



Calling Search Space Configuration

A calling search space comprises an ordered list of route partitions that are typically assigned to devices. Calling search spaces determine the partitions that calling devices search when they are attempting to complete a call. For more detailed information on calling search spaces and partitions, refer to [“Partitions and Calling Search Spaces”](#) in the *Cisco Unified CallManager System Guide*.

Finding a Calling Search Space

Because you might have several calling search spaces in your network, Cisco Unified CallManager lets you locate specific calling search spaces by using specific criteria as the basis. Use the following procedure to locate calling search spaces.



Note

During your work in a browser session, Cisco Unified CallManager Administration retains your calling search space search preferences. If you navigate to other menu items and return to this menu item, Cisco Unified CallManager Administration retains your calling search space search preferences until you modify your search.

Procedure

- Step 1** Choose **Route Plan > Class of Control > Calling Search Space**.
The Find and List Calling Search Spaces window displays.
- Step 2** From the drop-down list box, choose one of the following criteria:
- begins with
 - contains
 - ends with
 - is exactly
 - is empty
 - is not empty
- Step 3** Specify the appropriate search text, if applicable, and click **Find**. You can also specify how many items per page to display.

**Note**

To find all calling search spaces that are registered in the database, click **Find** without entering any search text.

A list of discovered calling search spaces displays by

- CSS name
- Description

**Tip**

To search for calling search spaces within the search results, click the **Search Within Results** check box and enter your search criteria as described in this step.

**Note**

You can delete multiple calling search spaces from the Find and List Calling Search Spaces window by checking the check boxes next to the appropriate calling search spaces and clicking **Delete Selected**. You can delete all calling search spaces 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 calling search space that matches your search criteria.
The window displays the calling search space that you choose.

Additional Topics

See the [“Related Topics” section on page 42-6](#).

Configuring a Calling Search Space

The following procedure describes how to copy, add and update a calling search space.

Procedure

- Step 1** In the menu bar, choose **Route Plan > Class of Control > Calling Search Space**.
- Step 2** Perform one of the followings tasks:
- To copy an existing calling search space, locate the appropriate calling search space as described in [“Finding a Calling Search Space” section on page 42-1](#). Click the **Copy** button next to the calling search space that you want to copy. The window displays the copy of the calling search space. Change the Calling Search Space Name, and continue with [Step 3](#).
 - To add a calling search space, click the **Add New** button, and continue with [Step 3](#).

**Note**

To add more calling search spaces, click **Add New** and repeat this procedure.

- To update an existing calling search space, locate the appropriate calling search space as described in [“Finding a Calling Search Space” section on page 42-1](#), and continue with [Step 3](#).

- Step 3** Enter the appropriate settings as described in [Table 42-1](#).
- Step 4** Click **Save**.

Additional Topics

See the [“Related Topics” section on page 42-6](#).

Calling Search Space Configuration Settings

[Table 42-1](#) describes the calling search space configuration settings.

Table 42-1 *Calling Search Space Configuration Settings*

Field	Description
Calling Search Space Information	
Name	Enter a name in the Calling Search Space Name field. The name can comprise up to 50 alphanumeric characters and can contain any combination of spaces, periods (.), hyphens (-), and underscore characters (_). Ensure each calling search space name is unique to the system. Note Use concise and descriptive names for your calling search spaces. The CompanynameLocationCalltype format usually provides a sufficient level of detail and is short enough to enable you to quickly and easily identify a calling search space. For example, CiscoDallasMetroCS identifies a calling search space for toll-free, inter-local access and transport area (LATA) calls from the Cisco office in Dallas.
Description	Enter a description in the Description field. The description can comprise up to 50 alphanumeric characters and can contain any combination of spaces, periods (.), hyphens (-), and underscore characters (_).

Table 42-1 **Calling Search Space Configuration Settings (continued)**

Field	Description
Route Partitions for this Calling Search Space	
Available Partitions	Choose a partition in the Available Partitions list box and add it to the Selected Partitions list box by clicking the arrow button between the two list boxes. To add a range of partitions at once, click the first partition in the range; then, hold down the Shift key while clicking the last partition in the range. Click the arrow button between the two list boxes to add the range of partitions. To add multiple partitions that are not contiguous, hold down the Control (Ctrl) key while clicking multiple partitions. Click the arrow button between the two list boxes to add the chosen partitions. Note The length of the partition names limits the maximum number of partitions that can be added to a calling search space. Table 42-2 provides examples of the maximum number of partitions that can be added to a calling search space if partition names are of fixed length.
Selected Partitions (Ordered by highest priority)	To change the priority of a partition, choose a partition name in the Selected Partitions list box. Move the partition up or down in the list by clicking the arrows on the right side of the list box.

[Table 42-2](#) provides examples of the maximum number of partitions that can be added to a calling search space if partition names are of fixed length. Refer to [“Partition Name Limitations”](#) in the *Cisco Unified CallManager System Guide* for details about how this maximum number is calculated.

Table 42-2 **Calling Search Space Partition Limitations**

Partition Name Length	Maximum Number of Partitions
2 characters	170
3 characters	128
4 characters	102
5 characters	86
...	...
10 characters	46
15 characters	32

Additional Topics

See the [“Related Topics”](#) section on page 42-6.

Deleting a Calling Search Space

The following procedure describes how to delete a calling search space.

Before You Begin

You cannot delete calling search spaces that devices, lines (DNs), translation patterns, or other items are using. To find out which devices, lines, translation patterns, or other items are using the calling search space, choose the **Dependency Records** from the Related Links drop-down list box in the Calling Search Space Configuration window and click **Go**. If the dependency records are not enabled for the system, the dependency records summary window displays a message. For more information about dependency records, refer to the [“Accessing Dependency Records” section on page A-2](#). If you try to delete a calling search space that is in use, Cisco Unified CallManager displays a message. Before deleting a calling search space that is currently in use, you must perform either or both of the following tasks:

- Assign a different calling search space to any devices, lines, or translation patterns that are using the calling search space that you want to delete. Refer to the [“Directory Number Configuration Overview” section on page 48-1](#) and the [“Configuring a Translation Pattern” section on page 45-3](#).
- Delete the devices, lines, or translation patterns that are using the calling search space that you want to delete. Refer to the [“Removing a Directory Number from a Phone” section on page 48-4](#), and the [“Deleting a Translation Pattern” section on page 45-9](#).

Procedure

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- Step 1** In the menu bar, choose **Route Plan > Class of Control > Calling Search Space**.
- Step 2** Locate the calling search space that you want to delete. See the [“Finding a Calling Search Space” section on page 42-1](#).
- Step 3** Check the check box of the calling search space that you want to delete and click **Delete Selected**.
A message displays that states that you cannot undo this action.
- Step 4** To delete the calling search space, Click **OK** or click **Cancel**.



Caution

Before initiating this action, check carefully to ensure that you are deleting the correct calling search space. You cannot retrieve deleted calling search spaces. If a calling search space is accidentally deleted, you must rebuild it.



Tip

You can also delete a calling search space by locating and displaying the calling search space that you want to delete and clicking **Delete**.

Additional Topics

See the [“Related Topics” section on page 42-6](#).

Related Topics

Use the following topics to find, add, update, copy, or delete a calling search space:

- [Finding a Calling Search Space, page 42-1](#)
- [Configuring a Calling Search Space, page 42-2](#)
- [Calling Search Space Configuration Settings, page 42-3](#)
- [Deleting a Calling Search Space, page 42-5](#)