



CHAPTER 11

Cisco Unified SIP Proxy Accounting Commands

Last Updated: November 25, 2019

- **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-10-1-0-0(cusp-config) > accounting
se-10-1-0-0(cusp-config-acct) >
```

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

```
se-10-1-0-0(cusp-config) > no accounting
```

Related Commands	Command	Description
	client-side	Enables RADIUS accounting on the client side.
	enable (accounting)	Enables RADIUS accounting on the Cisco Unified SIP Proxy.
	event	Configures a RADIUS accounting event.
	header (accounting)	Configures a header for RADIUS accounting.
	server-side	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-10-1-0-0(cusp-config) > accounting
se-10-1-0-0(cusp-config-acct) > enable
se-10-1-0-0(cusp-config-acct) > client-side
```

The following example disables RADIUS accounting on the client side:

```
se-10-1-0-0(cusp-config) > accounting
se-10-1-0-0(cusp-config-acct) > no client-side
```

Related Commands

Command	Description
accounting	Enters RADIUS accounting configuration mode.
enable (accounting)	Enables/disables RADIUS accounting.
event	Configures a RADIUS accounting event.
header (accounting)	Configures a header for RADIUS accounting.
server-side	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-10-1-0-0 (cusp-config) > accounting
se-10-1-0-0 (cusp-config-acct) > enable
```

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

```
se-10-1-0-0 (cusp-config) > accounting
se-10-1-0-0 (cusp-config-acct) > no enable
```

Related Commands	Command	Description
	accounting	Enters RADIUS accounting configuration mode.
	client-side	Enables RADIUS accounting on the client side.
	event	Configures a RADIUS accounting event.
	header (accounting)	Configures a header for RADIUS accounting.
	server-side	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

server	Enables the RADIUS accounting event on the server side.
client	Enables the RADIUS accounting event on the client side.
request	Enables the RADIUS accounting event to take place on receiving a SIP request.
response	Enables the RADIUS accounting event to take place on receiving a SIP response.
sequence <i>sequence-number</i>	Specifies the sequence number for the RADIUS accounting event.
start	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.
interim	Enables a RADIUS accounting interim event. An interim event is for mid-dialog, for example a re-INVITE request.
stop	Enables a RADIUS accounting stop event. A stop event is for a successful completion for a call, for example, a BYE request.
stop-fail	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.
condition <i>condition</i>	(Optional) Specifies the name of a condition configured using the trigger condition 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-10-1-0-0(cusp-config) > accounting
se-10-1-0-0(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-10-1-0-0(cusp-config) > accounting
se-10-1-0-0(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-10-1-0-0(cusp-config) > accounting
se-10-1-0-0(cusp-config-acct) > no event server request sequence 1 start
```

Related Commands

Command	Description
accounting	Enters RADIUS accounting configuration mode.
client-side	Enables RADIUS accounting on the client side.
enable (accounting)	Enables or disables RADIUS accounting.
header (accounting)	Configures a header for RADIUS accounting.
server-side	Enables RADIUS accounting on the server side.
trigger condition	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 via header is the only SIP header supported for RADIUS accounting events.
request	Specifies that SIP request headers are included in RADIUS messages.
response	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-10-1-0-0(cusp-config) > accounting
se-10-1-0-0(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-10-1-0-0(cusp-config) > accounting
se-10-1-0-0(cusp-config-acct) > no header via request
```

■ header (accounting)

Related Commands	Command	Description
	accounting	Enters RADIUS accounting configuration mode.
	client-side	Enables RADIUS accounting on the client side.
	enable (accounting)	Enables or disables RADIUS accounting.
	event	Configures a RADIUS accounting event.
	server-side	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-10-1-0-0(cusp-config) > accounting
se-10-1-0-0(cusp-config-acct) > enable
se-10-1-0-0(cusp-config-acct) > server-side
```

The following example disables RADIUS accounting on the server side:

```
se-10-1-0-0(cusp-config) > accounting
se-10-1-0-0(cusp-config-acct) > no server-side
```

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

server-side

