

Veritas NetBackup™ 6.5 Options

The Veritas NetBackup Platform—Next-Generation Data Protection

Overview

Veritas NetBackup provides a comprehensive selection of innovative options to aid in customizing your backup and recovery environment with tape, disk, or a combination of both. Environments can be customized to better utilize disk capacity, leverage specific architectures such as storage area networks (SAN) or network-attached storage (NAS), enable better disaster recovery practices, or add a new level of data security for tapes being taken offsite.

Innovative options unlock the power of disk

Veritas NetBackup delivers the ultimate in choice when it comes to unlocking the power of disk-based data protection. Whether you want to share disk in a SAN, leverage deduplication, or add protection for desktop or laptop systems to an overall protection plan for your environment, Veritas NetBackup can make it all happen from one management console. There are three new Enterprise Disk Options to help unlock the potential of disk in your backup and recovery environment. They are the Flexible Disk Option, OpenStorage Disk Option and the PureDisk™ Deduplication Option.

Flexible Disk Option (new)—This option enables you to use commodity attached disk (direct-attached storage [DAS], SAN, NAS) for open, shared, high-speed backup and recovery. For additional performance, you can share disk in a SAN for the ultimate disk-based backup solution (utilizing the new Veritas NetBackup SAN client). Some key benefits include:

- **Reduced disk cost.** All the features of backup appliances leveraging commodity disk and servers are built into Veritas NetBackup.
- **Faster backups and restores.** Avoid slow LAN backups and restores and take advantage of high-speed backup to disk over the SAN.

- **Better disk utilization.** Disk is shared between multiple media servers, allowing for higher utilization.

OpenStorage Disk Option (new)—Back up your data to intelligent disk appliances with a Veritas NetBackup API. Veritas NetBackup manages the backup through these devices and also takes advantage of the unique capabilities of each device, such as deduplication and replication. A variety of Symantec Technology Enabled Program (STEP) partners are participating and will be bringing unique solutions to the market. Some key benefits include:

- **Fully leveraged intelligent disk appliances.** Take advantage of high-speed backup and recovery over a Fibre Channel or IP connection, along with disk sharing, virtualization, and deduplication technologies.
- **Enhanced disaster recovery.** Fully leverage advanced features such as backup image replication between multiple data centers, eliminating the need to ship, encrypt, or store tapes.
- **Integrated solutions.** Natively integrate intelligent disk appliances with Veritas NetBackup to deliver a seamless solution with additional functionality.

PureDisk Deduplication Option (new)—Enable data deduplication across Veritas NetBackup clients and backup only the unique data to commodity disk. The result is elimination of redundant data and ultimately less data stored on disk. Some key benefits include:

- **Increased ROI of disk.** Leverage PureDisk deduplication designed to dramatically reduce space on standard disk, allowing for months of backups to be kept online.
- **Reduced disaster recovery cost.** Cost-efficiently replicate data to another data center, saving on tape shipping and storage.



- **Enhanced high availability.** Using online failover for PureDisk environments with multiple servers, if the server that controls PureDisk experiences an outage, failover can be executed in minutes.

Virtual Tape Option—This option enables the use of virtual tape devices with NetBackup. With NetBackup 6.5, new enhancements deliver awareness of the duplication of backup images, enabling the virtual tape library (VTL) to move the data from virtual tape to physical tape or another VTL device under the control of Veritas NetBackup. Some key benefits include:

- **Media Management.** Leverage NetBackup's powerful media management capabilities just like a standard tape drive
- **Enhanced functionality.** Create physical tape copies of virtual tape backups.
- **Flexibility of restores.** Since Veritas NetBackup catalogues the duplications, restores can be performed from virtual or physical tape as needed.

