



Secure Socket Layer Protocol Commands on Cisco IOS XR Software

This chapter describes the Cisco IOS XR software 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 Cisco IOS XR Software* configuration module.

show ssl

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

```
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 Modes	EXEC
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Command History	Release	Modification
	Release 2.0	This command was introduced on the Cisco CRS-1.
	Release 3.0	No modification.
	Release 3.2	This command was supported on the Cisco XR 12000 Series Router.

Usage Guidelines

To use this command, you must be in a user group associated with a task group that includes the proper task IDs. For detailed information about user groups and task IDs, see the *Configuring AAA Services on Cisco IOS XR Software* module of the *Cisco IOS XR System Security Configuration Guide*.

To display a specific process, enter its 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.

Examples

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

```
RP/0/RP0/CPU0:router# show ssl
```

```

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

```

Table 15 describes the significant fields shown in the display.

Table 15 *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.
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