

## ▶ 5 Ways to Get Control of Your Backup and Recovery Environment

IT professionals know the word kludge all too well, having experienced the painful inefficiencies that occur when multiple point products are cobbled together to try to accomplish tasks and to function as one unit. It rarely works and the TCO (total cost of ownership) analysis of such inefficiencies will show a pretty dismal return. There is a better way: starting with a single-platform solution that not only incorporates your multiple needs for data management today, but also is designed to address a future in which the demand for data services knows no bounds.

It's a good time to build for the future by putting into place a data backup and recovery, retention, search and access platform that is designed from the beginning as a holistic, fully integrated system. It will provide you the security and efficiency you need to serve your organization's many needs and support ever-increasing demands without adding complexity.



## ▶ CHOOSE INTEGRATION OVER LEGACY CONFUSION

Commvault® banishes the disconnected legacy point products of the past and replaces them with a single, Modern Data Protection and information management platform. It integrates application intelligence with heterogeneous hardware snapshots, indexing, deduplication, replication, reporting and search to efficiently capture, move, retain, find and recover data from any storage tier.

Making it even more appealing, you have the benefit of a single user interface and common code base that enables you to improve recovery times, reduce costs and improve operations.

Here are five features of Commvault's software that give IT professionals the streamlined approach to data management they need to support enterprises in a challenging modern environment.

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### ONE: APPLICATION AWARENESS

Commvault uses its in-depth knowledge of applications, virtual machines and file systems to provide granularity into the data you are protecting, and to enable consistent, rapid protection and recovery of that data. One of the technologies that make rapid, consistent recovery possible is the software's hardware snapshot management technology which enables you to create application-aware recovery copies from heterogeneous storage arrays from a single console and without complex scripting. Modern snapshot integration helps you meet increasingly stringent SLAs by dramatically improving recovery time and reducing backup windows. And you can reduce the burden on resources by offloading backup operations from snapshot copies from your production environment.

### TWO: SMART DATA RETENTION

A streamlined approach to data management means getting smarter about what data you want to keep, to further reduce the cost, complexity and risk of storing business or compliance data. Commvault software uses content-based retention policies, taking retention into the modern age, unlike costly legacy methods that follow the "keep everything" principle. By automatically organizing, classifying and storing only the data you deem relevant, Commvault software can reduce retention costs up to 70 percent. With support for disk, tape or cloud storage, policy and content-based retention enables a streamlined, more intelligent archive accessible for a variety of use cases, including compliance, records management, eDiscovery, storage optimization, analytics and more.



Content intelligence also enables your enterprise to fast-track data discovery. Having cleared away non-essential data, you can access value-rich data faster, accelerating analysis, legal response and decision making.

### THREE: NO MORE DATA REDUNDANCY

Siloed data in organizations is one of the leading factors in slowing down organizations in completing tasks, collaborative decision making and most definitely, in controlling data storage costs. Commvault software's global deduplication feature eliminates redundant data so you can reduce storage infrastructure costs. This happens at the source, which can reduce up to 90% of the data moved over your network, and literally cut your backup time in half. Commvault software deduplication eliminates the need for rehydration when tiering data off site, or to tape, to further maximize efficiency.

### FOUR: STORAGE TIER FLEXIBILITY

One size does not fit all when it comes to storing and accessing your data that is governed by different protocols depending on the levels of protection and security needed, performance requirements, frequency of use, and other considerations. Commvault understands you need tiered storage to optimize resources and budgets; at the same time, you require quick, granular restore of your data when disaster strikes, and less critical recall and access for other business demands.

Modern Data Protection gives you this flexibility by maintaining copies of your data on different storage tiers, including virtualized environments and private clouds, to meet different retention, access and recovery needs. For example, with a single Commvault software solution you can automate storing some snapshots near the original data for quick, granular restore; moving older backups off to less costly storage tiers; and preserving archived data, as long as you need to, on media that best meets the recall profile for that information.

Commvault software enables this flexibility by creating a central index of all information that is being managed and efficiently moving just the changes which significantly reduce the backup window while reducing the load on network resources. All Commvault software managed data is contained in one content-aware, storage agnostic repository across both protection and archiving, called the ContentStore, which allows you to use existing or commodity disk, tape and even cloud storage, to lower the total cost of ownership for retained backup and archive data.

“...Simpana has allowed customers to mitigate the risk of and exposure to data loss and unplanned downtime by improving backup performance and providing greater assurance that applications and data can be recovered in a timely manner.”

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## FIVE: SECURITY, AUTOMATION AND REPORTING

Automation, role-based security and reporting are part of the core foundation of Commvault's Modern Data Protection strategy. To reduce storage and storage management costs, for instance, almost all manual activities should be eliminated through policy-based approaches and centralized administration that automate the movement of backup and archive data to the most cost-effective storage locations.

Commvault also takes into account the expectation of data security today, providing not only the means with which to secure data, encrypting both in flight and at rest, but also the ability to selectively define which data different types of users are authorized to see and manipulate. And you will be equipped to continually improve on operations through integrated reporting that can give you insights into your environment and assist you for planning and forecasting.

### ▶ A PLATFORM FOR THE FUTURE

Legacy systems with multiple point products simply don't work in today's data environment. Commvault has developed their software to be a single source by which IT professionals can solve the issues of more efficient data management. The features described herein – automation, application integration, smarter data retention, elimination of redundancy, storage tier flexibility, data security – are focused on helping your IT staff reduce costs while giving enterprise users the level of highspeed access and intelligence they expect now. It's time to put the word kludge in the data archives!

▶ To learn more about Commvault software, and how it will enable your modern data protection strategy, please visit [commvault.com](http://commvault.com).

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