

HP OpenView Storage Data Protector Media Operations

Product Announcements, Software Notes, and References

Version: 6.0



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Product Announcements, Software Notes, and References

Announcement

The following is for version A.06.00 of the HP OpenView Storage Data Protector Media Operations software product. It provides 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 homegrown tools, Media Operations offers a professional solution for IT operations that manages thousands of removable media. It tracks all media, whether online, offline or offsite, ensuring vital data is never lost. Data retention and media recycling policies are enforced for assured service quality. To guarantee backup success, Media Operations monitors media quality and preloads libraries with the required number of scratch tapes.

Unlike competing products, Media Operations maximizes the effectiveness of media procedures by creating daily task lists, organizing tapes for logical data center walk-throughs, and enabling operator control of tape libraries, barcode scanners, and media label printers.

Other Media Operations documentation

The Media Operations kit also includes:

- Getting Started Guide
- User's Guide
- Online help

Additional documentation, including white papers and best practices documents, are available via the HP web site at: <http://www.hp.com/go/dataprotector>.

What's in This Version

Enhancements

- Added support for HP OpenView Storage Data Protector A.06.00
 - Includes support for the new Object Consolidation feature, so that scheduled and triggered consolidation operations are taken into account for Premount, and there are policy options for sites, pools, backup/copy/consolidation specifications and system to set a different vaulting policy for media (containing consolidation sessions) from backup media (containing backup data). Scheduled consolidation jobs defined in Data

What's in This Version

Protector A.06.00 are shown as Consolidation Specifications in the Media Operations GUI. In a similar way to Backup/Copy Specifications, Consolidation Specifications can also be assigned to different Premount Job Schedules in a site.

- Includes support for multiple free pools. Data Protector A.06.00 allows the creation of multiple free pools as long as the media in the media pool is of the same type. Media Operations allows for the possibility that there may be multiple media pools for the same media type. Media Operations can use the media available in free pools for a given media type while creating Premount jobs (if the `Use free pool` option is selected in the backup manager).
- Added support for Veritas NetBackup, including:
 - Veritas NetBackup 5.0 and 5.1 Enterprise Servers
 - Veritas NetBackup 5.0 and 5.1 Servers
- Added XML Gateway support for the HP-UX 11.23 platform
- Added XML Gateway support on Linux.

The support is available for SUSE 9. The Linux gateway can be used as an integration agent between the Media Operations Server and the Data Protector backup manager.

- Added support for the Inline Tape copy feature of Veritas NetBackup.
 - Media Operations creates copy specifications for Inline copies defined in the NetBackup policies, which it then uses for Premount job calculations.
- Startjob utility for starting the daily jobs from the command prompt.
 - Allows administrators to start Vaulting, Premount, Scratch and Daily-metrics jobs from the command line at their convenience. The utility can be used from any system where the Media Operations server or client is installed.
 - Provides an option to disable the automatic start of the scheduled Vaulting, Premount, Scratch and DailyMetrics Jobs.
- Added support for print Vault Audit report to a file
 - Allows you to print the contents of the vault of a site to a file (in HTML format).
- Allows a postfix while printing barcode labels (*Change Request: QXCR1000286537*)
 - Besides a prefix, you can define a suffix while creating barcodes in the barcode policy screen.
- Allows disabling of check for link to offsite vendor (*Change Request: QXCR1000230797*)

- A check box in the Generic offsite vendor definition screen allows you to disable the check for an electronic link to the generic offsite vendor.
- You can select the media pool while confirming Premount jobs. (*Change Request:* QXCR1000246946)
- You can use fair quality media in Premount and Scratch Bin jobs (*Change Request:* QXCR1000219873)
- File devices are no longer allowed in Premount and Vaulting jobs. (*Change Request:* QXCR1000219877)
- The Media listing for good quality media displays “Good” in the media properties column. (*Change Request:* QXCR1000309057)
- Media Operations selects the latest Data Protector backup manager version as the default backup manager when adding a backup manager to the site. (*Change Request:* QXCR1000331304)
- Printout of “Vaulting List - Print remaining” prints all columns on a single page. (*Change Request:* QXCR1000247396)

