



# Cisco Unified SIP Proxy Trigger Commands

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# trigger condition

To create a trigger condition and enter Cisco Unified SIP Proxy trigger configuration mode, use the **trigger condition** command in Cisco Unified SIP Proxy configuration mode. To remove the trigger condition, use the **no** form of this command.

**trigger condition** *trigger-condition-name*

**no trigger condition** *trigger-condition-name*

<b>Syntax Description</b>	<i>trigger-condition-name</i>	Specifies the name of the trigger condition.
<b>Command Default</b>	None	
<b>Command Modes</b>	Cisco Unified SIP Proxy configuration (cusp-config)	
<b>Command History</b>	<b>Cisco Unified SIP Proxy Version</b>	<b>Modification</b>
	1.0	This command was introduced.

## Usage Guidelines

This command configures a trigger condition. The trigger condition associates the trigger with the specific conditions that includes matching rules against certain headers or fields within a SIP message.

A trigger is a named condition that is evaluated as either true or false for each received request. If the condition is true, then preset behaviors are invoked.

To execute a module, the server:

1. Identifies appropriate triggers.
2. Orders the triggers by their sequence numbers.
3. Evaluates the named trigger condition for the request. If true, the next step is executed; otherwise, the next trigger is checked.
4. Determines the details of module execution from the parameters of the module trigger that corresponds to the matched trigger condition.

The **trigger condition** command provides a name for a trigger point, specifies a true-false test for the condition, and indicates its place in the set of triggers to evaluate. The types of conditions that can be evaluated as trigger points are:

- Whether a message is a request or response
- The type of request method
- The response code (either an explicit code or a class of codes)
- User agent header field value
- Matching portions of a Request-URI

- Matching portions of a Route header field
- Matching IP addresses and ports

Configure these trigger points using the commands in trigger configuration mode.

The **trigger condition** command takes as input regular expressions for conditions that must be matched in order for the trigger to be fired. For more information on regular expressions, see <http://java.sun.com/docs/books/tutorial/extra/regex/>.

**Note**

All trigger conditions support regular expressions except the MESSAGE field, which can either be “response” or “request” only.

**Examples**

The following example creates a new trigger condition t1 and enters trigger configuration mode, where the specific condition is configured:

```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)>
```

The following example deletes trigger condition t1:

```
se-10-0-0-0(cusp-config)> no trigger condition t1
```

**Related Commands**

Command	Description
<b>header</b>	Configures the trigger to fire when matching the regular expression for this header.
<b>in-network</b>	Configures the incoming network for a trigger condition for a server-side transaction.
<b>local-ip</b>	Assigns a local-listen IP address that accepts incoming requests to a trigger condition.
<b>local-port</b>	Assigns a local-listen port to a trigger condition.
<b>message</b>	Determines whether the trigger condition will fire based on whether the headers in the SIP message are request or response headers.
<b>method (trigger sequence)</b>	Configures a trigger condition in which the trigger is fired on the given SIP method name in the request.
<b>mid-dialog</b>	Configures the trigger to fire on mid-dialog responses.
<b>out-network</b>	Configures the outgoing network for a trigger condition for a client-side transaction.
<b>protocol</b>	Assigns a protocol to the trigger condition.
<b>proxy-route header-param</b>	Configures a trigger to fire when matching the regular expression for the specified header parameter.
<b>proxy-route uri-component</b>	Configures a trigger to fire when matching the regular expression for the specified URI component.
<b>proxy-route uri-param</b>	Configures a trigger to fire when matching the regular expression for the specified URI parameter.
<b>remote-ip</b>	Configures the remote IP network for a trigger condition.
<b>remote-port</b>	Configures the remote port for a trigger condition.

<b>Command</b>	<b>Description</b>
<b>request-uri uri-param</b>	Configures a trigger to fire when matching the regular expression for the specified URI parameter.
<b>response-code</b>	Configures a trigger condition to fire on a specific response.
<b>time</b>	Configures the trigger to fire if the specified time policy is met.

# trigger post-normalization

To configure a postnormalization algorithm for outgoing SIP messages to a specific normalization policy, use the **trigger post-normalization** command in Cisco Unified SIP Proxy configuration mode. To remove the postnormalization policy algorithm from the normalization policy, use the **no** form of this command.

```
trigger post-normalization sequence sequence-number {by-pass | policy policy} [condition trigger-condition]
```

```
no trigger post-normalization sequence sequence-number policy policy [condition trigger-condition]
```

Syntax Description		
<b>sequence</b> <i>sequence-number</i>		Specifies the sequence number.
<b>by-pass</b>		Specifies that routing is done directly using RFC 3263.
<b>policy</b> <i>policy</i>		Specifies the previously-defined policy name that the post-normalization algorithm will apply to. If <b>by-pass</b> is chosen, routing is done directly using RFC 3263.
<b>condition</b> <i>trigger-condition</i>		(Optional) Specifies the previously-defined trigger condition that the post-normalization algorithm will apply to.

