



## Route Group

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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 procedures to add or delete a route group or to add devices to or remove devices from a route group:

- Adding a Route Group, page 21-2
- Adding Devices to a Route Group, page 21-3
- Removing Devices from a Route Group, page 21-4
- Deleting a Route Group, page 21-5

## Understanding Route Groups

Each gateway or gateway and port combination can only belong to one route group and can only be listed once within that route group. All gateways in a route group must have the same route pattern. The pattern is assigned to the route list containing the route group (not the route group itself).

Route groups are optional. If a proposed route group only contains one gateway or one gateway and port combination and that route group is not to be included in a route list, the route group is not needed.

# Adding a Route Group

The following procedure describes how to add a route group.

## Before You Begin

You must define one or more gateway devices before you add a route group.

## Procedure

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- Step 1** Open Cisco CallManager Administration.
- Step 2** Select **Route Plan > Route Group** in the menu bar.
- Step 3** Enter a name in the Route Group Name field. The name can consist of up to 50 alphanumeric characters, and can contain any combination of spaces, periods (.), hyphens (-), and underscore characters (\_). Each route group name must be 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** Select the device you want to add to the group from the Device Name drop-down list box.
  - Step 6** If this device supports individually configurable ports, select the port in the Port drop-down list box. (Cisco Access Analog and Cisco MGCP Analog gateways allow you to select individual ports.) Otherwise, select All.
  - Step 7** Select the order in which you want to access this port or device in the Order drop-down list box.
  - Step 8** Click **Insert** to add this route group with one device.
  - Step 9** Click **Add Device** and repeat Steps 4 through 8 to add more devices to this route group. Click **New** and repeat Steps 3 through 8 to add more route groups.
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**Additional Information**

- Understanding Route Plans, page 5-1
- Understanding Route Groups, page 21-1

**Related Procedures**

- Adding Devices to a Route Group, page 21-3
- Removing Devices from a Route Group, page 21-4
- Deleting a Route Group, page 21-5
- Adding a Route List, page 22-5
- Adding Route Groups to a Route List, page 22-7

## 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** Open Cisco CallManager Administration.
  - Step 2** Select **Route Plan > Route Group** in the menu bar.
  - Step 3** Select a name from the route group list on the left side of the page.
  - Step 4** Click **Add Device**.
  - Step 5** Select the device you want to add to the group from the Device Name drop-down list box.
  - Step 6** If this device supports individually configurable ports, select the port in the Port drop-down list box. (Cisco Access Analog and Cisco MGCP Analog gateways allow you to select individual ports.) Otherwise, select All.
  - Step 7** Click **Insert** to add this gateway or gateway and port combination.

- Step 8** Select the order in which the new device is to be accessed in this route group in the Order drop-down list box.
- Step 9** Click **Update** to update the device order for this route group.
- Step 10** Click **Add Device** and repeat Steps 5 through 9 to add more devices to this route group.
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#### Additional Information

- Understanding Route Plans, page 5-1
- Understanding Route Groups, page 21-1

#### Related Procedures

- Adding a Route Group, page 21-2
- Removing Devices from a Route Group, page 21-4
- Deleting a Route Group, page 21-5
- Adding a Route List, page 22-5
- Adding Route Groups to a Route List, page 22-7

## 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** Open Cisco CallManager Administration.
- Step 2** Select **Route Plan > Route Group** in the menu bar.
- Step 3** Select a name from the route group list on the left side of the page.
- Step 4** Select the check boxes on the left sides of all the fields that contains the names of devices to be deleted.

- Step 5** Click **Remove Device**. A dialog box appears warning you that removing devices from a route group cannot be undone.
- Step 6** Click **OK** to remove the devices, or click **Cancel** to cancel the action. If you click **OK**, the devices are removed from the route group and the message “Status: Ready” is displayed.
- Step 7** Select a name in the route group list on the left side of the page and repeat Steps 4 through 6 to remove devices from another route group.
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#### Additional Information

- Understanding Route Plans, page 5-1
- Understanding Route Groups, page 21-1

#### Related Procedures

- Adding a Route Group, page 21-2
- Adding Devices to a Route Group, page 21-3
- Deleting a Route Group, page 21-5
- Adding a Route List, page 22-5
- Adding Route Groups to a Route List, page 22-7

## Deleting a Route Group

The following procedure describes how to delete a route group.



#### Note

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** Open Cisco CallManager Administration.
- Step 2** Select **Route Plan > Route Group** in the menu bar.

**Deleting a Route Group**

- Step 3** Select a name from the route group list on the left side of the page.
- Step 4** Click **Delete**. A dialog box appears warning you that deleting route groups cannot be undone.
- Step 5** Click **OK** to delete the group, or click **Cancel** to cancel the action. If you click **OK**, the route group is removed from the route group list and the message “Status: Ready” is displayed.
- Step 6** Select a name in the route group list on the left side of the page and repeat Steps 4 and 5 to remove another route group.
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**Additional Information**

- Understanding Route Plans, page 5-1
- Understanding Route Groups, page 21-1

**Related Procedures**

- Adding a Route Group, page 21-2
- Adding Devices to a Route Group, page 21-3
- Deleting a Route Group, page 21-5
- Adding a Route List, page 22-5
- Adding Route Groups to a Route List, page 22-7