

QuickSpecs

Compaq StorageWorks Non-Disruptive Backup & Restore Solution Best Practices for UNIX and Windows

Overview

Introduction

The Ultimate in Data Storage: Backup & Restore for Business Critical Environments

The Non-Disruptive Backup & Restore Solution allows you to:

- **Simplify Storage Management** – Create, run and manage storage replication jobs with ease
- **Protect Data with minimal disruption to applications** – Perform LAN free backups and restore data while minimizing application downtime or performance degradation
- **Reduce Complexity** – Control distributed storage from a central site via a web browser
- **Enhance Productivity** – Leverage productivity from parallel processing: e.g. using the second copy of production data for backups, upgrades, testing, data mining, etc.

Virtually eliminating the Backup Window and Simplifying Backup Management

The Non-Disruptive Backup & Restore Solution uses Compaq SANworks Enterprise Volume Manager (EVM) to automatically schedule offline backup of applications in your environment and create, in background mode, an independently addressable point-in-time copy for use in backup and restore operations. The point-in-time copies are either mirror images (clones), or virtual copies (snapshots) of active production volumes. This parallel processing offers workload compression and the ability to perform non-disruptive backup and restores while maintaining normal business operations. The Non-Disruptive Backup & Restore Solution helps you to configure all the components necessary to implement; including characterization, sizing, and performance data. It provides a backup infrastructure for SAN (dual loop and switched fabric) storage environments.

Seamless Integration/Investment Protection

The Non-Disruptive Backup & Restore Solution integrates smoothly into existing environments. Both performance and capacity can be scaled with the addition of RAID Arrays and tape libraries. A significant component in Compaq's Enterprise Network Storage Architecture(ENSA), the Non-Disruptive Backup & Restore Solution ensures simple, centralized backup and restore management, as well as the highest level of availability for production storage systems.

Hardware, Software, and Characterization Components

The Non-Disruptive Backup & Restore Solution consists of the following components:

- SANworks Enterprise Volume Manager software
- HSG80 Raid Arrays
- Choice of tape library
- Choice of SCSI or fibre channel SAN interconnect
- Supported third party backup software:
Windows®: VERITAS Backup Exec, Legato NetWorker, CA ArcServeIT, Tivoli Storage Manager
UNIX®: Legato NetWorker, VERITAS NetBackup
- Usability data: configuration, performance, sizing, and characterization

Operating System Support Supported:

- Windows 2000 Server with SP2
- Windows 2000 Advanced Server with SP2
- Windows 2000 Datacenter Server
- Windows NT® 4.0 Server with Service Pack 5 or 6a
- Windows NT 4.0 Enterprise Edition with Service Pack 5 or 6a
- Tru64 UNIX Version 4.0F or 4.0G
- Sun Solaris Version 2.6, 7.0 with 32-bit mode, 7.0 with 64-bit mode, 8.0 with 32-bit mode, or 8.0 with 64-bit mode

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Service and Support, HP Care Pack and Warranty Information

- Software Product Services**
- Stand-alone telephone support
 - Rights to new license version
 - Media and documentation updates

- Hardware Product Services**
- Installation services
 - On-site Maintenance (includes warranty support)
 - Response time upgrades during the warranty period
 - Post-warranty coverage
 - RAID setup and performance consulting via statement of work

For additional hardware installation and maintenance information please, refer to the URL listed below:

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

- Warranty Upgrade Options**
- Response - Upgrade on-site response from next business day to same day 4-hours
 - Coverage - Extend hours of coverage from 9 hours x 5 days to 24 hours x 7 days
 - Duration - Select duration of coverage for a period of 1, 3, or 5 years

"HP Care Pack" or "PSP" - Priority Service Plans" Information (depending on Geography)	<i>Sample part numbers:</i>	
	3 year, uplift to 9 x 5, Next Day Response (NA)	FM-**XHW-36
	3 year, uplift to 9 x 5, 4hr Response (NA)	FM-**4HR-36
	3 year, uplift to 24 x 7, 4hr Response (NA)	FM-**724-36

** represents a two-digit, product-specific code

- HP Care Pack/PSP is defined as an upgrade to the product warranty attribute, available for a specific duration and hours of coverage.
- HP Care Pack/PSP is not available for less than the product's warranty duration.
- HP Care Pack/PSP is available for sale anytime during the warranty period for most products, but the commencement date will be the same as the Warranty Start Date (delivery date to end-user customer). Proof of purchase may be required.
- HP Care Pack /PSP services are prepaid.

For additional USA HP Care Pack (hardware & software) information, as well as orderable part numbers, please refer to the URL listed below:

<http://h18005.www1.hp.com/services/carepaq/index.html>.

Components The following brick-level options/components do not have individual HP Care Pack services. These items will be included in product HP Care Pack services into which they are installed.

Disk Drives	Tape Drives	CD/DVD ROM	SCSI Hubs in SBBs
Bus Converters	Backplane RAID Controllers	Power Supplies	Cabling

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