**Command Default** None

**Command Modes** Cisco Unified SIP Proxy configuration (cusp-config)

Command History	Cisco Unified SIP Proxy Version	Modification
	1.0	This command was introduced.

**Usage Guidelines** Use this command to determine which normalization policies are invoked *after* routing policies are applied. Use the **trigger pre-normalization** command to determine which normalization policies are invoked *before* routing policies are applied.

## Examples

The following example calls for policy p1 to be invoked unconditionally:

```
se-10-0-0-0(cusp-config)> trigger post-normalization sequence 10 policy p1
```

The following example calls for the by-pass policy to be invoked unconditionally:

```
se-10-0-0-0(cusp-config)> trigger post-normalization sequence 10 by-pass
```

The following example deletes the call to policy p1 for post-normalization:

```
se-10-0-0-0(cusp-config)> no trigger post-normalization sequence 10 policy p1
```

## ■ trigger post-normalization

Related Commands	Command	Description
	<b>trigger pre-normalization</b>	Configures a prenormalization algorithm for incoming SIP messages to a normalization policy.

# trigger pre-normalization

To configure a prenormalization algorithm for incoming SIP messages to a normalization policy, use the **trigger pre-normalization** command in Cisco Unified SIP Proxy configuration mode. To remove the prenormalization policy algorithm from the normalization policy, use the **no** form of this command.

**trigger pre-normalization sequence** *sequence-number* {**by-pass** | **policy** *policy*} [**condition** *trigger-condition*]

**no trigger pre-normalization sequence** *sequence-number* {**by-pass** | **policy** *policy*} [**condition** *trigger-condition*]

Syntax Description		
<b>sequence</b> <i>sequence-number</i>		Specifies the sequence number.
<b>by-pass</b>		Specifies that routing is done directly using RFC 3263.
<b>policy</b> <i>policy</i>		Specifies the previously-defined policy name that the pre-normalization algorithm will apply to. If <b>by-pass</b> is chosen, routing is done directly using RFC 3263.
<b>condition</b> <i>trigger-condition</i>		(Optional) Specifies the previously-defined trigger condition that the pre-normalization algorithm will apply to.

**Command Default** None

**Command Modes** Cisco Unified SIP Proxy configuration (cusp-config)

Command History	Cisco Unified SIP Proxy Version	Modification
	1.0	This command was introduced.

**Usage Guidelines** Use this command to determine which normalization policies are invoked *before* routing policies are applied. Use the **trigger post-normalization** command to determine which normalization policies are invoked *after* routing policies are applied.

## Examples

The following example calls for policy p1 to be invoked unconditionally:

```
se-10-0-0-0(cusp-config)> trigger pre-normalization sequence 10 policy p1
```

The following example calls for the by-pass policy to be invoked unconditionally:

```
se-10-0-0-0(cusp-config)> trigger pre-normalization sequence 10 by-pass
```

The following example deletes the call to policy p1 for prenormalization:

```
se-10-0-0-0(cusp-config)> no trigger pre-normalization sequence 10 policy p1
```

## ■ trigger pre-normalization

Related Commands	Command	Description
	<b>trigger post-normalization</b>	Configures a postnormalization algorithm for outgoing SIP messages to a specific normalization policy.



# trigger routing

To associate a routing policy with a trigger condition, use the **trigger routing** command in Cisco Unified SIP Proxy configuration mode. To delete the association between the routing policy and the condition, use the **no** form of this command.

**trigger routing sequence** *sequence-number* {**by-pass** | **policy** *policy*} [**condition** *trigger-condition*]

**no trigger routing sequence** *sequence-number* {**by-pass** | **policy** *policy*} [**condition** *trigger-condition*]

Syntax Description		
<b>sequence</b> <i>sequence-number</i>		Specifies the sequence number.
<b>by-pass</b>		Specifies that routing is done directly using RFC 3263.
<b>policy</b> <i>policy</i>		Specifies the previously-defined policy name to which the routing algorithm applies. If <b>by-pass</b> is chosen, routing is done directly using RFC 3263.
<b>condition</b> <i>trigger-condition</i>		(Optional) Specifies the previously-defined trigger condition to which the routing policy applies.

**Command Default** None

**Command Modes** Cisco Unified SIP Proxy configuration (cusp-config)

Command History	Cisco Unified SIP Proxy Version	Modification
	1.0	This command was introduced.

**Usage Guidelines** Routing triggers determine which of the configured routing policies is invoked for a received request. When a characteristic of the request matches the specified condition, the specified routing policy is invoked to determine the request's next hop.

