



Translation Pattern Configuration

The Cisco CallManager uses translation patterns to manipulate dialed digits before it routes a call. In some cases, the system does not use the dialed number. In other cases, the public switched telephone network (PSTN) does not recognize the dialed number.

Use the following topics to add, update, copy, or delete a translation pattern:

- [Finding a Translation Pattern, page 20-1](#)
- [Adding a Translation Pattern, page 20-4](#)
- [Updating a Translation Pattern, page 20-5](#)
- [Copying a Translation Pattern, page 20-6](#)
- [Deleting a Translation Pattern, page 20-7](#)
- [Translation Pattern Configuration Settings, page 20-8](#)

Finding a Translation Pattern

Because you might have several translation patterns in your network, Cisco CallManager lets you locate specific translation patterns by using specific criteria as the basis. Use the following procedure to locate translation patterns.



Note During your work in a browser session, Cisco CallManager Administration retains your translation pattern search preferences. If you navigate to other menu items and return to this menu item, Cisco CallManager Administration retains your translation pattern search preferences until you modify your search or close the browser.

Procedure

Step 1 Choose **Route Plan > Translation Pattern**.

The Find and List Translation Patterns window displays.

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

- Pattern (to search by translation pattern names)
- Description (to search by translation pattern descriptions)
- Partition



Note The criterion that you choose in this drop-down list box specifies how the list of translation patterns that your search generates will be sorted. For example, if you choose Description, the Description column will display as the left column of the results list.

From the second 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 translation patterns that are registered in the database, click **Find** without entering any search text.

A list of discovered translation patterns displays by

- Translation pattern icon
- Translation Pattern
- Partition
- Description
- Route Filter



Note You can delete multiple translation patterns from the Find and List Translation Patterns window by checking the check boxes next to the appropriate translation patterns and clicking **Delete Selected**. You can delete all the translation patterns in the window by checking the check box in the matching records title bar and clicking **Delete Selected**.

Step 4 From the list of records, click the translation pattern that matches your search criteria.

The Translation Pattern Configuration window displays the translation pattern that you choose.

Related Topics

- [Adding a Translation Pattern, page 20-4](#)
- [Updating a Translation Pattern, page 20-5](#)
- [Copying a Translation Pattern, page 20-6](#)
- [Deleting a Translation Pattern, page 20-7](#)
- [Translation Pattern Configuration Settings, page 20-8](#)

Adding a Translation Pattern

This section describes how to add a translation pattern.

Before You Begin

Configure the following Cisco CallManager items before adding a translation pattern:

- Partition
- Route filter
- Calling search space

Procedure

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- Step 1** Choose **Route Plan > Translation Pattern**.
 - Step 2** Click **Add a New Translation Pattern**.
 - Step 3** Enter the appropriate configuration settings as described in [Table 20-1](#).
 - Step 4** Click **Insert**.
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Related Topics

- [Finding a Translation Pattern, page 20-1](#)
- [Updating a Translation Pattern, page 20-5](#)
- [Copying a Translation Pattern, page 20-6](#)
- [Deleting a Translation Pattern, page 20-7](#)
- [Translation Pattern Configuration Settings, page 20-8](#)

Updating a Translation Pattern

This section describes how to update a translation pattern.

Procedure

- Step 1** Choose **Route Plan > Translation Pattern**.
- Step 2** Locate the translation pattern that you want to update. See the [“Finding a Translation Pattern”](#) section on page 20-1.
- Step 3** Update the appropriate settings as described in the [“Translation Pattern Configuration Settings”](#) section on page 20-8.



Note Ensure that the translation pattern, that uses the selected partition, route filter, and numbering plan combination, is unique. Check the route pattern, translation pattern, directory number, call park number, call pickup number, or Meet-Me number configuration windows if you receive an error that indicates duplicate entries.

- Step 4** Click **Update**.
- The window displays the updated translation pattern.
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Related Topics

- [Finding a Translation Pattern, page 20-1](#)
- [Adding a Translation Pattern, page 20-4](#)
- [Copying a Translation Pattern, page 20-6](#)
- [Deleting a Translation Pattern, page 20-7](#)
- [Translation Pattern Configuration Settings, page 20-8](#)

Copying a Translation Pattern

This section describes how to copy a translation pattern.

Procedure

- Step 1** Choose **Route Plan > Translation Pattern**.
- Step 2** Locate the route pattern that you want to copy. See the “[Finding a Translation Pattern](#)” section on page 20-1.
- Step 3** Check the check box next to the translation pattern that you want to copy.
- Step 4** Click the **Copy** icon of that translation pattern.
The window displays the copy of the translation pattern.
- Step 5** Update the appropriate settings as described in [Table 20-1](#).
- Step 6** Click **Insert** to add the new route pattern.
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Related Topics

- [Finding a Translation Pattern](#), page 20-1
- [Adding a Translation Pattern](#), page 20-4
- [Updating a Translation Pattern](#), page 20-5
- [Deleting a Translation Pattern](#), page 20-7
- [Translation Pattern Configuration Settings](#), page 20-8
- [Understanding Route Plans](#), *Cisco CallManager System Guide*

Deleting a Translation Pattern

This section describes how to delete a translation pattern.

Procedure

- Step 1** Choose **Route Plan > Translation Pattern**.
- Step 2** Locate the translation pattern that you want to delete. See the [“Finding a Translation Pattern” section on page 20-1](#).
- Step 3** Check the check box of the translation pattern that you want to delete and click **Delete Selected**.
- A message displays that states that you cannot undo this action.
- Step 4** To delete the translation pattern, click **OK** or to cancel the deletion, click **Cancel**.



