



CHAPTER 63

Dial Plan Installer

You can install a Cisco International Dial Plan and use it to create a unique numbering plan that is specific to a country, other than one in North America. Cisco Unified Communications Manager provides North American Numbering Plan (NANP) by default. Because dial plan requirements of other countries are unique to those countries, the default NANP configuration may not be the best suited configuration to create a dial plan for those countries. Cisco International Dial Plan allows you to create and update unique dial plans and make them available for use to Cisco customers worldwide.

This chapter describes how to install a dial plan on a Cisco Unified Communications Manager server.

Before you install a dial plan on the server, you should download the equivalent dial plan COP (Cisco Option Package) file to the Cisco Unified Communications Manager server.

You can find COP files for all the available dial plans that you can download, install, and integrate with Cisco Unified Communications Manager systems at the following URL:

<http://www.cisco.com/cgi-bin/tablebuild.pl/IDP50>

For details on installing a COP file, see the *Cisco Unified Communications Manager Dial Plan Guide*.

For details on how to install a dial plan from this location, see “[Installing a Dial Plan on Cisco Unified Communications Manager](#)” section on page 63-3.

Use the following procedures to find and install dial plans on Cisco Unified Communications Manager.

- [Finding a Dial Plan, page 63-2](#)
- [Editing a Dial Plan, page 63-3](#)
- [Installing a Dial Plan on Cisco Unified Communications Manager, page 63-3](#)
- [Configuring Route Pattern Details for a non-NANP Dial Plan, page 63-4](#)
- [Upgrading a Dial Plan, page 63-4](#)
- [Uninstalling a Dial Plan, page 63-5](#)
- [Restarting the Cisco CallManager Service, page 63-6](#)
- [Related Topics, page 63-6](#)

Finding a Dial Plan

Use the following procedure to find a dial plan on a Cisco Unified Communications Manager system.

**Note**

During your work in a browser session, cookies on the client machine store your find/list search preferences. If you navigate to other menu items and return to this menu item, or if you close the browser and then open a new browser window, the system retains your Cisco Unified Communications Manager search preferences until you modify your search.

Procedure

Step 1 From the Cisco Unified Communications Manager Administration window, choose **Call Routing > Dial Plan Installer**.

The Find and List Dial Plans window displays.

Step 2 To find all records in the database, ensure the dialog box is empty; go to [Step 3](#).

To filter or search records

- From the first drop-down list box, select a search parameter.
- From the second drop-down list box, select a search pattern.
- Specify the appropriate search text, if applicable.

**Note**

To add additional search criteria, click the + button. When you add criteria, the system searches for a record that matches all criteria that you specify. To remove criteria, click the – button to remove the last added criteria or click the **Clear Filter** button to remove all added search criteria.

Step 3 Click **Find**.

All or matching records display. You can change the number of items that display on each page by choosing a different value from the Rows per Page drop-down list box.

**Note**

You can delete multiple records from the database by checking the check boxes next to the appropriate record and clicking **Delete Selected**. You can delete all configurable records for this selection by clicking **Select All** and then clicking **Delete Selected**.

Step 4 From the list of records that display, click the link for the record that you want to view.

**Note**

To reverse the sort order, click the up or down arrow, if available, in the list header.

The window displays the item that you choose.

Additional Information

See the [“Related Topics”](#) section on page 63-6.

Editing a Dial Plan

Use the following procedures to install, upgrade, or uninstall dial plans.

Procedure

- Step 1** Find the Dial Plan that you want to install by using the procedure defined in the [“Finding a Dial Plan” section on page 63-2](#)
- Step 2** From the list of records, click the Dial Plan name that matches your search criteria.
The Dial Plan Configuration window displays.
- Step 3** Complete one of the following tasks:
- To install a dial plan, see the [“Installing a Dial Plan on Cisco Unified Communications Manager” section on page 63-3](#).
 - To upgrade a dial plan, see the [“Upgrading a Dial Plan” section on page 63-4](#).
 - To uninstall a dial plan, see the [“Uninstalling a Dial Plan” section on page 63-5](#).
-

Additional Information

See the [“Related Topics” section on page 63-6](#).

Installing a Dial Plan on Cisco Unified Communications Manager

Use the following procedure to install a dial plan.

Procedure

- Step 1** Find the Dial Plan that you want to install by using the procedure that is defined in the [“Finding a Dial Plan” section on page 63-2](#).
- Step 2** From the list of records, click the Dial Plan name that matches your search criteria.
The Dial Plan Configuration window displays.
- Step 3** The dial plan name and description display in the Dial Plan and Description fields.
- Step 4** The Installed Version displays the current version that is installed on Cisco Unified Communications Manager server. If no version of the dial plan is installed, the Installed Version displays Not Installed.
- Step 5** Choose the dial plan version that you want to install from the Available Version drop-down list box.
- Step 6** Click **Install**.
The Status displays that the dial plan has been installed.
The Installed Version field displays the dial plan version that is installed on Cisco Unified Communications Manager server.



Note After installation of the dial plans, restart the Cisco CallManager service to load the dial plan.

Additional Information

See the [“Related Topics”](#) section on page 63-6.