## Examples

The following example associates policy p1 with condition t1:

```
se-10-0-0-0(cusp-config)> trigger routing sequence 10 policy p1 condition t1
```

The following example associates the by-pass policy for condition mid-dialog :

```
se-10-0-0-0(cusp-config)> trigger routing sequence 10 by-pass condition mid-dialog
```

The following example deletes the association of the policy with the condition:

```
se-10-0-0-0(cusp-config)> no trigger routing sequence 10 sequence 10 policy p1
```

Related Commands	Command	Description
	<b>trigger condition</b>	Creates a trigger condition and enters Cisco Unified SIP Proxy trigger configuration mode.

## sequence (trigger)

To configure a sequence number for an existing trigger condition and enter trigger sequence configuration mode, use the **sequence** command in trigger configuration mode. To remove the sequence number from the trigger condition, use the **no** form of this command.

**sequence** *sequence*

**no sequence** *sequence*

<b>Syntax Description</b>	<i>sequence</i>	Integer that indicates the order in which triggers are evaluated.
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<b>Command Default</b>	None
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<b>Command Modes</b>	Trigger configuration (cusp-config-trigger)
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<b>Command History</b>	<b>Cisco Unified SIP Proxy Version</b>	<b>Modification</b>
	1.0	This command was introduced.

<b>Usage Guidelines</b>	All trigger sequence configuration mode commands configure <i>and</i> conditions, that is, all conditions must be matched for a given trigger to fire. A list of trigger sequences is evaluated as a list of <i>or</i> conditions, so once one is matched those with later sequence numbers are ignored.
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<b>Examples</b>	The following example assigns sequence number 1 to existing trigger condition t1:
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```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> sequence 1
se-10-0-0-0(cusp-config-trigger-seq)>
```

The following example removes sequence number 1 from existing trigger condition t1:

```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> no sequence 1
```

<b>Related Commands</b>	<b>Command</b>	<b>Description</b>
	<b>trigger condition</b>	Creates a trigger condition and enters Cisco Unified SIP Proxy trigger configuration mode.

## header (trigger sequence)

To configure the trigger to fire when matching the regular expression for this header, use the **header** command in trigger sequence configuration mode. To , use the **no** form of this command.

**header** *header-name* {**first** | **last** | **all**} *header-value*

**no header** *header-name* {**first** | **last** | **all**} *header-value*

Syntax Description		
	<i>header-name</i>	Specifies the name of the header.
	<b>first</b>	Specifies to trigger on the first occurrence of this header.
	<b>last</b>	Specifies to trigger on the last occurrence of this header.
	<b>all</b>	Specifies to trigger on the all occurrences of this header.
	<i>header-value</i>	Specifies the value of the header to trigger on.

**Command Default** No trigger conditions are configured for this header.

**Command Modes** Trigger sequence configuration (cusp-config-trigger-seq)

Command History	Cisco Unified SIP Proxy Version	Modification
	1.0	This command was introduced.

**Examples** The following example configures this trigger to fire on the first occurrence of the header user@example.com:

```
se-10-0-0-0(cusp-config-trigger-seq)> header From first user@example.com
```

The following example removes the trigger condition using mid-dialog:

```
se-10-0-0-0(cusp-config-trigger-seq)> no header
```

# in-network

To configure the incoming network for a trigger condition for a server-side transaction, use the **in-network** command in trigger sequence configuration mode. To remove the trigger condition, use the **no** form of this command.

```
in-network network-name
```

```
no in-network
```

<b>Syntax Description</b>	<i>network-name</i>	Specifies the incoming network name for the trigger condition.
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<b>Command Default</b>	The network name is not configured.	
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<b>Command Modes</b>	Trigger sequence configuration (cusp-config-trigger-seq)	
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<b>Command History</b>	<b>Cisco Unified SIP Proxy Version</b>	<b>Modification</b>
	1.0	This command was introduced.

<b>Usage Guidelines</b>	Enter the value for this command as a regular expression.	
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<b>Examples</b>	The following example configures the in-network field for the network called “internal” for the trigger condition:	
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```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> sequence 22
se-10-0-0-0(cusp-config-trigger-seq)> in-network internal
```

The following example removes the in-network field from the trigger condition:

```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> sequence 22
se-10-0-0-0(cusp-config-trigger-seq)> no in-network
```

<b>Related Commands</b>	<b>Command</b>	<b>Description</b>
		<b>out-network</b>
	<b>sequence</b> <i>sequence-number</i>	Specifies the sequence number.
	<b>trigger condition</b>	Creates a trigger condition and enters Cisco Unified SIP Proxy trigger configuration mode.

# local-ip

To configure a trigger condition in which the trigger is fired on the given local IP address, use the **local-ip** command in Cisco Unified SIP Proxy trigger sequence configuration mode. To remove the local-ip address from the trigger condition, use the **no** form of this command.

