

# StorageWorks by Compaq

## Fabric Watch Version 2.6

### Release Notes

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*These release notes contain last-minute and supplemental information for Fabric Watch Version 2.6.*

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Be sure to read these notes before installing Fabric Watch Version 2.6. This information is periodically updated and available on the Compaq Website:

<http://www.compaq.com/storage>.

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**Compaq Computer Corporation**

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## Fabric Watch Documentation

For specific Fabric Watch procedures, refer to the *StorageWorks by Compaq Fabric Watch Version 2.6 User Guide* (Part Number AA-RR79B-TE) that ships with your switch.

## Fabric Watch 2.6 Features

Features of the optional Fabric Watch Version 2.6 software include:

- Monitoring key fabric and switch components, including:
  - Switch environment (fans, power supplies, and temperature)
  - GBICs
  - Ports (state changes, errors and performance)
  - Fabric events (such as topology reconfigurations, zone changes)
- Easily accessible via Web Management Tools, Telnet interface, or an SNMP-based enterprise manager.
- Monitors each component for out-of-boundary values or counters

## License

The Fabric Watch software is integrated into the switch firmware, but must be enabled by an optional License Key. The firmware is also contained on the *Compaq StorageWorks SAN Switch Software 2.6 CD*, in the DSGGB/firmware directory.

**NOTE:** If you do not have a Fabric Watch License, and would like to purchase one, contact your switch supplier.

## License Check

In order to run Fabric Watch, you must purchase an optional Fabric Watch License. Use the procedure outlined below to determine if there is a License already installed.

1. Log on to the switch by telnet, using an account that has administrative privileges.
2. To determine whether a Fabric Watch license is already installed on the switch, type **licenseShow** on the telnet command line.

A list displays of all the licenses currently installed on the switch. For example:

```
admin>licenseShow
1A1AaAaaaAAAA1a:
Release v2.6
Fabric Watch
Web license
Zoning license
QuickLoop license
```

If a Fabric Watch license is not included in the list, or is incorrect, continue with step [3]. If a Fabric Watch license is listed, the feature is installed and immediately available. Skip steps [3] and [4].

3. Enter the following on the command line:

```
licenseAdd "key"
```

where "key" is the license key provided to you, enclosed in double quotes. The licensekey is case sensitive and must be entered exactly as given.

4. Verify that the license was added by entering the following on the command line:

```
licenseShow
```

If the Fabric Watch license is listed, the feature is installed and immediately available. If the license is not listed, repeat step [3].

## Fabric Watch Profiles

The following Fabric Watch profiles are included with v2.6:

- fw.SW6400.fabric.profile
- fw.backbone.errlog
- compaqprofile.txt.

### Using the compaqprofile.txt Profile

Default Fabric Watch parameters are preset at the factory. However, Compaq provides a variation of these settings, (known collectively as a profile) to accommodate different switch environments. If you frequently reconfigure the SAN, and want to avoid lengthy error reporting, download the compaqprofile.txt profile in place of Fabric Watch default settings. The next section lists the command for loading the profile.

**NOTE:** For more information on profiles, see the *Fabric Watch User's Guide Version 2.6* (Part Number AA-RR79B-TE).

#### Loading compaqprofile.txt

The compaqprofile.txt file is located on the *Compaq StorageWorks SAN Switch Software 2.6 CD* that ships with your switch. You can download the file from a host via telnet or TFTP, using the configdownload command, for example,

```
switch:admin>configDownload
Server Name or IP Address [host]:
IP Address for Server:
User Name [user]:
File Name [compaqprofile.txt]:
Protocol (RSHD or FTP) [rshd]
```

For more specific command related information, see Appendix A in the *StorageWorks by Compaq Fibre Channel SAN Switch Management Guide*, Part Number AA-RMMJB-TE.

**NOTE:** The default configuration settings are always preserved. After loading the profile, specify whether the default or the profile settings are used.

## Known Issues

Presently, lengthy error reporting occurs every time the switch is reconfigured (for example, when adding SAN components such as switches.) Use the profile, compaqprofile.txt, in place of the default configuration settings to minimize error reporting. See the ‘Using the compaqprofile.txt Profile’ section earlier in these release notes.

## Telnet Commands

This section lists the telnet commands available for managing the Fabric Watch feature. These commands let you set thresholds, monitor errors, temperature, fan status and switch events.

Table 1 summarizes Fabric Watch Version 2.6 commands.

<b>Table 1: Fabric Watch Command Descriptions</b>	
<b>Command</b>	<b>Description</b>
fwAlarmsFilterSet	Set alarms filtering for Fabric Watch.
fwAlarmsFilterShow	Show alarms filtering for Fabric Watch.
fwClasslnit	Initialize all Fabric Watch classes.
fwConfigure	Modify thresholds and configuration information.
fwConfigReload	Reload the Fabric Watch configuration.
fwSetToCustom	Set boundary and alarm level to custom.
fwSetToDefault	Set boundary and alarm level to default.
fwShow	Show thresholds monitored by Fabric Watch.

**NOTE:** Detailed command descriptions are provided in the *StorageWorks by Compaq Fibre Channel SAN Switch Management Guide*, Part Number AA-RMMJB-TE.