



# Clear Context Command

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This document describes the **clear context** command introduced with Cisco IOS Release 12.0(17)S.

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## Feature Overview

The **clear context** command provides the ability to clear the information displayed by the **show context** commands on the Cisco 12000 series Internet Router (formerly known as the GSR).

The affected “show” commands are:

- **show context slot <num>**
- **show context all**
- **show context summary.**



**Note**

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The **clear context** command does *not* clear output for the **show context** command when entered with no arguments.

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## Information Displayed by the Show Context Commands

The **show context** commands display the following information (this information is cleared with the **clear context** command):

- Reason for the system reboot
- Stack trace
- Software version
- The signal number, code, and router uptime information
- All the register contents at the time of the crash

## Benefits

The **clear context** command allows technicians and customers to clear information displayed by the **show context** commands. After the data is cleared, only information from any new crashes will appear. This allows users to display only the most recent and relevant information.

## Restrictions

The **clear context** command does *not* clear the **show context** output when **show context** is entered with no arguments.

## Related Documents

- *Cisco IOS Release 12.0 Configuration Fundamentals Command Reference*:  
The chapter “Troubleshooting Commands” in “Part 3: System Management Commands” contains information on the various **show context** commands.

## Supported Platforms

- Cisco IOS 12.0S and 12.0ST release trains of the 12000 series Internet Router (formerly known as the GSR).

## Supported Standards, MIBs, and RFCs

This section does not apply to the **clear context** command.

## Prerequisites

This section does not apply to the **clear context** command.

## Configuration Tasks

This section does not apply to the **clear context** command.

## Command Reference

This section documents the new **clear context** command. All other commands used with this feature are documented in the Cisco IOS Release 12.0 command reference publications.

# clear context

To clear the data displayed by the **show context** commands, use the **clear context EXEC** command.

**clear context [all | slot *num*]**

Syntax Description	all	clear the context data for all slots
	slot <num>	clear the context data for a specified slot

**Defaults** No default behavior or values.

**Command Modes** EXEC

Command History	Release	Modification
	12.0(17)S	This command was introduced.

**Usage Guidelines** The **clear context** command provides the ability to clear the information available in **show context** commands on the Cisco 12000 series Internet Router (formerly known as the GSR).

The affected “show” commands are:

- **show context slot <num>**
- **show context all**
- **show context summary**



**Note**

The **clear context** command does *not* clear the **show context** output when **show context** is entered with no arguments.

**Examples** In the following example, the **clear context** command is used to clear context information for slot 6:

```

bos2#sh context summary
CRASH INFO SUMMARY
  Slot 0 :0 crashes
  Slot 1 :0 crashes
  Slot 2 :0 crashes
  Slot 3 :0 crashes
  Slot 4 :0 crashes
  Slot 5 :0 crashes
  Slot 6 :1 crashes
    1 - crash at 16:27:54 PDT Tue Apr 24 2001
  Slot 7 :0 crashes
RESET INFO SUMMARY
  Slot 0 :0 resets
  Slot 1 :0 resets
  Slot 2 :0 resets

```

```

Slot 3 :0 resets
Slot 4 :0 resets
Slot 5 :0 resets
Slot 6 :0 resets
Slot 7 :0 resets
bos2#show context slot 6
CRASH INFO:Slot 6, Index 1, Crash at 16:27:54 PDT Tue Apr 24 2001

VERSION:
GS Software (GLC1-LC-M), Experimental Version 12.0(20010116:025631) [jbos-conn_isp 204]
Compiled Tue 24-Apr-01 13:42 by jbos
Card Type:4 port ATM Over SONET OC12c/STM-4c, S/N -----
System exception:sig=23, code=0x24, context=0x40FD65D4
System restarted by a Software forced crash
STACK TRACE:
-Traceback= 400B9EC8 40502574 4004D56C 40058EBC 4009D71C 4009D708
CONTEXT:
$0 :00000000, AT :40FD0000, v0 :00000032, v1 :40FD6350
a0 :40058750, a1 :41391840, a2 :00000000, a3 :00000000
t0 :42DDCE00, t1 :8000D510, t2 :34008100, t3 :FFFF00FF
t4 :400BD9D8, t5 :00040000, t6 :00000000, t7 :4149AD98
s0 :0000003C, s1 :00000036, s2 :40FD2C70, s3 :42DDCBA0
s4 :00000000, s5 :00000001, s6 :40FBD880, s7 :00000000
t8 :000083B6, t9 :00000000, k0 :414F66A0, k1 :400BF904
gp :40EA6C40, sp :42DDCB88, s8 :40FC3960, ra :40502574
EPC :0x400B9EC8, SREG :0x3400BF03, Cause :0x00000024
ErrorEPC :0x400AD6D8
bos2#clear context slot 6
bos2#show context slot 6

bos2#show context summary
CRASH INFO SUMMARY
Slot 0 :0 crashes
Slot 1 :0 crashes
Slot 2 :0 crashes
Slot 3 :0 crashes
Slot 4 :0 crashes
Slot 5 :0 crashes
Slot 6 :0 crashes
Slot 7 :0 crashes
RESET INFO SUMMARY
Slot 0 :0 resets
Slot 1 :0 resets
Slot 2 :0 resets
Slot 3 :0 resets
Slot 4 :0 resets
Slot 5 :0 resets
Slot 6 :0 resets
Slot 7 :0 resets

```

**Related Commands**

Command	Description
• <b>show context slot &lt;num&gt;</b>	Displays information for a particular line card.cr
• <b>show context all</b>	Displays all crashes for all the slots. When optionally used with the <b>slot</b> keyword, displays crash information for the specified slot.
• <b>show context summary</b>	Displays a summary of all the crashes recorded.n