Simpana® Archive for Microsoft® SharePoint® Systems

Optimize Storage Resources, Automate Data Management and Improve Operational Efficiencies

Key Benefits

▶ Saves disk capacity by moving unused data to secondary, less expensive storage, establishing proactive control over skyrocketing storage management costs.

▶ Improves SharePoint® Server performance and reduces size of active primary data stores and backup windows.

▶ Supports records management strategies.

▶ Maximizes knowledge store and increases information sharing.

▶ Eases audit burden with comprehensive, point-and-click reporting.

▶ Improves end-user productivity by providing transparent access to business critical data.

▶ Overall ease-of-use improves flexibility and manageability with minimal time and resource investments on the care and feeding of the system.

▶ Promote records of business to Microsoft® Office SharePoint Server (MOSS) for easy knowledge sharing and collaboration.

▶ Supports Green IT strategies by reducing hardware, power and storage requirements.

Easily add capabilities for protection, archive, replication and snapshot recovery, all managed from the same Unified Console.

The Business Problem

Microsoft® SharePoint® software is an effective tool for the creation and organization of enterprise content, document sharing and for streamlining collaborative business processes. However, according to Enterprise Strategy Group (ESG), SharePoint is becoming a problem for many companies because of its use as a standard for information sharing and collaboration (March 2007). Often, there are multiple versions of the same document, many of which are not regularly accessed. The proliferation of SharePoint data causes storage costs to skyrocket, while users continue to demand access to their knowledge assets.

The CommVault® Simpana® Solution

Simpana® Archive for Microsoft SharePoint systems helps control the data growth and infrastructure costs of collaboration environments while helping to meet legal discovery and corporate governance standards. SharePoint archiving allows you to gain long-term control over corporate knowledge assets while keeping the SharePoint and Windows® Server environment running at optimal efficiency. CommVault® Simpana® Archive software serves end-users, administrators, legal discovery and records management teams, and maintains high-speed performance in the face of increasing data volumes.

Furthermore, using Simpana Content Director, you can leverage Microsoft Office SharePoint Server (MOSS) to retain, store and organize information according to its business value, dramatically increasing storage efficiency and improving access to information while providing better methods for meeting compliance, corporate governance and eDiscovery requirements. Automatically classify and tag items against a filing structure in SharePoint. Using SharePoint saves time and money by eliminating duplication, processing information quickly and above all reducing risk.
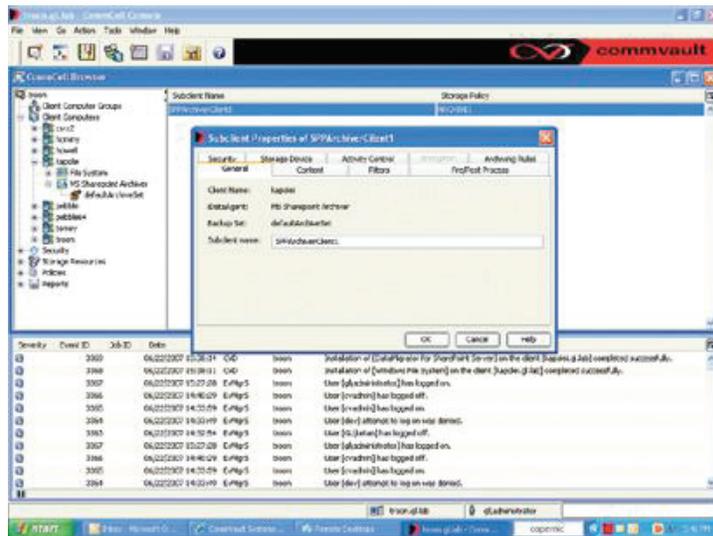
Optimize Storage and Control Growth and Costs

Today, growing regulations and corporate mandates require a change in the way companies manage and store electronic information. Data must be preserved and accessible for extended periods of time to support legal, audit and corporate governance requests. Yet, cost-effectively storing information is a challenge. Keeping costs down is especially problematic when managing multiple versions of documents within SharePoint. Each file version is an independent copy within the SharePoint database. To optimize performance, Archive allows granular management of all versions of SharePoint Libraries.

