

Veritas NetBackup™—Platform

The Veritas NetBackup Platform—Next-Generation Data Protection

Overview

The Veritas NetBackup Platform delivers unified, disk- and tape-based data protection, archival, and recovery management that scales to protect the largest UNIX, Windows®, Linux®, and NetWare® environments. From remote offices to the data center, NetBackup offers comprehensive protection and a single console for the management of all backup and recovery operations. This centralized management platform provides integrated data archiving, migration, and retention capabilities that address regulations for governance and compliance. Advanced reporting on backup and recovery operations enables service-level management of all protected data in your enterprise.

Platform components

The NetBackup Platform consists of the following integrated components (see Figure 1):

- **Veritas NetBackup**—Enterprise backup and recovery for heterogeneous operating environments and storage infrastructures
- **Veritas NetBackup Agents and Options**—Designed to optimize backup and recovery for disk and tape as well as applications and databases. This enables centralized management of industry-leading data protection technologies from Symantec and its partners
- **Symantec Enterprise Vault™**—Intelligent archiving with data discovery of email systems, file servers, instant messaging, and content management applications

- **Veritas NetBackup Vault**—Automates the process of backup duplication and offsite media management
- **Veritas™ Backup Reporter**—Centralized reporting and service-level management of all backup operations across all locations and disparate backup products

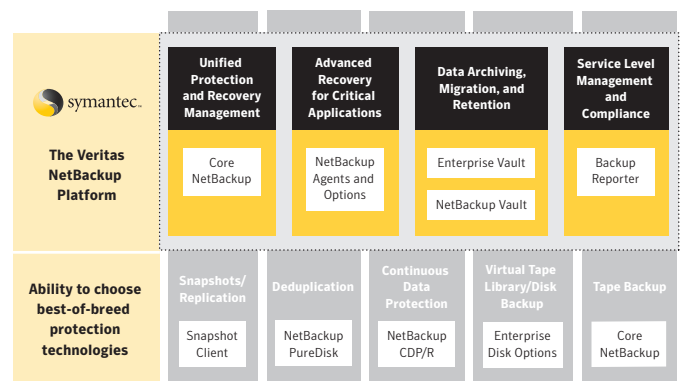


Figure 1. The Veritas NetBackup Platform provides next-generation data protection, archival, and recovery management.

To improve recovery point objectives (RPOs) and recovery time objectives (RTOs), IT data centers have deployed a plethora of technologies—from snapshots, replication, and virtual tape libraries (VTLs) to deduplication and continuous data protection. This has left many with multiple policies, management consoles, and processes driven by differences in technology rather than business needs. Consequently, the operational costs of protecting and archiving data to meet internal and/or external governance have increased.



The NetBackup Platform is designed to reduce the complexity and operational costs of protecting, recovering, and archiving data by delivering:

- Unified protection and recovery management
- Advanced recovery of critical applications
- Data archiving, migration, and retention
- Service-level management and compliance

Unified protection and recovery management

To leverage existing infrastructure investments while taking advantage of new and emerging disk-based data protection technologies, the NetBackup Platform simplifies and centralizes the management of your diverse backup environment from a single console. You can now unlock the power of disk-based backup to reduce RPOs and RTOs, leveraging any type of disk infrastructure—direct attached storage (DAS), network attached storage (NAS), and storage area network (SAN), as well as VTLs, snapshots, data deduplication, and other replicas.

With the simplified and centralized management provided by the Veritas NetBackup Platform, organizations can customize their data protection infrastructure according to application requirements. Data protection, retention, and recovery requirements can be automated with predefined storage life-cycle policies that correspond to the service levels you want to achieve for your applications.

Advanced recovery of critical applications

Aggressive RPOs and RTOs are required to keep mission-critical applications constantly available. Meeting those objectives requires tight integration of the backup and recovery process with the applications and databases

they are protecting. It also requires granular recovery to improve recovery time, instant recovery options from online images, and complete system recoveries of operating environment, application, and data in minutes. The NetBackup Platform satisfies these requirements with key features such as granular recovery capabilities for Oracle®, DB2®, Sybase®, SAP, VMware, Microsoft® SharePoint® Portal Server and Exchange, rapid recovery of heterogeneous snapshots from a variety of vendors, and complete system recoveries in approximately 15 minutes on any platform from Windows to Linux to UNIX (see Figure 2).

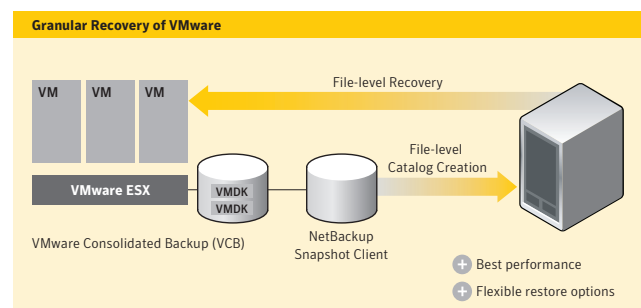


Figure 2. Veritas NetBackup enables granular recovery of critical applications such as VMware.

