CISCO SYSTEMS

®

Doc. No. 78-3828-01

Catalyst 5000 Series Release Notes for FDDI Software Release 2.1(5)

These release notes describe the features, modifications and caveats for the Catalyst 5000 Series FDDI Software Release 2.1(5).

⚠ **Caution**   To run the 802.10 features of Catalyst 5000 Series FDDI Software Release 2.1(5), you must use Catalyst 5000 Series Supervisor Engine Software Release 2.1(2) or above.

Documentation

The following documents are available for the Catalyst 5000 series switch:

*   *Catalyst 5000 Series Installation Guide*

*   *Catalyst 5000 Series Configuration Guide and Command Reference*

Cisco documentation and additional literature are available on a CD called Cisco Connection Documentation, Enterprise Series. The CD is updated and shipped monthly, so it might be more up to date than printed documentation. To order the Cisco Connection Documentation, Enterprise Series CD, contact your local sales representative or call Customer Service. The CD is available both as a single CD and as an annual subscription. You can also access Cisco technical documentation on the World Wide Web URL http://www.cisco.com.

Differences Between FDDI Software Releases 2.1(2) and 2.1(5)

This section describes the Catalyst 5000 Series FDDI Software Release 2.1(2) caveats that were resolved in Catalyst 5000 Series FDDI Software Release 2.1(5):

- The **clear cam dynamic** command may fail to delete some entries in the FDDI cam table. In Catalyst 5000 Series FDDI Software Release 2.1(5), this error has been corrected. (CSCdi60839)

- IP packets with IP lengths greater than 4352 bytes are not supported in Catalyst 5000 Series FDDI Software Release 2.1(2); these packets are dropped by the FDDI interface. This problem has been corrected in Catalyst 5000 Series FDDI Software Release 2.1(5)—IP lengths of up to 4470 bytes are now supported. (CSCdi61244)

- Catalyst 5000 Series FDDI Software Release 2.1(2) does not support the translation of IP frames with 60-byte IP headers; these packets are dropped by the FDDI interface. In Catalyst 5000 Series FDDI Software Release 2.1(5), this problem has been corrected. (CSCdi63784 and CSCdi65577)

- If trunking is enabled on an FDDI module and you dynamically move the native VLAN for FDDI from one VLAN to another, trunking may not function in the VLAN that was previously defined as the native VLAN. In Catalyst 5000 Series FDDI Software Release 2.1(5), this error has been corrected. (CSCdi68694)

Differences Between FDDI Software Releases 1.5 and 2.1(2)

This section describes the Catalyst 5000 Series FDDI Software Release 1.5 caveats that were resolved in Catalyst 5000 Series FDDI Software Release 2.1(2):

- In FDDI software releases prior to 2.1, the FDDI module drops and does not forward IP frames that have a physical MAC length greater than 1525 bytes and an IP packet length less than or equal to 1500. In Catalyst 5000 Series FDDI Software Release 2.1 and above, this problem is corrected—the IP length is checked and if it is less than or equal to 1500 bytes the packet is forwarded. (CSCdi58989)

- If you upgrade the Catalyst 5000 with Catalyst 5000 Series Supervisor Engine Module Software Releases 2.1 or 2.1(2) while the FDDI software is a release prior to 2.1 (such as Catalyst 5000 Series FDDI Software Release 1.5), the FDDI module might fail to come online. To recover from this error, reset the module using the command **reset *mod_num***. In Catalyst 5000 Series FDDI Software Release 2.1(2), this problem has been corrected.(CSCdi60282)

FDDI Software Release 2.1(5) Caveats

This section describes possible unexpected behavior and other miscellaneous caveats for Catalyst 5000 Series FDDI Software Release 2.1(5). The caveats listed here describe only serious problems.

