



## Configuring Normalization Policies

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- [Working With URI Parameters for SIP Headers](#)
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## Viewing List of Normalization Policies

### Procedure

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- Step 1** Choose **Configure > Normalization Policies**.
- The system displays the Normalization Policies page, containing the fields described in Table 15.
- Step 2** To delete a normalization policy, do the following:
- Check the check box next to the name of the normalization policy to delete.
  - Click **Remove**.
  - In the Cisco Unified SIP Proxy header, click **Commit Candidate Configuration** to commit this change.
- Step 3** To revert any changes you have made back to the state they were in at the time of the last commit, do the following:
- Check the check box next to the name of the normalization policy that has the changes to revert back to.
  - Click **Revert**.

- c. In the Cisco Unified SIP Proxy header, click Commit Candidate Configuration to commit this change.

### About Normalization Policies

Normalization policies modify SIP messages to account for incompatibilities between networks.

### Normalization Policy Fields

Table 15 lists the fields on the Normalization Policies page.

**Table 15** Normalization Policy Parameters

Parameter	Description
State	Can be one of the following: <ul style="list-style-type: none"> <li>New—New record. Will be added to the active configuration when it is committed.</li> <li>Modified—Modified record. Will become the active configuration when it is committed.</li> <li>Deleted—Deleted record. Will be removed from the active configuration when it is committed.</li> <li>Active—Active record and active configuration.</li> </ul>
Name	Name of this normalization policy.

### Request URI, URI Component Fields

Table 16 lists the fields on the Normalization Policy '<name of normalization policy>' page when the Request URI and URI Component tabs are displayed.

**Table 16** Request URI, URI Component Fields

Parameter	Description
Category	There are five boxes on this page, one for each of the following: <ul style="list-style-type: none"> <li>User—Specifies the normalization policy to apply to the user URI component.</li> <li>Phone—Specifies the normalization policy to apply to the phone URI component.</li> <li>Host—Specifies the normalization policy to apply to the host URI component.</li> <li>Host and Port—Specifies the normalization policy to apply to the host-port URI component.</li> <li>URI—Specifies the normalization policy to apply to the full URI.</li> </ul> For each box, enter the match pattern and replace value.
Match Pattern	Specifies the regular expression string in the URI component that is matched. If you enter <b>all</b> , the full header is replaced.
Replace Value	Specifies the regular expression string in the URI component that replaces the matched string.

**Request URI, URI Conversion Fields**

Table 17 lists the fields on the Normalization Policy ‘<name of normalization policy>’ page when the Request URI and URI Conversion tabs are displayed.

**Table 17** Request URI, URI Conversion Fields

Parameter	Description
<b>SIP URI to TEL URI Conversion</b>	
Conversion	Whether this conversion is enabled or disabled. The default is disabled.
<b>TEL URI to SIP URI Conversion</b>	
Conversion	Whether this conversion is enabled or disabled. The default is disabled.
Host	Specifies the host of the URI.
Port	Specifies the port of the URI.

**Request URI, URI Parameter Fields**

Table 18 lists the fields on the Normalization Policy ‘<name of normalization policy>’ page when the Request URI and URI Parameter tabs are displayed.

**Table 18** Request URI, URI Parameter Fields

Parameter	Description
<b>Add URI Parameters</b>	
State	Can be one of the following: <ul style="list-style-type: none"> <li>• New—New record. Will be added to the active configuration when it is committed.</li> <li>• Modified—Modified record. Will become the active configuration when it is committed.</li> <li>• Deleted—Deleted record. Will be removed from the active configuration when it is committed.</li> <li>• Active—Active record and active configuration.</li> </ul>
Name	Specifies the URI parameter name to which the normalization rule applies.
Value	Specifies the value to be added to the URI parameter.

