



## Translation Pattern Configuration

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The Cisco CallManager uses translation patterns to manipulate dialed digits before routing 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.

Refer to [Understanding Route Plans](#) in the *Cisco CallManager Administration Guide* for more detailed translation pattern information.

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

- [Finding a Translation Pattern, page 18-1](#)
- [Adding a Translation Pattern, page 18-3](#)
- [Updating a Translation Pattern, page 18-4](#)
- [Copying a Translation Pattern, page 18-5](#)
- [Deleting a Translation Pattern, page 18-6](#)
- [Translation Pattern Configuration Settings, page 18-7](#)

### Finding a Translation Pattern

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

## Procedure

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

The Find and List Translation Patterns pane 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 translation patterns registered in the database, click **Find** without entering any search text.

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A list of discovered translation patterns displays by:

- Translation pattern
- Partition
- Route filter



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

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**Step 4** Click the translation pattern from the list of records that matches your search criteria.

The pane displays the translation pattern you choose.

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**Related Topics**

- [Adding a Translation Pattern, page 18-3](#)
- [Updating a Translation Pattern, page 18-4](#)
- [Copying a Translation Pattern, page 18-5](#)
- [Deleting a Translation Pattern, page 18-6](#)
- [Translation Pattern Configuration Settings, page 18-7](#)

# 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 18-1](#).
  - Step 4** Click **Insert**.
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**Related Topics**

- [Finding a Translation Pattern, page 18-1](#)
- [Updating a Translation Pattern, page 18-4](#)
- [Copying a Translation Pattern, page 18-5](#)

- [Deleting a Translation Pattern, page 18-6](#)
- [Translation Pattern Configuration Settings, page 18-7](#)

## Updating a Translation Pattern

This section describes how to update a translation pattern.

### Procedure

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- Step 1** Choose **Route Plan > Translation Pattern**.
- Step 2** Locate the translation pattern you want to update. See the [“Finding a Translation Pattern” section on page 18-1](#).
- Step 3** Update the appropriate settings as described in the [“Translation Pattern Configuration Settings” section on page 18-7](#).



**Note** Ensure the route pattern, using 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 panes if you receive an error indicating duplicate entries.

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- Step 4** Click **Update**.

The pane displays the updated translation pattern and displays “Status: Update Completed.”

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### Related Topics

- [Finding a Translation Pattern, page 18-1](#)
- [Adding a Translation Pattern, page 18-3](#)
- [Copying a Translation Pattern, page 18-5](#)
- [Deleting a Translation Pattern, page 18-6](#)
- [Translation Pattern Configuration Settings, page 18-7](#)

# Copying a Translation Pattern

This section describes how to copy a translation pattern.

## Procedure

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- Step 1** Choose **Route Plan > Translation Pattern**.
- Step 2** Locate the route pattern you want to copy. See the [“Finding a Translation Pattern” section on page 18-1](#).
- Step 3** Check the check box next to the translation pattern you want to copy.
- Step 4** Click the **Copy** icon of that translation pattern.  
The pane displays the copy of the translation pattern.
- Step 5** Update the appropriate settings as described in [Table 18-1](#).
- Step 6** Click **Insert** to add the new route pattern.
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## Related Topics

- [Finding a Translation Pattern, page 18-1](#)
- [Adding a Translation Pattern, page 18-3](#)
- [Updating a Translation Pattern, page 18-4](#)
- [Deleting a Translation Pattern, page 18-6](#)
- [Translation Pattern Configuration Settings, page 18-7](#)
- [Understanding Route Plans, Cisco CallManager System Guide](#)

# Deleting a Translation Pattern

This section describes how to delete a translation pattern.

## Procedure

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- Step 1** Choose **Route Plan > Translation Pattern**.
- Step 2** Locate the translation pattern you want to delete. See the [“Finding a Translation Pattern” section on page 18-1](#).
- Step 3** Check the check box of the translation pattern you want to delete and click **Delete Selected**.

A message displays, stating that you cannot undo this action.

- Step 4** Click **OK** to delete the translation pattern or **Cancel** to cancel the deletion.



### Caution

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

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### Tips

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

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## Related Topics

- [Finding a Translation Pattern, page 18-1](#)
- [Adding a Translation Pattern, page 18-3](#)
- [Updating a Translation Pattern, page 18-4](#)
- [Copying a Translation Pattern, page 18-5](#)
- [Translation Pattern Configuration Settings, page 18-7](#)

# Translation Pattern Configuration Settings

Table 18-1 describes the available fields on the Translation Pattern Configuration pane.

**Table 18-1 Translation Pattern Configuration Settings**

Field	Description
Translation Pattern	<p>Enter the translation pattern, including numbers and wildcards (do not use spaces) in the Translation Pattern field. For example, enter 9.@ for typical local access or 8XXX for a typical private network numbering plan.</p> <p><b>Note</b> Ensure the translation pattern, using 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 indicating duplicate entries.</p>
Partition	Choose a partition. If you do not want to assign a partition, choose “None.”
Numbering Plan	Choose a numbering plan.
Route Filter	Choosing an optional route filter restricts certain number patterns. Refer to the <a href="#">“Route Pattern Wildcards and Special Characters”</a> section on page 20-1 and the <a href="#">“Route Filter Configuration”</a> section on page 14-1 for more information.
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 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.

**Table 18-1 Translation Pattern Configuration Settings (continued)**

Field	Description
Urgent Priority	Cisco CallManager sets all translation patterns with urgent priority, and you cannot change the priority of the translation patterns.
Use Calling Party's External Phone Number Mask	Check the check box if you want the full, external phone number used for calling line ID (CLID) on outgoing calls.
Calling Party Transform Mask	Enter a transformation mask value. Valid entries include the digits 0 through 9, the wildcard character X, and blank. If this field is blank and the preceding field is not checked, no calling party transformation takes place. See the <a href="#">“Adding a Route List” section on page 16-3</a> for more detailed information.
Discard Digits	Choose the discard digits instructions you want associated with this route pattern. Refer to the <a href="#">“Discard Digits Instructions” section on page 20-5</a> for more information.
Called Party Transform Mask	Enter a transformation mask value. Valid entries include the digits 0 through 9, the wildcard character X, and blank. If the field is blank, no transformation takes place. The dialed digits are sent exactly as dialed.
Prefix Digits (Outgoing Calls)	Enter prefix digits . Valid entries include the digits 0 through 9, #, *, and blank.  <b>Note</b> The appended prefix digit does not affect which directory numbers route to the assigned device.

**Related Topics**

- [Finding a Translation Pattern, page 18-1](#)
- [Adding a Translation Pattern, page 18-3](#)
- [Updating a Translation Pattern, page 18-4](#)
- [Copying a Translation Pattern, page 18-5](#)
- [Deleting a Translation Pattern, page 18-6](#)