



# Conditional Header Manipulation of SIP Headers

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The Conditional Header Manipulation of SIP Headers feature provides the following enhancements to Cisco Unified Border Element (Cisco UBE):

- The ability to pass unsupported parameters present in a mandatory Session Initiation Protocol (SIP) header from one call leg to another of Cisco UBE.
- The ability to copy contents from one header to another in an outgoing SIP message.
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## Finding Feature Information

Your software release may not support all the features documented in this module. For the latest feature information and caveats, see the release notes for your platform and software release. To find information about the features documented in this module, and to see a list of the releases in which each feature is supported, see the Feature Information Table at the end of this document.

Use Cisco Feature Navigator to find information about platform support and Cisco software image support. To access Cisco Feature Navigator, go to [www.cisco.com/go/cfn](http://www.cisco.com/go/cfn). An account on Cisco.com is not required.

## Prerequisites for Conditional Header Manipulation of SIP Headers



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**Cisco Unified Border Element**

- Cisco IOS Release 15.1(3)T or a later release must be installed and running on your Cisco Unified Border Element.

**Cisco Unified Border Element (Enterprise)**

- Cisco IOS XE Release <TBD> or a later release must be installed and running on your Cisco ASR 1000 Series Router.

## Restrictions

- You cannot configure more than 99 variables for the SIP profiles copy option.
- This feature does not support any header other than SIP.

## Passing an Unsupported Parameter Present in a Mandatory Header from One Call Leg to Another of Cisco UBE

Perform this task to pass an unsupported parameter present in a mandatory header from one call leg to another of Cisco UBE.

**SUMMARY STEPS**

1. **enable**
2. **configure terminal**
3. **voice class sip-copylist tag**
4. **sip-header {sip-req-uri | header-name}**
5. **exit**

**DETAILED STEPS**

	Command or Action	Purpose
Step 1	<b>enable</b>  <b>Example:</b>  Router> enable	Enables privileged EXEC mode.  • Enter your password if prompted.
Step 2	<b>configure terminal</b>  <b>Example:</b>  Router# configure terminal	Enters global configuration mode.

Command or Action	Purpose
<p><b>Step 3</b> <code>voice class sip-copylist tag</code></p> <p><b>Example:</b></p> <pre>Router(config)# voice class sip-copylist 100</pre>	Configures a list of entities to be sent to a peer call leg and enters voice class configuration mode.
<p><b>Step 4</b> <code>sip-header {sip-req-uri   header-name}</code></p> <p><b>Example:</b></p> <pre>Router(config-class)# sip-header From</pre>	Specifies the SIP header to be sent to the peer call leg.
<p><b>Step 5</b> <code>exit</code></p> <p><b>Example:</b></p> <pre>Router(config-class)# exit</pre>	Exits voice class configuration mode.

## Copying Contents from One Header to Another in an Outgoing SIP Message

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## Copying Contents from One SIP Header to Another in an Outgoing Message

Perform this task to copy contents from one SIP to another in an outgoing message.

### SUMMARY STEPS

1. `enable`
2. `configure terminal`
3. `voice class sip-profiles tag`
4. `request method sip-header field {add | copy | modify | remove} string`
5. `response option sip-header field {add | copy | modify | remove} string`
6. `exit`

## DETAILED STEPS

Command or Action	Purpose
<p><b>Step 1</b> <code>enable</code></p> <p><b>Example:</b></p> <pre>Router&gt; enable</pre>	<p>Enables privileged EXEC mode.</p> <ul style="list-style-type: none"> <li>Enter your password if prompted.</li> </ul>
<p><b>Step 2</b> <code>configure terminal</code></p> <p><b>Example:</b></p> <pre>Router# configure terminal</pre>	<p>Enters global configuration mode.</p>
<p><b>Step 3</b> <code>voice class sip-profiles tag</code></p> <p><b>Example:</b></p> <pre>Router(config)# voice class sip-profiles 10</pre>	<p>Enables dial peer-based VoIP SIP profile configurations and enters voice class configuration mode.</p>
<p><b>Step 4</b> <code>request method sip-header field {add   copy   modify   remove} string</code></p> <p><b>Example:</b></p> <pre>Router(config-class)# request INVITE sip-header contact copy "(.*)" u01</pre>	<p>Modifies SIP profiles to copy the contents from one SIP header to another in a SIP request message.</p>
<p><b>Step 5</b> <code>response option sip-header field {add   copy   modify   remove} string</code></p> <p><b>Example:</b></p> <pre>Router(config-class)# response 200 sip-header contact copy "(.*)" u01</pre>	<p>Modifies SIP profiles to copy contents from one SIP header to another in a SIP response message.</p>
<p><b>Step 6</b> <code>exit</code></p> <p><b>Example:</b></p> <pre>Router(config-class)# exit</pre>	<p>Exits voice class configuration mode.</p>

## Copying Contents from Peer Header to a SIP Header in an Outgoing Message

Perform this task to copy contents from peer header to a SIP header in an outgoing message.

