

## : Galaxy iDataAgent for Exchange 2000/2003

Individuals rely on information delivered by messaging systems 24X7. The loss of even a single message can have catastrophic effects on business operations, employee communications, customer relations, and e-commerce.

With Exchange 2000 and 2003, multiple storage groups, multiple mailbox stores, public mailbox and web folder stores in each storage group, many databases per server and shared

Active Directory define a highly flexible, interdependent environment but make it complex to backup and recover data.

### Benefit and Feature Highlights

- Simple to use – centralized, browser interface
- Maximum data availability – granular restores of e-mail messages, attachments, public and folders (tasks, calendar items, and contacts).
- Improves data availability – all system objects can be recovered
- Seamless VSS integration (Exchange 2003) – single system can manage data across SANs.

CommVault's experience with Exchange is unparalleled. Our partnership with Microsoft and the standardization of the Galaxy solution within Microsoft makes this possible. In fact, since 1999, the Microsoft Exchange and Office product teams and development lab have used Galaxy to protect 8500 production

mailboxes (managed by 1

Windows server). Galaxy is certified as the Exchange 2000 and 2003 backup and recovery solution for the Microsoft System Architecture (MSA).

### Seamless Integration Leverages Microsoft Technology

The CommVault® Galaxy™ iDataAgent™ for Exchange, delivers centralized, unified, and automated backup/recovery. Because Galaxy leverages Microsoft's "Single Instance Store", it establishes a standard for reliable data protection – one that scales to the enterprise, not just to a few mailboxes. For Exchange 2003, Galaxy protects Exchange data on Windows Storage Server and Windows Server 2003. Galaxy leverages Virtual Shadow Services (VSS) and allows a single system to manage Exchange data across various SANs. Galaxy's VSS support is hardware-independent, providing a single interface for all VSS calls (either hardware or software shadows).

With Galaxy's support for Exchange 2000 and 2003, a single online message can be recovered directly into a user's mailbox, with all attributes, like attachments,

Outlook properties, and date/time stamp intact. Finding crucial messages is fast and easy with the Galaxy software's context-based search capability. Identify, sort, and search through messages by sender, recipient, date, and subject line. Or recover online, any individual's entire mailbox or folder/subfolder within a mailbox. There is no need to worry about new mailboxes since they are automatically added to policy-driven granular backup.

### Manage Swelling Exchange Systems

Administrators can view, manage, regulate, and control Exchange data across the enterprise. The Galaxy software offers two modes of online protection for Exchange servers: database or mailbox level. The database and mailbox strategies use parallel full and incremental backups of Storage Groups and databases to meet shrinking windows.

### Unified Enterprise Data and Storage Management

CommVault Galaxy is a "best-of-breed" data and storage management solution engineered for adaptive deployment, superior performance, and painless automation. Storage Policies, a core capability, make it simple to implement even the most intricate data and storage management strategies and enforce them across the enterprise. Its innovative architecture allows the Galaxy storage management intelligence to adapt to any data or storage model affording seamless support of NAS and SAN storage models.

### CommVault QiNetix: Dynamic Data Management

CommVault® QiNetix™ (kī-nēt' īks) is a single, automated platform that manages and moves data based on its attributes and storage environment. Based on CommVault's Common Technology Engine, it integrates data protection, availability, migration, storage resource and SAN management software solutions. Customers can deploy individual products or seamlessly integrate new elements into an existing CommVault solution, at a fraction of the time, effort and money required by separate point products.

## : High Performance

### Feature

Exchange 5.5 individual data objects restorable to Exchange 2000/2003 including tasks, contacts and messages

Automatic management of transaction logs; circular logging is turned off

Protect Storage Groups and Stores individually or as groups

Can filter mailboxes and folders from a backup cycle

Parallel data streams for Storage Groups, Information Stores and Mailbox level strategies

Browse all mailboxes per Exchange Server

Perform full, incremental backup at database or mailbox level

### Benefit

Protects investment and data previously backed up on-the-fly, which saves money and time.

Decreases disk space requirements and eliminates disk management tasks, providing better Exchange system availability.

Provides data management flexibility while maintaining recovery granularity. Restores data to individual Information Store while others remain unaffected.

Protects only data desired, thereby saving backup time, backup media space and CPU.

Reduces system requirements, improves quality of service levels, and helps meet shrinking backup windows.

Eliminates searching for mailboxes in tape sets. Vastly improves and simplifies browsing across Information Stores and Storage Groups.

Reduces backup time and media usage versus competing solutions.

## : Data Availability

### Feature

Auto-discovery of mailboxes ensures accurate and complete data protection scheme

Uses MSDN APIs for all backup and recovery operations

Point-in-time viewing of mailboxes

Automatic restart of backup

Self-healing process

### Benefit

Ensures every mailbox will be backed up. Changes will not be inadvertently left unprotected.

Protects data reliably and consistently. Eliminates obsolescence via Microsoft SDK.

Protects data and keeps it highly available.

Saves time and ensures data protection by completing jobs.

Increases reliability of data protection strategy by persistent retries of failed jobs.

## : Simple to Use

### Feature

Browser interface

Browse and FIND individual mailboxes, folders/subfolders with context-based search across many Storage Groups for individual messages

CommVault interface fully functional with Microsoft Terminal Services

Single unified view

### Benefit

Makes it easy to view all data from one location.

Lets administrators quickly locate correct data to recover. Eliminates recovery of incorrect or improper information.

Manage all data from any location. Data can be restored from a number of handheld devices such as Compaq IPAQ.

Improves productivity; saves time.

## : Seamless Architecture

### Feature

Seamlessly integrates with Virtual Shadow Services

Seamlessly integrated with Windows Storage Server

Integrated with QiNetix DataMigrator

Integrated with QiNetix DataArchiver

### Benefit

Single system manages Exchange 2003 data across many SANs (hardware independent).

Fully supports Exchange 2003 data when stored on Windows/NAS.

Utilizes secondary storage for backup data to save costs.

Offers long-term access to and cross-mailbox full content search of Exchange email for government compliance or business needs.

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