

CommVault® Software Makes Life Easier for Novell Administrators

Providing Solutions to Ease the Pain of Managing GroupWise, OES, SUSE Linux and NetWare Environments

Highlights

- ▶ Simplified data management
- ▶ Reliable data protection
- ▶ Efficient use of storage media
- ▶ Faster backup and recovery
- ▶ Reduced administrative overhead
- ▶ Lower costs

Solution Components Include:

- ▶ CommVault Software:
 - CommVault Galaxy® Software
 - Data Migrator
- ▶ Novell GroupWise
- ▶ Novell NetWare
- ▶ Novell SUSE Linux Enterprise Server
- ▶ Novell NetWare Directory Services

CommVault® software offers administrators many opportunities to improve the operational efficiency of their Novell solutions. First, the CommVault Singular Information Management™ approach offers customers a powerful tool for managing a diverse enterprise. It provides a single console for managing all aspects of data protection: Data Protection, Archive, Replication and Resource Management. The singular approach also enables centralized data management, including the generation of multiple copies of data residing in one or many local or remote storage repositories, each with its own retention properties. In addition, CommVault software's unique architecture allows enterprises to store this data and access it based on the specific use of each copy. In a Novell environment, this flexibility allows administrators to use CommVault solutions to protect all aspects of a Novell enterprise appropriately.

CommVault® Software Enables Superior Protection of Novell Data

- ▶ For customers migrating from NetWare 6.5 to SUSE-based operations, the ability to back up the NetWare 6.5 environment and restore to the SUSE Linux Enterprise Server 9 (SLES9) under OES with trustee rights preserved significantly simplifies the transition.
- ▶ CommVault Galaxy® Backup and Recovery software provides data protection for NetWare 4.x–6.x and NetWare Directory Services (NDS) volumes, including clustered volumes and different namespaces. The CommVault Galaxy agent for SUSE Linux also supports data

protection for a host of UNIX file system data, such as cdfs, ext2, ext3, reiserfs, GFS 5.2 and XFS.

- ▶ With CommVault software NDS agents, granular restores—including individual NDS objects, such as users and NDS schema—are a reality. This means costly and time-consuming full restores are not necessary when only a single object or user must be restored.
- ▶ This same level of granularity is also available for GroupWise 6.0 and 6.5 on NetWare 6.5 systems with the CommVault Galaxy iDataAgent for GroupWise. Because GroupWise will always unconditionally overwrite data at the restore destination, it is necessary to preconfigure an “out of place” restore area for restores. Using this restore area, users can browse the same as they would their normal mailbox. This gives users the ability to restore their own messages without leaving the GroupWise client.

Information Lifecycle Management (ILM)

CommVault Data Migrator offers policy-driven HSM for NetWare 6.5 servers. This enables customers to set policy-based rules to remove stale data from the primary storage system, freeing up costly storage space. Policies manage the migration of the data to cheaper secondary and tertiary storage while leaving a stub in the file system for user-based recalls. Based

on policies, CommVault software automatically moves data from primary to secondary storage and creates subsequent copies for longer-term archiving. Each copy has its own retention and is treated as a separate entity. As data expires, CommVault software “prunes” old data and reclaims storage space for reuse. This powerful tool allows customers to ensure effective and efficient use of their most powerful and expensive disk storage. Cheaper disk and tape devices can store lightly accessed, older information.

CommVault Data Migrator for NetWare 6.5 provides the following key benefits for customers:

- ▶ Reduces the amount of data on primary storage by moving it from primary to secondary storage
- ▶ Decreases the average cost of data storage by utilizing less expensive storage tiers
- ▶ Speeds backup windows by reducing the amount of data to be backed up
- ▶ Cuts annual media costs by reducing the amount of data on tape
- ▶ Reduces the administrative overhead by allowing users to recall via Data Migrator stub instead of having to initiate a restore from backup data

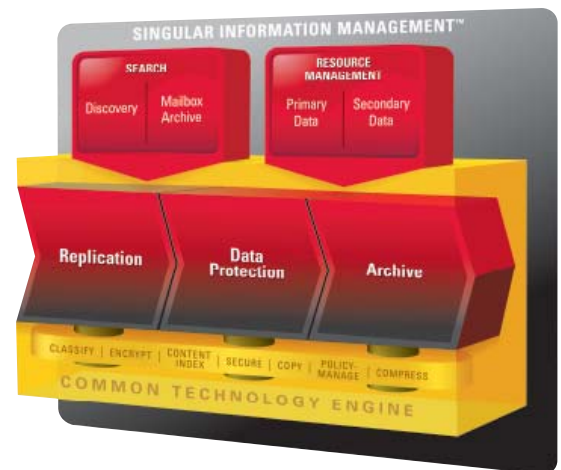
CommVault works closely with Novell to provide integrated and tested solutions to manage Novell enterprise environments. The CommVault charter is to continue bringing industry-leading tools to enable customers to maximize their investments in all aspects of protecting and managing critical data assets. CommVault offerings for Novell are just one example of this commitment to customers.

Unique Benefits of CommVault® Software

The CommVault suite of software includes data protection, archive, replication and resource management. When used in combination, these capabilities provide unique and compelling benefits for managing data—all from a single console.

As additional CommVault capabilities are added, they are managed from the same console to reduce administrative time. They also leverage the same data management infrastructure including servers and storage devices, to reduce costs.

- ▶ One console from which to easily browse and share resources and perform disaster recovery
- ▶ One software solution, schedule of data movement and application index to maintain
- ▶ One admin team to manage



www.commvault.com ▶ 888.746.3849 ▶ E-mail: info@commvault.com

CommVault Worldwide Headquarters ▶ 2 Crescent Place ▶ Oceanport, NJ 07757 ▶ 732-870-4000 ▶ Fax: 732-870-4525

Regional Offices: United States ▶ Europe ▶ Middle East & Africa ▶ Asia-Pacific ▶ Mexico & Latin America ▶ Canada ▶ India ▶ Oceania

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