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Release Notes for Cisco MDS 9000 Family Fabric Manager Release 3.2(1b)

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This document describes the new features, limitations, and caveats for Cisco MDS 9000 Family Fabric Manager Release 3.2(1b). Use this document in conjunction with documents listed in the “[Related Documentation](#)” section on page 5.



Note

Cisco Fabric Manager 3.2(1b) works in conjunction with Cisco MDS SAN-OS Releases 2.x and higher including Release 3.1(1). 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

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

Table 1 Online History Change

Revision	Date	Description
A0	01/03/2008	Created release notes.
B0	08/31/2009	Added a Note to the “ Upgrading Your Version of Cisco Fabric Manager ” section on page -2 about the effect of a Group Policy Object (GPO) in Windows on Fabric Manager Server when used with the PostgreSQL database.

Contents

This document includes the following sections:



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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 such as advanced monitoring features and sophisticated debug analysis tools. These in-depth health and configuration analysis capabilities leverage unique MDS 9000 switch capabilities including the Fibre Channel Ping and Traceroute utilities.

The Cisco Fabric Manager includes these management applications:

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

For detailed information on using Cisco Fabric Manager to configure a Cisco MDS 9000 Family switch, refer to the *Cisco MDS 9000 Family Fabric Manager Configuration Guide*. 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:

-
- Step 1** If you have installed a previous version of Cisco MDS Fabric Manager, uninstall the software before proceeding. To uninstall, go to **Start > Programs > Cisco MDS 9000 > Uninstall**.
- Step 2** Download **m9000-fm-3.2.1b.jar** 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.



Note As of Cisco MDS SAN-OS Release 3.1, Cisco Fabric Manager requires Java 1.5.

- Step 3** 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.

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- b. Open the file using Internet Explorer.
- c. Enter **java -jar m9000-fm-3.2.1b.jar** on the Windows or UNIX command line.

Step 4 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.



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.

Step 5 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 6 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*.

Step 7 Click Finish to complete the Cisco Fabric Manager installation.



Note If you are running Fabric Manager Server on Windows and using the PostgreSQL database, you should examine your Windows Active Directory environment for organizational units (OUs) and make the change recommended below to ensure that Fabric Manager Server does not periodically stop working.

On a Windows system, the Microsoft Active Directory applies a Group Policy Object (GPO) to the Fabric Manager Server. The GPO does not recognize the local user PostgreSQL because it is not in the GPO allow list. As a result, the GPO removes it, and the PostgreSQL database stops working.

To avoid this situation, you should move the Fabric Manager Server to its own OU and apply the same feature settings as the original OU, but remove the local user account to log in as a service.

Minimum Hardware Requirements

For a PC running Fabric Manager Server on large fabrics (1000 or more end devices), we recommend you use a Dual Core/Dual CPU high-speed system with 2 GB of RAM and 10 GB of free disk space.

New Features in Cisco MDS Fabric Manager Release 3.2(1b)

There are no new features in Cisco Fabric Manager Release 3.2(1b).

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Limitations and Restrictions

This section includes limitations and restrictions for Cisco Fabric Manager Release 3.2(1b).

Setting Shared Memory Values for PostgreSQL in Solaris and Linux

During a Fabric Manager installation, a warning is displayed in the log file advising you to change the shared memory values when a low shared memory setting is detected. An example of the warning message is as follows:

```
2007-12-07 14:50:41,120 [ WARN] Your shared memory settings may be too low to run PostgreSQL. You may want to reconfigure kernel resources before installing.
```

For instructions on how to set up the shared memory value, visit <http://www.postgresql.org/docs/8.2/interactive/kernel-resources.html>.

Fabric Manager Caveats

This section lists the open and resolved caveats for this release. Use [Table 2](#) to determine the status of a particular caveat. In the table, “O” indicates an open caveat and “R” indicates a resolved caveat.

Table 2 Open Caveats and Resolved Caveats Reference

DDTS Number	Software Release (Open or Resolved)	
	3.1(2c)	3.2(1b)
Severity 1		
CSCsk86908	O	R
CSCsk92642	O	R
Severity 3		
CSCsk65923	O	R
Severity 4		
CSCsj04529	O	R
CSCsk87533	O	R

Resolved Caveats

- CSCsk86908

Symptom: Using Fabric Manger Client, after 5 mins of inactivity, a popup-box displays "Connection to server is lost. Please login". This occurs after installing Fabric Manger Release 3.2(1a) on Solaris 10. After attempting to log in to the server again, an "Unable to connect to server!" message is displayed.

Workaround: This issue is resolved.

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- CSCsk92642
Symptom: After choosing to install Postress during a Fabric Manager Release 3.2(1a) installation on Solaris 10, Postgres began to consume 100% of the CPU power.
Workaround: This issue is resolved.
- CSCsk65923
Symptom: Fabric Manager Client may fail when clicking on a zone set that has a large number of member listed as “Not in Fabric”.
Workaround: This issue is resolved.
- CSCsj04529
Symptom: Fabric Manager shows an incorrect unlicensed fabric message.'
Workaround: This issue is resolved.
- CSCsk87533
Symptom: When using Linux, the encrypter.sh command does not return to the command prompt when the command is complete.
Workaround: This issue is resolved.

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.
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/>

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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 Storage Services Module 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 9124 Multilayer Fabric Switch Quick Start Guide*
- *Cisco MDS 9500 Series Hardware Installation Guide*
- *Cisco MDS 9200 Series 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*
- *Cisco MDS 9000 Fabric Manager Web Services Online Help*
- *Cisco MDS 9000 Family Fabric Manager Database Schema*
- *Cisco MDS 9000 Family Data Mobility Manager Configuration Guide*
- *Cisco MDS 9000 Family Storage Media Encryption Configuration Guide*

Command-Line Interface

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- *Cisco MDS 9000 Family Software Upgrade and Downgrade Guide*
- *Cisco MDS 9000 Family Storage Services Module Software Installation and Upgrade 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 SMI-S 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*
- *Cisco 10-Gigabit Fibre Channel X2 Transceiver Module Installation Note*

Obtaining Documentation, Obtaining Support, and Security Guidelines

For information on obtaining documentation, obtaining support, providing documentation feedback, security guidelines, and also recommended aliases and general Cisco documents, see the monthly *What's New* in Cisco Product Documentation, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

This document is to be used in conjunction with the documents listed in the “[Related Documentation](#)” section.

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