



Release Notes for Catalyst 5000 Family Gigabit EtherChannel Switching Module Software Release 6.x

Current Release (October 5, 2001)
6.3(2)

Previous Releases
6.3(1), 6.2(3), 6.2(2), 6.2(1), 6.1(1)

These release notes describe the features, modifications, and caveats for the Catalyst 5000 family Gigabit EtherChannel switching module (WS-X5410) software release 6.x and all 6.x maintenance releases. The current software release is version 6.3(2).



Note

The most current version of these release notes can be found at:

http://www.cisco.com/univercd/cc/td/doc/product/lan/cat5000/c5krm/gig_ec/78_11305.htm

For features, modifications, and caveats for the Catalyst 5000 family supervisor engine software, refer to the appropriate release notes for your Catalyst 5000 family software release.



Note

The Gigabit EtherChannel module has been packaged with the appropriate Gigabit EtherChannel module software. However, before this module can run in your Catalyst 5000 family switch, you must load Catalyst 5000 family supervisor engine software release 4.2(1) or later on your supervisor engine module. Software images are available from Cisco.com, as described in the [“Cisco.com” section on page 9](#).

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GBIC Software Support Matrix

Table 1 lists the minimum and recommended Gigabit EtherChannel software versions for Cisco GBICs.

Table 1 Minimum and Recommended Software Versions

Product Number	Description	Minimum Software Version	Recommended Software Version
WS-G5484=	1000BASE-SX GBIC	4.2(1)	4.5(8)
WS-G5486=	1000BASE-LX/LH GBIC		
WS-G5487=	1000BASE-ZX GBIC	4.5(1)	4.5(8)

Release 6.x Orderable Software Images

Table 2 lists the software images available for the Gigabit EtherChannel module software release 6.x.

Table 2 Gigabit EtherChannel Module Software Ordering Information

Version Number	Filename	Orderable Product Number (Flash on System)	Orderable Product Number (Spare Upgrade – Floppy Media)
6.1(1)	c5gem.6-1-1.bin	SC5K-GEM-6.1.1	SC5K-GEM-6.1.1=
6.2(1)	c5gem.6-2-1.bin	SC5K-GEM-6.2.1	SC5K-GEM-6.2.1=
6.2(2)	c5gem.6-2-2.bin	SC5K-GEM-6.2.2	SC5K-GEM-6.2.2=
6.2(3)	c5gem.6-2-3.bin	SC5K-GEM-6.2.3	SC5K-GEM-6.2.3=

Table 2 Gigabit EtherChannel Module Software Ordering Information (continued)

Version Number	Filename	Orderable Product Number (Flash on System)	Orderable Product Number (Spare Upgrade – Floppy Media)
6.3(1)	c5gem.6-3-1.bin	SC5K-GEM-6.3.1	SC5K-GEM-6.3.1=
6.3(2)	c5gem.6-3-2.bin	SC5K-GEM-6.3.2	SC5K-GEM-6.3.2=

Open and Resolved Caveats in Software Release 6.3(2)

This section describes the open and resolved caveats in Gigabit EtherChannel module software release 6.3(2):

- [Open Caveats in Software Release 6.3\(2\), page 3](#)
- [Resolved Caveats in Software Release 6.3\(2\), page 3](#)

Open Caveats in Software Release 6.3(2)



Note

For a current list of open and resolved caveats, refer to the most recent version of this publication at: http://www.cisco.com/univercd/cc/td/doc/product/lan/cat5000/c5krm/gig_ec/78_11305.htm

This section describes the open caveats in Gigabit EtherChannel module software release 6.3(2):

- If you enable protocol filtering, set some protocols to be filtered on a port, and change the port to a trunk port with the **set trunk** command, the trunk port will have the same settings as it did when it was an access port. When you enter the **show port protocol** command, however, the display shows that all protocols are allowed.