Enterprise Disk Foundation—Some additional features are enabled when one or more of the following new Enterprise Disk Options or Tape Based Library Option are purchased. They are summarized as follows:

- **Storage lifecycle policies.** These allow the definition of protection service levels to classify different types of backup data based on its business value.
- **Media Server load balancing.** This capability delivers the high availability and dynamic capacity optimization of Veritas NetBackup Media Servers.
- **Disk capacity management.** Intelligently manage shared disk pools for better optimization and reliability.

Table 1. Enterprise Disk Foundation—Provides extra features to help optimize disk or tape in your backup and recovery environments.

Enterprise Disk Foundation	Enabled with any of the following options
Storage Lifecycle Policies	<ul style="list-style-type: none"> • Library Based Tape Drive • Flexible Disk Option
Media Server Load Balancing	<ul style="list-style-type: none"> • OpenStorage Disk Option • PureDisk Storage Option • Virtual Tape Option
Disk Capacity Management	<ul style="list-style-type: none"> • Flexible Disk Option • OpenStorage Disk Option • PureDisk Storage Option

NAS SnapVault Option—Allows the use of Veritas NetBackup to create, manage, and schedule disk-to-disk backups of multiple Network Appliance (NetApp) storage systems to less expensive secondary storage such as a NetApp® NearStore® solution. Seamless integration with NetBackup provides a single pane of glass and a familiar user interface for backup and restore of NAS filers. Some key benefits include:

- **Increased flexibility.** With this Option, you have the flexibility to meet demanding backup windows with greater granularity, and more scheduling options for Snapshot™ and SnapVault® transfers.
- **Rapid recovery.** Reduce the time and effort required for end users' restore requests with end user browse/restore capability.
- **Easier administration of snapshots.** Enhance snapshot administration with improved naming conventions and the elimination of cumbersome and error-prone command-line operations.

Desktop and Laptop Option—This Option provides continuous disk-based protection and automated file protection for desktops and laptops, whether on- or offline. Files can be backed up continuously, on a schedule, or manually. Some key benefits include:

- **Offline backup and restore.** When offline, files will be backed up to a local folder. When a connection is restored, data will be moved from a local file to the network share.
- **Flexible user restore.** Users can easily find and restore their own data wherever and whenever they need it, saving users' and IT administrators' time.
- **Decreased total cost of ownership.** Use the existing network infrastructure to protect and synchronize files between multiple machines and have the flexibility to select which files to back up, when to back them up, where data is stored, and how much bandwidth to use.

Options to fully leverage tape environments

Veritas NetBackup offers unparalleled media management and control of the overall tape environment, including tape library and drive sharing capability, encryption of tapes, and support for tape within a variety of storage network architectures.

Shared Storage Option—Share tape drives across Veritas NetBackup Media Servers and a SAN for enhanced performance and deliver a significant return on investment for tape drive and library hardware. Some key benefits include:

- **Minimized backup costs.** Increase tape drive utilization and lower the total number of drives required.
- **Rapid deployment.** Graphical wizards quickly discover and configure shared tape drives.
- **Increased fault tolerance.** Access additional tape resources in the event of a drive or network failure; includes support for multiple paths to tape drives.

NDMP Option—Provide reliable, high-performing backup and recovery services for NDMP-enabled NAS to local attached tape, tape attached to another NDMP-compliant NAS device, or to an existing Veritas NetBackup Media Server. Some key benefits include:

- **Optimized NAS environments.** Create point-in-time snapshots of data on an NDMP-enabled NAS device and leverage the Shared Storage Option to share tape drives between NAS devices and Veritas NetBackup Media Servers.
- **Decreased performance impact.** Support for Direct Access Recovery greatly reduces the time to restore a single file from tape-resident backup images.
- **Simplified setup.** A wizard-driven device configurator reduces the complexity of discovering and configuring NDMP-attached tape resources.