**Table 18** Request URI, URI Parameter Fields (continued)

Parameter	Description
<b>Remove URI Parameters</b>	
State	Can be one of the following: <ul style="list-style-type: none"> <li>• New—New record. Will be added to the active configuration when it is committed.</li> <li>• Modified—Modified record. Will become the active configuration when it is committed.</li> <li>• Deleted—Deleted record. Will be removed from the active configuration when it is committed.</li> <li>• Active—Active record and active configuration.</li> </ul>
Name	Specifies the URI parameter name.
<b>Update URI Parameters</b>	
State	Can be one of the following: <ul style="list-style-type: none"> <li>• New—New record. Will be added to the active configuration when it is committed.</li> <li>• Modified—Modified record. Will become the active configuration when it is committed.</li> <li>• Deleted—Deleted record. Will be removed from the active configuration when it is committed.</li> <li>• Active—Active record and active configuration.</li> </ul>
Name	Specifies the header parameter name.
Match Pattern	Specifies the regular expression string in the URI parameter that is matched. If you enter <b>all</b> , the full header is replaced.
Replace Value	Specifies the regular expression string in the URI parameter that replaces the matched string.

**SIP Headers Fields**

Table 19 lists the fields on the Normalization Policy ‘<name of normalization policy>’ page when the SIP Header tabs are displayed.

**Table 19 SIP Header Parameter Fields**

Parameter	Description
<b>Add SIP Headers</b>	
State	Can be one of the following: <ul style="list-style-type: none"> <li>• New—New record. Will be added to the active configuration when it is committed.</li> <li>• Modified—Modified record. Will become the active configuration when it is committed.</li> <li>• Deleted—Deleted record. Will be removed from the active configuration when it is committed.</li> <li>• Active—Active record and active configuration.</li> </ul>
SIP Header Name	Specifies the SIP message header for which the normalization step is applicable. Examples include: From, To, Record-Route, Diversion, Request-URI, and P-Asserted-Identity.
SIP Header Instances	The SIP header instances to be added.
<b>Remove SIP Headers</b>	
State	Can be one of the following: <ul style="list-style-type: none"> <li>• New—New record. Will be added to the active configuration when it is committed.</li> <li>• Modified—Modified record. Will become the active configuration when it is committed.</li> <li>• Deleted—Deleted record. Will be removed from the active configuration when it is committed.</li> <li>• Active—Active record and active configuration.</li> </ul>
SIP Header Name	Specifies the SIP message header for which the normalization step is applicable. Examples include: From, To, Record-Route, Diversion, Request-URI, and P-Asserted-Identity.
Total Number of Header Instances	Total number of SIP header instances to be removed.
<b>Update SIP Headers</b>	
State	Can be one of the following: <ul style="list-style-type: none"> <li>• New—New record. Will be added to the active configuration when it is committed.</li> <li>• Modified—Modified record. Will become the active configuration when it is committed.</li> <li>• Deleted—Deleted record. Will be removed from the active configuration when it is committed.</li> <li>• Active—Active record and active configuration.</li> </ul>
SIP Header Name	Specifies the SIP message header for which the normalization step is applicable. Examples include: From, To, Record-Route, Diversion, Request-URI, and P-Asserted-Identity.

**Table 19** SIP Header Parameter Fields (continued)

Parameter	Description
SIP Header Index	Can be one of the following: <ul style="list-style-type: none"> <li>• first—Specifies that if there are multiple occurrences of a given header parameter, this normalization step is applied only to the first occurrence.</li> <li>• last—Specifies that if there are multiple occurrences of a given header parameter, this normalization step is applied only to the last occurrence.</li> <li>• all—Specifies that if there are multiple occurrences of a given header parameter, this normalization step is applied to all occurrences.</li> </ul>
Match Pattern	Specifies the regular expression string in the header parameter that is matched. If you enter <b>all</b> , the full header is replaced.
Replace Value	Specifies the regular expression string in the header parameter that replaces the matched string.

**SIP Header, URI Component Fields**

Table 20 lists the fields on the Normalization Policy ‘<name of normalization policy>’ page when the SIP Header and URI Component tabs are displayed.