**SUMMARY STEPS**

1. **enable**
2. **configure terminal**
3. **voice class sip-profiles tag**
4. **request method peer-header sip {sip-req-uri | header-name} copy match-pattern variable**
5. **response option peer-header sip {sip-req-uri | header-name} copy match-pattern variable**
6. **exit**

**DETAILED STEPS**

Command or Action	Purpose
<p><b>Step 1</b> <b>enable</b></p> <p><b>Example:</b></p> <pre>Router&gt; enable</pre>	<p>Enables privileged EXEC mode.</p> <ul style="list-style-type: none"> <li>• Enter your password if prompted.</li> </ul>
<p><b>Step 2</b> <b>configure terminal</b></p> <p><b>Example:</b></p> <pre>Router# configure terminal</pre>	<p>Enters global configuration mode.</p>
<p><b>Step 3</b> <b>voice class sip-profiles tag</b></p> <p><b>Example:</b></p> <pre>Router(config)# voice class sip-profiles 10</pre>	<p>Enables dial peer-based VoIP SIP profile configurations and enters class configuration mode.</p>
<p><b>Step 4</b> <b>request method peer-header sip {sip-req-uri   header-name} copy match-pattern variable</b></p> <p><b>Example:</b></p> <pre>Router(config-class)# request invite peer-header contact copy "(.*)" u01</pre>	<p>Copies contents from a peer header to a SIP header in an outgoing SIP request message.</p>
<p><b>Step 5</b> <b>response option peer-header sip {sip-req-uri   header-name} copy match-pattern variable</b></p> <p><b>Example:</b></p> <pre>Router(config-class)# response 200 peer-header contact copy "(.*)" u01</pre>	<p>Copies contents from a peer header to a SIP header in an outgoing SIP response message.</p>

Command or Action	Purpose
<b>Step 6</b> exit  <b>Example:</b>  Router(config-class)# exit	Exits voice class configuration mode.

## Feature Information for Support for Conditional Header Manipulation of SIP Headers

The following table provides release information about the feature or features described in this module. This table lists only the software release that introduced support for a given feature in a given software release train. Unless noted otherwise, subsequent releases of that software release train also support that feature.

Use Cisco Feature Navigator to find information about platform support and Cisco software image support. To access Cisco Feature Navigator, go to [www.cisco.com/go/cfn](http://www.cisco.com/go/cfn). An account on Cisco.com is not required.

The table below lists the release history for the ISR.

**Table 1** Feature Information for Support for Conditional Header Manipulation of SIP Headers

Feature Name	Releases	Feature Information
Support for Conditional Header Manipulation of SIP Headers	15.1(3)T	<p>The Support for Conditional Header Manipulation of SIP Headers feature provides the following enhancements to Cisco UBE:</p> <ul style="list-style-type: none"> <li>• The ability to pass unsupported parameters present in a mandatory header from one call leg to another.</li> <li>• The ability to copy contents from one header to another header in an outgoing SIP message.</li> </ul> <p>The following commands were introduced or modified:  <b>response, response peer-header, request, request peer-header, sip-header, voice-class sip copy-list, voice class sip-copylist.</b></p>

The table below lists the release history for the ASR.

**Table 2**      **Feature Information for Support for Conditional Header Manipulation of SIP Headers**

Feature Name	Releases	Feature Information
Support for Conditional Header Manipulation of SIP Headers	<TBD>	<p>The Support for Conditional Header Manipulation of SIP Headers feature provides the following enhancements to Cisco UBE:</p> <ul style="list-style-type: none"> <li>• The ability to pass unsupported parameters present in a mandatory header from one call leg to another.</li> <li>• The ability to copy contents from one header to another header in an outgoing SIP message.</li> </ul> <p>The following commands were introduced or modified:  <b>response, response peer-header, request, request peer-header, sip-header, voice-class sip copy-list, voice class sip-copylist.</b></p>

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