



# Secure Socket Layer Protocol Commands

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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 IOS XR Software module in the *System Security Configuration Guide for Cisco CRS Routers*.

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

# show ssl

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

**show ssl** [*process-id*]

<b>Syntax Description</b>	<i>process-id</i> (Optional) Process ID (PID) of the SSL application. The range is from 1 to 1000000000.
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<b>Command Default</b>	None
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<b>Command Modes</b>	EXEC mode
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<b>Command History</b>	<b>Release</b>	<b>Modification</b>
	Release 2.0	This command was introduced.

<b>Usage Guidelines</b>	To display a specific process, enter the process ID number. To get a specific process ID number, enter <b>run pidin</b> from the command line or from a shell.
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The absence of any argument produces a display that shows all processes that are running SSL.

<b>Task ID</b>	<b>Task ID</b>	<b>Operations</b>
	crypto	read

## 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
```

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.
Peer	IP address of the SSL peer.
Port	Port number on which the SSL traffic is sent.

Field	Description
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