**Table 20** SIP Header, URI Component Fields

Parameter	Description
State	Can be one of the following: <ul style="list-style-type: none"> <li>• New—New record. Will be added to the active configuration when it is committed.</li> <li>• Modified—Modified record. Will become the active configuration when it is committed.</li> <li>• Deleted—Deleted record. Will be removed from the active configuration when it is committed.</li> <li>• Active—Active record and active configuration.</li> </ul>
SIP Header Name	Specifies the SIP message header for which the normalization step is applicable. Examples include: From, To, Record-Route, Diversion, Request-URI, and P-Asserted-Identity.
SIP Header Index	Can be one of the following: <ul style="list-style-type: none"> <li>• first—Specifies that if there are multiple occurrences of a given URI component, apply this normalization step only to the first occurrence.</li> <li>• last—Specifies that if there are multiple occurrences of a given URI component, apply this normalization step only to the last occurrence.</li> <li>• all—Specifies that if there are multiple occurrences of a given URI component, apply this normalization step to all occurrences.</li> </ul>

**Table 20** *SIP Header, URI Component Fields (continued)*

Parameter	Description
URI Component Type	Can be one of the following: <ul style="list-style-type: none"> <li>• URI—Specifies the lookup policy to apply to the full URI.</li> <li>• User (default)—Specifies the lookup policy to apply to the user URI component.</li> <li>• Phone—Specifies the lookup policy to apply to the phone URI component.</li> <li>• Host—Specifies the lookup policy to apply to the host URI component.</li> <li>• Host-Port—Specifies the lookup policy to apply to the host-port URI component.</li> </ul>
Match Pattern	Specifies the regular expression string in the URI component that is matched. If you enter <b>all</b> , the full header is replaced.
Replace Value	Specifies the regular expression string in the URI component that replaces the matched string.

**SIP Header, URI Conversion Fields**

Table 21 lists the fields on the Normalization Policy ‘<name of normalization policy>’ page when the SIP Header and URI Conversion tabs are displayed.

**Table 21** *SIP Header, URI Conversion Fields*

Parameter	Description
<b>TEL URI to SIP URI Conversions</b>	
State	Can be one of the following: <ul style="list-style-type: none"> <li>• New—New record. Will be added to the active configuration when it is committed.</li> <li>• Modified—Modified record. Will become the active configuration when it is committed.</li> <li>• Deleted—Deleted record. Will be removed from the active configuration when it is committed.</li> <li>• Active—Active record and active configuration.</li> </ul>
SIP Header Name	Specifies the SIP message header for which the normalization step is applicable. Examples include: From, To, Record-Route, Diversion, Request-URI, and P-Asserted-Identity.

**Table 21** *SIP Header, URI Conversion Fields (continued)*

Parameter	Description
SIP Header Index	Can be one of the following: <ul style="list-style-type: none"> <li>• first—Specifies that if there are multiple occurrences of a given TEL URI, apply this normalization step only to the first occurrence.</li> <li>• last—Specifies that if there are multiple occurrences of a given TEL URI, apply this normalization step only to the last occurrence.</li> <li>• all—Specifies that if there are multiple occurrences of a given TEL URI, apply this normalization step to all occurrences.</li> </ul>
Host	Specifies the host of the URI.
Port	Specifies the port of the URI.
<b>SIP URI to TEL URI Conversions</b>	
State	Can be one of the following: <ul style="list-style-type: none"> <li>• New—New record. Will be added to the active configuration when it is committed.</li> <li>• Modified—Modified record. Will become the active configuration when it is committed.</li> <li>• Deleted—Deleted record. Will be removed from the active configuration when it is committed.</li> <li>• Active—Active record and active configuration.</li> </ul>
SIP Header Name	Specifies the SIP message header for which the normalization step is applicable. Examples include: From, To, Record-Route, Diversion, Request-URI, and P-Asserted-Identity.
SIP Header Index	Can be one of the following: <ul style="list-style-type: none"> <li>• first—Specifies that if there are multiple occurrences of a specific SIP URI, apply this normalization step only to the first occurrence.</li> <li>• last—Specifies that if there are multiple occurrences of a specific SIP URI, apply this normalization step only to the last occurrence.</li> <li>• all—Specifies that if there are multiple occurrences of a specific SIP URI, apply this normalization step to all occurrences.</li> </ul>

**SIP Header, URI Parameter Fields**

[Table 22](#) lists the fields on the Normalization Policy ‘<name of normalization policy>’ page when the SIP Header and URI Parameter tabs are displayed.



