

Optimizing Data Protection with VERITAS and Network Appliance

The Challenge: Achieving Manageable and Available Data Protection

Data. Businesses depend on it. Companies store more of it. IT struggles to protect it. Everybody worries about recovering it. Nobody has increased the budget to manage it. Businesses struggle to manage and scale their backup infrastructures and at the same time increase data availability. How can a company possibly address all of these enterprise data protection challenges?

Explosive data growth overwhelms traditional data protection. Expanding the existing environment does not reduce backup and recovery times, but it can increase both the management burden—with multiple data protection methods—and storage consumption—with stale, redundant data copies.

Traditional backups limit data availability by restricting data access. Administrators must find the appropriate data they want to restore from the appropriate time and load the appropriate backup tapes. Users and regulators cannot rapidly, reliably, search and recover business-critical data.

The Solution: Unleashing the Potential of Disk-Based Backup

Imagine centrally managing consolidated disk and tape backups. Imagine eliminating redundant data and administrative tasks for superior cost, manageability, and data recovery. Imagine end users recovering their own data. Now imagine seamlessly integrating this solution into your existing NetBackup or NetApp environment. Stop imagining. The solution exists.

Customers with NetBackup clients 5.0 or newer, NetBackup Media Server 6.0, NetApp NearStore® secondary storage, and SnapVault® software will enjoy enterprise data protection that integrates industry-leading backup management and disk storage. The solution improves backup performance, minimizes media consumption, simplifies recoveries, and enables end-user restores while seamlessly moving backup data across tiers of storage. VERITAS and NetApp integrate NetBackup agents, backup, and media management with NetApp Snapshot™, SnapRestore®, and SnapVault to simplify data protection and increase data availability for all primary storage.

Managing Data Protection

Consolidating Backup and Recovery

VERITAS and NetApp centralize data protection to simplify backup management and reduce costs. VERITAS NetBackup and NetApp SnapVault consolidate all enterprise backups onto NearStore with a high-performance, media-efficient, heterogeneous solution. First, NetBackup streams data directly to NearStore to optimize performance without complex tuning. Second, NetBackup and SnapVault identify and eliminate redundant data blocks to consolidate hundreds of backups using minimal storage. Third, the solution leverages NetBackup's industry-leading application, server, and storage provider integration of NetBackup to protect the entire data center. The solution even centralizes remote office NetApp primary storage backups with the unique, additional benefit of sending only changed data over limited networks.

VERITAS and NetApp consolidate backups by

- Optimizing disk-based backup performance
- Eliminating redundant data blocks
- Integrating with all critical application, server, and primary storage providers
- Centralizing NetApp remote office backups

Managing the Backup Lifecycle

VERITAS and NetApp manage the lifecycle of backup data to minimize cost and optimize business value. Companies keep local snapshot backups, disk-based backups, and tape backups, but manage them separately. VERITAS and NetApp unify the management of these backups to help balance the cost and value of the data. VERITAS NetBackup, NetApp Snapshot and SnapVault seamlessly migrate backups from all types of primary storage to cost-effective NearStore systems for near-term retention, and to tape for long-term archival.

VERITAS and NetApp help you manage data by

- Unifying the management of primary snapshot, disk-based, and tape backups
- Managing backup data across tiers of storage

Optimizing Data Availability

Short-term Recoveries

Most data recoveries occur within 24 hours, including responding to lost files, virus attacks, and database corruption. To quickly recover up-to-date data, VERITAS NetBackup creates, catalogs, and manages the uniquely scalable and efficient NetApp Snapshot copies. Snapshot and SnapRestore technology provide near-instant user and application data restoration. Combined with the NetBackup Oracle® agent, the solution provides low-impact, consistent database snapshot backups with rapid, granular recovery.

VERITAS NetBackup and NetApp Snapshot

- Create, catalog, and manage hundreds of current, reliable, space-optimized local NetApp snapshot copies
- Enable users to rapidly recover their own data
- Provide near-instant, consistent Oracle database backup and recovery with SnapRestore

Near-term Recoveries

Data recoveries pose significant business challenges. Users accustomed to snapshot restores expect rapid, reliable data recovery, but must wait days for an administrator to attempt the unreliable process of finding and restoring the appropriate tape backup. NetBackup and SnapVault optimize near-term recovery for all enterprise data by enabling user-driven recovery of hundreds of centralized, full, disk-based backups. The solution's single-instance storage enables NearStore to retain hundreds of full backups. Administrators can run rapid, reliable disk recoveries from any recent backup.

To further simplify recovery, each backup can be accessed via standard open protocols. Users can search through hundreds of online full backups to recover their own data, without administrator intervention.

VERITAS NetBackup and NetApp SnapVault

- Offer rapid, reliable disk recovery for all enterprise data from hundreds of space-optimized backups
- Enable users on any server or storage platform to rapidly, reliably recover their own data

Long-term Recoveries

Long-term archival data recoveries usually result from high-priority business need. Speed is important, but reliability is absolutely critical. NetBackup and SnapVault optimize long-term recoveries with industry-leading tape management. Using the open standard NDMP protocol, NetBackup manages the lifecycle of the backups from disk to tape. The high-performance, easily managed process includes shared storage option (SSO) for tape devices, tape duplication, and offsite storage. Backups can be securely tracked and reliably recovered at any point in the future.

VERITAS and NetApp

- Reliably track backups across all media to successfully recover data from any archived backup
- Provide interoperable, open protocol management of tape backups

Harness the Power of the VERITAS and NetApp Strategic Partnership

NetApp and VERITAS bring years of collaboration and expertise to the task of offering industry-leading integration of disk and data protection. Their relationship benefits customers with innovative solutions and outstanding cooperative service and support. The two companies have undertaken a full-year joint development to deliver their unique disk-based data protection integration—VERITAS NetBackup 6.0 with NetApp NearStore secondary storage and SnapVault software.

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