



SSG Suppression of Unused Accounting Records

The SSG Suppression of Unused Accounting Records feature allows you to turn off unneeded Service Selection Gateway (SSG) accounting records. You can configure SSG to send per-host accounting records only, per-service accounting records only, or per-host and per-service accounting records.

Feature History for SSG Suppression of Unused Accounting Records Feature

Release	Modification
12.2(16)B	This feature was introduced.
12.3(4)T	This feature was integrated into Cisco IOS Release 12.3(4)T.

Finding Support Information for Platforms and Cisco IOS Software Images

Use Cisco Feature Navigator to find information about platform support and Cisco IOS software image support. Access Cisco Feature Navigator at <http://www.cisco.com/go/fn>. You must have an account on Cisco.com. If you do not have an account or have forgotten your username or password, click **Cancel** at the login dialog box and follow the instructions that appear.

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Information About SSG Suppression of Unused Accounting Records

To configure this feature, you should understand the following concepts:

- [Overview of SSG, page 2](#)
- [SSG Suppression of Unused Accounting Records, page 2](#)

Overview of SSG

Service Selection Gateway (SSG) is a switching solution for service providers who offer intranet, extranet, and Internet connections to subscribers using broadband access technology such as digital subscriber lines (DSL), cable modems, or wireless to allow simultaneous access to network services.

SSG works in conjunction with the Cisco Service Selection Dashboard (SSD) or its successor product, the Cisco Subscriber Edge Services Manager (SESM). Together with the SESM or SSD, SSG provides subscriber authentication, service selection, and service connection capabilities to subscribers of Internet services. Subscribers interact with an SESM or SSD web application using a standard Internet browser.

SSG Suppression of Unused Accounting Records

The SSG Suppression of Unused Accounting Records feature allows you to turn off unneeded SSG accounting. You can configure SSG to send per-host accounting records only, per-service accounting records only, or per-host and per-service accounting records. You can also disable SSG accounting so that no accounting records are sent.

How to Configure SSG Suppression of Unused Accounting Records

This section contains the following procedures:

- [Configuring Per-Service Accounting in a RADIUS Service Profile, page 2](#)
- [Configuring SSG Accounting Per-Host, page 3](#)
- [Configuring SSG Accounting Per-Service, page 3](#)

Configuring Per-Service Accounting in a RADIUS Service Profile

The RADIUS service profile L attribute can be used to enable or disable SSG connection accounting in a service profile.

If SSG accounting is enabled on a router with the **ssg accounting** command, the accounting parameters configured in a service profile take precedence over the accounting parameters configured with the **ssg accounting** command. For example, if both per-host and per-service accounting are configured by using the **ssg accounting** command on the router, but in a service profile accounting is disabled, then per-service accounting records will not be sent for that service.

If **no ssg accounting** is configured on the router, accounting records will not be sent, even if accounting is enabled in a service profile.

To enable or disable SSG connection accounting, configure “enable” or “disable” after the interval configuration, as in the following example of a service profile configuration:

```
Use r= proxy_1 {
9, 251 = 'R122.22.0.0; 255.255.0.0'
9, 251 = 'L0;disable'
}
```

Configuring SSG Accounting Per-Host

Perform this task to enable per-host accounting.

SUMMARY STEPS

- 1. **enable**
- 2. **configure terminal**
- 3. **ssg accounting per-host interval *seconds***

DETAILED STEPS

	Command or Action	Purpose
Step 1	enable Example: Router> enable	Enables privileged EXEC mode. • Enter your password if prompted.
Step 2	configure terminal Example: Router# configure terminal	Enters global configuration mode.
Step 3	ssg accounting per-host interval <i>seconds</i> Example: Router(config)# ssg accounting interval 60	Enables SSG per-host accounting and specifies the interval at which accounting updates are sent to the accounting server.

Configuring SSG Accounting Per-Service

Perform this task to configure SSG per-service accounting.

SUMMARY STEPS

- 1. **enable**
- 2. **configure terminal**
- 3. **ssg accounting per-service interval *seconds***

DETAILED STEPS

	Command or Action	Purpose
Step 1	enable Example: Router> enable	Enables privileged EXEC mode. • Enter your password if prompted.
Step 2	configure terminal Example: Router# configure terminal	Enters global configuration mode.
Step 3	ssg accounting per-service interval <i>seconds</i> Example: Router(config)# ssg accounting interval 60	Enables SSG per-service accounting and specifies the interval at which accounting updates are sent to the accounting server

Configuration Examples for SSG Suppression of Unused Accounting Records

- [Configuring SSG Accounting Per-Host: Example, page 5](#)
- [Configuring SSG Accounting Per-Service: Example, page 5](#)

Configuring SSG Accounting Per-Host: Example

The following example configures SSG accounting per-host:

```
Router(config)# ssg accounting per-host interval 80
```

Configuring SSG Accounting Per-Service: Example

The following example configures SSG accounting per-service:

```
Router(config)# ssg accounting per-service interval 80
```

Additional References

The following sections provide references related to SSG Suppression of Unused Accounting Records.

