



Route List Configuration

Route groups consisting of a list of resources (gateways) make up route lists. A route list associates a set of route groups with a route pattern and determines the order in which those route groups are accessed. The order controls the progress of the search for available trunk devices for outgoing calls.

A route list comprises a collection of resources (gateways, route groups) that route calls that match the defined route pattern. Once the Cisco CallManager determines a call that is to be routed through a defined route list, the Cisco CallManager finds the first available device based on the order of the route group(s) that are defined in a route list. Each route list should have at least one route group. Within each route group, you will find that at least one device, such as a gateway, is available. Based on device type, Cisco CallManager can select some, or all, ports as resources in each route group. Some devices, such as digital access, only allow you to select all ports.

Each route list can contain the same route groups that other route lists have already selected.

Use the following topics to add or remove route lists or to add, remove, or change the order of route groups in a route list:

- [Finding Route Lists, page 18-2](#)
- [Adding a Route List, page 18-3](#)
- [Adding Route Groups to a Route List, page 18-4](#)
- [Removing Route Groups from a Route List, page 18-6](#)
- [Changing the Order of Route Groups in a Route List, page 18-7](#)
- [Deleting a Route List, page 18-8](#)

Finding Route Lists

Because you might have several route lists in your network, Cisco CallManager lets you use specific criteria to locate specific route lists. To locate route lists, use the following procedure.

Procedure

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

The Find and List Route Lists 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.



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

A list of discovered route lists displays by

- Route list name
- Description



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

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

- [Adding a Route List, page 18-3](#)
- [Adding Route Groups to a Route List, page 18-4](#)
- [Removing Route Groups from a Route List, page 18-6](#)
- [Changing the Order of Route Groups in a Route List, page 18-7](#)
- [Deleting a Route List, page 18-8](#)

Adding a Route List

The following procedure describes how to add a route list.

Procedure

- Step 1** Choose **Route Plan > Route List**.
- Step 2** Click **Add a New Route List**.
- Step 3** In the Route List Name field, enter a name. The name can comprise up to 50 alphanumeric characters and can contain any combination of spaces, periods (.), hyphens (-), and underscore characters (_). Ensure each route list name is unique to the route plan.



Timesaver

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

Cisco CallManager automatically inserts a description in the Description field. You can, however, edit this field.

- Step 4** To add this route list, click **Insert**.
- Step 5** To add a route group to this list, click **Add Route Group** and perform [Step 4](#) through [Step 8](#) of the “Adding Route Groups to a Route List” section on [page 18-4](#).



Note For called party and calling party transformation information, you can click on the **Route Details for Route Groups** link on the left side of the window. This action displays the Route Details Configuration window.

Related Topics

- [Finding Route Lists, page 18-2](#)
- [Adding Route Groups to a Route List, page 18-4](#)
- [Changing the Order of Route Groups in a Route List, page 18-7](#)
- [Removing Route Groups from a Route List, page 18-6](#)
- [Deleting a Route List, page 18-8](#)
- [Understanding Route Plans, Cisco CallManager System Guide](#)

Adding Route Groups to a Route List

You can add route groups to a new route list or to an existing route list. Route groups can exist in one or more route lists. The following procedure describes adding a route group to an existing route list.



Note Cisco CallManager Administration does not allow you to add route groups that contain gateways that are configured with a QSIG protocol type and route groups that contain gateways that are configured with a non-QSIG protocol type to the same route list.

Before You Begin

You must build one or more route groups and add a route list before performing this procedure.

Procedure

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- Step 1** Choose **Route Plan > Route List**.
- Step 2** Locate the route list to which you want to add a route group. See the [“Finding Route Lists” section on page 18-2](#).
- Step 3** Click **Add Route Group**.
- Step 4** From the Select Route Group drop-down list box, choose a route group to add to the list.



