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# Release Notes for Cisco MDS 9000 Family Fabric Manager Release 2.1(2c)

**Release Date:** October 12, 2005

**Text Part Number:** OL-8798-01 B0

This document describes the caveats and limitations for Cisco MDS 9000 Family Fabric Manager release 2.1(2c). Use this document in conjunction with documents listed in the “[Related Documentation](#)” section on page 4.



Note

Cisco Fabric Manager 2.1(2c) works in conjunction with all Cisco MDS SAN-OS releases up to and including Release 2.1(2b). All release notes may have been updated with new information on restrictions and caveats. For the most recent information on your corresponding Cisco MDS SAN-OS release, refer to the following website:

[http://www.cisco.com/en/US/products/hw/ps4159/ps4358/prod\\_release\\_notes\\_list.html](http://www.cisco.com/en/US/products/hw/ps4159/ps4358/prod_release_notes_list.html)

**Table 1** shows the on-line change history for this document.

**Table 1** Online History Change

Revision	Date	Description
A0	10/12/2005	Created release notes
B0	12/13/2005	Added DDTS <a href="#">CSCsc72994</a>

## Contents

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## Introduction

The Cisco Fabric Manager provides an alternative to the command-line interface (CLI) for most switch configuration commands. Fabric Manager provides powerful Fibre Channel troubleshooting tools. These in-depth health and configuration analysis capabilities leverage unique MDS 9000 switch capabilities: Fibre Channel Ping and Traceroute.

The Cisco Fabric Manager includes these management applications:

- Fabric Manager (client and server)
- Device Manager
- Performance Manager
- Fabric Manager Web Services

For information on using the CLI to configure a Cisco MDS 9000 Family switch, refer to the *Cisco MDS 9000 Family CLI Configuration Guide* or the *Cisco MDS 9020 Switch Configuration Guide and Command Reference*.

## Upgrading Your Version of Cisco Fabric Manager

To upgrade your version of Cisco Fabric Manager, or install Fabric Manager for the first time, follow these steps:

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- Step 1** Download the latest Fabric Manager .jar file from the Software Center on Cisco.com (<http://www.cisco.com/cgi-bin/tablebuild.pl/mds-fm>). You must have a CCO account to access the files on Software Center.



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**Note** You must have Java 1.4.2 or higher installed before you can install Cisco Fabric Manager.

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- Step 2** Launch the Fabric Manager installation program by doing one of the following:
- a. Navigate to the folder where you have downloaded the file and double click it.
  - b. Open the file using Internet Explorer.
  - c. Enter **java -jar <filename>** on the Windows or UNIX command line.

- Step 3** Select an installation folder for Fabric Manager on your workstation. The default location is C:\Program Files\Cisco Systems\MDS 9000 for Windows. On a Solaris or Linux machine, the installation path name is /usr/local/cisco\_mds9000 or \$HOME/cisco\_mds9000, depending on the permissions of the user performing the installation.



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**Note** The Fabric Manager Server and the Fabric Manager Client must be able to communicate with each other at all times. They can be installed on different workstations or the same workstation.

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- Step 4** Check the Use **Global Device Aliases** in place of the FC Aliases check box if you want to use global device aliases or replace existing per VSAN FC aliases with global device aliases.
- Step 5** Check the **Don't install and run FM Server** check box if you are installing just the Fabric Manager Client on a remote workstation.



Note

For other methods and details on upgrading, downgrading, and uninstalling Cisco Fabric Manager, refer to the *Cisco MDS 9000 Family Fabric Manager Configuration Guide* and the *Cisco MDS 9000 Family Fabric Manager Quick Configuration Guide*.

## New Features in Fabric Manager Release 2.1(2c)

There are no new features available for this release.

## Limitations and Restrictions

There are no limitations or restrictions for this release.

## Caveats

This section lists the open and resolved caveats for this release. Use [Table 2](#) to determine the status of a particular caveat and which Fabric Manager release the bug was resolved and open.