**Table 22** *SIP Header, URI Parameter Fields*

Parameter	Description
<b>Add URI Parameters</b>	
State	Can be one of the following: <ul style="list-style-type: none"> <li>• New—New record. Will be added to the active configuration when it is committed.</li> <li>• Modified—Modified record. Will become the active configuration when it is committed.</li> <li>• Deleted—Deleted record. Will be removed from the active configuration when it is committed.</li> <li>• Active—Active record and active configuration.</li> </ul>
SIP Header Name	Specifies the SIP message header for which the normalization step is applicable. Examples include: From, To, Record-Route, Diversion, Request-URI, and P-Asserted-Identity.
SIP Header Index	Can be one of the following: <ul style="list-style-type: none"> <li>• first—Specifies that if there are multiple occurrences of a given URI parameter, apply this normalization step only to the first occurrence.</li> <li>• last—Specifies that if there are multiple occurrences of a given URI parameter, apply this normalization step only to the last occurrence.</li> <li>• all—Specifies that if there are multiple occurrences of a given URI parameter, apply this normalization step to all occurrences.</li> </ul>
Parameter Name	Specifies the URI parameter name to which the normalization rule applies.
Value	Specifies the value to be added.
<b>Remove URI Parameters</b>	
State	Can be one of the following: <ul style="list-style-type: none"> <li>• New—New record. Will be added to the active configuration when it is committed.</li> <li>• Modified—Modified record. Will become the active configuration when it is committed.</li> <li>• Deleted—Deleted record. Will be removed from the active configuration when it is committed.</li> <li>• Active—Active record and active configuration.</li> </ul>
SIP Header Name	Specifies the SIP message header for which the normalization step is applicable. Examples include: From, To, Record-Route, Diversion, Request-URI, and P-Asserted-Identity.

Table 22 SIP Header, URI Parameter Fields (continued)

Parameter	Description
SIP Header Index	Can be one of the following: <ul style="list-style-type: none"> <li>• first—Specifies that if there are multiple occurrences of a given URI parameter, apply this normalization step only to the first occurrence.</li> <li>• last—Specifies that if there are multiple occurrences of a given URI parameter, apply this normalization step only to the last occurrence.</li> <li>• all—Specifies that if there are multiple occurrences of a given URI parameter, apply this normalization step to all occurrences.</li> </ul>
Parameter Name	Specifies the URI parameter name.
<b>Update URI Parameters</b>	
State	Can be one of the following: <ul style="list-style-type: none"> <li>• New—New record. Will be added to the active configuration when it is committed.</li> <li>• Modified—Modified record. Will become the active configuration when it is committed.</li> <li>• Deleted—Deleted record. Will be removed from the active configuration when it is committed.</li> <li>• Active—Active record and active configuration.</li> </ul>
SIP Header Name	Specifies the SIP message header for which the normalization step is applicable. Examples include: From, To, Record-Route, Diversion, Request-URI, and P-Asserted-Identity.
SIP Header Index	Can be one of the following: <ul style="list-style-type: none"> <li>• first—Specifies that if there are multiple occurrences of a given URI parameter, apply this normalization step only to the first occurrence.</li> <li>• last—Specifies that if there are multiple occurrences of a given URI parameter, apply this normalization step only to the last occurrence.</li> <li>• all—Specifies that if there are multiple occurrences of a given URI parameter, apply this normalization step to all occurrences.</li> </ul>
Parameter Name	Specifies the header parameter name.
Match Pattern	Specifies the regular expression string in the URI parameter that is matched. If you enter <b>all</b> , the full header is replaced.
Replace Value	Specifies the regular expression string in the URI parameter that replaces the matched string.

