

QuickSpecs

SANworks Secure Path v2.0 for IBM AIX by Compaq

OVERVIEW

Secure Path v2.0 for IBM AIX

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

What is Storage Services Bundling?

The Storage Services Bundling takes the existing storage products along with the existing services and creates bundles of storage hardware/software and appropriate services. The increased level of support provides for a higher level of storage system availability for the customer.

FEATURES

- Automatic failover capability on occurrence of adapter, cabling, switch, or controller failure
- System Manager controlled failover using a configuration utility to maintain system integrity
- Fail back if a path returns to standby and the alternate path fails
- Exploits dual bus potential of the HSG80/HSG60 Fiber Channel controllers for improved bandwidth and throughput performance
- Load balancing capability
- Manage storage through a user-friendly Command Line Interface
- Manage storage path via smit utility
- User-friendly, industry standard software installation and setup
- Fiber Channel switched fabric support
- Supports dual paths from a server to *StorageWorks*™ RAID Array 8000, Enterprise Storage Array 12000, Modular Array 8000, Enterprise Modular Array 12000 and Modular Array 6000 Storage Systems by Compaq
- Supports up to four *StorageWorks* RAID Array 8000, Enterprise Storage Array 12000, Modular Array 8000, Enterprise Modular Array 12000 and Modular Array 6000 Storage Systems
- Supports the addition or removal of a LUN or RAID controller without a server reboot
- Support for HACMP clusters on AIX V4.3.3 with HSCMP V4.4
- Support for *SANworks*™ Data Replication Manager by Compaq

High Availability

Dual-active Fiber Channel controllers provide redundant paths for continuous data access.

Operating System Support

Supports IBM AIX 4.3.2, 4.3.3 and 5.1

Manageability

The Secure Path for IBM AIX Management tool (cbxfscm) includes the following options:

- **listdev**: Prints a list of all devices connected to the Fiber Channel adapters with status of the paths to the device
- **listpath**: Displays information about the paths to a specific device
- **unfail**: Changes the state parameter of a device path from Failed or from Standby to Online
- **listadapt**: Lists the Fiber Channel adapters in the system
- **config**: Configures paths to all devices that are connected to the adapter
- **listall**: Displays full path, adapter and device information

Packaging

Software kit containing CDROM, documentation and license

Warranty

Standard Industry 90 day conformance

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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
Load Balance	Allows users to statically distribute LUNs on both controllers.	Performance enhancement
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	Stand-alone storage configuration with dual controllers
ACS Support	HSG60: ACS 8.5L, ACS 8.6L HSG80: ACS 8.5F, ACS 8.6F
Operating System Support	IBM AIX 4.3.2, 4.3.3 and 5.1
Host Adapters	DS-SWIA1-PD, 197819-B21 PCI to FC HBA for AIX (FC-AL & FC-SW) – Bundle, 253739-001
Performance Degradation	Minimal (< 3%)
Warranty	Standard Industry 90 day conformance

REGULATORY APPROVALS

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

ORDERING INFORMATION

Order Secure Path for IBM AIX using the following part numbers:

- 231495-B21 Secure Path for IBM AIX 1 license
- 231312-B21 Secure Path for IBM AIX 5 license
- 231313-B21 Secure Path for IBM AIX 10 licenses

These part numbers include the CD-ROM, documentation and the appropriate license.

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