

hp StorageWorks

ha-fabric manager release notes

Part Number: AV-RSNXC-TE/958-000288-001

Third Edition (January 2003)

These release notes contain late-breaking and supplemental information for the HP StorageWorks High Availability Fabric Manager (HA-Fabric Manager).

For the latest version of these Release Notes and other HA-Fabric Manager documentation, visit the HP storage website at:
<http://www.hp.com/country/us/eng/prodserv/storage.html>.



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Third Edition (January 2003)

Part Number: AV-RSNXC-TE/958-000288-001

These release notes describe the contents of the HP StorageWorks high availability fabric manager software kit, and any last-minute additions or notes on the configuration or use of HAFM software.

Be sure to read these notes before installing the HAFM. This information is periodically updated and available on the World Wide Web at:
<http://www.hp.com/country/us/eng/prodserv/storage.html>.

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Software Version 6.03.01, Build 5

HA-Fabric Manager 06.03.01 build 5 is the latest version of the HA-Fabric Manager software (as of this date) and is contained on the *hp StorageWorks ha-fabric manager documentation and software CD* (Part Number 516-000024-631). The latest firmware is also available on the HP website at:
<http://www.hp.com/country/us/eng/prodserv/storage.html>.

You need to upgrade to Version 06.03.01 build 5 to manage the Director 2/140, Director 2/64, Edge Switch 2/32, Edge Switch 2/24, and Edge Switch 2/16. For more information on upgrading software versions, refer to the *hp StorageWorks ha-fabric manager user guide*. The features of this software version are detailed in the accompanying manuals.

After installing Version 06.03.01 build 5 on the HAFM server, all remote clients running down-level versions of HAFM are required to re-install the client application. When logging in to the HAFM server via the remote client, an error message displays stating that the new version must be installed. Follow the instructions to install the new version of the remote client.

Related Documentation

In addition to this guide, HP provides corresponding information:

- *hp StorageWorks HAFM server installation guide, AA-RT4KB-TE*
- *hp StorageWorks ha-fabric manager user guide, AA-RS2CB-TE*

CD-ROM Directory Structure

The HAFM software kit includes one CD. The *hp StorageWorks ha-fabric manager documentation and software CD*, which contains the files necessary to install the HAFM applications. The *hp StorageWorks ha-fabric manager documentation and software CD* also contains the following items at the root level directory:

- HAFM_ServerInstall.exe – (Install file for HAFM applications)
- version.txt – (contains the version number of the HAFM applications)

The `hpClients` directory is also at the root level. This directory contains the remote client install files for the operating system platform noted by the name of the directory in which it resides.

- Unix – (directory containing the remote client install file for UNIX platforms)
 - aix – (directory containing the remote client install file for AIX)
 - hpClientInstall.bin—(the remote client install file for AIX)
 - hpux – (directory containing the remote client install file for HPUNIX)
 - hpClientInstall.bin—(the remote client install file for HPUNIX)
 - Linux – (directory containing the remote client install file for Linux)
 - hpClientInstall.bin—(the remote client install file for Linux)
 - Solaris – (directory containing the remote client install file for Solaris)
 - hpClientInstall.bin—(the remote client install file for Solaris)
- Windows – (directory containing the remote client install file for Windows)
 - hpClientInstall.exe—(the remote client install file for Windows)
- Docs
 - AA-RT4KB-TE – (hp StorageWorks HAFM server installation guide)
 - AA-RS2CB-TE – (hp StorageWorks ha-fabric manager user guide)

Known Issues

This section describes the known issues related to HAFM software.

Link Incident Alerts Do Not Display in Port List View

Link Incident alerts (yellow triangle) do not display in the **Alert** column of the table displayed in the **Product Manager Port List** view for any of the managed Edge Switch or Director products. All other link incident alerts function normally. This will be corrected in a future release of HAFM.

Attached Ports/Nodes Panel May Be Blank When Editing a Zone

Occasionally the **Attached ports/nodes** panel on the left of the HAFM **Modify Zone** window may be blank when first opened to edit a zone. Selecting another fabric from the **Fabric** drop-down list will activate the panel to display attached ports and nodes.