Resolved Issues

- Media does not get vaulted properly into reserved slots. (*Change Request:* QXCR1000246455)
 - A new combobox allows you to select the cell manager for a particular site so that media pools associated with the backup manager are filtered. Fixed an issue associated with the vault slot reservation for the corresponding media compression type.
- Drawers and cabinets mismatch for vault in Vault Audit Listing GUI. (*Change Request:* QXCR1000227245)
 - The correct drawers and cabinets are now filtered after selecting a vault.
- Device scan fails on non-barcode library. (*Change Request:* QXCR1000232371)
 - The Media Operations server now sends the correct slot range to the XML gateway.
- Exclude Weekend checkbox does not work properly for media vaulting. (*Change Request:* QXCR1000240785)
 - Vaulting jobs are now never launched on weekends if the “exclude weekends” checkbox is selected.
- Scratch Schedule name length has to be increased. (*Change Request:* QXCR1000246493)

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- The scratch schedule name field in the Media Operations database is now 40 characters, so the name should now be displayed correctly without truncation.
- Error String needs some modifications for two error codes. (*Change Request: QXCR1000246921*)
 - The correct error strings are now displayed for the error codes.
- Media Type/Compression info is wrong for some devices in the Media Operations GUI. (*Change Request: QXCR1000287698*)
 - The XML gateway now returns the correct media compression type for all default media pools. The Media Operations Server now displays the correct media type/compression information.
- Online F1 Help does not show the related context for some components. (*Change Request: QXCR1000297932*)
 - New and modified F1 help links display the context-sensitive help.
- The Backup Specification report fails in case of an AMC spec with weekly protection. (*Change Request: QXCR1000309025*)
 - The XML gateway can now handle the AMC (Automated Media Copy) specification for which protection is set in weeks.
- Premount job shows required media in fractions for Object Copy specs. (*Change Request: QXCR1000295606*)
 - The Premount job algorithm now rounds off the required number of media for object copy specifications.
- Used Media report fails if there is AMC media in the MoM setup. (*Change Request: QXCR1000297891*)
 - The XML gateway now handles AMC media properly in a MoM environment.
- Unwanted file library media are listed in the premount job. (*Change Request: QXCR1000309328*)
 - The Premount job algorithm now ignores file library/jukebox media.
- Premount calculation gives media in fractions for postbackup Object Copy specs. (*Change Request: QXCR1000309466*)
 - The Premount job algorithm now rounds off the required number of media for postbackup Object Copy specifications.

- Wrong premount calculation for the postbackup AMC specs. (*Change Request: QXCR1000309561*)
 - The Premount job algorithm now rounds off the required number of media for postbackup AMC specifications.
- “mediaProtection” tag needs to be removed from the Object Copy Specs XML. (*Change Request: QXCR1000309625*)
 - The XML gateway is modified so the tag is not visible in the Copy Specs of the Backup Specs XML report.
- Mismatch while changing the password leads to quit the GUI. (*Change Request: QXCR1000293056*)
 - The 4D alert message no longer crashes the Media Operations Server.
- Rescan init does not work in Premount for newly initialized media. (*Change Request: QXCR1000318296*)
 - The required media count for a Premount job is now reduced when the “Rescan Scratch” is done for the Premount job.
- “Export Remote Account report” operation fails. (*Change Request: QXCR1000303971*)
 - The operation no longer fails when there are no remote accounts configured.
- Polling history shows a time difference of 30 minutes from the backup manager. (*Change Request: QXCR1000286020*)
 - The half-hour time difference is no longer earlier ignored during a manual synchronization.
- Media Operations allows deletion of an offsite vendor with transit records. (*Change Request: QXCR1000226366*)
 - You can now only delete a vendor account if there are no transit records associated with it.
- Importing manual media generates an alert. (*Change Request: QXCR1000238349*):
 - You are now only alerted if the data is not proper or if there is no data during a data import.
- Backup specification cannot be created manually. (*Change Request: QXCR1000222856*):
 - You can now create a manual backup specification by choosing the backup drives and their associated media pools.
- Slot capacity accepts 0 values (*Change Request: QXCR1000127103*):

