



## Route Group Configuration

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A route group allows you to designate the order in which gateways 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 that long-distance calls to the less expensive carrier are given priority. Calls only route to the more expensive carrier if the first trunk is unavailable.

Use the following topics to add or delete a route group or to add devices to or remove devices from a route group:

- [Finding a Route Group, page 15-1](#)
- [Adding a Route Group, page 15-3](#)
- [Adding Devices to a Route Group, page 15-4](#)
- [Removing Devices from a Route Group, page 15-5](#)
- [Updating a Route Group, page 15-6](#)
- [Deleting a Route Group, page 15-7](#)
- [Route Group Configuration Settings, page 15-8](#)

### Finding a Route Group

Because you might have several route filters in your network, Cisco CallManager lets you locate specific route filters based on specific criteria. Use the following procedure to locate route filters.

## Procedure

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**Step 1** Choose **Route Plan > Route Group**.

The Find and List Route Groups window displays.

**Step 2** From the drop-down list box, choose one of the following criteria:

- begins with
- contains
- ends with
- is exactly

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



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**Note** To find all route groups registered in the database, click **Find** without entering any search text.

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A list of discovered route groups displays by:

- Route group name



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**Note** You can delete multiple route groups from the Find and List Route Groups window by checking the check boxes next to the appropriate route groups and clicking **Delete Selected**. You can delete all of the route groups in the window by checking the check box in the matching records title bar and clicking **Delete Selected**.

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**Step 4** Click the route group from the list of records that matches your search criteria. The window displays the route group you choose.

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## Related Topics

- [Adding a Route Group, page 15-3](#)
- [Adding Devices to a Route Group, page 15-4](#)
- [Removing Devices from a Route Group, page 15-5](#)

- [Updating a Route Group, page 15-6](#)
- [Deleting a Route Group, page 15-7](#)

## Adding a Route Group

The following procedure describes how to add a route group.

### Procedure

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- Step 1** Choose **Route Plan > Route Group** in the menu bar.
- Step 2** Click **Add a New Route Group**.
- Step 3** Enter a name in the Route Group Name field. The name can contain up to 50 alphanumeric characters and can contain any combination of spaces, periods (.), hyphens (-), and underscore characters (\_). Ensure each route group name is unique to the route plan.



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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.

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- Step 4** Click **Continue**.
- Step 5** Choose the appropriate settings as described in [Table 15-1](#).
- Step 6** Click **Insert** to add this route group with one device.
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### Related Topics

- [Finding a Route Group, page 15-1](#)
- [Adding Devices to a Route Group, page 15-4](#)
- [Removing Devices from a Route Group, page 15-5](#)
- [Deleting a Route Group, page 15-7](#)

- [Route Group Configuration Settings, page 15-8](#)
- [Adding a Route List, page 16-3](#)
- [Adding Route Groups to a Route List, page 16-4](#)
- [Understanding Route Plans, Cisco CallManager System Guide](#)

## Adding Devices to a Route Group

You can add devices to a new route group or to an existing route group. The following procedure describes adding a device to an existing route group.

### Before You Begin

You must define one or more gateway devices before performing this procedure.

### Procedure

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- Step 1** Choose **Route Plan > Route Group** in the menu bar.
  - Step 2** Locate the route group to which you want to add a device. See the [“Finding a Route Group” section on page 15-1](#).
  - Step 3** Click **Add Device**.
  - Step 4** Choose the appropriate settings as described in [Table 15-1](#).
  - Step 5** Click **Insert** to add this gateway and selected ports to the route group.
  - Step 6** In the Order drop-down list box, choose the order in which the new device is to be accessed in this route group.
  - Step 7** Click **Update** to update the device order for this route group.
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### Related Topics

- [Finding a Route Group, page 15-1](#)
- [Adding a Route Group, page 15-3](#)
- [Removing Devices from a Route Group, page 15-5](#)
- [Updating a Route Group, page 15-6](#)

- [Deleting a Route Group, page 15-7](#)
- [Route Group Configuration Settings, page 15-8](#)
- [Adding a Route List, page 16-3](#)
- [Understanding Route Plans, Cisco CallManager System Guide](#)

