



# ▶ Data Protection and Recovery Solutions

## QUICKLY PROTECT, MANAGE, AND RECOVER ENTERPRISE DATA

Enterprise organizations deploy a wide range of operating systems, applications, servers, and storage to meet their global business needs. To be successful, they require more than just fast backup and recovery. They must actively manage, access, and use data across storage tiers and wherever it resides. And they need the freedom to deploy the storage and infrastructure that best meets their budget and performance requirements.

- Unified, integrated backup and recovery
- Flexible options include snapshots, deduplication, encryption, archive, and reporting
- Store protected data with common cloud storage providers (Amazon, Microsoft, Google, and more)
- Integrate with an industry leading number of hardware providers to execute data snapshots and backup operations from snapshots
- Full support for all file systems, applications, and virtual platforms is included



Commvault has also been recognized by industry analyst Gartner as a leader for the past seven years in a row.<sup>1</sup>

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[commvau.lt/1UzbNyi](https://commvau.lt/1UzbNyi)

## ▶ TRADITIONAL BACKUP AND RECOVERY SILOS

Traditional backup and recovery solutions typically consist of multiple stand-alone products that are the result of company mergers and acquisitions mergers and acquisition, or companies adding a point product to try to address a specific use case.. These products may offer snapshots, backup, archive, reporting and other features. But they are really just separate products that were not designed to work together and offer very limited integration (if any).

Users are often stuck with multiple products that have separate silos of data – each with their own expensive vendor specific storage and infrastructure. They also struggle with inconsistent user interfaces, limited backup options, cumbersome recovery, and data in limited backup options, cumbersome recovery, and an inability to access or use data across solutions. This disjointed approach results in increased hardware, management, and service costs.

## ▶ COMMAVULT COMPLETE™ BACKUP & RECOVERY; NO SILOS!

Unlike traditional solutions, Commvault Complete™ Backup & Recovery software was designed with a single code base, a single index, and is completely integrated. Protected data is stored in a single, virtual data repository, which eliminates the separate data silos that come with traditional snapshot, backup, archive, and reporting products.

As a result, only Commvault delivers a comprehensive backup and recovery solution that provides a single, complete view of all of your enterprise data, no matter where it lives. In addition, Commvault has industry unique breadth and depth of coverage across storage systems, snapshot engines, enterprise applications, hypervisors, cloud storage options, and operating systems, so users are never locked-in to a specific vendor's expensive or proprietary technology.

Commvault Complete™ Backup & Recovery quickly protects data across the enterprise - including virtual and physical servers, cloud, hybrid, NAS, remote offices, desktops, laptops, and mobile devices. Flexible data protection options include Commvault snapshot Management, deduplicated backup, replication, and archive. In all cases, data can be quickly recovered in a single step. In addition, Commvault software enables organizations to actively manage and archive data across storage tiers to reduce costs and improve performance, immediately access data without waiting for a full recovery, and easily leverage data in support of e-discovery, regulatory compliance and other objectives. Commvault software also provides advanced reporting and analytics across all data and environments, so companies can make better business decisions.

**Commvault customers achieve 41 to 58% improvement in average recovery time for messages, files, and VMs as well as Exchange, Oracle, SharePoint, and SQL.<sup>2</sup>**

1 <http://commvau.lt/107M57y>

2 [Quantifying the Business Value of Commvault Software: Worldwide Customer Survey Analysis](#). IDC 2018 #US40773815

With support for **40+ cloud storage options**, Commvault makes it easy to back up workloads, applications, and data to the cloud. Whether it's a few applications or a petabyte of data on an ongoing basis, Commvault helps organizations get their data to the cloud – and protect it – more easily and efficiently.

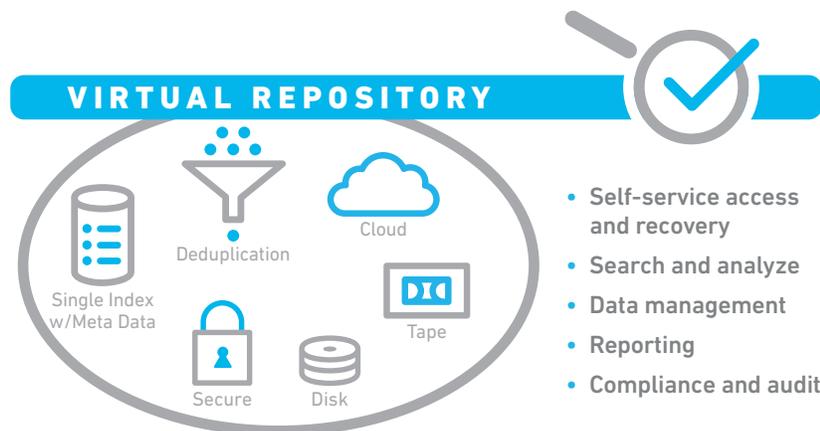
Commvault software provides organizations with fast, reliable backup and recovery, simplified management, and reduced infrastructure costs. And organizations can gain new insight by fully leveraging their data assets across the enterprise.

## ▶ SINGLE, VIRTUAL DATA REPOSITORY

At the heart of our unified, integrated architecture is the single, virtual data repository, which supports a wide range of leading multi-vendor storage across virtual and physical servers, cloud, and hybrid environments. So organizations have the freedom to deploy their favorite servers and storage with no vendor lock-in.