**SIP Header, Header Parameter Fields**

Table 23 lists the fields on the Normalization Policy '<name of normalization policy>' page when the SIP Header and Header Parameter tabs are displayed.

**Table 23** *SIP Header, Header Parameter Fields*

Parameter	Description
<b>Add Header Parameters</b>	
State	Can be one of the following: <ul style="list-style-type: none"> <li>• New—New record. Will be added to the active configuration when it is committed.</li> <li>• Modified—Modified record. Will become the active configuration when it is committed.</li> <li>• Deleted—Deleted record. Will be removed from the active configuration when it is committed.</li> <li>• Active—Active record and active configuration.</li> </ul>
SIP Header Name	Specifies the SIP message header for which the normalization step is applicable. Examples include: From, To, Record-Route, Diversion, Request-URI, and P-Asserted-Identity.
SIP Header Index	Can be one of the following: <ul style="list-style-type: none"> <li>• first—Specifies that if there are multiple occurrences of a given header parameter, this normalization step is applied only to the first occurrence.</li> <li>• last—Specifies that if there are multiple occurrences of a given header parameter, this normalization step is applied only to the last occurrence.</li> <li>• all—Specifies that if there are multiple occurrences of a given header parameter, this normalization step is applied to all occurrences.</li> </ul>
Parameter Name	Name of this add URI parameter.
Value	Value of the add URI parameter.
<b>Remove Header Parameters</b>	
State	Can be one of the following: <ul style="list-style-type: none"> <li>• New—New record. Will be added to the active configuration when it is committed.</li> <li>• Modified—Modified record. Will become the active configuration when it is committed.</li> <li>• Deleted—Deleted record. Will be removed from the active configuration when it is committed.</li> <li>• Active—Active record and active configuration.</li> </ul>
SIP Header Name	Specifies the SIP message header for which the normalization step is applicable. Examples include: From, To, Record-Route, Diversion, Request-URI, and P-Asserted-Identity.

**Table 23** *SIP Header, Header Parameter Fields (continued)*

<b>Parameter</b>	<b>Description</b>
SIP Header Index	Can be one of the following: <ul style="list-style-type: none"> <li>• first—Specifies that if there are multiple occurrences of a given header parameter, this normalization step is applied only to the first occurrence.</li> <li>• last—Specifies that if there are multiple occurrences of a given header parameter, this normalization step is applied only to the last occurrence.</li> <li>• all—Specifies that if there are multiple occurrences of a given header parameter, this normalization step is applied to all occurrences.</li> </ul>
Parameter Name	Name of this remove URI parameter.
<b>Update Header Parameters</b>	
State	Can be one of the following: <ul style="list-style-type: none"> <li>• New—New record. Will be added to the active configuration when it is committed.</li> <li>• Modified—Modified record. Will become the active configuration when it is committed.</li> <li>• Deleted—Deleted record. Will be removed from the active configuration when it is committed.</li> <li>• Active—Active record and active configuration.</li> </ul>
SIP Header Name	Specifies the SIP message header for which the normalization step is applicable. Examples include: From, To, Record-Route, Diversion, Request-URI, and P-Asserted-Identity.
SIP Header Index	Can be one of the following: <ul style="list-style-type: none"> <li>• first—Specifies that if there are multiple occurrences of a given header parameter, this normalization step is applied only to the first occurrence.</li> <li>• last—Specifies that if there are multiple occurrences of a given header parameter, this normalization step is applied only to the last occurrence.</li> <li>• all—Specifies that if there are multiple occurrences of a given header parameter, this normalization step is applied to all occurrences.</li> </ul>
Parameter Name	Name of this update URI parameter.
Match Pattern	Specifies the regular expression string in the URI component that is matched. If you enter <b>all</b> , the full header is replaced.
Replace Value	Specifies the regular expression string in the URI component that replaces the matched string.

