

BACKUP & RECOVERY

ARCHIVE

REPLICATION

RESOURCE MANAGEMENT

SEARCH

Key Benefits

- ▶ **Leverage Singular Information Management architecture**—Monitor and manage global view of production storage across file systems, applications and databases from single console
- ▶ **Improves data availability**—Trigger alerts, invoke processes to identify trouble spots and initiate corrective actions
- ▶ **Improve informed decision-making**—By gaining insight to production storage
- ▶ **Increases IT staff productivity**—Automated and centralized management and at-a-glance reporting and proactive monitoring eliminates the need for manual processes
- ▶ **Track storage costs**—Monitor storage consumption and cost by project, owner and application
- ▶ **Reclaim storage assets**—Reclaim over & under utilized storage resources
- ▶ **Forecast growth trends**—Project data growth trends to better budget for storage purchases or eliminate unnecessary spending

CommVault® Simpana® Storage Resource Management 8.0

Improve Efficiencies and Decision Making with a 360 Degree View of Data

The Business Problem

In today's tough economic conditions, IT budgets are decreasing and headcounts are freezing while data keeps skyrocketing. IT departments are required to manage more data with fewer resources. Without a clear understanding of what storage resources are being used by each individual, department or application, IT cannot optimize storage management and usage, reduce excess storage purchasing, or deliver improved business performance. The key is to build a strategy around a solid foundation that provides integrated data reporting and predictive capabilities to improve efficiencies, limit excessive storage expenditures and reduce risk.

The CommVault® Simpana® Solution

CommVault® Simpana® Storage Resource Management software analyzes, discovers, tracks, trends, and reports on production storage usage. Supporting today's enterprise, Storage Manager software provides insight into data across file systems, applications and databases, all from a single console so that IT can easily track all data management operations and storage resources. Storage Manager software enables IT to implement consistent usage policies across platforms, applications, geographies, and departments by monitoring data stored on any disk with any connectivity. It also monitors disk usage proactively and generates an alert for system administrator if a threshold is exceeded. The software's threshold monitoring alerts IT to abuses to reduce risk; whether it's excessive usage or prohibited file types. Storage Manager's analytical reports help IT reclaim wasted storage, manage capacity and raise storage utilization to

reduce storage spending.

Reduce Storage Management Costs

Storage Manager offers file system, database application based intelligence that lets IT tune storage resources for optimum efficiency. Built-in predictive reports provide the foundation for IT to effectively plan their storage allocation and confidently archive inactive data sets to cheaper storage. In addition, IT can postpone purchasing until storage capacity is actually needed, instead of the usual guesswork estimations that result in overspending. Storage Manager offers a logical costing model that frees IT from the tedious, manual allocation and charging methods. It matches the cost of primary to storage consumers in a simple, straightforward report. Even if chargeback is not an IT process, costing is an important budgeting tool and a vital component in the total cost of ownership and return on investment.

Comprehensive Reporting

Storage Manager has preconfigured reports for almost every facet of the storage environment: volumes, file types distribution, extensions, file system attributes, owners, and quotas. Storage Manager is non-intrusive to your environment, offering discovery of storage resources at various levels; from light and in-depth data collection processes to the Data Classification Enabler which can virtually eliminate the data collection phase.

Analyze problems and make informed decisions

Storage Resource Management offers additional

Key Benefits continued

- ▶ **Identify stale data and prohibited files**—identify volumes containing data which is ideal for archive or deletion
- ▶ **Provide strategic planning**—implement data lifecycle strategies
- ▶ **Simplified deployment**—SRM provides the capability of pushing agents from SRM server to SRM clients (Windows or Unix servers). This is huge benefit for customers who have hundreds or thousands of clients to monitor across the global enterprise.

insight into the storage, application and databases performance status. Advisories allow IT to actively tune application storage resources to minimize storage related downtime and maximize application responsiveness and utilization. Storage Manager reports highlights potential problems, so that IT administrators can make informed decisions about best practices and corrective actions so that problems can be avoided in the future.

Unlocking ROI through Singular Information Management.

The true advantage of CommVault® Simpana® software is its Singular Information Management® architecture, which provides common services for each of the data management applications in the suite. It is through the Singular Information Management approach that CommVault software is able to offer unparalleled insight into your enterprise. Alternative solutions throw point products at the problem, requiring additional administration, training and expenses. As a result, this becomes very expensive to manage and own.