Data archiving, migration, and retention

The Veritas NetBackup Platform delivers intelligent archiving through Enterprise Vault that stores, manages, and enables the discovery of corporate data from email systems, filer server environments, instant messaging platforms, and content management and collaboration systems. Intelligent classification engines manage data, improving a company's ability to retain and protect corporate information while reducing storage costs and simplifying management. You can eliminate quotas and message size restrictions, and give users a mailbox of virtually unlimited size while controlling message storage growth. Migrate all existing PST

file data into the archive, enabling IT to effectively eradicate PST files. Archive to help reduce the online message store 50 to 75 percent, enabling Exchange and file server environments to achieve faster backup and restore times. And retain a copy of all email messages sent and received, keeping them for the appropriate period of time to meet regulatory or legal retention requirements (see Figure 3).

To keep your mission-critical data safely offsite and ready to recover in the event of a disaster, Veritas NetBackup Vault automates the complex and tedious process of backup duplication and offsite media management. Users 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.

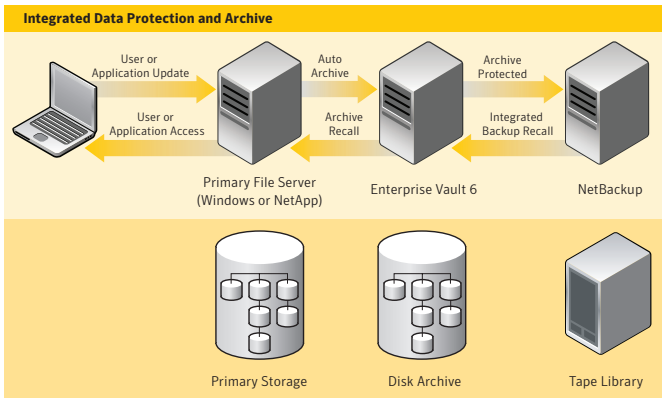


Figure 3. NetBackup and Enterprise Vault deliver an integrated data protection and archive solution that reduces costs and simplifies management.

Service-level management and compliance

Now you can increase the visibility and the efficiency of your backup and recovery processes with advanced backup reporting. The NetBackup Platform provides proactive updates to key stakeholders in your organization with

automated reporting that can be delivered by scheduled email. Organizations can verify backup service-level compliance and align the costs associated with backup and recovery with the needs of the business. Reports can be generated across the enterprise for Veritas NetBackup and Symantec Backup Exec™, CommVault Galaxy, EMC NetWorker, and IBM Tivoli Storage Manager (see Figure 4).

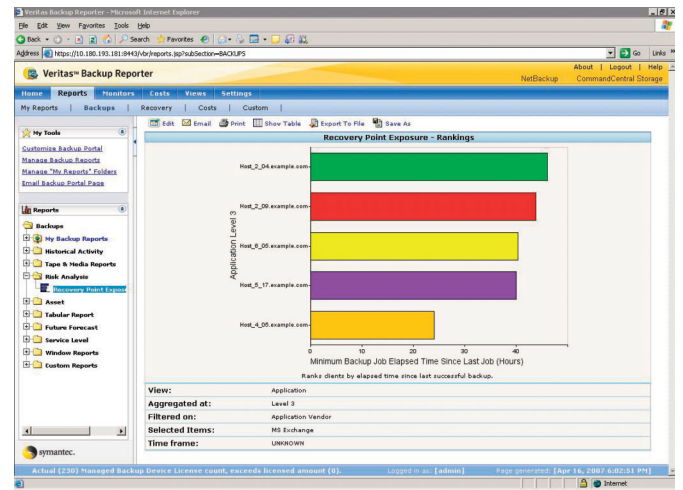


Figure 4. Veritas Backup Reporter tracks backup job success against targets over time and recovery point exposure by application.

Features and benefits

- Centralized and simplified management of data protection technologies, reducing backup windows, data recovery time, and operating costs
- Data archiving, migration, and retention for compliance management
- Support for the broadest range of operating environments and storage infrastructures, reducing operating costs and the data footprint for backup operations
- Complete system recovery from server to application to data, shortening data recovery time

- Data protection from desktop to remote office to data center, reducing data loss and operating costs
- Granular recovery from a single email or file to a complete data center, shortening data recovery time

Choice of best-of-breed data protection technologies

A wide variety of technologies are available from Symantec and its partners to address the full range of price and performance needs and specific backup problems, including:

- **Advanced disk options**—Leverage disk to its fullest potential, whether as a backup target or a tiered staging device or whether using a VTL or disk as disk.
- **Continuous data protection**—Eliminate slow backups, labor-intensive recovery, lost data, and costly application downtime by restoring data to any point in time.
- **Deduplication**—Optimize storage and network bandwidth by eliminating redundant data. In the deduplication process, duplicate data is deleted, leaving only one copy of the data to be stored.
- **Snapshot/replication**—Enable recovery to any point in time with minimal, if any, data loss and replicate data to a remote data center for disaster recovery.
- **Tape backup**—Maximize tape backup by sharing tape drives and tape libraries over the SAN and/or encrypting for maximum security prior to transport offsite.

More information

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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.

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