

HP Fabric Watch

262864-B21

The Fabric Watch license enables the Fabric Watch features resident in the firmware and hardware for the following HP StorageWorks SAN switches:

HP StorageWorks SAN Switch 2/16

287055-B21

HP StorageWorks SAN Switch 2/16-EL

283056-B21

HP StorageWorks SAN Switch 2/8-EL

258707-B21

Fabric Watch is a near-real-time health monitoring service that passes detailed threshold, alerting, and notification to other HP or third-party management applications. Combined with Advanced Performance Monitoring service, it helps administrators optimize performance tuning, maximize resource utilization, improve system uptime, set consistent administration policies, and maintain general health of the fabric. Fabric Watch enables each switch to constantly watch its SAN fabric for potential faults- and automatically alert network managers to problems long before they become costly failures.

HIGHLIGHTS

- Track numerous fabric and switch elements
- Receive automatic event notifications when switch and fabric elements exceed thresholds
- Quickly identify and isolate faults
- Optimize fabric-wide performance
- Easily integrate Fabric Watch with Enterprise Systems Management Solutions
- Rely on a single fabric monitoring solution rather than multiple, vendor-specific software solutions

SOFTWARE FEATURES/FUNCTIONALITY

Feature	Function	Benefit
Threshold setting	Enables administrators to configure thresholds for switch, fabric, and performance settings. When thresholds are exceeded, alerts and notifications can be sent to the administrator through a variety of means (e-mail, pager, cell phone, etc.)	Improves performance tuning and optimization. Reducing downtime by helping to prevent problems before they occur
Alarm notifications	Fabric Watch monitors the SAN in real time. Detailed information regarding the device name, state, error, reason, value, and time stamp are communicated. When alerts are generated, it collects and aggregates the information into a centralized event log	Provides near-real-time health monitoring of the fabric. Shortens troubleshooting time. Provides detailed information for root cause analysis
Configuration reports	Provides current settings for switch, fabric, and performance settings and monitors	Simplifies administration of the SAN. Enables policy-based management of the fabric

Primary Applications: Fabric Watch

High-performance applications: Large databases (OLTP, OLAP), customer relationship management, enterprise resource planning, supply chain management

Charge-back applications: Clustering or high availability configurations

Large fabrics: Core/edge topologies

Storage infrastructure: Storage consolidation (email, databases), backup

Example: Large Clustered Transactional Database System

Fabric Watch health monitoring service passes real-time information about the fabric supporting a large clustered transactional database to a third-party management console. Global summarized health information is passed to the management application so that it does not have to poll the fabric to get health and diagnostic data.

Through Fabric Watch, a SAN administrator sets a threshold policy consistent with all of the high-availability configurations within the enterprise and over time receives soft error alerts that a component or SFP is about to fail. The administrator is then able to schedule the maintenance during off-peak hours and avoid a production outage

STORAGE ARRAY SYSTEMS

Enables consolidation of physical disk storage that is logically combined to create a single large pool of disk space from which virtual disks can be created and tailored to the user/application requirements

- HP StorageWorks RAID Array 4100
- HP StorageWorks Modular SAN Array 1000
- HP StorageWorks Enterprise Virtual Array
- HP StorageWorks Modular Array 6000
- HP StorageWorks RAID Array 8000, Enterprise Modular Array 12000
- HP StorageWorks Enterprise Modular Array 16000

Refer to the SAN Design Guide for HBA and Configuration Details

<ftp://ftp.compaq.com/pub/products/storageworks/techdoc/director64/AA-RMPND-TE.pdf>

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