The CommVault® Simpana® 8.0 approach to Storage Resource Management presents you with a full 360 degree view of all data management across your global enterprise production storage. This knowledge can be used to optimize operations, proactively increase system uptime, establish and meet service levels and compliance standards, and improve resource utilization while reducing management costs.

Key Features and Benefits

| Features | Benefits |
|--|--|
| Reports on current storage usage for files systems, applications and databases | Understand how storage consumption is mapped to file systems, applications and databases within the infrastructure. Gain insight regardless of disk type and its connectivity, such as DAS, NAS and SAN. |
| Trend analysis and prediction for future storage needs | Utilize comprehensive view into storage environment for better decision-making. Allows you to justify storage spending with supportive trend analysis data, assists in annual budget forecasting and eliminates unnecessary spending. |
| Light data collection | Reduce CPU and server I/O load for storage elements by avoiding detailed statistics gathering, perfect for discovery scenarios where analytical data is not needed. |
| Heavy data collection | Ability to perform more robust collections for greater analysis. |
| Application-integrated view of storage capacity | Understand how storage consumption is mapped to application architecture, like database tables, message stores or NAS shares. |
| Threshold based alerting | Manage data capacity through policies to reduce manual intervention. Proactive notifications of events/failures that may impact your production environment reduces risk. |
| Archive ROI reports | Find out how much you will save if you archive stale data. |
| Prohibited files report | Identify the locations and owners of junk, multimedia and non-business related files. |
| Logical billable entities | Create and manage primary storage costing based on business units (instead of physical resources). |
| Logical to physical resource mapping | Presents all logical storage entities associated with disk volumes and vice versa. |
| Customized storage cost categories | Ensures tiered storage architecture and network storage architectures can be accurately costed back to the proper place. |
| Java or web-based user interface | Provides anytime, anywhere administrative capabilities. |
| Operational process monitoring | Improves productivity and data access. View primary storage resources via multiple views. |
| Role based security and Single Sign On (SSO) using Active Directory | Define roles and assign permissions to ensure only authorized access to reports and data. SSO simplifies administration and security. |
| Job restart-ability | Aborted jobs can restart from where they left off, saving time and efforts without having to start a job from the beginning. |
| Sub-clients | Aborted jobs can restart from where they left off, saving time and efforts without having to start a job from the beginning. |
| Operation Window | Allows you to define operational rules for data protection jobs, such as enabling/disabling specific operations in a pre-determined time. This helps prioritize data protection jobs without any potential impact on SRM data collection jobs. |
| Report grouping and scheduling | Simplifies scheduling of multiple reports. |
| Chargeback Reporting | Track down the costs associated with data storage for each client (department) by owner or application. Group many clients belonging to a specific group or department to simplify reporting for that group or department. |
| Localization | Global organizations located across geographical regions can generate reports in local languages. |

Additional Solutions to Use with CommVault® Simpana® Storage Resource Management

CommVault offers a *singular* suite of 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. To add on to Storage Resource Management software, consider:

▶ CommVault® Backup & Recovery

Identify file systems with many recently modified files, which should be protected frequently with CommVault Galaxy® Backup.
Analyze file system usage patterns and assess the impact of compression, encryption, etc., on available capacity.
Obtain the progress and status of Oracle RMAN backup jobs that are currently running or completed.
Identify SQL databases that should be backed up based on activity.

▶ CommVault® Archive for File Systems, NAS, Messaging and Collaboration data

Identify the least recently used files, e-mail systems and SharePoint documents which are candidates for data migration with Archive solutions.
Save storage capacity by moving unused data to secondary, less expensive storage devices.
Improve system performance and backup/recovery windows.
Enable cost-effective, long-term retention of information for discovery and compliance purposes.

▶ CommVault® Search

Allows search, sort, select and retrieve of corporate files and information from online, archive, and backup data copies.
Enable higher levels of business productivity and competitiveness by offering users direct access to data.

System Requirements

| | |
|--------------------------------------|---|
| Network Attached Storage | NetApp (ONTAP) and EMC Celerra File Server |
| Supported Applications and Databases | Microsoft Exchange Server, Microsoft SQL Server, SharePoint PortalServer, Oracle |
| Supported Platforms | AIX, HP-UX, Solaris, Microsoft Windows, Red Hat Linux, SuSE Linux, Novell NetWare |

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.



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