



Route Group Setup

This chapter provides information to add or delete a route group or to add devices to or to remove devices from a route group.

For additional information about route plans, see the *Cisco Unified Communications Manager System Guide*. See the *Cisco Unified Communications Manager Features and Services Guide* for additional information about local route groups.

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About Route Group Setup

In Cisco Unified Communications Manager Administration, use the **Call Routing > Route/Hunt** Route Group menu path to configure route groups.

Route/Hunt

A route group allows you to designate the order in which gateways and trunks are selected. It allows you to prioritize a list of gateways and ports for outgoing trunk selection.

For example, if you use two long-distance carriers, you could add a route group, so long-distance calls to the less expensive carrier are given priority. Calls route to the more expensive carrier only if the first trunk is unavailable.

Route Group Deletion



Caution

Even if a route group is referenced in a route list, you can delete the group and the system will not prompt you. As a best practice, always check the configuration or dependency records before you delete a route group. It is recommended that you remove the route group from all route lists to which it belongs before you delete the route group.

Route Group Settings

Field	Description
Route Group Information	
Route Group Name	<p>Enter a name for this route group. The name can comprise up to 50 alphanumeric characters and can contain any combination of spaces, periods (.), hyphens (-), and underscore characters (_). Ensure that each route group name is unique to the route plan.</p> <p>Timesaver Use concise and descriptive names for your route groups. The CompanynameLocationGroup format usually provides a sufficient level of detail and is short enough to enable you to quickly and easily identify a route group. For example, CiscoDallasAA1 identifies a Cisco Access Analog route group for the Cisco office in Dallas.</p>
Distribution Algorithm	<p>Choose a distribution algorithm from the options in the drop-down list box:</p> <ul style="list-style-type: none"> • Top Down—If you choose this distribution algorithm, Cisco Unified Communications Manager distributes a call to idle or available members starting from the first idle or available member of a route group to the last idle or available member. • Circular—If you choose this distribution algorithm, Cisco Unified Communications Manager distributes a call to idle or available members starting from the (n+1)th member of a route group, where the nth member is the member to which Cisco Unified Communications Manager most recently extended a call. If the nth member is the last member of a route group, Cisco Unified Communications Manager distributes a call starting from the top of the route group. <p>The default value specifies Circular.</p>
Route Group Member Information	
Find Devices to Add to Route Group	

Field	Description
Device Name contains	<p>Enter the character(s) that are found in the device name that you are seeking and click the Find button. Device names that match the character(s) that you entered display in the Available Devices box.</p> <p>Note To find all available devices, leave the text box blank and click the Find button.</p>
Available Devices	<p>Choose a device in the Available Devices list box and add it to the Selected Devices list box by clicking Add to Route Group.</p> <p>If the route group contains a gateway that uses the QSIG protocol, only gateways that use the QSIG protocol display in the list. If the route group contains a gateway that uses the non-QSIG protocol, gateways that use the controlled intercluster trunks, which are QSIG protocol, do not display in the list.</p> <p>If you included the route group in a route list that contains QSIG gateways, the H.323 gateways do not display in the list.</p>
Port(s)	<p>If this device supports individually configurable ports, choose the port. (Devices that allow you to choose individual ports include Cisco Access Analog and Cisco MGCP Analog gateways and T1 CAS.) Otherwise, choose the default value (All or None Available, depending upon the device that is chosen). For a device that has no ports available (None Available), the device may already be added to the Route Group or cannot be added to the route group.</p>
Current Route Group Members	
Selected Devices	<p>To change the priority of a device, choose a device name in the Selected Devices list box. Move the device up or down in the list by clicking the arrows on the right side of the list box.</p> <p>To reverse the priority order of the devices in the Selected Devices list box, click Reverse Order of Selected Devices.</p>
Removed Devices	<p>Choose a device in the Selected Devices list box and add it to the Removed Devices list box by clicking the down arrow button between the two list boxes.</p> <p>Note You must leave at least one device in a route group.</p>
Route Group Members	

Field	Description
(list of devices)	<p>This pane displays links to the devices that have been added to this route group. Click one of the device names to go to the configuration window for that particular device.</p> <p>Note When you are adding a new route group, this list does not display until you save the route group.</p>

Add Devices to Route Group

You can add devices to a new route group or to an existing route group. You can add gateways to multiple route groups. After you add a gateway to any route group, the gateway does not display in the Route Pattern configuration window. The following procedure describes adding a device to an existing route group.

Before you begin

You must define one or more gateway and trunk devices before performing this procedure. A device can reside in only one route group.

Procedure

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- Step 1** Choose **Call Routing > Route/Hunt > Route Group**.
 - Step 2** Locate the route group to which you want to add a device.
 - Step 3** In the Available Devices list box, choose a device to add and click Add to Route Group to move it to the Selected Devices list box. Repeat this step for each device that you want to add to this route group.
 - Step 4** In the Selected Devices list box, choose the order in which the new device or devices are to be accessed in this route group. To change the order, click a device and use the Up and Down arrows to the right of the list box to change the order of devices.
 - Step 5** To add the new device(s) and to update the device order for this route group, click Save.
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Remove Devices From Route Group

You can remove devices from a new route group or from an existing route group. The following procedure describes removing a device from an existing route group.

Procedure

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- Step 1** Choose **Call Routing > Route/Hunt > Route Group**.
 - Step 2** Locate the route group from which you want to remove a device.

Step 3 In the Selected Devices list box, choose a device to be removed and click the Down arrow below the Selected Devices list box to move the device to the Removed Devices list box. Repeat this step for each device that you want to remove from this route group.

Note You must leave at least one device in a route group.

Step 4 To remove the devices, click Save.