Archive for SharePoint automates the archiving of less frequently accessed, business-critical data from SharePoint workspaces to more cost-effective near-line stores. This way, users can remain within their file system quota limits. Storage growth is under control, scalability of SharePoint servers is enabled and backup windows are minimized without impacting the end-user.

Key Capabilities

▶ **Control data growth**— Address common capacity management problems, such as database growth. Reduce the time required to make backup copies by archiving old documents out of the primary backup set. Reduce the amount of disk and tape required to store backup copies. Reduce the time required to restore SharePoint databases in Disaster Recovery scenarios.

▶ **Scalable, high-performance Content Indexing option**— Combines all copies of indexed data (protection, migration and archive) into single, searchable archive. Within Lotus Notes, search on any word in e-mail messages and attachments when searching "To" and "From" is not enough. Work with millions of items and maintain fast and efficient content-level search. View and refine result sets before beginning retrieval processes for maximum efficiency.

▶ **Singular Search**—Provides a simplified, intuitive search process that spans SharePoint® documents and objects, along with e-mail and file system data with a single search for maximum time-savings efficiencies and discovery capability.

▶ **Intuitive archive browse**— Navigate, find and select items to retrieve with point-and-click browse of the archive.

▶ **Archive to disk, secondary disk, Content Addressable (CAS) and tape**—Actively-archive data to the media of choice, using single-stage or multistage archive policies. Enable fine-tuned archive control with Storage Policies that define retention periods and automatically move data from media to media; for example, store 90 days on disk for fast retrieval, then automatically move to any combination of secondary disk, tape or CAS for longer-term retention.

▶ **Improved Collaboration and Knowledge Sharing**— Leverage MOSS/SharePoint® Portal Server with automated declaration of business records and subsequent promotion to SharePoint. This consolidates important information into one central location, without end-user involvement.

Seamless Access

CommVault® Simpana® Archive software provides transparent archive of SharePoint data for end-users and administrators. For end-users, this means access to archived content as quickly and easily as before. The archiving process is transparent to users. Users keep connected to their vital corporate knowledge assets within SharePoint with size or aged-based migration policies and keep it available where it can be searched and accessed immediately. Administrators use the central Unified Console to set global thresholds and policies governing when and how data is archived. Administrators can also finetune thresholds and policies to an individual group of users to align with business priorities. For example, archive entire sites when a project ends allowing workspace reuse. Management is simplified with the ability to quickly create or change policies using the intuitive interface.

Manage Risk

Electronic Storage Information (ESI) growth can cause business risks that require management. CommVault® Simpana® Archive software delivers the archive, find, search and retrieval capabilities necessary to meet the increasing demand on organizations for retention and retrieval of all ESI, including e-mail, file system and collaboration data. Storage Policies easily adapt to change and automate policy enforcement. Furthermore, CommVault software's modular approach enables organizations to choose the level of preservation and retention that they need and to change it easily over time, without being locked into a single methodology.

CommVault software improves the total cost of ownership and scalability of SharePoint systems. Older versions of SharePoint data are archived while still preserving the search and retrieval capabilities for the user. CommVault software's archiving and compliance capabilities enable SharePoint data to be used within regulatory guidelines. Data can be search and recalled based on content and support corporate governance practices. CommVault software uniquely provides capabilities for search and retrieval across all data types and data copies with our Simpana® software solution which mitigates risk, exposure and policy violations for your organization.
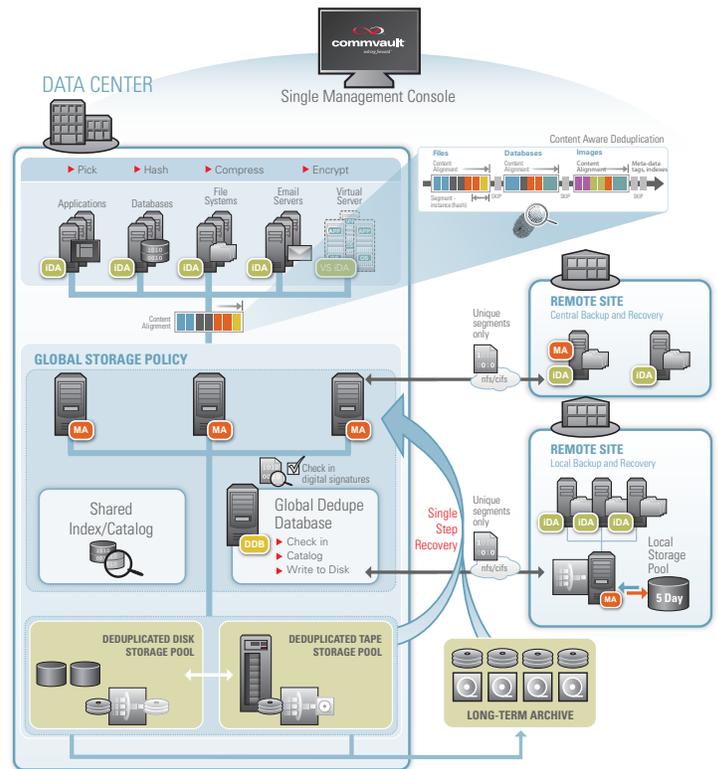
CommVault® Deduplication With Simpana® Software

