 8-1 Device Pool Configuration Settings (continued)

Field Name	Description
AAR Group	Choose the automated alternate routing (AAR) group for this device. The AAR group provides the prefix digits that are used to route calls that are otherwise blocked due to insufficient bandwidth. An AAR group setting of None specifies that no rerouting of blocked calls will be attempted.

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](#)

