



# Cisco Unified SIP Proxy Accounting Commands

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Last Updated: November 1, 2020

- **accounting**
  - **client-side**
  - **enable (accounting)**
  - **event**
  - **header (accounting)**
  - **server-side**

# accounting

To enter accounting configuration mode, use the **accounting** command in Cisco Unified SIP Proxy configuration mode. To change the accounting configuration to the factory default values, use the **no** or **default** form of this command.

**accounting**

**no accounting**

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

**Command Default** RADIUS accounting is not enabled.

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

## Command History

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

## Examples

The following example enters accounting configuration mode to configure RADIUS accounting:

```
se-10-0-0-0(cusp-config) > accounting
se-10-0-0-0(cusp-config-acct) >
```

The following example returns all values entered in accounting configuration mode to the default values:

```
se-10-0-0-0(cusp-config) > no accounting
```

## Related Commands

Command	Description
<b>client-side</b>	Enables RADIUS accounting on the client side.
<b>enable (accounting)</b>	Enables RADIUS accounting on the Cisco Unified SIP Proxy.
<b>event</b>	Configures a RADIUS accounting event.
<b>header (accounting)</b>	Configures a header for RADIUS accounting.
<b>server-side</b>	Enables RADIUS accounting on the server side.

# client-side

To enable RADIUS accounting on the client side, use the **client-side** command in Cisco Unified SIP Proxy accounting configuration mode. To disable RADIUS accounting on the client side, use the **no** form of this command.

**client-side**

**no client-side**

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

**Command Default** RADIUS client side accounting is disabled.

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

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

**Usage Guidelines** Client side accounting refers to the accounting of the side of the call where the REP SIP element (Cisco Unified SIP Proxy in this case) acts as a client, sending requests (sending INVITE/BYE). The accounting for the client side of the call is configurable to be enabled or disabled on a global basis (on a node). After being enabled, the accounting behavior is further defined by the accounting triggers, defined for client side transactions.

**Examples** The following example enables RADIUS accounting on the client side:

```
se-10-0-0-0(cusp-config) > accounting
se-10-0-0-0(cusp-config-acct) > enable
se-10-0-0-0(cusp-config-acct) > client-side
```

The following example disables RADIUS accounting on the client side:

```
se-10-0-0-0(cusp-config) > accounting
se-10-0-0-0(cusp-config-acct) > no client-side
```

Related Commands	Command	Description
	<b>accounting</b>	Enters RADIUS accounting configuration mode.
	<b>enable (accounting)</b>	Enables/disables RADIUS accounting.
	<b>event</b>	Configures a RADIUS accounting event.
	<b>header (accounting)</b>	Configures a header for RADIUS accounting.
	<b>server-side</b>	Enables RADIUS accounting on the server side.

## enable (accounting)

To enable RADIUS accounting on the Cisco Unified SIP Proxy, use the **enable** command in Cisco Unified SIP Proxy accounting configuration mode. To disable RADIUS accounting, use the **no** form of this command.

**enable**

**no enable**

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

**Command Default** RADIUS accounting is disabled.

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

### Command History

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

### Usage Guidelines

When you enter the **enable** command, all the accounting-related command settings take effect. If the commands were not modified, then the default configuration values take effect.

If RADIUS accounting is disabled, no accounting is done even if the **client-side** and **server-side** commands are enabled. If RADIUS accounting is enabled, accounting takes place on the client side if the **client-side** command is enabled and on the server side if the **server-side** command is enabled.

### Examples

The following example enables RADIUS accounting:

```
se-10-0-0-0 (cusp-config) > accounting
se-10-0-0-0 (cusp-config-acct) > enable
```

The following example disables RADIUS accounting and overrides all other settings on the Cisco Unified SIP Proxy:

```
se-10-0-0-0 (cusp-config) > accounting
se-10-0-0-0 (cusp-config-acct) > no enable
```

### Related Commands

Command	Description
<b>accounting</b>	Enters RADIUS accounting configuration mode.
<b>client-side</b>	Enables RADIUS accounting on the client side.
<b>event</b>	Configures a RADIUS accounting event.
<b>header (accounting)</b>	Configures a header for RADIUS accounting.
<b>server-side</b>	Enables RADIUS accounting on the server side.

# event

To configure RADIUS accounting events, use the **event** command in Cisco Unified SIP Proxy accounting configuration mode. To remove RADIUS accounting events, use the **no** form of this command.

**event** {**server** | **client**} {**request** | **response**} **sequence** *sequence-number* {**start** | **interim** | **stop** | **stop-fail**} [**condition** *condition*]

**no event** {**server** | **client**} {**request** | **response**} **sequence** *sequence-number* {**start** | **interim** | **stop** | **stop-fail**} [**condition** *condition*]

Syntax Description		
<b>server</b>		Enables the RADIUS accounting event on the server side.
<b>client</b>		Enables the RADIUS accounting event on the client side.
<b>request</b>		Enables the RADIUS accounting event to take place on receiving a SIP request.
<b>response</b>		Enables the RADIUS accounting event to take place on receiving a SIP response.
<b>sequence</b> <i>sequence-number</i>		Specifies the sequence number for the RADIUS accounting event.
<b>start</b>		Enables a RADIUS accounting start event. A start event is for a successful call setup, for example, a 200 Ok response to an INVITE request.
<b>interim</b>		Enables a RADIUS accounting interim event. An interim event is for mid-dialog, for example a re-INVITE request.
<b>stop</b>		Enables a RADIUS accounting stop event. A stop event is for a successful completion for a call, for example, a BYE request.
<b>stop-fail</b>		Enables a RADIUS accounting stop-fail event. A stop-fail event is for a call setup failure, for example, a non-200 final response to an INVITE request.
<b>condition</b> <i>condition</i>		(Optional) Specifies the name of a condition configured using the <b>trigger condition</b> command.