Note You cannot add route groups that contain gateways that are configured with a QSIG protocol type (a QSIG route group) and route groups that contain gateways that are configured with a non-QSIG protocol type (a non-QSIG route group) to the same route list. If the route list contains a QSIG route group, only QSIG route groups display in the drop-down list box. If the route group contains a non-QSIG route group, only non-QSIG route groups display in the drop-down list box.

- Step 5** Click **Add**.
- Step 6** If you need to manipulate the calling party number on calls that are routed through this route group, set up the calling party transformations in the appropriate fields.



Note For more information on calling party transformations, see [“Calling Party Transformations Settings” section on page 22-19](#).

- Step 7** If you need to manipulate the dialed digits on calls that are routed through this route group, set up the called party transformations in the appropriate fields.



Note For more information on called party transformations, see [“Called Party Transformations Settings” section on page 22-23](#).

Step 8 To add the route group, click **Insert**.

The route details information appears in the Route Details for Route Groups list on the left side of the window.

Step 9 To add more route groups to this list, click **Add Route Group to the Current Route List** and repeat [Step 4](#) through [Step 8](#).

Related Topics

- [Adding a Route List, page 18-3](#)
- [Removing Route Groups from a Route List, page 18-6](#)
- [Changing the Order of Route Groups in a Route List, page 18-7](#)
- [Deleting a Route List, page 18-8](#)
- [Understanding Route Plans, Cisco CallManager System Guide](#)

Removing Route Groups from a Route List

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

Procedure

Step 1 Choose **Route Plan > Route List** in the menu bar.

Step 2 Locate the route list from which you want to remove a route group. See the [“Finding Route Lists”](#) section on [page 18-2](#).

Step 3 From the Selected Route Groups list, choose one or more route group names.



Note To select multiple route groups from the list, press the **Shift** key and click on the desired route groups.

Step 4 Click **Remove Route Groups**.

A dialog box displays to warn you that you cannot undo the removal of route groups from a route list.

Step 5 To remove the route group, click **OK** or to cancel the action, click **Cancel**. If you click **OK**, when the window refreshes, the route group no longer appears in the route list.

Related Topics

- [Finding Route Lists, page 18-2](#)
- [Adding a Route List, page 18-3](#)
- [Adding Route Groups to a Route List, page 18-4](#)
- [Changing the Order of Route Groups in a Route List, page 18-7](#)
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- [Understanding Route Plans, *Cisco CallManager System Guide*](#)

Changing the Order of Route Groups in a Route List

Cisco CallManager accesses route groups in the order in which they appear in the route list. The following procedure allows you to change the access order of route groups.

Procedure

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

Step 2 Locate the route list in which you want to change the order of a route group. See the [“Finding Route Lists” section on page 18-2](#).

Step 3 From the Selected Route Groups list, choose a route group name.

Step 4 To move the route group up or down in the list, click the up or down arrows on the right side of the list box.

Step 5 Click **Update**.



Note For called party and calling party transformation information, click the **Route Details for <group>** link in the Route Details for Route Groups list. This link takes you to the Route Details Configuration window.

Related Topics

- [Finding Route Lists, page 18-2](#)
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Deleting a Route List

Cisco CallManager associates route lists with both route groups and route patterns; however, deletion of route groups and route patterns does not occur when the route list is deleted.



Tip To delete route groups and route patterns, first delete the route pattern, second, delete the route list, and finally, delete the route group.

The following procedure describes how to delete a route list.

Procedure

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

Step 2 Locate the route list that you want to delete. See the [“Finding Route Lists” section on page 18-2](#).

Step 3 Click **Delete**.

A dialog box displays to warn you that you cannot undo the removal of a route list.

Step 4 To remove the route list, click **OK** or to cancel the action, click **Cancel**.



Caution

A route list cannot be deleted if it is associated with one or more route patterns.

Related Topics

- [Finding Route Lists, page 18-2](#)
- [Adding a Route List, page 18-3](#)
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■ Deleting a Route List