**local-ip** *local-listen-ip*

**no local-ip**

<b>Syntax Description</b>	<i>local-listen-ip</i>	The interface IP address or hostname accepting incoming requests.
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**Command Default** The local IP address or hostname is not configured.

**Command Modes** Cisco Unified SIP Proxy trigger sequence configuration (cusp-config-trigger-seq)

<b>Command History</b>	<b>Cisco Unified SIP Proxy Version</b>	<b>Modification</b>
	1.0	This command was introduced.

**Usage Guidelines** Enter the value for this command as a regular expression.

**Examples** The following example configures the local-listen IP address for the trigger condition:

```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> sequence 18
se-10-0-0-0(cusp-config-trigger-seq)> local-ip 10.1.1.1
```

The following example removes the local-listen IP address from the trigger condition:

```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> sequence 18
se-10-0-0-0(cusp-config-trigger-seq)> no local-ip
```

<b>Related Commands</b>	<b>Command</b>	<b>Description</b>
	<b>local-port</b>	Assigns a local-listen port to a trigger condition.
	<b>remote-ip</b>	Configures the remote IP network for a trigger condition.
	<b>remote-port</b>	Configures the remote port for a trigger condition.
	<b>trigger condition</b>	Creates a trigger condition and enters Cisco Unified SIP Proxy trigger configuration mode.

# local-port

To configure a trigger condition in which the trigger is fired on the given local-listen port, use the **local-port** command in Cisco Unified SIP Proxy trigger sequence configuration mode. To remove the local-listen port from the trigger condition, use the **no** form of this command.

**local-port** *local-listen-port*

**no local-port**

<b>Syntax Description</b>	<i>local-listen-port</i>	Specifies the local-listen port number.
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<b>Command Default</b>	The local-listen port is not assigned to the trigger condition.
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<b>Command Modes</b>	Trigger sequence configuration (cusp-config-trigger-seq)
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<b>Command History</b>	<b>Cisco Unified SIP Proxy Version</b>	<b>Modification</b>
	1.0	This command was introduced.

<b>Usage Guidelines</b>	Enter the value of this command as a regular expression.
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**Examples** The following example configures the local-listen port for the trigger condition:

```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> sequence 19
se-10-0-0-0(cusp-config-trigger-seq)> local-port 5060
```

The following example removes the local-listen port from the trigger condition:

```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> sequence 19
se-10-0-0-0(cusp-config-trigger-seq)> no local-port
```

<b>Related Commands</b>	<b>Command</b>	<b>Description</b>
	<b>local-ip</b>	Assigns a local-listen IP address that accepts incoming requests to a trigger condition.
	<b>remote-ip</b>	Configures the remote IP network for a trigger condition.
	<b>remote-port</b>	Configures the remote port for a trigger condition.
	<b>trigger condition</b>	Creates a trigger condition and enters Cisco Unified SIP Proxy trigger configuration mode.

# message

To determine whether the trigger condition will fire based on whether the headers in the SIP message are request or response headers, use the **message** command in trigger sequence configuration mode. To remove the message trigger from the trigger condition, use the **no** form of this command.

```
message {request | response}
```

```
no message
```

## Syntax Description

<b>request</b>	Specifies that the trigger condition will fire if the header in the SIP message is a request header.
<b>response</b>	Specifies that the trigger condition will fire if the header in the SIP message is a response header.

## Command Default

No message is configured.

## Command Modes

Trigger sequence configuration (cusp-config-trigger-seq)

## Command History

Cisco Unified SIP Proxy Version	Modification
1.0	This command was introduced.

## Usage Guidelines

This command does not take a regular expression.

## Examples

The following example configures the trigger to fire if the incoming message is a SIP request header:

```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> message request
```

The following example configures the trigger to fire if the incoming message is a SIP response header:

```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> message response
```

The following example removes the message field from the trigger condition:

```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> no message
```

## Related Commands

Command	Description
<b>trigger condition</b>	Creates a trigger condition and enters Cisco Unified SIP Proxy trigger configuration mode.



# method (trigger sequence)

To configure a trigger condition in which the trigger is fired on the given SIP method name in the request, use the **method** command in Cisco Unified SIP Proxy trigger sequence configuration mode. To remove the trigger condition, use the **no** form of this command.

**method** *method-name*

**no method**

<b>Syntax Description</b>	<i>method-name</i>	Specifies the SIP method name in the request.
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<b>Command Default</b>	No method name is configured.	
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<b>Command Modes</b>	Trigger sequence configuration (cusp-config-trigger-seq)	
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<b>Command History</b>	<b>Cisco Unified SIP Proxy Version</b>	<b>Modification</b>
	1.0	This command was introduced.