**Command Default** None

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

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

**Examples**

The following example configures a RADIUS Start event to be sent if trigger condition c1 is satisfied when a request is received on the server transaction side:

```
se-10-0-0-0(cusp-config) > accounting
se-10-0-0-0(cusp-config-acct) > event server request sequence 1 start condition c1
```

The following example configures a RADIUS Stop event that is sent unconditionally when a response is received on the server transaction side:

```
se-10-0-0-0(cusp-config) > accounting
se-10-0-0-0(cusp-config-acct) > event client response sequence 1 stop
```

The following example removes RADIUS accounting on the server side for the start event on request transactions:

```
se-10-0-0-0(cusp-config) > accounting
se-10-0-0-0(cusp-config-acct) > no event server request sequence 1 start
```

**Related Commands**

<b>Command</b>	<b>Description</b>
<b>accounting</b>	Enters RADIUS accounting configuration mode.
<b>client-side</b>	Enables RADIUS accounting on the client side.
<b>enable (accounting)</b>	Enables or disables RADIUS accounting.
<b>header (accounting)</b>	Configures a header for RADIUS accounting.
<b>server-side</b>	Enables RADIUS accounting on the server side.
<b>trigger condition</b>	Creates a trigger condition and enters Cisco Unified SIP Proxy trigger configuration mode.

## header (accounting)

To configure which SIP headers are to be included in RADIUS messages, use the **header** command in Cisco Unified SIP Proxy accounting configuration mode. To remove the SIP headers from the RADIUS messages, use the **no** form of this command.

```
header header-name {request | response}
```

```
no header header-name {request | response}
```

### Syntax Description

<i>header-name</i>	Specifies the name of the SIP header. In Cisco Unified SIP Proxy 1.0, the <b>via</b> header is the only SIP header supported for RADIUS accounting events.
<b>request</b>	Specifies that SIP request headers are included in RADIUS messages.
<b>response</b>	Specifies that SIP response headers are included in RADIUS messages.

### Command Default

None

### Command Modes

Cisco Unified SIP Proxy accounting configuration (cusp-config-acct)

### Command History

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

### Usage Guidelines

The headers specified with this command are only added to Start and Interim RADIUS messages (as configured using the **event** command). For Stop messages, the headers are only present for Stop-fail events.

### Examples

The following example adds a via header from the request SIP message to the RADIUS accounting message:

```
se-10-0-0-0(cusp-config) > accounting
se-10-0-0-0(cusp-config-acct) > header via request
```

The following example removes the via header obtained from the request SIP message from the RADIUS accounting record:

```
se-10-0-0-0(cusp-config) > accounting
se-10-0-0-0(cusp-config-acct) > no header via request
```

**header (accounting)**

<b>Related Commands</b>	<b>Command</b>	<b>Description</b>
	<b>accounting</b>	Enters RADIUS accounting configuration mode.
	<b>client-side</b>	Enables RADIUS accounting on the client side.
	<b>enable (accounting)</b>	Enables or disables RADIUS accounting.
	<b>event</b>	Configures a RADIUS accounting event.
	<b>server-side</b>	Enables RADIUS accounting on the server side.



# server-side

To enable RADIUS accounting on the server side, use the **server-side** command in Cisco Unified SIP Proxy accounting configuration mode. To disable RADIUS accounting on the server side, use the **no** form of this command.

**server side**

**no server side**

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

**Command Default** RADIUS server side accounting is disabled.

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

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

**Usage Guidelines** Server side accounting refers to the accounting of the side of the call where the REP SIP element (Cisco Unified SIP Proxy in this case) acts as the server, receiving a transaction request 12 (incoming INVITE/BYE). The accounting for this side of the call is configurable to be enabled or disabled on a global basis (on a node). When enabled, the accounting behavior is further defined by the accounting triggers, defined for server side transactions.

**Examples** The following example enables RADIUS accounting on the server side:

```
se-10-0-0-0(cusp-config) > accounting
se-10-0-0-0(cusp-config-acct) > enable
se-10-0-0-0(cusp-config-acct) > server-side
```

The following example disables RADIUS accounting on the server side:

```
se-10-0-0-0(cusp-config) > accounting
se-10-0-0-0(cusp-config-acct) > no server-side
```

Related Commands	Command	Description
	<b>accounting</b>	Enters RADIUS accounting configuration mode.
	<b>client-side</b>	Enables RADIUS accounting on the client side.
	<b>enable (accounting)</b>	Enables or disables RADIUS accounting.
	<b>event</b>	Configures a RADIUS accounting event.
	<b>header (accounting)</b>	Configures a header for RADIUS accounting.





