



SSG Unique Session ID

Service Selection Gateway (SSG) supports a unique accounting session ID in RADIUS accounting records. The SSG Unique Session ID feature is compatible with existing back-end billing systems and meets the requirements for the support of wide-area networks based on IEEE 802.11b technology.

Feature Specifications for the SSG Unique Session ID Feature

Feature History

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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Prerequisites for SSG Unique Session ID

SSG must be enabled by using the **ssg enable** command before this feature can be configured.

The RADIUS server should be configured and operational when the SSG Unique Session ID feature is being used.

Information About SSG Unique Session ID

To configure the SSG Unique Session ID feature, you must understand the following concepts:

- [SSG Overview, page 2](#)
- [SSG Unique Session ID for RADIUS Accounting Records, page 2](#)

SSG Overview

The 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. It is a combined hardware and software solution that helps service providers provide differentiated kinds of services to users connecting through different mediums. SSG also offers user authentication and accounting features.

SSG Unique Session ID for RADIUS Accounting Records

Before the introduction of this feature, SSG did not support a unique accounting session ID in RADIUS accounting records. The SSG Unique Session ID feature adds the ability to create a unique RADIUS accounting session ID by appending the client's IP address to the session number. The feature applies to accounting packets generated by SSG for host accounting or connection accounting records.

The SSG Unique Session ID feature is compatible with existing back-end billing systems and meets the requirements for the support of wide-area networks based on IEEE 802.11b technology.

How to Enable SSG Unique Session ID

This section contains the following procedure:

- [Enabling SSG Unique Session ID, page 2](#) (required)

Enabling SSG Unique Session ID

Perform the following task to configure SSG to append the client IP address to the RADIUS accounting session ID.

SUMMARY STEPS

1. **enable**
2. **configure terminal**

3. **ssg enable**
4. **ssg accounting**
5. **ssg attribute 44 suffix host ip**

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 enable Example: Router(config)# ssg enable	Enables SSG.
Step 4	ssg accounting Example: Router(config)# ssg accounting	Enables SSG accounting.
Step 5	ssg attribute 44 suffix host ip Example: Router(config)# ssg attribute 44 suffix host ip	Enables SSG to create a unique accounting session ID by appending the client's IP address to the accounting session number.

Troubleshooting Tips

Use the **show running-config** command to verify the configuration.

Configuration Examples for SSG Unique Session ID

The following example enables SSG unique session ID:

```
ssg enable
!
ssg accounting
ssg attribute 44 suffix host ip
```

Additional References

For additional information related to the SSG Unique Session ID feature, consult the references in the sections that follow.

Related Documents

Related Topic	Document Title
Cisco IOS commands	<i>Cisco IOS Master Commands List</i> , Release 12.3(4)T
RADIUS commands	<i>Cisco IOS Security Command Reference</i> , Release 12.3 T
SSG configuration tasks and commands	<i>Service Selection Gateway</i> , 12.2(8)T new-feature document <i>Service Selection Gateway Accounting Update Interval per Service</i> , 12.2(13)T new-feature document <i>SSG AutoDomain</i> , 12.2(13)T new-feature document <i>Service Selection Gateway Hierarchical Policing</i> , 12.2(13)T new-feature document <i>SSG TCP Redirect for Services</i> , 12.2(13)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 Port-Bundle Host Key</i> , 12.2(13)T new-feature document <i>SSG Open Garden</i> , 12.2(13)T new-feature document <i>SSG Prepaid</i> , 12.2(13)T new-feature document

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 the **ssg attribute 44 suffix host ip** command. All other commands used with this feature are documented in the Cisco IOS Release 12.3 T command reference publications.

ssg attribute 44 suffix host ip

To enable the appending of a client IP address to an accounting session ID to create a unique SSG accounting session ID, use the **ssg attribute 44 suffix host ip** command in global configuration mode. To disable the appending of the IP address, use the **no** form of this command.

ssg attribute 44 suffix host ip

no ssg attribute 44 suffix host ip

Syntax Description

This command has no arguments or keywords.

Defaults

SSG does not append the client IP address to the accounting session ID.

Command Modes

Global configuration

Command History

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

Usage Guidelines

Use the **ssg attribute 44 suffix host ip** command to create a unique session ID by appending the client's IP address to the RADIUS accounting session number (acct-session-id). This functionality applies to accounting packets generated by SSG for host accounting or connection accounting records.

Examples

The following example enables the SSG unique session ID:

```
ssg attribute 44 suffix host ip
```

Related Commands

Command	Description
ssg accounting	Enables SSG accounting.
ssg accounting interval	Specifies the interval at which SSG sends accounting updates to the accounting server.

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