<b>Usage Guidelines</b>	The value of this command cannot be entered as a regular expression.	
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<b>Examples</b>	The following example configures the method name for the trigger condition to INVITE:	
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```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> sequence 3
se-10-0-0-0(cusp-config-trigger-seq)> method INVITE
```

The following example removes the method name from the trigger condition:

```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> sequence 3
se-10-0-0-0(cusp-config-trigger-seq)> no method
```

<b>Related Commands</b>	<b>Command</b>	<b>Description</b>
		<b>trigger condition</b>

# mid-dialog

To configure the trigger to fire on mid-dialog responses, use the **mid-dialog** command in Cisco Unified SIP Proxy trigger sequence configuration mode. To remove the trigger condition, use the **no** form of this command.

**mid-dialog**

**no mid-dialog**

**Syntax Description** This command has no arguments or keywords.

**Command Default** Trigger does not fire on mid-dialog responses.

**Command Modes** Trigger sequence configuration (cusp-config-trigger-seq)

Command History	Cisco Unified SIP Proxy Version	Modification
	1.0	This command was introduced.

**Examples** The following example configures the trigger to fire on mid-dialog responses:

```
se-10-0-0-0(cusp-config-trigger-seq) > mid-dialog
```

The following example configures the trigger to not fire on mid-dialog responses:

```
se-10-0-0-0(cusp-config-trigger-seq) > no mid-dialog
```

# out-network

To configure the outgoing network for a trigger condition for a client-side transaction, use the **out-network** command in trigger sequence configuration mode. To remove the trigger condition, use the **no** form of this command.

**out-network** *network-name*

**no out-network**

<b>Syntax Description</b>	<i>network-name</i>	Specifies the outgoing network for the trigger condition.
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<b>Command Default</b>	None
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<b>Command Modes</b>	Trigger sequence configuration (cusp-config-trigger-seq)
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<b>Command History</b>	<b>Cisco Unified SIP Proxy Version</b>	<b>Modification</b>
	1.0	This command was introduced.

<b>Usage Guidelines</b>	Enter the value for this command as a regular expression.
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**Examples** The following example configures the out-network field for the network called “external” for the trigger condition:

```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> sequence 23
se-10-0-0-0(cusp-config-trigger-seq)> out-network external
```

The following example removes the out-network field from the trigger condition:

```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> sequence 23
se-10-0-0-0(cusp-config-trigger-seq)> no out-network
```

<b>Related Commands</b>	<b>Command</b>	<b>Description</b>
		<b>in-network</b>
	<b>trigger condition</b>	Creates a trigger condition and enters Cisco Unified SIP Proxy trigger configuration mode.

# protocol

To configure a trigger condition in which the trigger is fired on the specific protocol name, use the **protocol** command in Cisco Unified SIP Proxy trigger sequence configuration mode. To remove the trigger condition, use the **no** form of this command.

```
protocol { tcp | tls | udp }
```

```
no protocol
```

## Syntax Description

<b>tcp</b>	Sets TCP as the transport protocol for the trigger condition.
<b>tls</b>	Sets TLS as the transport protocol for the trigger condition.
<b>udp</b>	Sets UDP as the transport protocol for the trigger condition.

## Command Default

The protocol is not configured.

## Command Modes

Cisco Unified SIP Proxy trigger sequence configuration (cusp-config-trigger-seq)

## Command History

Cisco Unified SIP Proxy Version	Modification
1.0	This command was introduced.

## Examples

The following example configures the trigger condition to use UDP as the transport protocol:

```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> sequence 24
se-10-0-0-0(cusp-config-trigger-seq)> protocol udp
```

The following example removes the transport protocol from the trigger condition:

```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> sequence 24
se-10-0-0-0(cusp-config-trigger-seq)> no protocol
```

## Related Commands

Command	Description
<b>trigger condition</b>	Creates a trigger condition and enters Cisco Unified SIP Proxy trigger configuration mode.

# proxy-route header-param

To configure a trigger to fire when matching the regular expression for the specified header parameter, use the **proxy-route header-param** command in Cisco Unified SIP Proxy trigger sequence configuration mode. To remove the trigger condition, use the **no** form of this command.

**proxy-route header-param** *header-param-name* *match-string*

**no proxy-route header-param** *header-param-name*

## Syntax Description

<i>header-param-name</i>	Specifies the name of the header parameter to match. This argument does not accept regular expressions.
<i>match-string</i>	Specifies the value that the header parameter must match.

## Command Default

No header parameter is configured on the trigger condition.

## Command Modes

Cisco Unified SIP Proxy trigger sequence configuration (cusp-config-trigger-seq)

## Command History

Cisco Unified SIP Proxy Version	Modification
1.0	This command was introduced.

## Examples

The following example configures the trigger to fire when the header parameter service-ref equals abczyx123:

```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> sequence 1
se-10-0-0-0(cusp-config-trigger-seq)> proxy-route header-param service-ref abczyx123
```

The following example removes the header parameter from the trigger condition:

```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> sequence 1
se-10-0-0-0(cusp-config-trigger-seq)> no proxy-route header-param service-ref
```

## Related Commands

Command	Description
<b>trigger condition</b>	Creates a trigger condition and enters Cisco Unified SIP Proxy trigger configuration mode.

# proxy-route uri-component

To configure a trigger to fire when matching the regular expression for the specified URI component, use the **proxy-route uri-component** command in Cisco Unified SIP Proxy trigger sequence configuration mode. To remove the trigger condition, use the **no** form of this command.