- If an FDDI port is configured as a trunk, under high traffic conditions the supervisor engine module may not be able to access some FDDI module parameters and an error such as "Unable to access the FDDI counters" may appear. (CSCdi63030)

- The FDDI cam table only supports one agingtime value regardless of the number of Ethernet VLANs configured on the FDDI port. To ensure the consistency of the FDDI cam table agingtime, set an equivalent agingtime for all Ethernet VLANs on an FDDI port. (CSCdi63099)

- If an FDDI module fails to come online, the command **show test *mod_num*** may help determine whether the module has been removed. (CSDdi64564)

- If an FDDI module fails to come online, try resetting it. However, if the module fails to come online multiple times, replace it. (CSCdi64572)

- An Ethernet SNAP packet on an 802.10 FDDI trunk is translated into an Ethernet II packet on an outgoing Ethernet port when the organization unique identifier (OUI) is equal to zero. (CSCdi69517)

- The APaRT (Automatic Packet Recognition and Translation) feature is not supported for 802.10 trunking traffic. It is supported only on the native VLAN.

- When you insert or replace FDDI modules, clear the module configuration information, using the command **clear config** *mod_num*, to obtain the correct spanning tree parameters for the modules.

FDDI Software Release 2.1(2) Caveats

This section describes possible unexpected behavior and other miscellaneous caveats for Catalyst 5000 Series FDDI Software Release 2.1(2). The caveats listed here describe only serious problems.

- The **clear cam dynamic** command may fail to delete some entries in the FDDI cam table. As a workaround, use the command **clear cam** *mac-addr* to delete these entries. (CSCdi60839)

- If an FDDI port is configured as a trunk, under high traffic conditions the supervisor engine module may not be able to access some FDDI module parameters and an error such as "Unable to access the FDDI counters" may appear. (CSCdi63030)

- The FDDI cam table only supports one agingtime value regardless of the number of Ethernet VLANs configured on the FDDI port. To ensure the consistency of the FDDI cam table agingtime, set an equivalent agingtime for all Ethernet VLANs on an FDDI port. (CSCdi63099)

- Catalyst 5000 Series FDDI Software Release 2.1(2) does not support the translation of IP frames with 60-byte IP headers. These packets are dropped by the FDDI interface. (CSCdi63784)

- If an FDDI module fails to come online, the command **show test** *mod_num* may indicate that the module has been removed. (CSDdi64564)

- If an FDDI module fails to come online, try resetting it. However, if the module fails to come online multiple times, replace it. (CSCdi64572)

- When you insert or replace FDDI modules, clear the module configuration information, using the command **clear config** *mod_num*, to obtain the correct spanning tree parameters for the modules.

- IP packets with IP lengths greater than 4352 bytes are not supported in Catalyst 5000 Series FDDI Software Release 2.1(2). These packets are dropped by the FDDI interface.

Cisco Connection Online

Cisco Connection Online (CCO), formerly Cisco Information Online (CIO), is Cisco Systems' primary, real-time support channel. Maintenance customers and partners can self-register on CCO to obtain additional content and services.

Available 24 hours a day, 7 days a week, CCO provides a wealth of standard and value-added services to Cisco's customers and business partners. CCO services include product information, software updates, release notes, technical tips, the Bug Navigator, configuration notes, brochures, descriptions of service offerings, and download access to public and authorized files.

CCO serves a wide variety of users through two interfaces that are updated and enhanced simultaneously—a character-based version and a multimedia version that resides on the World Wide Web (WWW). The character-based CCO supports Zmodem, Kermit, Xmodem, FTP, and Internet e-mail, and is excellent for quick access to information over lower bandwidths. The WWW version of CCO provides richly formatted documents with photographs, figures, graphics, and video, as well as hyperlinks to related information.

You can access CCO in the following ways:

- WWW: http://www.cisco.com.

- WWW: http://www-europe.cisco.com.

- WWW: http://www-china.cisco.com.

- Telnet: cco.cisco.com.

- Modem: From North America, 408 526-8070; from Europe, 33 1 64 46 40 82. Use the following terminal settings: VT100 emulation; databits: 8; parity: none; stop bits: 1; and baud rates up to 14.4 kbps.

For a copy of CCO's Frequently Asked Questions (FAQ), contact cco-help@cisco.com. For additional information, contact cco-team@cisco.com.

Note If you are a network administrator and need personal technical assistance with a Cisco product that is under warranty or covered by a maintenance contract, contact Cisco's Technical Assistance Center (TAC) at 800 553-2447, 408 526-7209, or tac@cisco.com. To obtain general information about Cisco Systems, Cisco products, or upgrades, contact 800 553-6387, 408 526-7208, or cs-rep@cisco.com.