

Configure Triggers

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View and Delete Triggers

Procedure

Step 1 Choose **Configure** > **Triggers**.

The system displays the Triggers page and displays all triggers.

Step 2 To view the condition cases associated with this trigger, click the trigger name.

Step 3 To delete a trigger, do the following:

a) Check the check box and select the trigger name.

b) Click **Remove**.

c) In the CCCSP header, click **Commit Candidate Configuration** to commit this change.

About Triggers

A trigger is a set of conditions that can be used to dictate routing and normalization logic. It is automatically executed in response to a certain event (or condition case). Conditions can have multiple cases.

Note the structure:

- A trigger is made up of one or more rules.
- A rule is made up of one or more conditions.
- A condition is made up of one or more cases.

For information on available triggers, see Available Trigger Conditions and Cases, on page 2.

Example of a Trigger

You might have a trigger called New_Trigger. New_Trigger might have three rules, numbered 1, 2, and 3. Each rule has at least one condition and each condition has a case.

Table 1: Structure for the Trigger Called New_Trigger

Trigger Rules			
	Logic	Condition	
1		Inbound Network is exactly ‘100’	AND
		Local IP Address is exactly ‘100.10.10.101’	AND
		SIP Message request	
2	OR	Time Of Day is exactly ‘200’	AND
		Mid-Dialog	AND
		SIP Method UPDATE	
3	OR	Outbound Network is exactly ‘300’	AND
		Transport Protocol tcp	

In the previous table, the trigger is called New_Trigger. New_Trigger has three rules. Because of the “OR” logic, only one of the three rules has to be true before the trigger is launched.

Rule 1 has three conditions:

- Inbound Network is exactly ‘100’
- Local IP Address is exactly ‘100.10.10.101’
- SIP Message request

Because of the “AND” logic, all three conditions must be true before the rule is true.

In the condition “Inbound Network is exactly ‘100’”, the condition is “Inbound Network” and the case is “is exactly ‘100’”.

Available Trigger Conditions and Cases

The table lists the available trigger conditions and cases.

Table 2: Available Trigger Conditions and Cases

Trigger Name	Trigger Description	Trigger Condition Case
Inbound Network	Configures the inbound network for a trigger condition for a server-side transaction.	Enter the case: • is exactly (default) • contains • starts with • ends with • regex Enter the condition: • IP for remote IP address
Outbound Network	Configures the outbound network for a trigger condition for a client-side transaction.	Enter the case: • is exactly (default) • contains • starts with • ends with • regex Enter the condition: • IP for remote IP address
Local IP Address	Assigns a local-listen IP address that accepts incoming requests to a trigger condition.	Enter the case: • is exactly (default) • contains • starts with • ends with • regex Enter the condition: • IP for remote IP address

Trigger Name	Trigger Description	Trigger Condition Case
Local Port	Assigns a local-listen port to a trigger condition.	Enter the case: • is exactly (default) • contains • starts with • ends with • regex Enter the condition: • IP for remote IP address
Remote IP Address	Configures the remote IP network for a trigger condition.	Enter the case: • is exactly (default) • contains • starts with • ends with • regex Enter the condition: • IP for remote IP address
Remote Port	Configures the remote port for a trigger condition.	Enter the case: • is exactly (default) • contains • starts with • ends with • regex Enter the condition: • IP for remote IP address
SIP Message	Determines whether the trigger condition will fire based on whether the headers in the SIP message are request or response headers.	Enter the case: • request (default) • response

Trigger Name	Trigger Description	Trigger Condition Case
SIP Method	Configures a trigger condition in which the trigger is fired on the given SIP method name in the request.	• INVITE (default) • ACK • PRACK • UPDATE • BYE • REFER • INFO • MESSAGE • OPTIONS • SUBSCRIBE • NOTIFY • REGISTER • PUBLISH • regular expression
SIP Response Code	Configures a trigger condition to fire on a specific response.	Enter the case: • is exactly (default) • contains • starts with • ends with • regex Enter the condition: • IP for remote IP address