**Table 2** Open Caveats and Resolved Caveats Reference

DDTS Number	Status	
	Resolved	Open
<b>Severity 2</b>		
<a href="#">CSCei40874</a>	2.1(2c)	2.1(2)
<a href="#">CSCej00718</a>	2.1(2c)	2.1(2)
<a href="#">CSCej16098</a>	2.1(2c)	2.1(2)
<b>Severity 3</b>		
<a href="#">CSCej16687</a>	2.1(2c)	2.1(2a)
<a href="#">CSCsc72994</a>	N/A	2.1(2b)

## Resolved Caveats

- [CSCei40874](#)

**Symptom:** If port 9001 is in use by another process, the database update for the previous release tables and data might hang.

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**Workaround:** Edit the server.properties file in the bin directory and use another port. Alternatively, remove the process that opened port 9001.

- CSCej00718

**Symptom:** The user password for SNMP and CLI do not sync correctly when the user is created through the AAA server.

**Workaround:** Ensure that the AAA server has the user password configured and that the password is at least eight characters long.

- CSCej16098

**Symptom:** Logging in through RADIUS using Fabric Manager fails when SSH is enabled on a Cisco MDS 9000 switch.

**Workaround:** None.

- CSCej16687

**Symptom:** The Device Alias state is not persistent. Checking the Device Alias check box and applying the change correctly lists the Device Alias in the end devices table. However, after logging out of Fabric Manager and restarting it, Fabric Manager reverts and shows Device Alias as unchecked.

**Workaround:** When opening a fabric, make sure to select the Accelerate Discovery option in the open dialog box so that the saved value is restored.

## Open Caveats

- CSCsc72994

**Symptom:** If a user does not have a Fabric Manager Server (FMS) license, a demo or trial license counter for enhanced FMS features starts even when FMS enhanced features are not configured. You might see the following message:

```
%LICMGR-3-LOG_LIC_NO_LIC: No license(s) present for feature FM_SERVER_PKG.
Application(s) shutdown in 119 days.
```

This might occur after upgrading to Cisco SAN-OS 2.1(2x). FMS status becomes InUsed although none of its features were or are actually used. This starts the 120 day evaluation period counter for FMS enhanced features.




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**Note** This does not have any impact on using the FM/DM for managing the switch for basic feature operations.

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**Workaround:** Install an FMS license.

## Related Documentation

The documentation set for the Cisco MDS 9000 Family includes the following documents. To find a document online, use the Cisco MDS SAN-OS Documentation Locator at:

[http://www.cisco.com/en/US/products/ps5989/products\\_documentation\\_roadmap09186a00804500c1.html](http://www.cisco.com/en/US/products/ps5989/products_documentation_roadmap09186a00804500c1.html).

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For information on IBM TotalStorage SAN Volume Controller Storage Software for the Cisco MDS 9000 Family, refer to the IBM TotalStorage Support website:  
<http://www.ibm.com/storage/support/2062-2300/>

## Release Notes

- *Cisco MDS 9000 Family Release Notes for Cisco MDS SAN-OS Releases*
- *Cisco MDS 9000 Family Release Notes for Storage Services Interface Images*
- *Cisco MDS 9000 Family Release Notes for Cisco MDS SVC Releases*
- *Cisco MDS 9000 Family Release Notes for Cisco MDS 9000 EPLD Images*

## Compatibility Information

- *Cisco MDS 9000 SAN-OS Hardware and Software Compatibility Information*
- *Cisco MDS 9000 Family Interoperability Support Matrix*
- *Cisco MDS SAN-OS Release Compatibility Matrix for IBM SAN Volume Controller Software for Cisco MDS 9000*
- *Cisco MDS SAN-OS Release Compatibility Matrix for Storage Service Interface Images*

## Regulatory Compliance and Safety Information

- *Regulatory Compliance and Safety Information for the Cisco MDS 9000 Family*

## Hardware Installation

- *Cisco MDS 9500 Series Hardware Installation Guide*
- *Cisco MDS 9200 Series Hardware Installation Guide*
- *Cisco MDS 9216 Switch Hardware Installation Guide*
- *Cisco MDS 9100 Series Hardware Installation Guide*
- *Cisco MDS 9020 Fabric Switch Hardware Installation Guide*

## Cisco Fabric Manager

- *Cisco MDS 9000 Family Fabric Manager Quick Configuration Guide*
- *Cisco MDS 9000 Family Fabric Manager Configuration Guide*
- *Cisco MDS 9000 Fabric Manager Online Help*