Related Documents

Related Topic	Document Title
SSG commands	<i>Cisco IOS Wide-Area Networking Command Reference</i> , Release 12.3 T
SSG configuration tasks	<i>Service Selection Gateway</i> , 12.3(4)T new-feature document <i>Service Selection Gateway Accounting Update Interval per Service</i> , 12.2(13)T new-feature document <i>Service Selection Gateway Hierarchical Policing</i> , 12.2(13)T new-feature document <i>SSG AutoDomain</i> , 12.2(13)T new-feature document <i>SSG Autologoff Enhancement</i> , 12.3(4)T new-feature document <i>SSG Autologon Using Proxy Radius</i> , 12.2(13)T new-feature document <i>SSG Autologoff</i> , 12.2(13)T new-feature document <i>SSG Proxy for CDMA2000</i> , 12.3(4)T new-feature document <i>SSG Direction Configuration for Interfaces and Ranges</i> , 12.3(4)T new-feature document <i>SSG EAP Transparency</i> , 12.3(4)T new-feature document <i>SSG L2TP Dial-Out</i> , 12.3(4)T new-feature document <i>SSG Open Garden</i> , 12.2(13)T new-feature document <i>SSG Port-Bundle Host Key</i> , 12.2(13)T new-feature document <i>SSG Prepaid</i> , 12.2(13)T new-feature document <i>SSG Prepaid Idle Timeout</i> , 12.3(4)T new-feature document <i>SSG Service Profile Caching</i> , 12.3(4)T new-feature document <i>SSG Suppression of Unused Accounting Records</i> , 12.3(4)T new-feature document <i>SSG TCP Redirect for Services</i> , 12.2(13)T new-feature document <i>SSG Unconfig</i> , 12.3(4)T new-feature document <i>SSG Unique Session ID</i> , 12.3(4)T new-feature document
SESM	<i>Cisco Subscriber Edge Services Manager and Subscriber Policy Engine Installation and Configuration Guide</i> <i>Cisco Service Selection Dashboard Installation and Configuration Guide</i> <i>Cisco Service Selection Dashboard Web Developer Guide</i>

Related Topic	Document Title
RADIUS commands	<i>Cisco IOS Security Command Reference</i> , Release 12.3 T
RADIUS configuration tasks	<i>Cisco IOS Security Configuration Guide</i>

Standards

Standards	Title
No new or modified standards are supported by this feature, and support for existing standards has not been modified by this feature.	—

MIBs

MIBs	MIBs Link
No new or modified MIBs are supported by this feature, and support for existing MIBs has not been modified by this feature.	To locate and download MIBs for selected platforms, Cisco IOS releases, and feature sets, use Cisco MIB Locator found at the following URL: http://www.cisco.com/go/mibs

Technical Assistance

Description	Link
Technical Assistance Center (TAC) home page, containing 30,000 pages of searchable technical content, including links to products, technologies, solutions, technical tips, and tools. Registered Cisco.com users can log in from this page to access even more content.	http://www.cisco.com/public/support/tac/home.shtml

Command Reference

This section documents a modified command. All other commands used with this feature are documented in the Cisco IOS Release 12.3 T command reference publications.

- [ssg accounting](#)

ssg accounting

To enable Service Selection Gateway (SSG) accounting, use the **ssg accounting** command in global configuration mode. To disable SSG accounting, use the **no** form of this command.

ssg accounting [**per-host**] [**per-service**] [**interval** *seconds*]

no ssg accounting [**per-host**] [**per-service**] [**interval** *seconds*]

Syntax Description

per-host	(Optional) Enables the sending of per-host accounting records only.
per-service	(Optional) Enables the sending of per-service accounting records only.
interval	(Optional) Specifies the interval at which accounting updates are sent to the accounting server.
<i>seconds</i>	(Optional) Number of seconds after which an accounting update will be sent to the accounting server. The range is from 60 to 2,147,483,647 seconds, in increments of 60 seconds. The value entered will be rounded up to the next multiple of 60. Default is 600.

Defaults

Accounting is enabled.
The interval is set at 600 seconds.

Command Modes

Global configuration

Command History

Release	Modification
12.0(5)DC	This command was introduced on the Cisco 6400 node route processor.
12.2(4)B	This command was integrated into Cisco IOS Release 12.2(4)B.
12.2(8)T	This command was integrated into Cisco IOS Release 12.2(8)T.
12.2(16)B	The per-host and per-service keywords were added.
12.3(4)T	The per-host and per-service keywords were integrated into Cisco IOS Release 12.3(4)T.

Usage Guidelines

The **ssg accounting** command enables the sending of start, stop, and interim accounting records for hosts and connections.

Examples

The following example shows how to enable the sending of per-host SSG accounting records at intervals of 60 seconds:

```
Router(config)# ssg accounting per-host interval 60
```