CommVault extends the power of Simpana® with hardware-independent, content-aware deduplication. CommVault® deduplication software eliminates all duplicate copies of backup and archive data managed within the guidelines of the Global Storage Policy, regardless of source, data type or platform. A combination of content-aware and segment-based deduplication, along with the scalable Deduplication Database delivers better results compared to other block-based approaches. Using the Deduplication database, the digital signature is compared of each segment against all the other segments of data in your global storage policy, maximizing deduplication across 100% of your backup and archive data. Combining client-based generation of hash signatures, with integrated data compression and data encryption capabilities minimizes network bandwidth requirements and maximizes end-to-end network speed and security that goes all the way from clients all the way to disk and tape-based storage tiers.

With Simpana software, you can expand the use of data deduplication across all tiers of storage, including tape, without the need to "rehydrate" the data back into full form. Using our automated, policy-based approach, you can implement a hands-free approach to migrate and manage aging data quickly and efficiently. The migration is invisible to end-users, and ensures that the deduplicated data is brought back seamlessly directly from any storage tier. CommVault® deduplication software also combines the Shared Index/Catalog with the unique SILO storage to track and retrieve just the data required, without the need for lengthy restores and searching through entire volumes of data.

Deduplication With Simpana is Especially Helpful for:

▶ End-to-end elimination of duplicate data across multiple backup cycles, and across backup and archive data stores → Greater deduplication ratios.

▶ Direct data restores from any storage tier and the ability to create and retain dramatically more recovery points → Faster recovery of data covering longer retention periods.

▶ Automated policy-based migration/management of long-term data on tape-based backup media → Better manageability with optimized storage/tiering of data.

CommVault® Simpana® integrates deduplication with our broader platform capabilities around Backup and Recovery, Archiving, Replication, SRM and Search to deliver a holistic embedded deduplication approach that maximizes efficiency and minimizes barriers to implementation throughout the enterprise.

Maximizing Deduplication Without Sacrificing Performance

1. Content-aware segment-based deduplication across all data within a global Storage Policy that spans all associated clients, applications, agents, jobs, etc.

2. Integration with compression and encryption increases speed and security when writing unique data to disk.

3. Retains dedupe to tape, and eliminates traditional VTL/appliance re-assembly "tax," for direct and selective retrieval of data from any tier (including archived data on tape).

