Compaq StorageWorks

SAN Switch Remote Switch Release Notes

These release notes contain late-breaking and supplemental information for the Compaq StorageWorks SAN Switch Remote Switch Services.

Be sure to read these notes before installing the Compaq StorageWorks SAN Switch Remote Switch. This information is periodically updated and available on the World Wide Web at URL:

www.compaq.com/products/storageworks/

Fabric Operating System V2.1 Release Files

The release files for the Compaq StorageWorks SAN Switch Remote Switch Services V2.1 firmware, dated 8/24/1999, include:

- Firmware

    - firmwareupdate.txt—includes instructions for updating firmware

    - javaplugin.exe

- MIB files

  - femib.smiv1 (Fabric Element MIB)

  - swmib.smiv1 (Fibre Channel Switch MIB)

  - swtrap.smiv1 (Enterprise Specific Traps for Fibre Channel Switch MIB)

  NOTE: When using CNMS or HP OpenView, the MIB files must be changed to a filename with a .mib extension.

- Documentation

  - ek-sanrs-aa.pdf—*Compaq StorageWorks SAN Switch Remote Switch Services Installation Guide*

  - releasenotes.txt—includes late-breaking documentation changes

New Features

The firmware in this release, V2.1, is for Remote Switch users only. The following features are supported:

1. Remote Switch (enabled and fully supported for this release). Refer to the *Compaq StorageWorks SAN Switch Remote Switch Services Installation Guide* for more information.

2. Updated Java Virtual Machine usage requires Java Plug-In 1.2.2 (Windows) or 1.2 (Solaris).

3. Better browser (Netscape Navigator and Microsoft Internet Explorer) and platform support

4. All commands are now case insensitive. Therefore, instead of entering "fabricShow," you can now enter "fabricshow."

The following features are **not** supported:

- Zone Administration Graphical User Interface

- Name Server Table Graphical User Interface

- New Switch Admin Graphical User Interface

- QuickLoop Graphical User Interface

Using the Java Plug-In

What is the Java Plug-In?

Beginning with Web Management Tools V2.1, the proper execution of the Web Management Tools application requires the installation of the Java Plug-In on your workstation. This version of Web Management Tools requires the Java Plug-In version based on Java 1.2 (also known as Java 2) to operate correctly. The Java Plug-In is similar to other plug-ins used on your browser such as Real Audio, Adobe Acrobat, and Macromedia Director. The primary advantage of the Java Plug-In is that its use is invisible once installed.

The reason for using the Java Plug-In is to eliminate the troublesome behavioral differences between the two supported browsers, Netscape Navigator and Microsoft Internet Explorer. The Java Plug-In allows Brocade java applets used in the Web Management Tools application to run using Sun's Java Runtime Environment (JRE) instead of the web browser's default java virtual machines. The JRE in the Java Plug-in provides a Java-compatible environment for today's widely adopted web browsers, which in turn provides consistency and reliability when running applets.

How long does it take to download and install the Java Plug-In the first time?

The Java Plug-In software installer is approximately 5 MB in size. Download and installation times vary depending on the speed of the network connection and your system's performance. The typical download and installation times (over a local area network) will vary from three to ten minutes. In subsequent uses of Web Management Tools, the Java Plug-in Software will be invoked instantaneously from the your hard drive.

Does the Java Plug-In software work on platforms other than Microsoft Windows?

Yes. For information about support for Java Plug-in Software on specific operating systems, contact the operating system provider.

Where can I get more information about the Java Plug-In?

For further information, consult the Java Plug-In FAQ (frequently asked questions) document at http://java.sun.com/products/plugin/1.2/plugin.faq.html.

New Commands and Options

dlsReset (admin level)

This command turns off dynamic load sharing for routing.

dlsSet (admin level)

This command turns on dynamic load sharing for routing. This is the default.

configShow "route"

This command allows you to view routing options. The route.stickyRoutes parameter has the value of 1 when dynamic load sharing is off.

qlOpenInitHold (admin level)

This command is used by the QuickLoop feature. The qlOpenInitHold parameter can be set to 0 or 1. When this parameter is set to 1, QuickLoop initialization holds a looplet in the Open-Init state during pass 1 of the QuickLoop initialization. If this parameter is set to 0, QuickLoop initialization keeps a looplet in the Monitoring state during pass 1 of the initialization. The default setting is 0.

Changes to the configure command

Two new options have been added to the configure command.

Disable RLS Probing

When this option is turned off (RLS Probing enabled) the switch port will issue RLS (Read Link Status) Extended Link Service to attached devices every four seconds to collect link status data. Otherwise, no RLS will be sent to devices. This option is turned on by default (RLS Probing is disabled).

Quick Soft Initialization

When this option is turned on, the QuickLoop initialization assumes some preconfigured loop conditions. This option is turned off by default and should not be turned on without consulting Compaq technical support.

Known Changes

The spinSilk command has been modified to always run RDRAM_PAT (0xff00ff00, 0x00ff00ff, ...) as the fourth frame.

Known Issues

This section descibes the known issues and problems related to the SAN Switch Remote Switch as of 1/7/00.

Switch Operating System

- During a telenet session with a SAN Switch Remote Switch from a True64 UNIX or OpenVMS machine, the **Backspace**, **Delete**, and **Left Arrow** keys do not work properly. The keyboards shipped with these machines produce a "question mark" character instead of deleting characters when using the **Backspace** key. It is necessary to type **Control + H** to delete characters. The **Delete** key changes the case of the letter at the cursor and prevents you from adding anything to the line. The **Left Arrow** key deletes the character to its left and prevents you from adding anything to the line.

- The SAN Switch Remote Switch is configured with default IP address 10.77.77.77. This IP address may not be compatible with your configuration. The IP address can be changed by two different methods. One method is using the serial connection. When connecting to the switch using this method, the switch's IP address is not used. Once the serial line is connected, use the command ipAddrSet to change the default IP address to an IP address that is suitable for your configuration. The other method to change the IP address is to use the default IP address and an ethernet connection to the switch. Once the ethernet is connected to the switch, use the same ipAddrSet command to change the IP address.

NOTICE