

**BACKUP & RECOVERY****ARCHIVE****REPLICATION****RESOURCE MANAGEMENT****SEARCH**

## CommVault® Simpana® Software for Cloud Storage

*Extending data and information management to the Cloud*

### Key Benefits

#### ▶ Lower Operational Costs

Reduce administrative and storage costs for infrequently-accessed data by tiering data to more efficient, lower-cost cloud-based storage.

#### ▶ Free Up Capacity

Automatically tier older/infrequently-accessed data to the cloud, freeing up existing capacity to accommodate ongoing data growth.

#### ▶ Simplify Compliance & eDiscovery Management

Integrated content indexing delivers fast searches from a local index across on-premises and cloud storage to retrieve data that meets the search criteria.

#### ▶ Maximize the ROI of your Cloud-based Storage

Integrated data deduplication ensures that only unique backup and archive data is sent over the network and stored "in the cloud," minimizing cloud storage costs.

#### ▶ Reduce Complexity

Native REST/HTTP connector seamlessly integrates data management of both on-premises and cloud storage from a single console to eliminate the need for disparate cloud gateway appliances.

#### ▶ Reduce Security Risk

Integrated encryption ensures data is secure before traversing the network and at rest in the cloud.

#### ▶ Maximize Choice

Simpana software integration with an expanding list of industry-leading cloud service providers delivers more choice for hosting your cloud-based data now and in the future.

### Executive Summary

CommVault® Simpana® software is a unified platform built to address a wide variety of data and information management needs. Simpana software delivers data management across both physical and cloud-based storage, all managed from a single console. Combined with virtually unlimited cloud storage capacity, users now have a powerful solution to lower operating costs, protect remote data and provide disaster recovery for critical data, while improving long-term compliance management.

### Closing the Gap between Data Growth and Data Management

Today's IT organizations are challenged to better protect, manage and recover their business-critical data. Struggling to keep pace with rapid data growth of 30-50 percent per year means that storage teams are looking at having to double capacity requirements every 18 months. Remote offices increasingly contain valuable data that often goes unprotected due to the proliferation of point solutions and fewer staff to manage it all. Increased government regulation around data retention policies adds to the burden, often requiring that critical data be kept for years or even decades. Finally, many IT shops worldwide are being forced to justify not only incremental

spending, but also justify their existing expenses and/or headcount in the face of potential budget cuts.

### The Cloud: Farline™ Storage as a Lifeline

Farline™ (cloud-based) storage represents an increasingly viable option to manage this overwhelming data growth. Because of the multi-tenant nature of cloud storage architectures, infrastructure costs are shared across many more users. This scalable model typically allows for lower priced storage than an IT organization can accomplish with its on-premises storage solutions which are fully burdened with provisioning, power and cooling, technical refreshes, and more.

Farline storage also reduces the need to pre-purchase large amounts of spare capacity in anticipation of future storage growth, enabling customers to pay for what they use in the cloud. By retaining data in the cloud, tape infrastructure can also be augmented or replaced with a more dynamic and flexible approach—delivering offsite disaster recovery and lower compliance management costs compared to removable media management. Finally, remote offices can backup to cloud storage, avoiding complicated VPN or dedicated high speed connections to the corporate data center.

## Simpana Software Cloud Storage Use Cases

- ▶ Archive to the cloud to increase space in the datacenter
- ▶ Tier backup and archive copies to the cloud for long-term retention
- ▶ Content index onsite and cloud data to simplify compliance and eDiscovery management
- ▶ Remote office backup to the cloud to reduce complexity

## The CommVault Approach to Managing Data “in the Cloud”

### Singular Information Management® Approach

The Simpana software platform is built on a single codebase and provides a single data management foundation with modules for Backup and Recovery, Archive, Replication, SRM, and Search/eDiscovery. With native REST/HTTP integration now built in, CommVault Simpana software extends automated, policy-based data movement across on-premises and cloud storage environments—all managed end-to-end from a central, unified console.