```
proxy-route uri-component host host | port port | scheme scheme | uri uri | user user
```

```
no proxy-route uri-component host host | port port | scheme scheme | uri uri | user user
```

## Syntax Description

<b>host</b> <i>host</i>	Specifies the value that the host URI component must match.
<b>port</b> <i>port</i>	Specifies the value that the port URI component must match.
<b>scheme</b> <i>scheme</i>	Specifies the value that the scheme URI component must match.
<b>uri</b> <i>uri</i>	Specifies the value that the URI URI component must match.
<b>user</b> <i>user</i>	Specifies the value that the user URI component must match.

## Command Default

No URI component is configured on the trigger condition.

## Command Modes

Cisco Unified SIP Proxy trigger sequence configuration (cusp-config-trigger-seq)

## Command History

Cisco Unified SIP Proxy Version	Modification
1.0	This command was introduced.

## Examples

The following example configures the trigger to fire when the user component equals 949:

```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> sequence 1
se-10-0-0-0(cusp-config-trigger-seq)> proxy-route uri-component user 949
```

The following example configures the trigger to fire when the scheme component equals sip:

```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> sequence 1
se-10-0-0-0(cusp-config-trigger-seq)> proxy-route uri-component scheme sip
```

The following example configures the trigger to fire when the host component equals 10.3.29.107:

```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> sequence 1
se-10-0-0-0(cusp-config-trigger-seq)> proxy-route uri-component host 10.3.29.107
```

The following example configures the trigger to fire when the port component equals 5060:

```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> sequence 1
se-10-0-0-0(cusp-config-trigger-seq)> proxy-route uri-component port 5060
```

The following example configures the trigger to fire when the URI equals sip:9495550101@10.3.29.107:

```
se-10-0-0-0(cusp-config)> trigger condition t1  
se-10-0-0-0(cusp-config-trigger)> sequence 1  
se-10-0-0-0(cusp-config-trigger-seq)> proxy-route uri-component uri  
sip:9495550101@10.3.29.107
```

The following example removes the user URI component from the trigger condition:

```
se-10-0-0-0(cusp-config)> trigger condition t1  
se-10-0-0-0(cusp-config-trigger)> sequence 1  
se-10-0-0-0(cusp-config-trigger-seq)> no proxy-route uri-component user
```

# proxy-route uri-param

To configure a trigger to fire when matching the regular expression for the specified URI parameter, use the **proxy-route uri-param** command in Cisco Unified SIP Proxy trigger sequence configuration mode. To remove the trigger condition, use the **no** form of this command.

**proxy-route uri-param** *uri-param-name match-string*

**no proxy-route uri-param** *uri-param-name*

## Syntax Description

<i>uri-param-name</i>	Specifies the name of the URI parameter to match. This argument does not accept regular expressions.
<i>match-string</i>	Specifies the value that the parameter must match.

## Command Default

No URI parameter is configured on the trigger condition.

## Command Modes

Cisco Unified SIP Proxy trigger sequence configuration (cusp-config-trigger-seq)

## Command History

Cisco Unified SIP Proxy Version	Modification
1.0	This command was introduced.

## Examples

The following example configures the trigger to fire when the URI parameter transport equals tcp:

```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> sequence 1
se-10-0-0-0(cusp-config-trigger-seq)> proxy-route uri-param transport tcp
```

The following example removes the user URI parameter from the trigger condition:

```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> sequence 1
se-10-0-0-0(cusp-config-trigger-seq)> no proxy-route uri-param transport
```



# remote-ip

To configure a trigger condition in which the trigger is fired on the specific remote IP address of the peer element, use the **remote-ip** command in Cisco Unified SIP Proxy trigger sequence configuration mode. To remove the remote IP address from the trigger condition, use the **no** form of this command.

**remote-ip** *remote-ip*

**no remote-ip** [*remote-ip*]

## Syntax Description

<i>remote-ip</i>	Specifies the remote IP address.
------------------	----------------------------------

## Command Default

The remote IP address is not configured.

## Command Modes

Cisco Unified SIP Proxy trigger sequence configuration (cusp-config-trigger-seq)

## Command History

Cisco Unified SIP Proxy Version	Modification
1.0	This command was introduced.

## Examples

The following example configures the remote IP address for the trigger condition:

```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> sequence 20
se-10-0-0-0(cusp-config-trigger-seq)> remote-ip 10.1.1.2
```

The following example removes the remote IP address from the trigger condition:

```
se-10-0-0-0(cusp-config)> trigger condition t1 sequence 20
se-10-0-0-0(cusp-config-trigger)> sequence 20
se-10-0-0-0(cusp-config-trigger-seq)> no remote-ip
```

## Related Commands

Command	Description
<b>trigger condition</b>	Creates a trigger condition and enters Cisco Unified SIP Proxy trigger configuration mode.

# remote-port

To configure a trigger condition in which the trigger is fired on the specific remote port number of the peer element, use the **remote-port** command in Cisco Unified SIP Proxy trigger sequence configuration mode. To remove the remote port from the trigger condition, use the **no** form of this command.

**remote-port** *remote-port*

**no remote-port** *remote-port*

<b>Syntax Description</b>	<i>remote-port</i>	Specifies the remote port number.
---------------------------	--------------------	-----------------------------------

<b>Command Default</b>	The remote port number is not configured.
------------------------	---

<b>Command Modes</b>	Cisco Unified SIP Proxy trigger sequence configuration (cusp-config-trigger-seq)
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<b>Command History</b>	<b>Cisco Unified SIP Proxy Version</b>	<b>Modification</b>
	1.0	This command was introduced.

<b>Usage Guidelines</b>	Enter the value of this command as a regular expression.
-------------------------	--

**Examples** The following example configures the remote port for the trigger condition:

```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> sequence 21
se-10-0-0-0(cusp-config-trigger-seq)> remote-port 5060
```

The following example removes the remote port from the trigger condition:

```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> sequence 21
se-10-0-0-0(cusp-config-trigger-seq)> no remote-port
```

<b>Related Commands</b>	<b>Command</b>	<b>Description</b>
		<b>trigger condition</b>

# request-uri uri-component

To configure a trigger to fire when matching the regular expression for the specified URI component, use the **request-uri uri-component** command in Cisco Unified SIP Proxy trigger sequence configuration mode. To remove the trigger condition, use the **no** form of this command.

```
request-uri uri-component host host | port port | scheme scheme | uri uri | user user
```

```
no request-uri uri-component host host | port port | scheme scheme | uri uri | user user
```

## Syntax Description

<b>host</b> <i>host</i>	Specifies the value that the host URI component must match.
<b>port</b> <i>port</i>	Specifies the value that the port URI component must match.
<b>scheme</b> <i>scheme</i>	Specifies the value that the scheme URI component must match.
<b>uri</b> <i>uri</i>	Specifies the value that the URI URI component must match.
<b>user</b> <i>user</i>	Specifies the value that the user URI component must match.

## Command Default

No URI component is configured on the trigger condition.

## Command Modes

Cisco Unified SIP Proxy trigger sequence configuration (cusp-config-trigger-seq)

## Command History

Cisco Unified SIP Proxy Version	Modification
1.0	This command was introduced.

## Examples

The following example configures the trigger to fire when the user component equals 949:

```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> sequence 1
se-10-0-0-0(cusp-config-trigger-seq)> request-uri uri-component user 949
```

The following example configures the trigger to fire when the scheme component equals sip:

```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> sequence 1
se-10-0-0-0(cusp-config-trigger-seq)> request-uri uri-component scheme sip
```

The following example configures the trigger to fire when the host component equals 10.3.29.107:

```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> sequence 1
se-10-0-0-0(cusp-config-trigger-seq)> request-uri uri-component host 10.3.29.107
```

The following example configures the trigger to fire when the port component equals 5060:

```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> sequence 1
se-10-0-0-0(cusp-config-trigger-seq)> request-uri uri-component port 5060
```

The following example configures the trigger to fire when the URI equals sip:9495550101@10.3.29.107:

```
se-10-0-0-0(cusp-config)> trigger condition t1  
se-10-0-0-0(cusp-config-trigger)> sequence 1  
se-10-0-0-0(cusp-config-trigger-seq)> request-uri uri-component uri  
sip:9495550101@10.3.29.107
```

The following example removes the user URI component from the trigger condition:

```
se-10-0-0-0(cusp-config)> trigger condition t1  
se-10-0-0-0(cusp-config-trigger)> sequence 1  
se-10-0-0-0(cusp-config-trigger-seq)> no request-uri uri-component user
```

## request-uri uri-param

To configure a trigger to fire when matching the regular expression for the specified URI parameter, use the **request-uri uri-param** command in Cisco Unified SIP Proxy trigger sequence configuration mode. To remove the trigger condition, use the **no** form of this command.

**request-uri uri-param** *uri-param-name* *match-string*

**no request-uri uri-param** *uri-param-name*

### Syntax Description

<i>uri-param-name</i>	Specifies the name of the URI parameter to match. This argument does not accept regular expressions.
<i>match-string</i>	Specifies the value that the parameter must match.

### Command Default

No URI parameter is configured on the trigger condition.

### Command Modes

Cisco Unified SIP Proxy trigger sequence configuration (cusp-config-trigger-seq)

### Command History

Cisco Unified SIP Proxy Version	Modification
1.0	This command was introduced.

### Examples

The following example configures the trigger to fire when the URI parameter transport equals tcp:

```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> sequence 1
se-10-0-0-0(cusp-config-trigger-seq)> request-uri uri-param transport tcp
```

The following example removes the user URI parameter from the trigger condition:

```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> sequence 1
se-10-0-0-0(cusp-config-trigger-seq)> no request-uri uri-component transport
```

# response-code

To configure a trigger condition to fire on a specific response, use the **response-code** command in Cisco Unified SIP Proxy trigger sequence configuration mode. To remove the response code from the trigger condition, use the **no** form of this command.

**response-code** *code*

**no response-code** *code*

<b>Syntax Description</b>	<i>code</i>	Specifies the SIP response code for the trigger condition. This can be a number, or it can be configured in the following format: N(/d){2}, where N is the number for the class response. For example, you would enter 2 for 2xx responses.
---------------------------	-------------	---

**Command Default** No response code is configured.

**Command Modes** Cisco Unified SIP Proxy trigger sequence configuration (cusp-config-trigger-seq)

<b>Command History</b>	<b>Cisco Unified SIP Proxy Version</b>	<b>Modification</b>
	1.0	This command was introduced.

**Examples** The following example configures the response code for a trigger condition to 408:

```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> sequence 4
se-10-0-0-0(cusp-config-trigger-seq)> response-code 408
```

The following example removes the response code from the trigger condition:

```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> sequence 4
se-10-0-0-0(cusp-config-trigger-seq)> no response-code
```

<b>Related Commands</b>	<b>Command</b>	<b>Description</b>
	<b>trigger condition</b>	Creates a trigger condition and enters Cisco Unified SIP Proxy trigger configuration mode.

# time

To configure the trigger to fire if the specified time policy is met, use the **time** command in Cisco Unified SIP Proxy trigger sequence configuration mode. To remove the time policy, use the **no** form of this command.

**time** *policy*

**no time**

<b>Syntax Description</b>	<i>policy</i>	Specifies the time policy previously configured using the <b>policy time</b> command.
---------------------------	---------------	---

**Command Default** No time policy is configured.

**Command Modes** Cisco Unified SIP Proxy trigger sequence configuration (cusp-config-trigger-seq)

<b>Command History</b>	<b>Cisco Unified SIP Proxy Version</b>	<b>Modification</b>
	1.0	This command was introduced.

**Examples** The following example configures the trigger condition t1 to fire when the time policy fridays is met:

```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> sequence 1
se-10-0-0-0(cusp-config-trigger-seq)> time fridays
```

The following example removes the the trigger condition using time policy:

```
se-10-0-0-0(cusp-config-rg)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> sequence 1
se-10-0-0-0(cusp-config-trigger-seq)> no time
```

<b>Related Commands</b>	<b>Command</b>	<b>Description</b>
	<b>trigger condition</b>	Creates a trigger condition and enters Cisco Unified SIP Proxy trigger configuration mode.

# user-agent-hdr

To configure a trigger condition to fire on the value of the User Agent header field, use the **user-agent-hdr** command in Cisco Unified SIP Proxy trigger sequence configuration mode. To remove the trigger condition, use the **no** form of this command.

**user-agent-hdr** *user-agent-hdr-value*

**no user-agent-hdr** *user-agent-hdr-value*

## Syntax Description

<i>user-agent-hdr-value</i>	Specifies the user-agent header field.
-----------------------------	--

## Command Default

The user-agent header field is not configured.

## Command Modes

Cisco Unified SIP Proxy trigger sequence configuration (cusp-config-trigger)

## Command History

Cisco Unified SIP Proxy Version	Modification
1.0	This command was introduced.

## Usage Guidelines

The value of this command is entered as a regular expression.

## Examples

The following example configures the user agent header for a trigger condition:

```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> sequence 26
se-10-0-0-0(cusp-config-trigger-seq)> user-agent-hdr Cisco SIPGateway/IOS-12.x
```

The following example removes the user agent header from the trigger condition:

```
se-10-0-0-0(cusp-config)> trigger condition t1
se-10-0-0-0(cusp-config-trigger)> sequence 26
se-10-0-0-0(cusp-config-trigger-seq)> no user-agent-hdr
```

## Related Commands

Command	Description
<b>trigger condition</b>	Creates a trigger condition and enters Cisco Unified SIP Proxy trigger configuration mode.



■ user-agent-hdr

■ user-agent-hdr