Workaround: If you enable protocol filtering and change a port with a prior configuration of protocol filtering into a trunk port, manually configure the trunk port to allow all protocols. (CSCds05967)

Resolved Caveats in Software Release 6.3(2)

There are no resolved caveats in Gigabit EtherChannel module software release 6.3(2).

Open and Resolved Caveats in Software Release 6.3(1)

This section describes the open and resolved caveats in Gigabit EtherChannel module software release 6.3(1):

- [Open Caveats in Software Release 6.3\(1\), page 4](#)
- [Resolved Caveats in Software Release 6.3\(1\), page 4](#)

Open Caveats in Software Release 6.3(1)

**Note**

For a current list of open and resolved caveats, refer to the most recent version of this publication at: http://www.cisco.com/univercd/cc/td/doc/product/lan/cat5000/c5krm/gig_ec/78_11305.htm

This section describes the open caveats in Gigabit EtherChannel module software release 6.3(1):

- If you enable protocol filtering, set some protocols to be filtered on a port, and change the port to a trunk port with the **set trunk** command, the trunk port will have the same settings as it did when it was an access port. When you enter the **show port protocol** command, however, the display shows that all protocols are allowed.

Workaround: If you enable protocol filtering and change a port with a prior configuration of protocol filtering into a trunk port, manually configure the trunk port to allow all protocols. (CSCds05967)

Resolved Caveats in Software Release 6.3(1)

This section describes the resolved caveats in Gigabit EtherChannel module software release 6.3(1):

- Multicast and broadcast traffic on the WS-X4013 module might lose packets when hosts join or leave a multicast/broadcast group. This problem is resolved in software release 6.3(1). (CSCdp38859)

Open and Resolved Caveats in Software Release 6.2(3)

This section describes the open and resolved caveats in Gigabit EtherChannel module software release 6.2(3):

- [Open Caveats in Software Release 6.2\(3\), page 4](#)
- [Resolved Caveats in Software Release 6.2\(3\), page 5](#)

Open Caveats in Software Release 6.2(3)

**Note**

For a current list of open and resolved caveats, refer to the most recent version of this publication at: http://www.cisco.com/univercd/cc/td/doc/product/lan/cat5000/c5krm/gig_ec/78_11305.htm

This section describes the open caveats in Gigabit EtherChannel module software release 6.2(3):

- Multicast and broadcast traffic on the WS-X4013 module might lose packets when hosts join or leave a multicast/broadcast group. (CSCdp38859)

- If you enable protocol filtering, set some protocols to be filtered on a port, and change the port to a trunk port with the **set trunk** command, the trunk port will have the same settings as it did when it was an access port. When you enter the **show port protocol** command, however, the display shows that all protocols are allowed.

Workaround: If you enable protocol filtering and change a port with a prior configuration of protocol filtering into a trunk port, manually configure the trunk port to allow all protocols. (CSCds05967)

Resolved Caveats in Software Release 6.2(3)

This section describes the resolved caveats in Gigabit EtherChannel module software release 6.2(3):

- Under extremely rare conditions, a switch port may lose the VLAN configuration. An affected trunk port transmits user traffic untagged in the native VLAN. Connectivity to the rest of the network may be impacted if the affected port is an uplink port. Spanning Tree Protocol (STP), Cisco Discovery Protocol (CDP), and other traffic continues to operate normally. This problem is resolved in software release 6.2(3). (CSCdu48749)

Open and Resolved Caveats in Software Release 6.2(2)

This section describes the open and resolved caveats in Gigabit EtherChannel module software release 6.2(2):

- [Open Caveats in Software Release 6.2\(2\), page 5](#)
- [Resolved Caveats in Software Release 6.2\(2\), page 6](#)

Open Caveats in Software Release 6.2(2)



Note

For a current list of open and resolved caveats, refer to the most recent version of this publication at: http://www.cisco.com/univercd/cc/td/doc/product/lan/cat5000/c5krm/gig_ec/78_11305.htm

This section describes the open caveats in Gigabit EtherChannel module software release 6.2(2):

- Multicast and broadcast traffic on the WS-X4013 module might lose packets when hosts join or leave a multicast/broadcast group. (CSCdp38859)
- If you enable protocol filtering, set some protocols to be filtered on a port, and change the port to a trunk port with the **set trunk** command, the trunk port will have the same settings as it did when it was an access port. When you enter the **show port protocol** command, however, the display shows that all protocols are allowed.