This unified approach to data management allows users to fully leverage the economics of cloud-based storage. By delivering one of the first seamless solutions for data-aware movement into cloud storage, Simpana software manages alerting, reporting, tracking and data verification just as if cloud-based storage was located in your own data center. This seamless solution eliminates the need for gateway appliances or scripting—reducing cost and complexity of cloud storage integration.

### Secure Farline™ Data Storage

Choose from a variety of FIPS certified encryption algorithms including Blowfish, AES, and 3-DES to configure the optimal approach to meet your cloud storage security requirements. Data can be encrypted within your datacenter before crossing the network and remain secure “at-rest” in the cloud, protecting it from exposure to anyone outside of your organization. Because the encryption keys are generated and kept in-house, you maintain full control of access to your data.

### Minimized Network and Cloud-Based Costs

As simple as checking a box, CommVault Simpana software delivers integrated data deduplication across backup and archive data sent to the cloud. Based on typical use cases, Simpana software can help customers further lower cloud storage related costs by up to 75 percent with embedded compression and deduplication which reduces the footprint before it is sent over the network and stored in the cloud. When used with encryption, CommVault Simpana software delivers deduplicated, secure data to your cloud storage provider of choice.

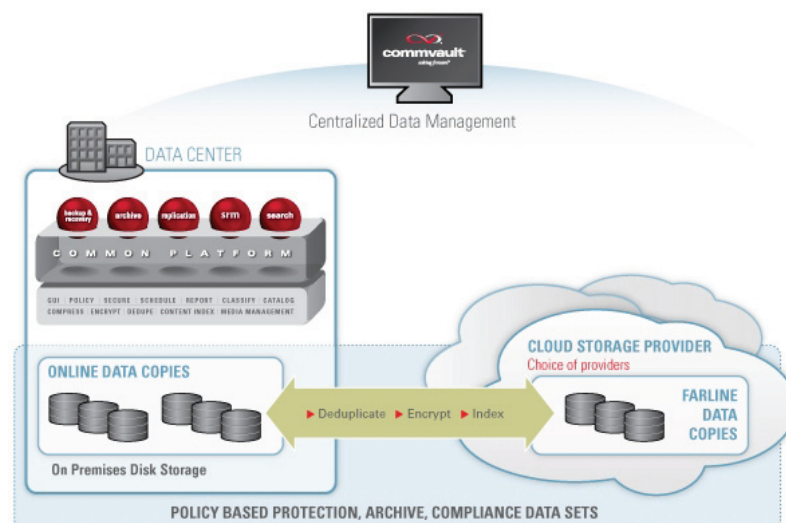


Figure 1: Policy Based Protection, Archive, Compliance Data Sets

### *Increased Choice for Farline™ Storage*

CommVault continues to work with an ecosystem of cloud storage providers to maximize flexibility and customer choice. Choose the storage provider that best meets your particular data retention, data recovery, and budgetary requirements. This open approach ensures that additional cloud storage vendors can be added in the future to increase the choices available with CommVault's approach to cloud-based storage.

### **A Common Sense Approach to Cloud-based Storage**

CommVault provides an evolutionary approach to cloud-enabled data and information management based on our Simpana software architecture and platform. We enable users to seamlessly leverage the cost-efficiency and flexibility of cloud-based storage, without losing the ability to monitor, manage, protect and secure data no matter where it resides.

Looking to take advantage of cloud-based storage? You're not alone. The Simpana software platform, combined with our expanding array of cloud-based storage service providers, provides huge benefits in scalability, ease of management, increased efficiencies, improved flexibility and reduced storage costs.

**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.**



[www.commvault.com](http://www.commvault.com) ■ 888.746.3849 ■ E-mail: [info@commvault.com](mailto:info@commvault.com)

CommVault Worldwide Headquarters ■ 2 Crescent Place ■ Oceanport, NJ 07757 ■ 888-746-3849 ■ Fax: 732-870-4525

CommVault Regional Offices: United States ■ Europe ■ Middle East & Africa ■ Asia-Pacific ■ Latin America & Caribbean ■ Canada ■ India ■ Oceania

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