

NetApp® Storage and Symantec Enterprise Vault™: Simplified Archiving and Compliance

The challenge

According to a recent report from Enterprise Strategy Group, as much as 70 percent of an organization's data, including presentations, spreadsheets, word processing documents, and other miscellaneous files, reside in, or are accessed via, user email accounts.¹ The challenges faced by every organization are to minimize the cost of ownership of these email systems and to ensure that this critical business content is protected and made available to individual users as well as for activities such as litigation support and regulatory compliance.

Solution benefits

Symantec, the leader in information archiving, and NetApp, the leader in unified enterprise storage, have been working closely together to codevelop integrated solutions for archiving unstructured content, especially email. Using the solution from NetApp and Symantec, businesses are able to address the following challenges in managing data from its creation to ultimate disposal:

- Lower the cost of ownership of the messaging systems by implementing tiered storage.
- Reduce the cost of litigation support by ensuring that all relevant content is retained and, equally important, can be rapidly searched and recalled.
- Roll out and enforce corporate retention policies.

- Enable organizations to create compliant storage volumes (WORM storage) where needed.
 - Create a seamless environment for the end user.
 - Give the business a more advanced application for content discovery.
 - Replace tape and optical disk systems, which are not fast enough and are not online.
-

Simplifying archiving saves money

The tight integration of Enterprise Vault with NetApp primary and secondary storage produces a complete archiving and compliance solution that automates the processes needed to provide tiered storage, meet compliance requirements, facilitate litigation requests, and get back to business. This integrated offering creates a simplified environment that allows organizations to:

- Reduce the cost of ownership of the primary applications, such as email and file servers, as well as the discovery process
- Create consistent retention policies across different primary applications
- Utilize specific storage technologies, such as NetApp disk using NetApp SnapLock®
- Create a resilient archive using NetApp SnapMirror® for disaster recovery replication

¹ Enterprise Strategy Group, September 2005

Symantec Enterprise Vault

Enterprise Vault helps organizations of all sizes manage the data they need to retain by creating a vault on a secondary disk storage medium with all the information from the primary data source. Enterprise Vault indexes the data, removes duplicates, and creates a fully searchable archive that allows users and administrators to use various criteria to find the information they need.

Network Appliance™ storage

NetApp fabric-attached storage (FAS) systems simplify the archival infrastructure by enabling both primary and secondary storage in the same unit. High-performance primary storage stores the Enterprise Vault database and indexes, while low-cost nearline storage provides near-primary storage performance at near-tape storage costs. NetApp FAS servers enable application server consolidation as well as fast backup and restore from disk, minimizing impact to business operations. NetApp NearStore® is an ideal general-purpose secondary storage tier, providing a high-capacity disk target for backup, archiving, primary storage consolidation, migration projects, and long-term archiving of data from primary storage of any kind. NetApp FAS3000 series storage enables Fibre Channel and Serial ATA drives to run simultaneously in one cabinet, creating a single storage solution for both the primary and secondary data.

Mailbox management

Enterprise Vault helps companies automate email archiving by automatically offloading data stored on front-end primary storage to NetApp secondary storage, keeping mailboxes free of clutter and protecting corporate information located in user email accounts. Archival decisions may be based on a number of characteristics, including size, the age of the data, and the length of time since it was last accessed. Reducing the amount of data on the primary systems benefits end users as well as the IT organization. First, reducing the amount of email in primary storage yields dramatic server consolidation, which in turn reduces backup/restore windows and improves overall system performance. The Symantec and NetApp products allow mailbox administrators to:

- Improve performance and system availability
- Easily search archived data, email, and files, thanks to the combination of content indexing and keyword-based search tools provided by Enterprise Vault, and the high-performance, highly reliable NetApp storage platforms for both the index and the archive
- Optimize end-user productivity by eliminating time spent filing and moving mail into PST files, which are no longer necessary
- Automatically detect and import user PST files into the archive and then delete them from network folders or user hard drives
- Eliminate inbox quotas and message size restrictions; the fast NetApp secondary storage performance enables the archival process to work with no impact on end users, and enables search and retrieval events to process quickly, further improving productivity

Symantec and NetApp developed the products to work together to further simplify end-user transparency via:

- Enhanced client access to the vault: On the NetApp disk, users can access their data through Outlook®, a Web browser, or the feature-rich Archive Explorer
- Inherited permissions: Exchange and Windows® file permissions are carried over from the source data to the archive, enabling self-service browsing and making it simple and secure
- Tiered architecture: Because the archive is on a NetApp secondary disk tier, production systems perform at their best levels

Litigation support

The data retention capabilities of the NetApp and Symantec solutions enable organizations to respond quickly and cost-effectively to litigation actions. The results are a speedy electronic discovery (e-Discovery) process and no disruption to business processes:

- The NetApp tiered storage architecture works with Enterprise Vault to archive data by user-defined policies.
- The Enterprise Vault Discovery Accelerator enables the legal department to easily search across multiple users for the specified e-Discovery information.
- The high-performance NetApp secondary storage rapidly retrieves the requested data, increasing the productivity of the legal staff.

In addition, NetApp offers the SnapLock capability, which easily turns a specified volume of storage on a FAS server or NearStore device into an immutable “write-once/read-many” (WORM) archival medium. SnapLock is installed as an easy license key activation through the NetApp Data ONTAP™ operating system, providing the benefits of a permanent, unchangeable storage medium without additional hardware installation or operational costs. Using SnapLock, Enterprise Vault administrators achieve the following objectives:

- WORM capability without degradation in system performance
- The ability to delete (but never modify) files that have passed their retention date
- Transparent reclamation of storage space on the system, consistent with retention regulations
- Prevention of data tampering of any kind, thereby reducing the risk of “spoilage”

Regulatory compliance

For customers under strict regulations to monitor and audit electronic communications, the Enterprise Vault Compliance Accelerator allows a manager to quickly monitor employees’ electronic communication and provides an automatic audit trail. SnapLock maintains the data immutability of the archives.

New benefits of Enterprise Vault 6.0 and NetApp storage

- More supported data types: NetApp and Enterprise Vault 6.0 can archive File System, Microsoft® SharePoint® Portal Server, Lotus Notes® journal, and SMTP email (for non-Exchange or Lotus Notes users).
- Enhanced granularity: Enterprise Vault 6.0 now collects more information about the data it imports. Outlook Categories are carried over to the archive on NetApp, making it easier to quickly browse and search the archive. This capability facilitates the automatic migration of specific content to cost-effective NetApp secondary storage.

Network Appliance

Corporate Headquarters
495 East Java Drive
Sunnyvale, CA 94089
+1 (408) 822 6000
www.netapp.com

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 the world leader in providing solutions to help individuals and enterprises assure the security, availability, and integrity of their information. Headquartered in Cupertino, Calif., Symantec has operations in more than 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