Workaround: If you enable protocol filtering and change a port with a prior configuration of protocol filtering into a trunk port, manually configure the trunk port to allow all protocols. (CSCds05967)

Resolved Caveats in Software Release 6.2(2)

This section describes the resolved caveats in Gigabit EtherChannel module software release 6.2(2):

- When an ISL trunk port is connected to an access port and QoS is enabled on the switch that has the ISL trunk, the ISL header sets the USER bits in the destination address. Currently, the supervisor engine drops only the packets with user bits set to 0 and 1 and forwards the packets with other bits set to the access VLAN of the non-trunk port. The forwarded packets do not go through blocked ports. This problem is resolved in software release 6.2(2). (CSCdu10858)

Open and Resolved Caveats in Software Release 6.2(1)

This section describes the open and resolved caveats in Gigabit EtherChannel module software release 6.2(1):

- [Open Caveats in Software Release 6.2\(1\), page 6](#)
- [Resolved Caveats in Software Release 6.2\(1\), page 6](#)

Open Caveats in Software Release 6.2(1)



Note

For a current list of open and resolved caveats, refer to the most recent version of this publication at: http://www.cisco.com/univercd/cc/td/doc/product/lan/cat5000/c5krn/gig_ec/78_11305.htm

There are no open caveats in Gigabit EtherChannel module software release 6.2(1)

Resolved Caveats in Software Release 6.2(1)

This section describes the resolved caveats in Gigabit EtherChannel module software release 6.2(1):

- When you enter the **show cam dynamic** command or issue an snmp host query, you might see the following system message:

```
SYS-4-P2_WARN: 1/Filtering Ethernet MAC address of value zero from agent
host table interface
```

This message indicates that the switch received a packet from a network device with the MAC address 00-00-00-00-00-00. This address is noncompliant and is filtered from the **show cam dynamic** command output. The **clear cam dynamic** command failed to clear this MAC address from the switch's host table. This caveat does not affect the operation of the switch. This problem is resolved in software release 6.2(1). (CSCds69706)

Open and Resolved Caveats in Software Release 6.1(1)

This section describes the open and resolved caveats in Gigabit EtherChannel module software release 6.1(1):

- [Open Caveats in Software Release 6.1\(1\), page 7](#)
- [Resolved Caveats in Software Release 6.1\(1\), page 7](#)

Open Caveats in Software Release 6.1(1)



Note

For a current list of open and resolved caveats, refer to the most recent version of this publication at: http://www.cisco.com/univercd/cc/td/doc/product/lan/cat5000/c5krm/gig_ec/78_11305.htm

There are no open caveats in Gigabit EtherChannel module software release 6.1(1).

Resolved Caveats in Software Release 6.1(1)

This section describes the resolved caveats in Gigabit EtherChannel module software release 6.1(1):

- Many protocols implemented on the Catalyst 5000 family switches (for example, CGMP) require the port location of a particular MAC address. To determine the port location, the system usually needs to sort through the Host Table because SNMP getNext operations use a host's MAC address as an index in the table. This operation is not required to determine the port location of a specific MAC address but is performed anyway. This problem is resolved in software release 6.1(1). (CSCdp90079)

Usage Guidelines, Restrictions, and Troubleshooting

This section describes usage guidelines, restrictions, and troubleshooting information that applies to the Gigabit EtherChannel switching module.

