



Secure Shell Debug Commands Cisco IOS XR Software

This chapter describes the Cisco IOS XR software Secure Shell (SSH) debug commands.

For high-level, conceptual information about using **debug** commands generally, see *Using Debug Commands on Cisco IOS XR Software*, Release 3.6.0.

debug ssh

To display Secure Shell (SSH) session information, use the **debug ssh** command in EXEC mode. To disable debugging output, use the **no** form of this command.

```
debug ssh { client | kex | server | sftp | traffic }
```

```
no debug ssh { client | kex | server | sftp | traffic }
```

Syntax Description

client	Displays debug information pertaining to the SSH client.
kex	Displays key exchange related information.
server	Displays transactional information for the SSH server.
sftp	Displays transactional information for SFTP clients.
traffic	Displays SSH traffic information.

Defaults

No default behavior or values

Command Modes

EXEC

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.
Release 3.3.0	No modification.
Release 3.4.0	No modification.
Release 3.5.0	No modification.
Release 3.6.0	No modification.
Release 3.7.0	No modification.

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*.

Debugging output is assigned high priority in the CPU process and, therefore, can affect system performance. For more information about the impact on system performance when using debug commands, refer to *Using Debug Commands on Cisco IOS XR Software*.

Task ID

Task ID	Operations
crypto	read

Examples

The following is sample output from the **debug ssh** command using the **server** keyword:

```
RP/0/RP0/CPU0:router# debug ssh server
```

```
RP/0/RP0/CPU0:Aug 28 00:52:19.483 MET2MET,M3.5.0/: SSHD_[320]: SSHD debug detail
```

```
RP/0/RP0/CPU0:Aug 28 00:52:19.556 MET2MET,M3.5.0/: SSHD_[320]: Server listening on port 22
```

```
RP/0/RP0/CPU0:Aug 28 00:52:20.077 MET2MET,M3.5.0/: config[65718]: %MGBL-LIBTARCF
```