Key Features and Benefits

Features	Benefits
Context Indexing option available	Drive higher efficiencies with universal search and discovery by any word in documents, as well as backup and production data copies. Search both online and offline data.
Comprehensive archive search	Search meta-data index to find and retrieve messages from the archive with user-friendly web-based interface. Add Content Indexing for comprehensive indexing of complete content for searches based on any word.
User group roles to define span of search	Administrators can define multiple user groups with specific search capabilities to allow for different levels of authority and desired levels of access.
Preview the results of a search before retrieve	Gives administrators the option to narrow a search set and reduce the number of items that will be retrieved before the retrieval process begins to save time on critical legal discovery search demands and retrieval jobs, which can span millions of objects.
Search filters	Enable folder-name exclusion filters and special start/stop data range filters to selectively archive time ranges when running archiving jobs against previously un-archived data.
Browse view of data for administrators	Administrators can quickly & easily retrieve data from a browse view for efficient management.
Create ArchiveSets	Improve flexibility with the ability to use more than one set of policy rules. The SharePoint® agent supports user-defined archive sets to provide additional flexibility in grouping client data, workload balancing and scheduling.
Data Verification options	Use periodic Data Verification checks to ensure that data is archived coherently and is retrievable.
Seamless integration with tamper-proof storage media	Multiple safeguards to ensure non-alteration of data with WORM media for litigation support.
Mixed storage device active-archive	Unique capability to manage archive to a mix of tape, disk, content addressable storage (CAS), and optical. Multi-tier active-archive unique capability to enable an archived message to move across a mix of storage devices, automated by policy to comply with short-, mid- and long-term retention periods. Preserves single-step retrieval for end-users.
Active monitoring alerts	Optimize archiving schedules.

Key Features and Benefits cont'd

Features	Benefits
Overwrite or skip existing items on a retrieve	Speeds restore of item collections, when only partial folders need to be retrieved.
Point-and-click, comprehensive reporting	Easily report on all archive and retrieve jobs for compliance audits.
Maintain chain of custody	Uses message timestamps, audit trails and message ID's to ensure a defensible archival process.
Erase Backup/Archive data	Ensures erased data cannot be recovered once it is erased.
Advanced Restore/Recover/Retrieve capacity available	Option will skip errors and continue, and will ignore media errors and continue the Restore/Recover/Retrieve without going into pending mode.
Data Classification capability available	Help set up your ArchiveSet with automated policies.

Additional Solutions for SharePoint Systems*

CommVault offers data management software built on the same software platform so that all capabilities work together. This makes it easy to add capabilities when and how you need them.

▶ CommVault® Backup & Recovery

– Protect Exchange data and ensure granular, object-level restore.

– Enable disaster recovery of Exchange databases and systems.

– Search and retrieve Exchange and other backup copies along with archive copies, to meet expanding eDiscovery requirements that specify backup discovery.

▶ Continuous Data Replicator (CDR)

– Reduce the size of the data that needs to be replicated with CDR by adding Archive Management at the remote sites.

– Stubs are not "broken" by replication, but maintain capability to retrieve the data remotely.

▶ Storage Resource Management

– Monitor and manage the amount of primary disk space being consumed by Exchange to identify where Archive Management can help the most.

– Monitor and manage the amount of disk space being consumed by archives, backup copies and replication copies.

– Track and prove Archive Management ROI.

▶ Vault Tracker® Software

– Automate the rotation and tracking of removable media such as tapes.

– More easily manage archive-to-tape scenarios.

– Meet long-term retention with off-site requirements directly from the archive.

* CommVault® Simpana® Archive solutions enable enterprise-wide storage management and eDiscovery with solutions for e-mail, collaboration, file system and Network Attached Storage (NAS) data. With built-in tiered storage and multi-platform support including: Microsoft Exchange, Lotus Notes, and Microsoft SharePoint data, comprehensive archive management is simplified. For more information, refer to the CommVault website at http://www.commvault.com/products-archive.html

System Requirements

Microsoft Exchange	Systems Microsoft® Windows® SharePoint® Services (WSS) 2.0 and 3.0, SharePoint Portal (SPS) 2003 and Microsoft Office SharePoint Server 2007 (MOSS)
Platforms	Windows Server 2003 Standard and Enterprise Editions
Processor	Intel® Pentium® or compatible minimum required
Memory	32 MB RAM minimum required beyond the requirements of the operating system and running applications

Note: System Requirements are subject to change. For up-to-date System Requirements, please refer to product documentation on the CommVault website at http://www.commvault.com

SIMPANA®
software

CommVault® Simpana® Backup & Recovery, Archive, Replication, Resource Management and Search software is designed to work together seamlessly from the ground up, sharing a single code and common function set. This exclusive single-platform architecture enables unparalleled software efficiency, performance and reliability for unprecedented control over data growth, costs and risk.

commvault®
solving forward®

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