## Removing Devices from a 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 **Route Plan > Route Group** in the menu bar.
  - Step 2** Locate the route group from which you want to remove a device. See the [“Finding a Route Group” section on page 15-1](#).
  - Step 3** Under the Route Group Members subheading, check the check boxes to the left of the devices to be deleted.
  - Step 4** Click **Remove Device**.  
A dialog box appears warning you that you cannot undo removing devices from a route group.
  - Step 5** Click **OK** to remove the devices or click **Cancel** to cancel the action. If you click **OK**, Cisco CallManager removes the devices from the route group.
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### Related Topics

- [Finding a Route Group, page 15-1](#)
- [Adding a Route Group, page 15-3](#)
- [Adding Devices to a Route Group, page 15-4](#)
- [Updating a Route Group, page 15-6](#)
- [Deleting a Route Group, page 15-7](#)
- [Route Group Configuration Settings, page 15-8](#)

- [Adding a Route List](#), page 16-3
- [Understanding Route Plans](#), *Cisco CallManager System Guide*

## Updating a Route Group

The following procedure describes how to update a route group.

### Before You Begin

Before performing this procedure, ensure the route group to be updated is already configured.

### Procedure

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- Step 1** Choose **Route Plan > Route Group** in the menu bar.
  - Step 2** Locate the route group that you want to update. See the [“Finding a Route Group” section on page 15-1](#).
  - Step 3** Update the appropriate fields as described in [Table 15-1](#).
  - Step 4** Click **Update**.
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### Related Topics

- [Finding a Route Group](#), page 15-1
- [Adding a Route Group](#), page 15-3
- [Adding Devices to a Route Group](#), page 15-4
- [Deleting a Route Group](#), page 15-7
- [Route Group Configuration Settings](#), page 15-8
- [Adding a Route List](#), page 16-3
- [Understanding Route Plans](#), *Cisco CallManager System Guide*

# Deleting a Route Group

The following procedure describes how to delete a route group.

**Note**

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You cannot delete a route group that is referenced by one or more route lists. You must remove the route group from all route lists to which it belongs before deleting the route group.

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**Procedure**

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- Step 1** Choose **Route Plan > Route Group** in the menu bar.
- Step 2** Locate the route group that you want to delete. See the [“Finding a Route Group” section on page 15-1](#).
- Step 3** Check the check box next to the route group that you want to delete and click **Delete Selected**.
- A dialog box appears warning you that you cannot undo deleting route groups.
- Step 4** Click **OK** to delete the group or click **Cancel** to cancel the action. If you click **OK**, the Cisco CallManager removes the route group from the route group list. Other route groups or route patterns can now select the gateways that belonged to the deleted route group, provided that all ports were available with the gateways.

**Note**

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You can delete multiple route groups from the Find and List Route Groups window by checking the check boxes next to the appropriate route groups and clicking **Delete Selected**. You can delete all of the route groups in the window by checking the check box in the matching records title bar and clicking **Delete Selected**.

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**Related Topics**

- [Finding a Route Group, page 15-1](#)
- [Adding a Route Group, page 15-3](#)
- [Adding Devices to a Route Group, page 15-4](#)

- [Updating a Route Group, page 15-6](#)
- [Adding a Route List, page 16-3](#)
- [Understanding Route Plans, \*Cisco CallManager System Guide\*](#)

## Route Group Configuration Settings

Table 15-1 describes the route group configuration settings.

**Table 15-1 Route Group Configuration Settings**

Field	Description
Device Name	From the Device Name drop-down list box, choose the device you want to add to the group.
Port	If this device supports individually configurable ports, choose the port. (Cisco Access Analog and Cisco MGCP Analog gateways allow you to choose individual ports.) Otherwise, choose All (default value).
Order	Choose the order in which you want to access this port or device (1 having the highest priority).

### Related Topics

- [Finding a Route Group, page 15-1](#)
- [Adding a Route Group, page 15-3](#)
- [Adding Devices to a Route Group, page 15-4](#)
- [Removing Devices from a Route Group, page 15-5](#)
- [Updating a Route Group, page 15-6](#)
- [Deleting a Route Group, page 15-7](#)
- [Understanding Route Plans, \*Cisco CallManager Administration Guide\*](#)