



Translation Pattern

The Cisco CallManager uses translation patterns to manipulate dialed digits before routing a call. In some cases, the dialed number is not the number that is used by the system. In other cases, the dialed number is not a number that is recognized by the Public Switched Telephone Network (PSTN).

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

- Adding a Translation Pattern, page 24-2
- Updating a Translation Pattern, page 24-3
- Copying a Translation Pattern, page 24-4
- Deleting a Translation Pattern, page 24-5

Understanding Translation Patterns

Digit manipulation and translation patterns are used frequently in cross-geographical distributed systems where, for instance, the office codes are not the same at all locations. In these situations, a uniform dialing plan can be created, and translation patterns can be applied to accommodate the unique office codes at each location.

Additional Information

The following list contains additional information related to this section:

- Understanding Route Plans, page 5-1
- Understanding Route Pattern Wildcards and Special Characters, page 5-7

- Understanding Closest-Match Routing, page 5-11
- Understanding Discard Digits Instructions, page 5-12

Adding a Translation Pattern

This section describes how to add a translation pattern.

Procedure

- Step 1** Open Cisco CallManager Administration.
- Step 2** Select **Route Plan > Translation Pattern**.
- Step 3** Enter the translation pattern, including numbers and wildcards (do not use spaces) in the Translation Pattern field. For example, 9.@ for typical local access, or 8XXX for a typical private network numbering plan.
- Step 4** Select a partition from the Partition drop-down list box. Select None if you don't want to assign a partition.
- Step 5** Select a numbering plan from the Numbering Plan drop-down list box.
- Step 6** If your translation pattern includes the @ wildcard, select a route filter from the Route Filter drop-down list box. Selecting a route filter restricts certain number patterns. Route filters are optional.
- Step 7** Select the gateway or route list for which you are adding a translation pattern from the Gateway/Route List drop-down list box.
- Step 8** The Route Option designation indicates if you want this translation pattern used for routing calls (such as 9.@ or 8[2-9]XX) or blocking calls. Select "Route this pattern" or "Block this pattern" in the Route Option fields.
- Step 9** Check the boxes for Provide Outside Dial Tone and Urgent Priority accordingly.
- Step 10** Check the box for Use Calling Party's External Phone Number Mask if you want the full, external phone number used for CLID on outgoing calls.
- Step 11** Enter a transformation mask value in the Calling Party Transform Mask field. 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.

- Step 12** Select the discard digits instructions you want associated with this translation pattern from the Discard Digits drop-down list box.
- Step 13** Enter a transformation mask value in the Called Party Transform Mask field. 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.
- Step 14** Enter prefix digits in the Prefix Digits (Outgoing Calls) field. Valid entries include the digits 0 through 9, #, *, and blank.



Note The appended prefix digit does not affect which directory numbers route to the assigned device.

- Step 15** Click **Insert**. The translation pattern appears in the list on the left side of the page.
- Step 16** Click **New** and repeat Steps 1 through 15 to add more translation patterns.
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Related Procedures

The following list contains other related procedures:

- Updating a Translation Pattern, page 24-3
- Copying a Translation Pattern, page 24-4
- Deleting a Translation Pattern, page 24-5

Updating a Translation Pattern

This section describes how to update a translation pattern.

Procedure

- Step 1** Open Cisco CallManager Administration.
- Step 2** Click **Route Plan > Translation Pattern**.
- Step 3** Select the translation pattern you want to update from the Translation Pattern list on the left side of the page.

- Step 4** Make the desired changes to the translation pattern and click **Update**. The page displays the updated translation pattern.
- Step 5** Repeat Steps 3 and 4 to update more translation patterns.
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Related Procedures

The following list contains other related procedures:

- Adding a Translation Pattern, page 24-2
- Copying a Translation Pattern, page 24-4
- Deleting a Translation Pattern, page 24-5

Copying a Translation Pattern

This section describes how to copy a translation pattern.

Procedure

- Step 1** Open Cisco CallManager Administration.
- Step 2** Click **Route Plan > Translation Pattern**.
- Step 3** Select the translation pattern you want to update from the Translation Pattern list on the left side of the page.
- Step 4** Click **Copy**. The page displays the translation pattern with a Copy of... name in the Translation Pattern field.
- Step 5** Enter the name for this translation pattern in the Translation Pattern field.
- Step 6** Make appropriate changes to customize the new translation pattern and click **Insert**. The new translation pattern appears in the translation pattern list on the left side of the page.
- Step 7** To build another translation pattern that is similar to the current translation pattern, click **Copy**, enter a new translation pattern name, and repeat Steps 3 through 6.
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Additional Information

The following list contains additional information related to this procedure:

- Understanding Route Plans, page 5-1
- Understanding Translation Patterns, page 24-1

Related Procedures

The following list contains other related procedures:

- Adding a Translation Pattern, page 24-2
- Updating a Translation Pattern, page 24-3
- Deleting a Translation Pattern, page 24-5

Deleting a Translation Pattern

This section describes how to delete a translation pattern.

Procedure

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- Step 1** Open Cisco CallManager Administration.
 - Step 2** Click **Route Plan > Translation Pattern**.
 - Step 3** Select the translation pattern you want to update from the Translation Pattern list on the left side of the page.
 - Step 4** Click **Delete**. A message displays stating that you are about to delete the selected translation pattern and that this action cannot be undone.
 - Step 5** Click **OK** to continue, or **Cancel** to cancel the deletion.
 - Step 6** Repeat Steps 3 through 5 to delete more translation patterns.
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Related Procedures

The following list contains other related procedures:

- Adding a Translation Pattern, page 24-2
- Updating a Translation Pattern, page 24-3
- Copying a Translation Pattern, page 24-4