Port Pop-up Menu May Be Blank

Occasionally when a right-click is applied to the graphic display of a port in the **Port Card** view for a Director 2/140 port card, the pop-up menu may be blank. If this occurs, perform an additional right-click to the graphic display of the port to view the contents of the pop-up menu. Alternatively, you can choose the desired port with a left-click, and then choose **Product > Port** on the menu bar.

Open Systems Management Server

Under the HAFM **Product Manager > Hardware View** menus, the **Configure > Management Server** . . . menu option will result in a pop-up dialog. This dialog states "This feature has not been installed. Please contact your sales representative." This feature is not currently available.

Using the Same Firmware

All switches and directors managed by HAFM should have the same FW level installed—whether 1 Gbps or 2 Gbps capable.

Reinstalling Feature Licenses

Feature Licenses (or keys) must be reinstalled after performing a factory reset on a director or switch to regain use of the licensed features (e.g., SANtegrity).

Multiple FC HBA Ports in Separate Zones

Multiple FC HBA ports in the same host should be placed in separate zones, or they might be perceived as potential targets (some HBAs log-in as both host and target).

CTP Controls Port Lights

Port lights on the edge switch and director products are controlled by the CTP functionality. Certain activities, such as FW updates, IPLing the CTP, or switching over to the backup CTP (Director) can cause these port lights to extinguish momentarily until control is reasserted by the CTP. The actual FC traffic is not affected during these times.

Support for Speed Auto-Negotiate

Currently, Speed Auto-Negotiate is not supported for HA and Failover SAN configurations and is not recommended in general at this time. The speed should be hard set to match the attached host or target port capability whenever possible.

Regressing to an Earlier HAFM Code

When regressing to earlier HAFM code versions (pre-6.00.01_4), 2 Gbps products currently installed will drop from the HAFM screen because earlier Product Managers cannot support the expanded features and have different naming conventions. Switches can be re-added by IP or by restoring the original configuration when the FW/SW level again supports 2 Gbps switches. The fabric/zoning information will remain intact.

Once the HAFM server is upgraded to Version 06.03.01, any downgrade of the HAFM server to a release earlier than Version 06.02.00 will result in the loss of saved firmware files in the HAFM Firmware Library. the desired firmware must be reloaded into the Firmware Library.

Installing HAFM on an Existing EFCM or SDCM Server

Installation of HAFM on an existing EFCM or SDCM server will successfully migrate the older data files into the new configuration. Refer to the *hp StorageWorks director fc-64 to director 2/64 upgrade instructions, A6574-96003/AA-RSS1A-TE* or *hp StorageWorks director 64 to director 2/64 upgrade instructions, AA-RT4JA-TE*.

Replacing CD-ROM with ZIP Drive

The CD-ROM should be installed in the HAFM server only for loading and configuring the HAFM software, or for adding new director or edge switch firmware to the HAFM Firmware libraries. The CD-ROM should be replaced with the ZIP drive module for normal operation of the HAFM to allow for ZIP drive backups of the SAN configuration information.

Losing LAN Connection to the HAFM Server Before Logging in to the HAFM Application

If the LAN connection to the HAFM server is lost before logging on to the *HAFM* application, you cannot log in to the application. If the LAN connection to the HAFM server is lost while the *HAFM* application is running, the application will stop and the following error message displays “Connection to the HAFM server lost. Click OK to exit the application.”

Workaround

The LAN connection must be restored, and the HAFM server must be rebooted to restore normal HAFM operation. Neither stopping the *HAFM* application nor rebooting the server has any impact on the Fibre Channel operations of any switch or director. Only monitoring switch operations, logging events, and implementing configuration changes are interrupted.

Effect of No LAN Connection to HAFM Server During Boot Up

If the HAFM server has no LAN connection while booting up, but is connected after booting up, the IP address that appears in the HAFM Product View window title bar may be incorrect.

Workaround

This can be corrected by exiting out of *HAFM* application, restarting the *HAFM* application, and logging back in.