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- None of the vault slot definition input values now accept 0 as an input value.
- Unwanted `InstallDir` entry gets added in `xml_config` if no backup manager is installed. (*Change Request: QXCR1000222154*):
 - The Backup manager path is now not set if the backup manager is Data Protector.
- Column header name needs to change in the Media Information Form. (*Change Request: QXCR1000306304*)
 - The column header has changed from “Name” to “Description” in the Media Information screens.
- HPMedOps HPUX A.03.01 control scripts are non-standard/misleading (*Change Request: QXCR1000112680*)
 - The scripts now follow the HP-UX Software Distributor (SD) standards.
- The License Autopass GUI does not show up on a Remote desktop connection while adding or viewing Media Operations licenses. (*Change Request: QXCR1000295578*)
 - The License Autopass GUI now shows up on the remote desktop session.
- Continually receiving Scratch Init jobs for LTO2 Media. (*Change Request: QXCR1000318563*)
 - The number of expired media present in the device are now taken into consideration during Scratch init calculation.
- The SMO Client GUI closes unexpectedly (crashes) when the Refresh button is clicked repeatedly. (*Change Request: QXCR1000318299*)
 - A Progress bar now indicates the status of the screen update, giving users information about the refresh so they do not repeatedly click the Refresh button.
- Vaulting policy override fails at object copy/consolidation specification level. (*Change Request: QXCR1000309674*)
 - The vaulting policy override algorithm now selects the correct policy.
- The Save Vault Audit Report button produces an error if the checkbox is not selected. (*Change Request: QXCR1000304281*)
 - The Save Vault Audit Report button is now disabled when the Save Report checkbox is deselected.
- Duplicate device entries in the Load/Eject form of premount job. (*Change Request: QXCR1000309623*)

- Devices entries are no longer duplicated in the “Load/Eject Media” view of a premount job.
- The Media Operations server allows a top-level administrator to delete all top-level administrators and users who can log into the server. (*Change Request: QXCR1000326378*)
 - The authentication algorithm now disallows this.
- Spelling mistake in the Notifications -> SMTP GUI (*Change Request: QXCR1000330609*)
 - Corrected
- Spelling of “Incremental” wrong in Backup Spec schedules. (*Change Request: QXCR1000325053*)
 - Corrected
- The Backup Specification report does not list the hourly schedule for a NetBackup policy. (*Change Request: QXCR1000323218*)
 - The NetBackup gateway has been fixed so that the report now lists all backup policies created along with their respective schedules.
- The Daily Metrics Print through Mail Notification is in an incorrect format. (*Change Request: QXCR1000309177*)
 - The mailing functionality in the Media Operations Server has been changed so that all reports sent through email are in the proper format.
- OVO Notifications on Media Operations do not appear on the OVO Windows management server. (*Change Request: QXCR1000332244*)
 - Fixed by increasing the length of the path variable that contains the path to the OVO file (`opcmsg.exe`).

NOTE

If in the earlier installation of Media Operations the path length of the OVO file was greater than 80 characters, you should reselect the path after upgrading to Media Operations A.06.00.

- The Backup Specification report does not list all policies created in NetBackup. (*Change Request: QXCR1000314817*)
 - Copy specifications are now added after all the backup specification reports have been collated in the Backup Specification report.

Recognized Issues and Workarounds

- Media Location import fails for multiple slots with same slot name. (*Change Request: QXCR1000227248*)
 - The import media location algorithm now takes into account multiple media associated with same slot during import.
- Media Operations produces unwanted alerts if you click the Refresh button in the Notification GUI. (*Change Request: QXCR1000302575*)
 - The refresh button algorithm in the Notification GUI has been fixed.
- The print format of the Source Pick list is not correct. (*Change Request: QXCR1000293058*)
 - The column widths in the HTML report have been corrected.
- The print format of the scratch list for Premount jobs is incorrect. (*Change Request: QXCR1000296739*)
 - The column widths in the HTML report have been corrected.

Recognized Issues and Workarounds

NOTE For a list of other recognized issues and workarounds, refer to the `Readme.txt` file that is part of the Media Operations package.

Limitation:

If you are using HP OpenView Storage Data Protector as backup manager and it runs in a locale other than English, Media Operations has the following limitation:

If the Backup Device/Drive name has localized strings (such as Japanese), Media Operations will not be able to perform actions such as Barcode scan, Device scan, Init, Eject and Load on the device.

Workaround:

Use the Autoconfigure option in Data Protector to configure devices, or replace all non-English characters in the device with English characters.