**Related Topics**

- [Managing the System Configuration](#)
- Back to the [Configuring Normalization Policies](#) menu page

# Adding a Normalization Policy

## Procedure

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- Step 1** Choose **Configure > Normalization Policies**.  
The system displays the Normalization Policies page.
- Step 2** Click **Add**.  
The system displays the Normalization Policies page.
- Step 3** Enter a name for this normalization policy.  
Click **Add**.  
The system displays the Normalization Policies page, with the new normalization policy listed.
- Step 4** In the Cisco Unified SIP Proxy header, click **Commit Candidate Configuration** to commit this change.
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## Related Topics

- [Managing the System Configuration](#)
- Back to the [Configuring Normalization Policies](#) menu page

# Working With URI Components for a Request URI

## Procedure

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- Step 1** Choose **Configure > Normalization Policies**.  
The system displays the Normalization Policies page.
- Step 2** Click the underlined name of the normalization policy to work with.  
The system displays the Normalization Policy '<name of normalization policy>' page and the URI Component tab is highlighted.
- Step 3** To add or edit a URI component, do the following:
- a. Check the check box of the component to which you want to add or edit values.
  - b. Enter or change values. See [Table 16](#).
  - c. Click **Update**.
- Step 4** To delete a URI component, do the following:
- a. Uncheck the check box of the component to delete.
  - b. Click **Update**.
- Step 5** In the Cisco Unified SIP Proxy header, click **Commit Candidate Configuration** to commit this change.
-

**Related Topics**

- [Managing the System Configuration](#)
- Back to the [Configuring Normalization Policies](#) menu page

## Working With URI Conversion Parameters for a Request URI

Follow this procedure to configure a normalization policy step that converts a destination TEL URI to a SIP URI with the given host-port value.

**Procedure**

- 
- Step 1** Choose **Configure > Normalization Policies**.  
The system displays the Normalization Policies page.
  - Step 2** Click the underlined name of the normalization policy to work with.  
The system displays the Normalization Policy ‘<name of normalization policy>’ page.
  - Step 3** Click the URI Conversion tab.
  - Step 4** Enter or update values. See [Table 17](#).
  - Step 5** Click **Update**.
  - Step 6** In the Cisco Unified SIP Proxy header, click **Commit Candidate Configuration** to commit this change.
- 

**Related Topics**

- [Managing the System Configuration](#)
- Back to the [Configuring Normalization Policies](#) menu page

## Working With URI Parameters for a Request URI

**Procedure**

- 
- Step 1** Choose **Configure > Normalization Policies**.  
The system displays the Normalization Policies page.
  - Step 2** Click the underlined name of the normalization policy to work with.  
The system displays the Normalization Policy ‘<name of normalization policy>’ page.
  - Step 3** Click the URI Parameter tab.
  - Step 4** To add a URI parameter to the Request URI, do the following:
    - Under the Add URI Parameters heading, click **New**.
    - Enter the name of the parameter and a value.
    - Click **Add**.

- Step 5** To remove a parameter from the URI, do the following:
- Under the Remove URI Parameters heading, click **New**.
  - Enter the name of the parameter to remove.
  - Click **Add**.
- Step 6** To update a parameter in the URI, do the following:
- Under the Update URI Parameters heading, click **New**.
  - Enter the name of the parameter to update and the pattern to match. Optionally, you can enter a value to replace the pattern.
  - Click **Add**.
- Step 7** To remove any parameters that you added in [Step 4](#) to [Step 6](#), check the check box next to the parameter and click **Remove**.
- Step 8** To revert to the previous setting for any parameters that you added in [Step 4](#) to [Step 6](#), check the check box next to the parameter and click **Revert**.
- Step 9** To edit the add or update parameters that you added in [Step 4](#) or [Step 6](#), click the name of the parameter and make changes.
- Step 10** In the Cisco Unified SIP Proxy header, click **Commit Candidate Configuration** to commit this change.
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#### Related Topics