Trigger Name	Trigger Description	Trigger Condition Case
SIP Header	Configures the trigger to fire when matching the regular expression for this header.	Set the SIP header name. Choose the SIP header index: • first (default) • last • all Choose the type of match: • is exactly (default) • contains • starts with • ends with • regex
Mid-Dialog	Configures the trigger to fire on mid-dialog responses.	none
Time Of Day	Configures the trigger to fire if the specified time policy is met.	Enter the case: • is exactly (default) • contains • starts with • ends with • regex Enter the condition: • IP for remote IP address
Transport Protocol	Assigns a transport protocol to the trigger condition.	Enter the case: • none (default) • udp • tcp • tls

Trigger Name	Trigger Description	Trigger Condition Case
Proxy Route	Ability to configure proxy route rule.	Choose the parameter: • uri (default) • uri-user • uri-host • uri-port • uri-scheme • uri-parameter • header-parameter Choose the type of match: • is exactly (default) • contains • starts with • ends with • regex Enter the condition: • IP for remote IP address

Trigger Name	Trigger Description	Trigger Condition Case
Request URI	Configures a trigger to fire when matching the regular expression for the specified Uniform Resource Identifier (URI) parameter.	Choose the parameter: • uri (default) • uri-user • uri-host • uri-port • uri-scheme • uri-parameter • header-parameter Choose the type of match: • is exactly (default) • contains • starts with • ends with • regex Enter the condition: • IP for remote IP address

Add a Trigger

Restriction You cannot change the name of an existing trigger, so choose the name carefully.

Procedure

Step 1 Choose **Configure** > **Triggers**.

The system displays the Triggers page.

Step 2 Click **Add**.

The system displays the Trigger (New) page.

Step 3 Enter a name for this trigger.

Step 4 To have only one rule apply before the trigger is activated (that is, to apply “OR” logic), check the **Logic** check-box to add logic to the rule.

Step 5 Click **Add**.

The system displays the Trigger **'<name of the trigger>'** Conditions page.

Step 6 Add rules to the trigger. See *View, Add, Move, and Delete Rules for a Trigger*.

Step 7 In the CCCSP header, click **Commit Candidate Configuration** to commit this change.

View, Add, Move, and Delete Rules for a Trigger

Before you begin

Add a trigger. See *Add a Trigger*.

Procedure

Step 1 Choose **Configure** > **Triggers**.

The system displays the **Triggers** page.

Step 2 To view the rules for a trigger, click the name of the trigger.

The system displays the Trigger **'<name of the trigger>'** Rules page.

Step 3 To add a rule for a trigger, do the following:

a) Click **Add**. The system displays the Trigger **'<name of the trigger>'** Conditions page.
b) Add conditions. See Add, Edit, and Delete Conditions for a Trigger Rule, on page 10.

Step 4 To delete a rule for a trigger, do the following:

a) Check the check box of a rule to delete.
b) Click **Remove**.

Step 5 If your trigger has multiple rules, do the following to reorder them:

Tip
The trigger fires as soon as a rule is matched. To optimize the system, we recommend that you put the rule most likely to match at the top of the list.

a) Select the rule.
b) Click the up or down arrows.
c) Click **Update**.

Step 6 In the CCCSP header, click **Commit Candidate Configuration** to commit this change.

Add, Edit, and Delete Conditions for a Trigger Rule

Before you begin

- Add a trigger and rules for the trigger. See Add a Trigger, on page 8 and View, Add, Move, and Delete Rules for a Trigger, on page 9.

Note

- You cannot add condition cases to existing rules. You can only add condition cases to a rule when you originally create the rule.
- You cannot edit existing conditions attached to a rule.
- You cannot delete a condition case from a rule.

Procedure

Step 1 Choose **Configure** > **Triggers**.

The system displays the Triggers page.

Step 2 Click the underlined name of the trigger.

The system displays the Trigger **'<name of the trigger>'** Rules page.

Step 3 To add a rule, click **Add**.

The system displays the Trigger **'<name of the trigger>'** Conditions page. You are automatically adding a new rule by being on this page. This page is where you add conditions to the new rule.

Step 4 To add a condition, do the following:

a) Select a condition from the Trigger Condition drop-down menu. See Available Trigger Conditions and Cases, on page 2.
b) If necessary, select a condition case.
c) If necessary, enter a condition to match.
d) Click **Add**.

The system displays the Trigger **'<name of the trigger>'** Conditions page with the new condition.

Step 5 Add additional conditions to this rule as needed.