

HP OpenView Storage Data Protector Media Operations

Data sheet



The need to copy increasing amounts of customer data to removable storage media creates a huge physical asset management problem. In many cases, companies have to deal with hundreds, or even thousands, of tape and other removable storage media movements on a daily basis. Without effective management tools to track media and direct media handling operations, organizations run the risk of losing valuable backup tapes, thus putting their ability to recover data at risk.

HP OpenView Storage Media Operations is a life cycle media management solution providing tracking and management of offline storage media—such as magnetic tapes—resulting in more reliable backups, faster data recovery, improved staff efficiency and reduced costs. Unlike “home-grown” tools, Data Protector Media Operations offers a professional solution for IT operations that manage thousands of removable media. It tracks all media, whether online, offline or offsite, helping to ensure vital data is never lost. Data retention and media recycling policies are enforced for assured service quality. To guarantee backup success, Data Protector Media Operations monitors media quality and ensures libraries are preloaded with sufficient scratch tapes.

Designed in partnership with data-center staff, Data Protector Media Operations maximizes the effectiveness of media procedures by creating daily task lists, organizing tapes for logical data center walkthroughs, and enabling operator control of tape libraries, barcode scanners and media label printers.

Data Protector Media Operations is fully integrated with all of the key elements of the backup/recovery and media management environment to facilitate automated data exchange between applications, equipment and service providers. This includes data collection from backup applications, fast data entry via barcode scanners and electronic information exchange with offsite service providers and replacement media vendors. By monitoring media operations at the service level, and by reporting any exceptions to pre-defined Service Level Objectives, Data Protector Media Operations allows operations staff to focus on meeting the needs of the business, while media operations takes care of the operational details.

Features and benefits

Reliable and scalable media management

Data Protector Media Operations can scale to meet the needs of even the largest operations with tens of thousands or even hundreds of thousands of removable storage media of all types, it is ideal for smaller organizations as well. It allows companies to meet their scalability and multi-site coordination needs, reduces the cost of managing volumes of media and improves disaster resilience.

Regional or multi-site tape sharing

Many organizations have tapes distributed across multiple sites and regions. There may be occasions when organizations need to transfer or share tapes among locations, sometimes for moving large data sets or for disaster-recovery purposes. Data Protector Media Operations automates this transfer process, automatically transmitting the tracking data and providing the return instructions to accompany the tape(s). This reduces the risk of lost media and improves recovery resiliency.

Automated pre-mount configuration

Managing the tapes needed to support daily or weekly backups has traditionally been a challenging and potentially error-prone process. As companies use more and more tapes for backups and off-site vaulting, the manual method of tracking which tapes need to be mounted where and when can quickly become overwhelming. Data Protector Media Operations solves this problem with automated pre-mount configurations. These pre-mount configurations increase backup reliability, save time and reduce errors in mounting media.

Error checking and duplicate tape warnings

Data Protector Media Operations automatically performs device error checking to ensure no conflicts exist that might interfere with scheduled backups. This feature helps to identify and correct cases where improper device specifications caused backup failures. Data Protector Media Operations also identifies instances of duplicate tape labels or numbers. This feature reduces instances of backup failure, improves backup reliability and eliminates instances of duplicate tapes.

Accelerated tape logging and vaulting

Data Protector Media Operations enables administrators to subdivide and delegate the check-in and storage process without diminishing control and security. Vault administrators can process 1,200 tapes in one to two hours. User name and password security enables multiple users to log in and help check in and store tapes. Data Protector Media Operations streamlines workflow, saves time, improves the division of labor and helps ensure secure tape handling.

Detailed audit trails

Datacenters conduct company-wide media audits to account for every piece of media. Data Protector Media Operations helps reduce this task considerably. Each piece of media has a full audit trail so the administrator can quickly see all actions performed on that media, so process-related issues can be easily identified and rectified. In addition to saving time during media audits, Data Protector Media Operations maximizes media utilization by identifying tapes that can be reused, reduces restore times by accurately handling tape identification and assists in enforcing data-retention policies.

Runs stand-alone or with leading backup solutions

Data Protector Media Operations can run as a stand-alone application or it can be integrated with HP Data Protector and other leading backup and recovery applications. Full integration with HP Data Protector saves time and helps ensure backup reliability, and the XML-gateway allows for integration with virtually any other backup application.

HP Services

HP Services has end-to-end, industry-leading expertise in delivering solutions that help you improve your business agility. From initial assessment and design to technical integration and ongoing support, HP Services can be your single point of contact and accountability.

HP related services:

- **HP Installation and Startup Services for StorageWorks products**—provides for the deployment of HP StorageWorks, HP OpenView, and certain 3rd party storage products.
- **Other HP Storage Management Services** include:
 - Backup and Recovery Solution Service
 - Data Replication Solution Service
 - Disaster Tolerant Management Service
 - Electronic Vaulting Service for Enterprises
- **HP Care Pack Services**—a comprehensive portfolio of services for maintaining the highest levels of IT availability.
 - Critical Service
 - Proactive 24 service
 - Support Plus 24 service
- **Instant Support Enterprise Edition (ISEE)**—remote monitoring and support solution for your servers, storage, and networks.
- **Business Continuity Services**—protect and minimize disruption to IT infrastructure and associated business processes against site outages, disasters and environmental events.