- [Managing the System Configuration](#)
- Back to the [Configuring Normalization Policies](#) menu page

## Working With SIP Headers

### Procedure

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- Step 1** Choose **Configure > Normalization Policies**.
- The system displays the Normalization Policies page.
- Step 2** Click the underlined name of the normalization policy to which you want to add a SIP header.
- The system displays the Normalization Policy ‘<name of normalization policy>’ page.
- Step 3** Click the SIP Header tab.
- The system displays the Normalization Policy ‘<name of normalization policy>’ page with the SIP Header tabs displayed.
- Step 4** To add a SIP header, do the following:
- Under the Add SIP Headers heading, click **New**.
  - Enter the name of the parameter.
  - Click **Add**.
  - Enter a SIP header index and value.
  - Click **Add**.

- f. Click **Cancel** to go back to the Normalization Policy: <name of normalization policy> page with the SIP Header tabs displayed.
- Step 5** To remove a SIP header, do the following:
- a. Under the Remove SIP Headers heading, click **New**.
  - b. Enter the name of the SIP header to remove. Enter the number of header instances to be removed from the top and the number to be removed from the bottom.
  - c. Click **Add**.
- Step 6** To update a SIP header, do the following:
- a. Under the Update SIP Headers heading, click **New**.
  - b. Enter the name of the SIP header to update and the pattern to match. You can optionally enter a SIP header index and a value to replace the pattern with.
  - c. Click **Add**.
- Step 7** To remove any SIP headers that you added in [Step 4](#) to [Step 6](#), check the check box next to the parameter and click **Remove**.
- Step 8** To revert to the previous setting for any SIP headers that you added in [Step 4](#) to [Step 6](#), check the check box next to the SIP header and click **Revert**.
- Step 9** To edit the add or update parameters that you added in [Step 4](#) or [Step 6](#), click the name of the SIP header and make changes.
- Step 10** In the Cisco Unified SIP Proxy header, click **Commit Candidate Configuration** to commit this change.
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#### Related Topics

- [Managing the System Configuration](#)
- Back to the [Configuring Normalization Policies](#) menu page

## Working With URI Components for SIP Headers

Follow this procedure to configure a normalization policy step that updates a URI component field within a header of the source message.

#### Procedure

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- Step 1** Choose **Configure > Normalization Policies**.
- The system displays the Normalization Policies page.
- Step 2** Click the underlined name of the normalization policy to work with.
- The system displays the Normalization Policy '<name of normalization policy>' page.
- Step 3** Click the SIP Header tab.
- Step 4** Click the URI Component tab.
- Step 5** To add a URI component to a SIP header, do the following:
- a. Click **New**.
  - b. Enter values. See [Table 20](#).



- c. Click **Add**.
  - Step 6** To edit a URI component for a SIP header, do the following:
    - a. Click the underlined name of the SIP header.
    - b. Update the match pattern or replace values. See [Table 20](#).
    - c. Click **Update**.
  - Step 7** To remove a URI component for a SIP header, check the check box next to the URI component and click **Remove**.
  - Step 8** To revert to the previous setting for a URI component for a SIP header, check the check box next to the URI component and click **Revert**.
  - Step 9** In the Cisco Unified SIP Proxy header, click **Commit Candidate Configuration** to commit this change.
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#### Related Topics

- [Managing the System Configuration](#)
- Back to the [Configuring Normalization Policies](#) menu page

## Working With URI Conversion Parameters for SIP Headers

### Procedure

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- Step 1** Choose **Configure > Normalization Policies**.  
The system displays the Normalization Policies page.
- Step 2** Click the underlined name of the normalization policy to work with.  
The system displays the Normalization Policy '<name of normalization policy>' page.
- Step 3** Click the SIP Header tab.
- Step 4** Click the URI Conversion tab.
- Step 5** To add a new conversion parameter, do the following:
  - a. Click **New** under either the TEL URI to SIP URI Conversions header or the SIP URI to TEL URI Conversions header.
  - b. Enter values. See [Table 21](#).
  - c. Click **Add**.
- Step 6** To edit a TEL URI to SIP URI conversion parameter, do the following:
  - a. Click the underlined name of the SIP header.
  - b. Update values. See [Table 21](#).
  - c. Click **Update**.
- Step 7** To remove a URI conversion parameter, check the check box next to the URI conversion parameter and click **Remove**.
- Step 8** To revert to the previous setting for a URI conversion parameter, check the check box next to the URI conversion parameter and click **Revert**.