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## Command-Line Interface

- *Cisco MDS 9000 Family Software Upgrade and Downgrade Guide*
- *Cisco MDS 9000 Family CLI Quick Configuration Guide*
- *Cisco MDS 9000 Family CLI Configuration Guide*
- *Cisco MDS 9000 Family Command Reference*
- *Cisco MDS 9000 Family Quick Command Reference*
- *Cisco MDS 9020 Fabric Switch Configuration Guide and Command Reference*
- *Cisco MDS 9000 Family SAN Volume Controller Configuration Guide*

## Troubleshooting and Reference

- *Cisco MDS 9000 Family Troubleshooting Guide*
- *Cisco MDS 9000 Family MIB Quick Reference*
- *Cisco MDS 9020 Fabric Switch MIB Quick Reference*
- *Cisco MDS 9000 Family CIM Programming Reference*
- *Cisco MDS 9000 Family System Messages Reference*
- *Cisco MDS 9020 Fabric Switch System Messages Reference*

## Installation and Configuration Note

- *Cisco MDS 9000 Family SSM Configuration Note*
- *Cisco MDS 9000 Family Port Analyzer Adapter Installation and Configuration Note*

## Obtaining Technical Assistance

Cisco Technical Support provides 24-hour-a-day award-winning technical assistance. The Cisco Technical Support & Documentation website on Cisco.com features extensive online support resources. In addition, if you have a valid Cisco service contract, Cisco Technical Assistance Center (TAC) engineers provide telephone support. If you do not have a valid Cisco service contract, contact your reseller.

## Cisco Technical Support & Documentation Website

The Cisco Technical Support & Documentation website provides online documents and tools for troubleshooting and resolving technical issues with Cisco products and technologies. The website is available 24 hours a day, at this URL:

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

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Access to all tools on the Cisco Technical Support & Documentation website requires a Cisco.com user ID and password. If you have a valid service contract but do not have a user ID or password, you can register at this URL:

<http://tools.cisco.com/RPF/register/register.do>



Note

Use the Cisco Product Identification (CPI) tool to locate your product serial number before submitting a web or phone request for service. You can access the CPI tool from the Cisco Technical Support & Documentation website by clicking the **Tools & Resources** link under Documentation & Tools. Choose **Cisco Product Identification Tool** from the Alphabetical Index drop-down list, or click the **Cisco Product Identification Tool** link under Alerts & RMAs. The CPI tool offers three search options: by product ID or model name; by tree view; or for certain products, by copying and pasting **show** command output. Search results show an illustration of your product with the serial number label location highlighted. Locate the serial number label on your product and record the information before placing a service call.

## Submitting a Service Request

Using the online TAC Service Request Tool is the fastest way to open S3 and S4 service requests. (S3 and S4 service requests are those in which your network is minimally impaired or for which you require product information.) After you describe your situation, the TAC Service Request Tool provides recommended solutions. If your issue is not resolved using the recommended resources, your service request is assigned to a Cisco engineer. The TAC Service Request Tool is located at this URL:

<http://www.cisco.com/techsupport/servicerequest>

For S1 or S2 service requests or if you do not have Internet access, contact the Cisco TAC by telephone. (S1 or S2 service requests are those in which your production network is down or severely degraded.) Cisco engineers are assigned immediately to S1 and S2 service requests to help keep your business operations running smoothly.

To open a service request by telephone, use one of the following numbers:

Asia-Pacific: +61 2 8446 7411 (Australia: 1 800 805 227)

EMEA: +32 2 704 55 55

USA: 1 800 553-2447

For a complete list of Cisco TAC contacts, go to this URL:

<http://www.cisco.com/techsupport/contacts>

## Definitions of Service Request Severity

To ensure that all service requests are reported in a standard format, Cisco has established severity definitions.

Severity 1 (S1)—Your network is “down,” or there is a critical impact to your business operations. You and Cisco will commit all necessary resources around the clock to resolve the situation.

Severity 2 (S2)—Operation of an existing network is severely degraded, or significant aspects of your business operation are negatively affected by inadequate performance of Cisco products. You and Cisco will commit full-time resources during normal business hours to resolve the situation.

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Severity 3 (S3)—Operational performance of your network is impaired, but most business operations remain functional. You and Cisco will commit resources during normal business hours to restore service to satisfactory levels.

Severity 4 (S4)—You require information or assistance with Cisco product capabilities, installation, or configuration. There is little or no effect on your business operations.

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