

Quick Recovery 6.1 for File System and Database Applications

Increased Availability for Datacenters

Key Benefits

- ▶ **Simple to manage**—has single, unified browser interface and “Intelligent” browse that allows viewing and backup of entire QR volumes
- ▶ **Maximizes data availability**—performs quick recovery of file system and applications data
- ▶ **Improves productivity**—automates manual snap management processes
- ▶ **Lowers risk of losing data and keeps business operational**—tracks and captures data changes in near real-time
- ▶ **Integrates with a wide variety of existing storage-based snapshot technologies**—automates creation and management of multiple point-in-time snapshot copies enabling rapid remount when data corruption occurs

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

The Business Challenge

In today’s highly competitive business environment, availability of file system and application data is crucial to success. To assure data availability, organizations invest in redundant hardware or commit tremendous administrative resources to solve the problem. But, is data integrity assured? Not really. Data corruption can occur, due to human, program or hardware error. No amount of RAID, mirroring or clustering can prevent this. What is needed is a cost-effective strategy that assures quick application recovery and maximum availability.

The CommVault® Solution

CommVault® Quick Recovery (QR) is a snapshot management solution designed to increase file system and application availability. It automates manual snap management processes and delivers ultra-fast data recovery. QR lets you fine-tune your uptime strategy by leveraging advanced snapshot and data movement technologies to assure data integrity when compromised by human, software or hardware error.

Simplify Data Management and Increase Availability

With the Quick Recovery solution, you recover file system and applications data ultra-fast (usually in a few minutes). You can create and manage multiple point-in-time copies of production file system and database volumes for testing, recovery or business continuance reasons.

Quick Recovery is a trusted addition to your application availability strategy. By applying block-level incremental changes QR continually maintains an up-to-date recovery volume. This assures a point-in-time copy of your data is available in case of loss or corruption at the primary server.

Automate Snapshot Management

Quick Recovery software automatically discovers, manages and tracks file system or application-specific snapshots based on your needs. The snapshot alternatives range from Microsoft Volume Shadow Copy Services (VSS) to the most popular hardware embedded snaps and CommVault software snapshot, called Quick Snap (QSnap).

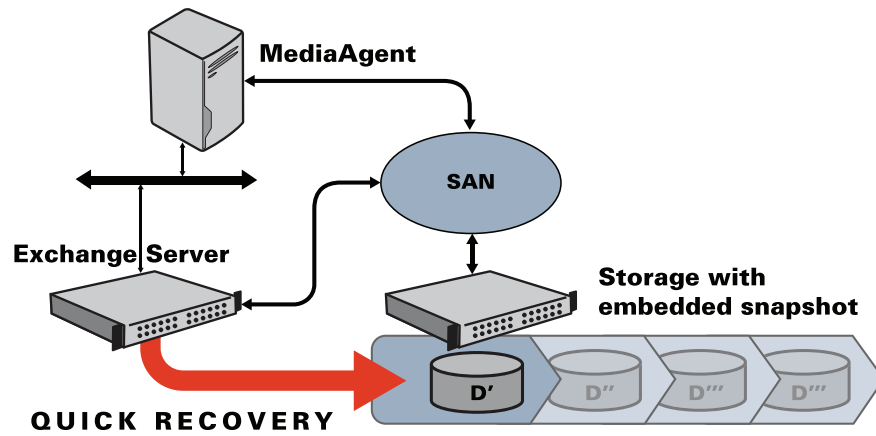
These automated capabilities virtually eliminate manual tasks such as determining where file system or application data resides, how data should be put into a consistent state, when and where to write snapshots or when to age them out and recycle the storage. With these management functions, you do not need to manually write scripts or track your snapshot activity on clipboards and spreadsheets.

This automation saves time, enhances productivity and yields greater operation accuracy.

Flexible Support

CommVault Quick Recovery supports your specific file system or application protection needs for.