Across the globe, enterprise customers rely on HP Services to design, deploy, manage, and support the IT systems that run their businesses. HP Services capabilities cover consulting and integration, outsourcing, and support services. With more than 67,000 services professionals operating in 170 countries, acknowledged technology leadership, and a heritage of innovation in services, HP Services can point to an extensive track record of helping customers improve their ability to support their changing business needs.

For further details, contact your HP sales representative or visit: www.hp.com/hps/storage.

Figure 1: Setting server parameters



Specifications

Server installation	<ul style="list-style-type: none">• Operating system requirements: Windows® 2000 Advanced Server and Windows Server 2003, or Windows NT® 4.0, Service Pack 6 or later• CPU minimum requirements: Pentium® III 500 MHz processors or above• System memory: 512 MB RAM or more• Disk capacity requirement: 200 MB free space or more (dependent on number of media pieces tracked)• Other: Supports connection to multiple backup management servers, such as Data Protector cell managers, from a single Media Operations server
XML gateway installation	<ul style="list-style-type: none">• HP-UX v11.x and above on PA-RISC systems• Windows 2000 Server, Advanced Server and Windows Server 2003 on Intel, AMD, IA-32• Solaris v7, v8 and v9 on SPARC systems• SUSE Linux Enterprise Server 9 on Intel, AMD• Supports Data Protector 5.x• Netbackup Business Server 4.5• Netbackup Data Center 4.5• Netbackup Enterprise Server 5.0• Netbackup Enterprise Server 5.1
PC client installation (GUI)	<ul style="list-style-type: none">• Windows 2000 Professional on Intel, AMD• Windows 2003 on Intel, AMD, IA-32• Windows XP on Intel, AMD, IA-32• Celeron® and compatible CPU and above, 256 RAM minimum, 25 MB free disk space
Web client	Microsoft® Internet Explorer revision 6.0 or later and Netscape Navigator 7.0 or later browsers supported
Barcode label printer support	<ul style="list-style-type: none">• Zebra thermal 300 dpi
Barcode scanner support	<ul style="list-style-type: none">• Any scanner with keyboard emulation and “enter key” suffixing—for example, Symbol Technologies P300 series handheld scanner (or compatibles)• Barcode scanner is supported on the Media Operations Server, Media Operations Manager GUI and Media Operations Web GUI on a server running Internet Explorer or Netscape
Maximum media supported	250,000 removable storage media (with 12-month log retention)

What's included

Software available as download or on distribution CD with 60-day free trial. Can be upgraded to full license by installation of a license key. All Media Operations software licenses (LTUs—licenses to use products) bundle one year of customer care standard support and maintenance releases as part of the license fee.

For ordering information, please see QuickSpecs: www.hp.com/go/QuickSpecs

Warranty and included services

HP warrants only that the software media will be free of physical defects for a period of ninety (90) days from delivery. For more information about HP's Global Limited Warranty and Technical Support, visit: www.hp.com/products/storageworks/warranty

HP Care Pack services

HP Care Pack Services offer upgraded service levels to extend and expand your standard product warranty with easy-to-buy, easy-to-use support packages that help you make the most of your hardware and software investments. They let you choose the support levels that meet your business requirements, from basic to mission-critical. They help you contain total cost of ownership.

HP Care Pack warranty extensions can be purchased along with HP products to cost-effectively upgrade or extend your warranty. For many products, post-warranty HP Care Pack Services are available when your original warranty has expired. For more information on these services, contact your local HP sales representative, authorized HP business partner, or visit: <http://www.hp.com/go/storage/carepacks>

Additional HP support services

HP Services provides a broad spectrum of services to commercial and enterprise customers, including performance and availability services such as proactive mission-critical services, as well as support management services for deployment of the entire IT infrastructure, including HP and multivendor environments. For more information on these services, contact your HP sales representative, authorized HP business partner, or visit: www.hp.com/hps/storage

Education services

HP offers a variety of training methods to fit your needs including traditional instructor-led courses at one of our 120 training centers worldwide, onsite training customized to your needs, in your facility, or even Remotely Assisted Instruction Learning that combines the best of traditional classroom training (including its live instructor and labs) with the best of online training (no traveling required). And if you like learning on your own schedule, at your own pace, make use of e-learning opportunities on the award-winning HP IT Resource Center, a "learning community" with extensive on-demand resources that can be accessed 24x7. For more information on these services, contact your HP sales representative, authorized HP business partner, or visit: <http://education.hp.com/curr-storsan.htm>.

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For more information

For more information on HP OpenView Storage Data Protector Media Operations, contact any of our worldwide sales offices or visit our web site at: www.hp.com/go/dataprotector

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