

SnapProtect™ Technology: Modernize Data Management and Leverage Storage Assets to deliver Simplicity, Scale and Savings

Highlights:

Simpana® software enables a multi-purpose unified approach to managing a variety of array-based snapshots. Using SnapProtect™ technology you can:

1. Reduce backup windows with off host snapshot driven operations and improve recovery time with direct recovery from snapshots or backup/archive storage tiers.
2. Reduce risk and eliminate manual scripting by using an automated policy-based approach, a singular management interface, and unified reporting/monitoring across multiple application and storage systems.
3. Successfully implement and validate a tiered storage strategy through automated movement of data from multiple tier 1 arrays to data deduplicated protection copies and archive copies with policy-driven expiration and retention control.
4. Integrate Snapshot and Clone techniques with the industry's Top 7 Storage Vendors covering multiple arrays for applications like Virtual Server, SAP, Oracle, DB2, Microsoft SQL, Microsoft Exchange, and Windows, UNIX, and Linux file systems.
5. Lower operational costs by leveraging a single automated snapshot to provide granular backups of Virtual Server guests, Oracle Databases, Microsoft SharePoint and Exchange databases and granular archives for Microsoft Exchange.

Storage Integrated Operations with SnapProtect™ Technology

CommVault® Simpana® SnapProtect™ provides the first step to modernizing data protection and archiving operations in the datacenter. The Simpana singular platform addresses the core challenges associated with leveraging enterprise-class storage arrays with data management. Legacy snapshot solutions fail to address the Complexity, Scalability and Cost associated with antiquated script technologies, consoles, and point solutions necessary for this legacy tiered strategy. Providing management, control, and retention across multiple vendors, application and operating systems bridges the gap between legacy point solutions and today's truly integrated platform approach for enabling the power of snapshot technology with data management.

Centralize Management

- Eliminate point solutions and scripts with a single platform with policy-based application-consistent snapshot creation, control (mount, mine, dismount, revert, etc), and retention for files, databases, & VMware data stores.
- Initiate backup and archive operations with consolidated reporting, auditing and security controls from a hardware-based snapshot.
- Consolidate to a single solution providing array assisted recoveries, database/volume level restores, and granular object recovery from a snapshot operation.
- Implement a tiered storage strategy across multiple vendor storage arrays seamlessly.

Off-Host Processing

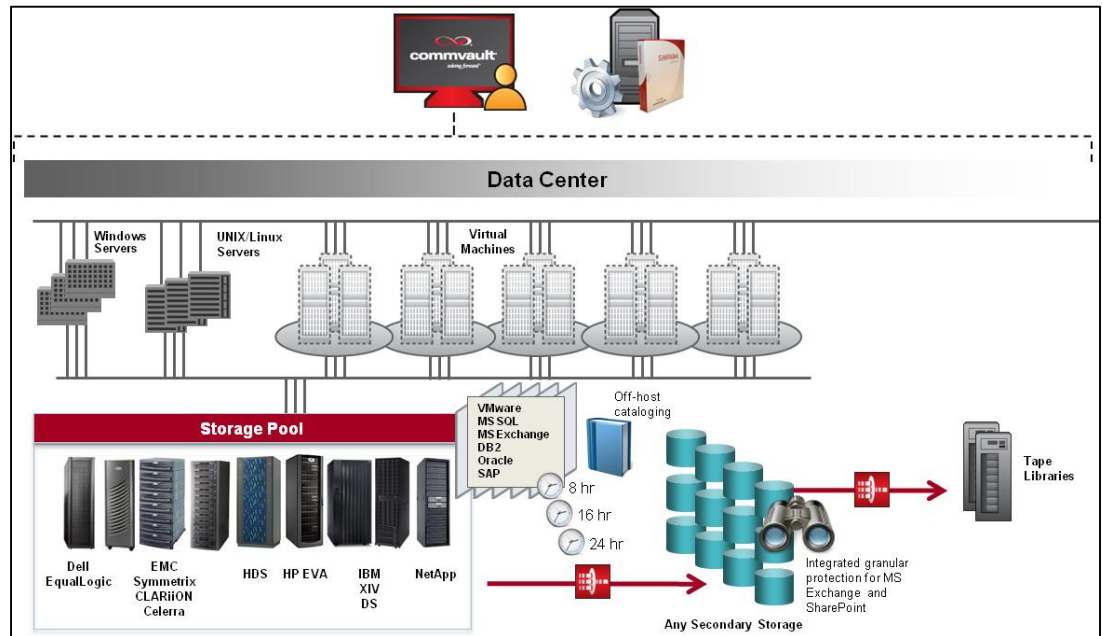
- Minimize production system impact with built in proxy capabilities for indexing, backup generation (including deduplication and encryption), granular access and recovery.
- Provide multiple use cases for a single application consistent snapshot driving more value back to IT.
- Eliminate caveats and complexities of hardware based VSS providers with transportable snapshot copies in Windows operating environments.

Granular Recovery

- Hardware-agnostic data protection retention – align different storage tiers to business requirements. Provide application-consistent copies regardless of the tier of storage or backup type (full, incremental, etc).
- Direct recovery from any tier to any target system, including data, from an online snapshot. One snapshot enables file, database, mailbox, SharePoint Document, and Oracle table level restores.
- Provide searchable recoveries across multiple snapshots / backups at a granular object level.

Improve DR Readiness

- Execute snapshot and clone operations as frequently as required to deliver on increasingly tight SLA requirements
- Integrate the intelligence of built-in application APIs with the power and speed of storage hardware with the intelligent Simpana Platform.
- Provide data integrity for snapshot data sets to validate DR copies are consistent and true.



Applications Supported by SnapProtect Technology	Hardware Arrays Supported by SnapProtect Technology
DB2	EMC CX, DMX, & Celerra Arrays
Microsoft Exchange Server	Dell EqualLogic & LSI based MD-Storage
Microsoft Hyper-V	HDS USP, AMS, & WMS Arrays
Microsoft SharePoint Server	HP EVA & XP Arrays
Microsoft SQL Server	IBM DS Series, N-Series, & XIV Arrays
Oracle	LSI Based Arrays
SAP	NetApp FAS, including NFS
VMware	Oracle/SUN LSI Arrays
Microsoft Windows File Systems	CommVault Replication Enabler
Linux & UNIX File Systems	

SIMPANA®

For more information about Simpana® software modules and solutions, and for up-to-date system requirements, please visit www.commvault.com



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