



# Partition Setup

---

This chapter provides information to find, add, update, or delete route partitions.

For additional information, see topics related to local route groups in the *Cisco Unified Communications Manager Features and Services Guide*.

- [About Partition Setup](#) , on page 1
- [Partition Deletions](#) , on page 2
- [Partition Settings](#) , on page 2
- [Search for Partition](#) , on page 4
- [Synchronize Partition Settings with Devices](#) , on page 5

## About Partition Setup

In Cisco Unified Communications Manager Administration, use the **Call Routing > Class of Control > Partition** menu path to configure partitions.

A partition contains a list of route patterns (directory number (DN) and route patterns). Partitions facilitate call routing by dividing the route plan into logical subsets that are based on organization, location, and call type. For more information about partitions and calling search spaces, see the *Cisco Unified Communications Manager System Guide*.

### Partitions Configuration Tips

You can configure multiple partitions. To enter multiple partitions, use one line for each partition entry. You can enter up to 75 partitions at a time; the names and descriptions can have a total of up to 1475 characters. Use a comma (,) to separate the partition name and description on each line. If you do not enter a description, Cisco Unified Communications Manager uses the name as the description.



---

#### Timesaver

Use concise and descriptive names for your partitions. The CompanynameLocationCalltype format usually provides a sufficient level of detail and is short enough to enable you to quickly and easily identify a partition. For example, CiscoDallasMetroPT identifies a partition for toll-free, inter-local access and transport area (LATA) calls from the Cisco office in Dallas.

---

If you are updating a partition, click Reset, or use the Apply Config button as described in the procedure to synchronize a partition with affected devices. When you reset devices that are associated with the partition, all calls on affected gateways drop.

## Partition Deletions

You cannot delete a partition if it is assigned to an item such as calling search space or to a route pattern. To find out which calling search spaces or other items are using the partition, choose Dependency Records from the Related Links drop-down list box in the Partition Configuration window and click Go. If the dependency records are not enabled for the system, the dependency records summary window displays a message. If you try to delete a partition that is in use, Cisco Unified Communications Manager displays a message. Before deleting a partition that is currently in use, you must perform either or both of the following tasks:

- Assign a different partition to any calling search spaces, devices, or other items that are using the partition that you want to delete.
- Delete the calling search spaces, devices, or other items that are using the partition that you want to delete.

**Caution**

Before initiating a deletion, check carefully to ensure that you are deleting the correct partition. You cannot retrieve deleted partitions. If you accidentally delete a partition, you must rebuild it.

## Partition Settings

Field	Description
Partition Information	

Field	Description
(Partition Name, Description)	<p>Enter a name in the partition name and description box. Ensure each partition name is unique to the route plan. Partition names can contain a-z, A-Z and 0-9 characters, as well as spaces, hyphens (-), and underscore characters (_).</p> <p><b>Note</b> The length of the partition names limits the maximum number of partitions that can be added to a calling search space. The calling search space partition limitations table provides examples of the maximum number of partitions that can be added to a calling search space if partition names are of fixed length.</p> <p>Follow the partition name by a comma (,); then, enter a description on the same line as the Partition Name. The description can include up to 50 characters in any language, but it cannot include double-quotes ("), percentage sign (%), ampersand (&amp;), back-slash (\), angle brackets (&lt;&gt;), or brackets ([ ]).</p> <p>If you do not enter a description, Cisco Unified Communications Manager automatically enters the partition name in this field.</p> <p>Use a new line for each partition and description.</p>
Time Schedule	<p>From the drop-down list box, choose a time schedule to associate with this partition. The associated time schedule specifies when the partition is available to receive incoming calls.</p> <p>The default value specifies None, which implies that time-of-day routing is not in effect and the partition remains active at all times.</p> <p>In combination with the Time Zone value in the following field, association of a partition with a time schedule configures the partition for time-of-day routing. The system checks incoming calls to this partition against the specified time schedule.</p>

Field	Description
Time Zone	<p>Choose one of the following options to associate a partition with a time zone:</p> <ul style="list-style-type: none"> <li>• <b>Originating Device</b>—If you choose this option, the system checks the partition against the associated time schedule with the time zone of the calling device.</li> <li>• <b>Specific Time Zone</b>—If you choose this option, choose a time zone from the drop-down list box. The system checks the partition against the associated time schedule at the time that is specified in this time zone.</li> </ul> <p>These options all specify the Time Zone. When an incoming call occurs, the current time on the Cisco Unified Communications Manager gets converted into the specific time zone set when one option is chosen. The system validates this specific time against the value in the Time Schedule field.</p>

The following table provides examples of the maximum number of partitions that can be added to a calling search space if partition names are of fixed length.

**Table 1: 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

## Search for Partition

You can configure the number of partitions that display in this drop-down list box by using the Max List Box Items enterprise parameter. If more partitions exist than the Max List Box Items enterprise parameter specifies, the Find button displays next to the Partition drop-down list box on the Cisco Unified Communications Manager Administration windows where the button appears. Click the Find button to search for the partition that you want.

### Procedure

---

- Step 1** Click the Find button next to the Partition drop-down list box.  
The Find and List Partitions window displays.
- Step 2** In the Find partition where field, choose search criteria and enter a partial partition name.
- Step 3** In the list of partitions that displays, click the desired partition name and click OK.
- 

## Synchronize Partition Settings with Devices

To synchronize devices with a partition 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

---

- Step 1** Choose **Call Routing > Class of Control > Partition**.  
The Find and List Partitions window displays.
- Step 2** Choose the search criteria to use.
- Step 3** Click Find.  
The window displays a list of partitions that match the search criteria.
- Step 4** Click the partition to which you want to synchronize applicable devices. The Partition Configuration window displays.
- Step 5** Make any additional configuration changes.
- Step 6** Click Save.
- Step 7** Click Apply Config.  
The Apply Configuration Information dialog displays.
- Note** If devices that are associated with the partition get reset, all calls on affected gateways drop.
- Step 8** Click OK.
-