- ▶ Microsoft Windows file systems
- ▶ Linux and UNIX file systems
- ▶ Microsoft Exchange systems
- ▶ Microsoft SQL Server systems
- ▶ Oracle systems



Automate creation of multiple point-in-time snapshot copies, for rapid remount when data corruption occurs.

Unify Management and Administration

The QR solution has a single, unified browser interface that easily creates, tracks, administrates and manages point-in-time snapshots of files system and application data. To assure data integrity and ease of use, it leverages built-in intelligence to automatically discover and correlate physical storage devices with data. Incremental data changes are applied to standby recovery volumes so the most recent data is always available and ready for production use without the need for time-consuming restore or copy-back operations.

Seamless Integration with CommVault Galaxy

Quick Recovery tightly integrates with CommVault Galaxy Backup software. An intelligent browse function allows you to view point-in-time QR Volumes and backup data as a single cohesive whole.

Through flexible options, you can simply recover file system and application data from the backup copy or from the QR Volume copy, without the need to know where it is stored.

Key Features and Benefits

Features

Benefits

Leverages industry standard snapshot technology

Eliminates backup window issues and backup load on production hosts. Use Microsoft VSS, hardware snaps or CommVault QSnap software.

Serverless data movement for QR Volumes

Removes movement I/O from production system.

Block-level incremental updates

Moves only changed blocks to significantly shorten update period.

Complete volume/file recovery in minutes

Dramatically reduces downtime in case of data loss.

Fully automated application handling

Eliminates slow, error-prone, manual application procedures.

Single, unified point-in-time view

Combines snapshots and QR Volumes into continuous view of application data.

Mount QR Volumes to secondary hosts

Use QR Volumes for testing, mining or other data management functions.

Single, unified browser interface

Browse application-smart QR Volumes and recover Windows file system data automatically with one click of a mouse button.

Snapshot Management

Discovers, manages and tracks snaps. Reduces time spent on manual tasks; improves overall operational efficiency.

Automated discovery of associated volumes

Maps logical storage to application, removing all manual administration.

Integrated with CommVault Galaxy Backup software

Shares storage resources dynamically and seamlessly. Dramatically reduces acquisition, deployment and administration of complete data management solution.

Logical, as opposed to physical, view of the enterprise

Provides improved management across different physical entities, such as servers, libraries and applications, as well as easy grouping of like entities.

Total media management capabilities

Enterprise control of libraries, drives and media that's comprehensive, automated and transparent.

Additional Solutions for File System and Database Applications

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. For file system and database applications, consider adding:

► **Continuous Data Replicator (CDR)**

- Remote office data centralization and protection
- Disaster recovery
- Mount and self-restore of replicated data by users

► **Recovery Director (RD)**

- Extend the value of snapshot protection to backup
- Perform backup when and how you need, without slowing application performance by using a ProxyHost
- Create CommVault Galaxy backup copies in an easy workflow from Quick Recovery snapshot volumes
- Preserve a one-step restore process

► **CommVault Galaxy Backup and Recovery**

- Enables QR Volumes to be browsed alongside backup facilitating the management of data protection and availability through a central policy

System Requirements

Applications Supported	Microsoft Exchange Server, Microsoft SQL Server, Oracle database systems
Platforms	AIX, HP-UX, Solaris, Microsoft Windows, Microsoft Cluster Services and Red Hat Linux
Snapshots Supported	CommVault QSnap software, Microsoft Volume Shadow Copy Service (VSS), EMC SnapView, SnapVault (OSSV and ONTAP), Hitachi HDS QuickShadow, ShadowImage, and TrueCopy. A Generic Enabler is also provided to support custom snapshot capabilities.

Note: System Requirements are subject to change. For up-to-date System Requirements including 32- and 64-bit systems support, please refer to product documentation on the CommVault website at <http://www.commvault.com>

Find out how you can take the *Singular* approach to data management, and transform managed data into business value. Contact CommVault at a location near you.

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