



# Keychain Management Debug Commands on Cisco IOS XR Software

---

This chapter describes the Cisco IOS XR software debug keychain management 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 keychain

To display debug keychain processing information, use the **debug keychain** command in EXEC mode. To disable debugging output, use the **no** form of this command.

```
debug keychain {errors | events} [job jobid]
```

```
no debug keychain {errors | events} [job jobid]
```

## Syntax Description

<b>errors</b>	Displays all keychain-management-related errors.
<b>event</b>	Displays all keychain-management-related events.
<b>job jobid</b>	Specifies the job ID of the keychain client process. Range is from 0 to 4294967295.

## Defaults

No default behavior or values

## Command Modes

EXEC

## Command History

Release	Modification
Release 3.3.0	This command was introduced on the Cisco CRS-1 and Cisco XR 12000 Series Router.
Release 3.4.0	No modification.
Release 3.5.0	No modification.
Release 3.6.0	No modification.
Release 3.7.0	No modification.
Release 3.8.0	No modification.

## Usage Guidelines

To use this command, your Cisco IOS XR software system administrator must assign you to a user group associated with a task group that includes the corresponding command task IDs. If you need assistance with your task group assignment, contact your system administrator. For detailed information about user groups and task IDs, see the *Configuring AAA Services on Cisco IOS XR Software* module of *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
system	read

---

**Examples**

The following is sample output from the **debug keychain** command using the **events** keyword for the job with job ID 23:

```
RP/0/RP0/CPU0:router# debug keychain events job 23
```