**Step 9** In the Cisco Unified SIP Proxy header, click **Commit Candidate Configuration** to commit this change.

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#### Related Topics

- [Managing the System Configuration](#)
- Back to the [Configuring Normalization Policies](#) menu page

## Working With URI Parameters for SIP Headers

### Procedure

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- Step 1** Choose **Configure > Normalization Policies**.  
The system displays the Normalization Policies page.
- Step 2** Click the underlined name of the normalization policy to work with.  
The system displays the Normalization Policy '<name of normalization policy>' page.
- Step 3** Click the SIP Header tab.
- Step 4** Click the URI Parameter tab.
- Step 5** To add a URI parameter to the SIP header do the following:
- Under the Add URI Parameters heading, click **New**.
  - Enter values. See [Table 22](#).
  - Click **Add**.
- Step 6** To remove a URI parameter from the SIP header, do the following:
- Under the Remove URI Parameters heading, click **New**.
  - Enter values. See [Table 22](#).
  - Click **Add**.
- Step 7** To update a URI parameter in the SIP header, do the following:
- Under the Update URI Parameters heading, click **New**.
  - Enter values. See [Table 22](#).
  - Click **Add**.
- Step 8** To remove any parameters that you added in [Step 5](#) to [Step 7](#), check the check box next to the parameter and click **Remove**.
- Step 9** To revert to the previous setting for any parameters that you added in [Step 5](#) to [Step 7](#), check the check box next to the parameter and click **Revert**.
- Step 10** To edit the add or update parameters that you added in [Step 5](#) or [Step 7](#), click the name of the parameter and make changes.
- Step 11** In the Cisco Unified SIP Proxy header, click **Commit Candidate Configuration** to commit this change.
-

**Related Topics**

- [Managing the System Configuration](#)
- Back to the [Configuring Normalization Policies](#) menu page

## Working With Header Parameters for SIP Headers

**Procedure**

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- Step 1** Choose **Configure > Normalization Policies**.  
The system displays the Normalization Policies page.
- Step 2** Click the underlined name of the normalization policy to work with.  
The system displays the Normalization Policy '<name of normalization policy>' page.
- Step 3** Click the SIP Header tab.
- Step 4** Click the Header Parameter tab.
- Step 5** To add a header parameter to the SIP header do the following:
- a. Under the Add Header Parameters heading, click **New**.
  - b. Enter values. See [Table 23](#).
  - c. Click **Add**.
- Step 6** To remove a header parameter from the SIP header, do the following:
- a. Under the Remove Header Parameters heading, click **New**.
  - b. Enter values. See [Table 23](#).
  - c. Click **Add**.
- Step 7** To update a header parameter in the SIP header, do the following:
- a. Under the Update Header Parameters heading, click **New**.
  - b. Enter values. See [Table 23](#).
  - c. Click **Add**.
- Step 8** To remove any parameters that you added in [Step 5](#) to [Step 7](#), check the check box next to the parameter and click **Remove**.
- Step 9** To revert to the previous setting for any parameters that you added in [Step 5](#) to [Step 7](#), check the check box next to the parameter and click **Revert**.
- Step 10** To edit the add or update parameters that you added in [Step 5](#) or [Step 7](#), click the name of the parameter and make changes.
- Step 11** In the Cisco Unified SIP Proxy header, click **Commit Candidate Configuration** to commit this change.
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**Related Topics**

- [Managing the System Configuration](#)
- Back to the [Configuring Normalization Policies](#) menu page

