



Watchdog Commands

This module describes commands used to monitor the memory states and thresholds of routers running Cisco IOS XR software.

To use commands of this module, 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 any command, contact your AAA administrator for assistance.

- [show reboot history, on page 2](#)
- [show watchdog, on page 4](#)

show reboot history

To display reboot information for the last graceful reboot, use the `show reboot history` command in XR EXEC mode.

show reboot history [**reverse**] **location** *node-id*

Syntax Description

reverse (Optional) Displays the reverse in chronological order.

location Specifies a node.

node-id Node ID. The *node-id* argument is entered in the *rack/slot/module* notation.

Command Modes

XR EXEC mode

Command History

Release	Modification
Release 5.0.0	This command was introduced.

Usage Guidelines

The reboot history shows all reboot causes that is stored for the previous node resets.

Task ID

Task ID	Operations
system	read

Examples

The following sample output is from the `show reboot history` command:

```
RP/0/RP0/CPU0:router# show reboot history location 0/1/CPU0
```

```

No  Time                               Cause Code  Reason
-----
01  Mon Jul 30 19:27:05 2007  0x2000004f  Cause: MBI-HELLO reloading node on rec
                                eiving reload notification
                                Process: mbi-hello
                                Traceback: fc15b1a0 fc15b290 482
                                0020c fc1d5fb0 0 0
02  Thu Aug 16 16:32:35 2007  0x21000106  Cause: All fabric links down on Fabric
                                q
                                Process: fabricq_mgr
                                Traceback: fc15b1a0 fc15b290 fc9
                                9ded4 fc99ae00 fc99affc fc99affc
03  Thu Aug 16 17:05:20 2007  0x2000004f  Cause: MBI-HELLO reloading node on rec
                                eiving reload notification
                                Process: mbi-hello
                                Traceback: fc15b1a0 fc15b290 482
                                0020c fc1d5fb0 0 0
04  Mon Sep 10 21:01:34 2007  0x21000106  Cause: All fabric links down on Fabric

```

```

q
  Process: fabricq_mgr

      Traceback: fc15b1a0 fc15b290 fc9
05 Mon Sep 10 21:36:10 2007 0x2000004f a3f00 fc9a0e10 fc9a100c fc9a100c
Cause: MBI-HELLO reloading node on rec
eiving reload notification
  Process: mbi-hello

      Traceback: fc1601a0 fc160290 482
06 Wed Oct 10 18:28:53 2007 0x21000106 0020c fc1dcfb0 0 0
Cause: All fabric links down on Fabric
q
  Process: fabricq_mgr

      Traceback: fc1601a0 fc160290 fc9
07 Wed Oct 10 19:04:02 2007 0x2000004f d9f48 fc9d6e58 fc9d7054 fc9d7054
Cause: MBI-HELLO reloading node on rec
eiving reload notification
  Process: mbi-hello

      Traceback: fc160c38 fc160d34 482
08 Wed Oct 10 20:19:39 2007 0x0000004f 0020c fc1ddfb0 0 0
Cause: HBAgent reloading node on recei
ving reload notification
  Process: hbagent

      Traceback: fc160c38 fc160d34 482
09 Wed Oct 10 20:45:53 2007 0x0000004f 00228 fc1ddfb0 0 0
Cause: HBAgent reloading node on recei
ving reload notification
  Process: hbagent

      Traceback: fc160c38 fc160d34 482
10 Thu Oct 11 19:15:55 2007 0x0000004f 00228 fc1ddfb0 0 0
Cause: HBAgent reloading node on recei
ving reload notification
  Process: hbagent

      Traceback: fc160c38 fc160d34 482
00228 fc1ddfb0 0 0

```

show watchdog

To display information about the memory state or threshold memory, use the **show watchdog** command in XR EXEC mode.

show watchdog [{**memory-state** | **overload state** **location** *node-id* | **trace**}] [**threshold memory** {**configured** | **defaults**} **location** *node-id*] [**location** *node-id*]

Syntax Description		
memory-state		(Optional) Displays the memory state.
threshold memory		(Optional) Displays the memory thresholds.
configured		Displays the configured memory thresholds.
defaults		Displays the default system memory thresholds.
location <i>node-id</i>		(Optional) Specifies a node. The <i>node-id</i> argument is entered in the <i>rack/slot/module</i> notation. The location <i>node-id</i> keyword and argument must be specified if the threshold memory keywords are selected.
overload state		(Optional) Displays the overload control state information.
trace		(Optional) Displays the watchdog trace data.

Command Default The command output is not compressed.

Command Modes XR EXEC mode

Command History	Release	Modification
	Release 5.0.0	This command was introduced.

Usage Guidelines Use the **show watchdog** command to display information about the memory states or thresholds for a specified location. You can display the default or configured memory thresholds.

Task ID	Task ID	Operations
	basic-services	read

Examples

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

```
RP/0/RP0/CPU0:router# show watchdog memory-state
```

```
Wed Nov  4 00:18:59.575 UTC
Memory information:
  Physical Memory: 4096      MB
  Free Memory:     2623.671 MB
  Memory State:    Normal
```

Related Commands

Command	Description
watchdog threshold memory	Configures the value of memory available for each alarm threshold.

show watchdog