



Secure Socket Layer Protocol Commands

This module describes the commands used to configure the Secure Socket Layer (SSL) protocol.

For detailed information about SSL concepts, configuration tasks, and examples, see the *Implementing Secure Socket Layer on the Cisco ASR 9000 Series Router* module in the *System Security Configuration Guide for Cisco ASR 9000 Series Routers*.

- [show ssl, on page 2](#)

show ssl

To display active Secure Socket Layer (SSL) sessions, use the **show ssl** command.

```
show ssl [process-id]
```

Syntax Description	<i>process-id</i> (Optional) Process ID (PID) of the SSL application. The range is from 1 to 1000000000.
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Command Default	None
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Command Modes	EXEC
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Command History	Release	Modification
	Release 3.7.2	This command was introduced.

Usage Guidelines	To use this command, you must be in a user group associated with a task group that includes appropriate task IDs. If the user group assignment is preventing you from using a command, contact your AAA administrator for assistance.
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To display a specific process, enter the process ID number. To get a specific process ID number, enter **run pidin** from the command line or from a shell.

The absence of any argument produces a display that shows all processes that are running SSL.

Task ID	Task ID	Operations
	crypto	read

Examples

The following sample output is from the **show ssl** command:

```
RP/0/RSP0/CPU0:router# show ssl
```

PID	Method	Type	Peer	Port	Cipher-Suite
1261711	sslv3	Server	172.16.0.5	1296	DES-CBC3-SHA

This table describes the fields shown in the display.

Table 1: show ssl Field Descriptions

Field	Description
PID	Process ID of the SSL application.
Method	Protocol version (sslv2, sslv3, sslv23, or tlsv1).
Type	SSL client or server.

Field	Description
Peer	IP address of the SSL peer.
Port	Port number on which the SSL traffic is sent.
Cipher-Suite	Exact cipher suite chosen for the SSL traffic. The first portion indicates the encryption, the second portion the hash or integrity method. In the sample display, the encryption is Triple DES and the Integrity (message digest algorithm) is SHA.

Related Commands

Command	Description
run pidin	Displays the process ID for all processes that are running.

show ssl