- If a host allowed on one secured port is moved to another previously unused secured port on the same module, the host cannot connect to the network on the second port. Disable port security on the first port, move the host to the second port, and then reenables port security on the first port (if desired). (CSCdk31747)
- Use of the Gigabit EtherChannel module requires Catalyst 5000 family supervisor engine software release 4.2(1) or later with Gigabit EtherChannel module software release 4.2(1) or later.
- If you plan to use the Gigabit EtherChannel module in a Catalyst 5000 switch chassis or with the Supervisor Engine I or II, use Gigabit EtherChannel module software release 4.3(1) or later with supervisor engine software release 4.3(1) or later. Prior to software release 4.3(1), the Gigabit EtherChannel module was not fully tested with this hardware.

Additional Documentation

The following documents are available for Catalyst 5000 family switches:

- Quick Installation Guides—Available for the Catalyst 5002, Catalyst 5000 and Catalyst 5005, Catalyst 5509, and Catalyst 5500
- *Catalyst 5000 Family Installation Guide*
- *Catalyst 5000 Family Supervisor Engine Installation Guide*
- *Catalyst 5000 Family Module Installation Guide*
- *Catalyst 5000 Family Software Configuration Guide*
- *Catalyst 5000 Family Command Reference*

- *System Message Guide—Catalyst 6000 Family, Catalyst 5000 Family, Catalyst 4000 Family, Catalyst 2948G, and Catalyst 2980G Switches*
- *Troubleshooting Tips—Catalyst 6000 Family, Catalyst 5000 Family, Catalyst 4000 Family, Catalyst 2948G, and Catalyst 2980G Switches*

Obtaining Documentation

The following sections provide sources for obtaining documentation from Cisco Systems.

World Wide Web

You can access the most current Cisco documentation on the World Wide Web at the following sites:

- <http://www.cisco.com>
- <http://www-china.cisco.com>
- <http://www-europe.cisco.com>

Documentation CD-ROM

Cisco documentation and additional literature are available in a CD-ROM package, which ships with your product. The Documentation CD-ROM is updated monthly and may be more current than printed documentation. The CD-ROM package is available as a single unit or as an annual subscription.

Ordering Documentation

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http://www.cisco.com/cgi-bin/order/order_root.pl
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To access Cisco.com, go to the following website:

<http://www.cisco.com>

Technical Assistance Center

The Cisco TAC website is available to all customers who need technical assistance with a Cisco product or technology that is under warranty or covered by a maintenance contract.

Contacting TAC by Using the Cisco TAC Website

If you have a priority level 3 (P3) or priority level 4 (P4) problem, contact TAC by going to the TAC website:

<http://www.cisco.com/tac>

P3 and P4 level problems are defined as follows:

- P3—Your network performance is degraded. Network functionality is noticeably impaired, but most business operations continue.

- P4—You need information or assistance on Cisco product capabilities, product installation, or basic product configuration.

In each of the above cases, use the Cisco TAC website to quickly find answers to your questions.

To register for Cisco.com, go to the following website:

<http://www.cisco.com/register/>

If you cannot resolve your technical issue by using the TAC online resources, Cisco.com registered users can open a case online by using the TAC Case Open tool at the following website:

<http://www.cisco.com/tac/caseopen>

Contacting TAC by Telephone

If you have a priority level 1 (P1) or priority level 2 (P2) problem, contact TAC by telephone and immediately open a case. To obtain a directory of toll-free numbers for your country, go to the following website:

<http://www.cisco.com/warp/public/687/Directory/DirTAC.shtml>

P1 and P2 level problems are defined as follows:

- P1—Your production network is down, causing a critical impact to business operations if service is not restored quickly. No workaround is available.
- P2—Your production network is severely degraded, affecting significant aspects of your business operations. No workaround is available.

This document is to be used in conjunction with the *Catalyst 6000 Family Software Configuration Guide* and the *Catalyst 6000 Family Command Reference* publication.

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