MODELS

Compaq SANworks Secure Path v2.1 for Sun Solaris™

Secure Path v2.1 for Sun Solaris

Dual-path I/O high availability software, advanced RAID technology, enabling no single point of failure from server to storage.

FEATURES

- Automatic failover capability on occurrence of adapter, cabling, hub, or controller failure
- System Manager controlled failback using a configuration utility to maintain system integrity
- Automatic failback if failed path returns to standby and the alternate path fails
- Exploits dual bus potential of the HSG80 controller for improved bandwidth and throughput performance
- Static load balancing capability
- Manage storage through a user-friendly Command Line Interface
- User-friendly, industry standard software installation and setup
- Fibre Channel loop and switched fabric support
- Supports two StorageWorks RAID Array 8000 or ESA12000 systems
- Supports Veritas Cluster Server
- Supports dual paths from a host to StorageWorks RAID Array 8000/ESA 12000 systems

High Availability

Dual-active fibre channel controllers provide redundant paths for continuous 24x7 data access.

Sun Architecture Support

Support both the 4u and 4d Solaris architectures

Operating System Support

Supports Solaris v2.6 and Solaris 7 (32-bit mode)

Manageability

The Secure Path Management Tool (spmt) has the following features:
- **Display** – shows the current path, its state and configuration.
- **Command line interface** (CLI) – provides an interface to the RAID storage system.
- **Toggle** – allows the movement of a LUN from one path to another.
- **Restart** – restarts the specified controller.
- **Shutdown** – shuts down the specified controller.
- **Restore** – moves LUNs to their controller specified "preferred path" setting.
- **Remove** – excludes the specified host bus adapter from the configuration.
- **Reconfig** – restores the specified host bus adapter from the configuration.
- **Spinit** – allows the user to set the mail address to the location for all notification of path transition states; starts and stops the spdaemon for maintenance purposes.

Packaging

Software kit containing CDROM, documentation and license

Warranty

Standard Industry 90 day conformance

BENEFITS AT A GLANCE

Feature	Function	Benefit
Dual path management	Reroutes I/O to functioning alternate path in case of hardware failure	No Single point of failure from server to storage
Secure Path Management Tool	General purpose tool to manage the Secure Path	Ability to manage the Secure Path from a single application
Dual active controllers	Multi-bus mode allows each controller to be configured on its own bus and to process I/O independently	High system availability and performance boost

TECHNICAL SPECIFICATIONS

Basic Configuration	Standalone storage configuration with dual controllers
ACS Support	Supports ACS 8.5f
Operating System Support	Solaris 2.6, Solaris 7 (32-bit mode)
Application Support	Veritas Cluster Server
Controller Interface	Fibre Channel
Performance Degradation	Minimal
Warranty	3 year (1 year on-site)

REGULATORY APPROVALS

Standards for CD-ROM; No special regulatory approvals for the software itself

ORDERING INFORMATION

If you are ordering Secure Path for Sun Solaris for the first time order the following part number:

165991-B21 – This part number includes the CD-ROM, License for one copy of Secure Path V2.1 for Sun, and all documentation.

If you have Secure Path for Sun V2.0, simply download the upgrade from the following web site:

http://www.compaq.com/products/storageworks/storage_mgmt_software.html

Please note this web site is available in English only.