Media Server Encryption Option (MSEO)—Help ensure that tapes being transported offsite cannot be read in the event they are lost, mishandled, or stolen. MSEO provides maximum flexibility and performance by providing parallelized and selectable encryption and compression and “set it and forget it” key management. Some key benefits include:

- **Easier management and control.** Encrypt within the Veritas NetBackup policy, eliminating a separate process or an extra dedicated device to manage.
- **Maximum flexibility.** Choose what data you want to encrypt and then choose the appropriate compression and encryption strength (AES 128-bit or AES 256-bit).
- **Support for most common backup configurations.** Includes support for disk staging to tape, the creation of tape copies for offsite purposes, and the backup of NAS devices (via NDMP).

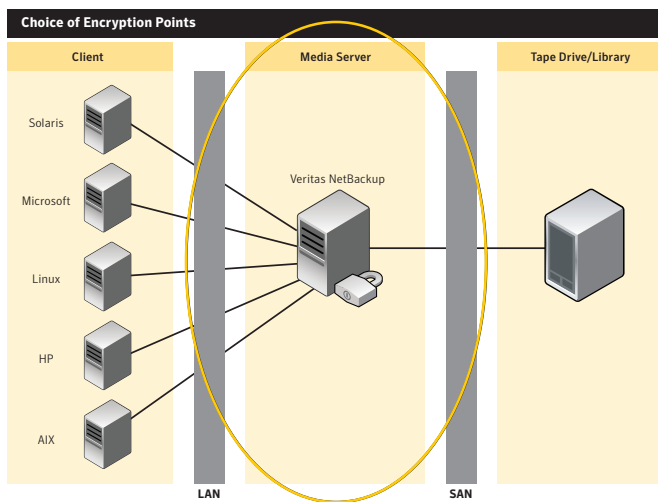


Figure 1. The Media Server Encryption Option encrypts at the Veritas NetBackup Media Server, which helps avoid impact to client operations.

Vault Option—Keep mission-critical data safely offsite in the event of a disaster by automating the complex and tedious process of backup duplication and offsite media management. You can set up profiles to control what, when, and how backups are duplicated, and when tapes will be shipped to and from the offsite vault to help ensure minimal data loss in the event of a disaster. Some key benefits include:

- **Increased efficiency.** Automate and track the movement of backup tapes to and from an offsite storage facility.
- **Simplified duplication tasks.** The Option provides necessary redundancy in case the primary backup tape is lost or destroyed, allowing for one copy to be kept onsite and another offsite.
- **Manual ejection of tapes eliminated.** Tape ejection is handled automatically based on profiles that determine which tapes should be sent offsite each day.

Table 2. NetBackup 6.5 Disk and Tape Option Overview

NetBackup Options for Disk	NetBackup Options for Tape
<ul style="list-style-type: none"> • Flexible Disk Option (new) • OpenStorage Disk Option (new) • PureDisk Deduplication Option (new) • Virtual Tape Option • NAS SnapVault Option • Desktop and Laptop Option 	<ul style="list-style-type: none"> • Shared Storage Option • NDMP Option • Media Server Encryption Option • Vault Option

Note: The Bare Metal Restore™ and Client Encryption Options are now part of the Veritas NetBackup standard client. In addition, the Snapshot Client is available as part of the new Veritas NetBackup Enterprise client software package.

More information

Visit our Web site

<http://enterprise.symantec.com>

To speak with a Product Specialist in the U.S.

Call toll-free 1 (800) 745 6054

To speak with a Product Specialist outside the U.S.

For specific country offices and contact numbers, please visit our Web site.

About Symantec

Symantec is a global leader in infrastructure software, enabling businesses and consumers to have confidence in a connected world. The company helps customers protect their infrastructure, information, and interactions by delivering software and services that address risks to security, availability, compliance, and performance. Headquartered in Cupertino, Calif., Symantec has operations in 40 countries. More information is available at www.symantec.com.

Symantec World Headquarters

20330 Stevens Creek Boulevard
Cupertino, CA 95014 USA
+1 (408) 517 8000
1 (800) 721 3934
www.symantec.com