Configuring Route Pattern Details for a non-NANP Dial Plan

If you have installed a non-NANP dial plan on your Cisco Unified Communications Manager system, you can choose the required dial plan when you set up route pattern details in the Route Details Configuration window in Cisco Unified Communications Manager.

Note the following points when you configure route pattern details:

1. For a non-NANP dial plan, if you want to retain the settings at the Route Pattern level, make one of the following choices in the Route Details Configuration window:
 - a. Choose None in the Discard Digits field. Choosing None DDI in the Discard Digits field represents the same as not choosing a dial plan.
 - b. Choose a non-NANP dial plan:No Digits in the Discard Digits field. (For Example, AMNP:No Digits.)
2. If you want to specify settings at the Route Group level that will override the Route Pattern settings, choose the appropriate DDI for that dial plan from the Discard Digits field. Examples of DDI: NANP:PreDot, AMNP:PreDot.

Additional Information

See the [“Related Topics”](#) section on page 63-6.

Upgrading a Dial Plan

If you have installed a non-NANP dial plan, you can upgrade the dial plan that is installed on your Cisco Unified Communications Manager system with an upgraded version of the dial plan.

**Caution**

Upgrading a dial plan will fail if you configured one or more tags as a clause for a route filter in the existing version of the dial plan and the upgrade version does not contain these tags. After you upgrade to the new dial plan, the upgrade will list all such tags. You need to disassociate these tags from the route filter and run the dial plan upgrade again on the Cisco Unified Communications Manager system.

**Caution**

Upgrading a dial plan will fail if you have associated one or more DDIs with Route Patterns/Translation Patterns/Route Lists in the existing version of the dial plan and the upgrade version does not contain these DDIs. The dial plan upgrade will list all such DDIs. You need to disassociate these DDIs from Route Patterns/Translation Patterns/Route Lists and run the dial plan upgrade again on the Cisco Unified Communications Manager system.

**Note**

Make sure that you update the dial plans on the first node server of the Cisco Unified Communications Manager cluster before updating them on subscribers or other nodes in the cluster.

Use the following procedure to upgrade an existing dial plan.

Procedure

- Step 1** Find the Dial Plan that you want to upgrade by using the procedure that is defined in the [“Finding a Dial Plan” section on page 63-2](#)
- Step 2** From the list of records, click the Dial Plan name that matches your search criteria.
The Dial Plan Configuration window displays.
- Step 3** The dial plan name and description display in the Dial Plan and Description fields.
- Step 4** The Installed Version displays the current version that is installed on Cisco Unified Communications Manager server. If no version of the dial plan is installed, the Installed Version displays Not Installed.
- Step 5** Choose the dial plan version that you want to upgrade from the Available Version drop-down list box.
- Step 6** Click **Install**.
The Status displays that the dial plan has been upgraded.
The Installed Version field displays the latest dial plan version.



Note After upgrading the dial plans, restart the Cisco CallManager service for the changes to take effect. See the [“Restarting the Cisco CallManager Service” section on page 63-6](#).

Additional Information

See the [“Related Topics” section on page 63-6](#).

Uninstalling a Dial Plan

**Caution**

Before you uninstall a dial plan, ensure that you remove the route patterns, translation patterns, route lists, and route filters that are configured in the dial plan on the Cisco Unified Communications Manager system.

Use the following procedure to uninstall a dial plan.

Procedure

- Step 1** Find the Dial Plan that you want to delete by using the procedure that is defined in the [“Finding a Dial Plan” section on page 63-2](#).
- Step 2** From the list of records, click the Dial Plan name that matches your search criteria.
The Dial Plan Configuration window displays.
- Step 3** The dial plan name and description display in the Dial Plan and Description fields.
- Step 4** The Installed Version displays the current version that is installed on the Cisco Unified Communications Manager server.
- Step 5** Click **Uninstall**.
The Status displays that the dial plan was deleted.

The Installed Version field displays Not Installed.

Additional Information

See the [“Related Topics”](#) section on page 63-6.

Restarting the Cisco CallManager Service

Use the following procedure to restart the Cisco CallManager service.

Procedure

- Step 1** In the Cisco Unified Serviceability window, choose **Tools > Control Center - Feature Services**.
The Control Center–Feature Services window displays.
- Step 2** Choose the Cisco Unified Communications Manager server from the Servers drop-down list box.
In the CM Services area, Cisco CallManager displays in the Service Name column.



Note Click the radio button corresponding to the Cisco CallManager service.

- Step 3** If you want to restart the Cisco CallManager service, click **Restart**.
The service restarts, and the message, Service Successfully Restarted, displays.
- Step 4** If you want to start a stopped Cisco CallManager service, click **Start**.
The service starts, and the message, Service Successfully Started, displays.
-

Additional Information

See the [“Related Topics”](#) section on page 63-6.

Related Topics

- [Finding a Dial Plan, page 63-2](#)
- [Editing a Dial Plan, page 63-3](#)
- [Installing a Dial Plan on Cisco Unified Communications Manager, page 63-3](#)
- [Configuring Route Pattern Details for a non-NANP Dial Plan, page 63-4](#)
- [Upgrading a Dial Plan, page 63-4](#)
- [Uninstalling a Dial Plan, page 63-5](#)
- [Restarting the Cisco CallManager Service, page 63-6](#)
- *Cisco Unified Communications Manager Dial Plan Guide*