Caution

Check carefully to ensure that you are deleting the correct translation pattern before you initiate this action. You cannot retrieve deleted translation patterns. If a translation pattern is accidentally deleted, you must rebuild it.



Tip

You can also delete a translation pattern by locating and displaying the translation pattern that you want to delete and clicking **Delete**.

Related Topics

- [Finding a Translation Pattern, page 20-1](#)
- [Adding a Translation Pattern, page 20-4](#)
- [Updating a Translation Pattern, page 20-5](#)
- [Copying a Translation Pattern, page 20-6](#)
- [Translation Pattern Configuration Settings, page 20-8](#)

Translation Pattern Configuration Settings

Table 20-1 describes the available fields in the Translation Pattern Configuration window.

Table 20-1 Translation Pattern Configuration Settings

Field	Description
Pattern Definition	
Translation Pattern	<p>Enter the translation pattern, including numbers and wildcards (do not use spaces), in the Translation Pattern field. For example, for the NANP, enter 9.@ for typical local access or 8XXX for a typical private network numbering plan. If you leave this field blank, you must select a partition from the Partition drop-down list box.</p> <p>Note Ensure that the translation pattern, that uses the chosen partition, route filter, and numbering plan combination, is unique. Check the route pattern, translation pattern, directory number, call park number, call pickup number, or meet-me number if you receive an error that indicates duplicate entries. Alternatively, check the route plan report if you receive an error that indicates duplicate entries.</p>

Table 20-1 Translation Pattern Configuration Settings (continued)

Field	Description
Partition	<p>Choose a partition. If you do not want to assign a partition, choose <None>. If you choose <None>, you must enter a value in the Translation Pattern field.</p> <p>If more than 250 partitions exist, the ellipsis (...) button displays next to the drop-down list box. Click the ... button to display the Select Partition window. Enter a partial partition name in the List items where Name contains field. Click the desired partition name in the list of partitions that displays in the Select item to use box, and click OK.</p> <p>Note To set the maximum list box items, choose System > Enterprise Parameters and choose CCMAdmin Parameters.</p> <p>Note Make sure that the combination of translation pattern, route filter, and partition is unique within the Cisco CallManager cluster.</p>
Description	Enter a description for the translation pattern.
Numbering Plan	Choose a numbering plan.

Table 20-1 Translation Pattern Configuration Settings (continued)

Field	Description
Route Filter	<p>Choosing an optional route filter restricts certain number patterns. See the “Route Pattern Wildcards and Special Characters” section on page 22-1 and the “Route Filter Configuration” section on page 16-1 for more information.</p> <p>The route filters that display depend on the numbering plan you choose from the Numbering Plan drop-down list box.</p> <p>If more than 250 route filters exist, the ellipsis button (...) displays next to the drop-down list box. Click the ... button to display the Select Route Filters window. Enter a partial route filter name in the List items where Name contains field. Click the desired route filter name in the list of route filters that displays in the Select item to use box and click OK.</p> <p>Note To set the maximum list box items, choose System > Enterprise Parameters and choose CCMAdmin Parameters.</p>
Calling Search Space	Choose the calling search space for which you are adding a translation pattern, if necessary.
Route Option	The Route Option designation indicates whether you want this translation pattern to be used for routing calls (such as 9.@ or 8[2-9]XX) or for blocking calls. Choose “Route this pattern” or “Block this pattern” radio button.
Provide Outside Dial Tone	Check the check box if appropriate.
Urgent Priority	Cisco CallManager sets all translation patterns with urgent priority, and you cannot change the priority of the translation patterns.
Calling Party Transformations	
Use Calling Party’s External Phone Number Mask	Check the check box if you want the full, external phone number to be used for calling line ID (CLID) on outgoing calls.

Table 20-1 Translation Pattern Configuration Settings (continued)

Field	Description
Calling Party Transform Mask	Enter a transformation mask value. Valid entries for the NANP include the digits 0 through 9; the wildcard characters X, asterisk (*), and octothorpe (#); and blank. If this field is blank and the preceding field is not checked, no calling party transformation takes place. See the “Adding a Route List” section on page 18-3 for more detailed information.
Prefix Digits (Outgoing Calls)	Enter prefix digits. Valid entries for the NANP include the digits 0 through 9, #, *, and blank. Note The appended prefix digit does not affect which directory numbers route to the assigned device.
Calling Party Presentation	Choose whether Cisco CallManager transmits or blocks caller ID. Choose <i>Default</i> if you do not want to change calling party presentation. Choose <i>Allowed</i> if you want Cisco CallManager to send caller ID. Choose <i>Restricted</i> if you do not want Cisco CallManager to send caller ID. For more information about this field, see Table 22-4 in the “Calling Party Transformations Settings” section on page 22-19
Called Party Transformations	
Discard Digits	Choose the discard digits instructions that you want to be associated with this route pattern. See the “Discard Digits Instructions” section on page 22-5 for more information. Note The discard digits that display depend on the numbering plan you choose from the Numbering Plan drop-down list box.

Table 20-1 Translation Pattern Configuration Settings (continued)

Field	Description
Called Party Transform Mask	Enter a transformation mask value. Valid entries for the NANP include the digits 0 through 9; the wildcard characters X, asterisk (*), and octothorpe (#); and blank. If the field is blank, no transformation takes place. The dialed digits get sent exactly as dialed.
Prefix Digits (Outgoing Calls)	Enter prefix digits. Valid entries for the NANP include the digits 0 through 9, #, *, and blank. Note The appended prefix digit does not affect which directory numbers route to the assigned device.

Related Topics

- [Finding a Translation Pattern, page 20-1](#)
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