Data protected by Commvault's snapshot, backup, and archive features is stored in the virtual repository. In addition, enterprise data can be imported from other sources via native and third party interfaces. Data stored in the virtual repository is automatically indexed, which provides fast, single-step recovery, on-demand data access, and the ability to use data across locations and storage tiers. This eliminates the silos of data typically found with other vendor's solutions. In addition, the virtual repository is deduplicated for optimized capacity and performance, and it can be encrypted for security.

**Commvault customers achieve 31% reduction in weekly administrative hours across all data protection, storage and data management operations., disaster recovery (DR), backup, snapshots, discovery, reporting, and scripts.<sup>2</sup>**



**Data protected by Commvault Complete™ Backup & Recovery resides in a single, virtual data repository that supports multi-vendor storage (physical, virtual, cloud, hybrid). Data can be quickly recovered, accessed and leveraged in a single step.**

## ▶ COMMVAULT® SNAPSHOT MANAGEMENT TECHNOLOGY

Unlike traditional snapshot solutions, Commvault Intellisnap® Technology, snapshot management, can efficiently protect a wide range of enterprise environments including multi-vendor storage, file systems, applications, and hypervisors. This dramatically simplifies management, since administrators can initiate snapshots using a consistent process and user interface regardless of the application or storage platform. By integrating tightly with host applications and heterogeneous hardware arrays, Commvault Intellisnap® technology creates application consistent snapshots, indexes the content, and can optionally drive backup or DR copies to secondary disk, tape, or cloud storage.

In addition, workflow automation capabilities can completely automate complex or highly repetitive manual data management tasks. For environments with non-standard configurations that are not covered by the pre-built Commvault snapshot recovery workflows, the workflow automation tool enables administrators to quickly create custom workflows that bring together sets of individual tasks in a specific order or decision tree via an intuitive graphical user interface. As a result, protecting multi-vendor and multi-application environments is dramatically simplified (e.g. SAP® with Oracle®, custom applications).

Commvault Complete™ Backup & Recovery software automatically indexes all snapshot copies under management, enabling intuitive search and granular recovery within and across snapshots. Since the snapshot technology integrates with Commvault backup processes and the virtual repository, administrators can enjoy fast, automated recovery of files, objects, applications and databases – without the hassle of complex scripts and non-integrated recovery tools.

## ▶ COMMVAULT DEDUPLICATED BACKUP

Commvault Complete™ Backup & Recovery provides flexible backup solutions to efficiently protect enterprise environments. During the backup process, data is automatically deduplicated at the source and globally across sites and servers. This significantly reduces the amount of required network bandwidth, storage, and backup time compared to traditional methods.

Commvault supports a wide range of storage arrays, applications and environments. For a complete list, visit us online.

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**Commvault customers achieve 44% reduction in annual spending on data infrastructure, software, services, and compliance.<sup>2</sup>**

## ▶ APPLICATION DATA MANAGEMENT

Enterprise organizations face many challenges when managing the lifecycle of applications and data from development and test, to production, and finally retirement. Critical and large application workloads must be available when needed and quickly protected in case of a disaster. Traditional solutions often require storage array replication, which can be expensive to maintain and manage. And orchestrating replication copies, along with moving data between production and development environments can be extremely complex.

Commvault dramatically simplifies application data management across all three phases of the application lifecycle. Commvault Orchestrate™ simplified copy data management in dev/test environments by automating workload orchestration, providing self-service provisioning for developers and eliminating unnecessary duplicate copies. Application recovery for critical production systems is immediate and provides granular self-service access to data, even to the file or database table level. These same production applications can later be retired and have older information off-loaded to keep production systems running at maximum efficiency while addressing longer term data access and compliance requirements.

Commvault software creates a more flexible dev/test environment, making organizations more agile while providing the confidence that critical application data is always available so that business processes are never interrupted.

## ▶ ARCHIVE AND REPORTING

Most organizations rely on separate products to solve data protection, archive and reporting needs, causing management headaches and inefficient data silos that are costly and difficult to leverage.

Commvault has the industry's first converged process for backup, archive and reporting from a single data collection and common infrastructure. It enables organizations to solve massive file, folder, and Microsoft Exchange email growth challenges with zero footprint archiving and no additional overhead. Commvault software also makes it easy to manage and move files and emails based on user-defined policies to the most cost-effective storage including disk, tape or cloud.

Commvault also includes integrated reporting and advanced analytics so that companies can leverage their data in support of eDiscovery, regulatory compliance, and other business needs. As always, all data managed and protected by Commvault software is retained in the virtual repository so it can be quickly recovered, accessed, and leveraged when needed.

### Quantifying the Business Value of Commvault Software: Worldwide Customer Survey Analysis

Commvault solutions have produced a concrete value for their customers through the current chaotic technology landscape.

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▶ **INDUSTRY LEADING DATA PROTECTION AND RECOVERY**

Commvault's unified, integrated data protection and recovery solutions are widely deployed by leading Fortune 500 organizations worldwide. Commvault has also been recognized by industry analyst Gartner as a leader in the [Magic Quadrant for Data Center Backup and Recovery Software](#) - for the past seven years in a row.<sup>1</sup> With solutions and services delivered directly and through a worldwide network of partners and service providers, Commvault Complete(TM) Backup and Recovery is the recognized leading solution for backup and recovery on premises, in the cloud ... everywhere your data lives.

▶ Your data protection, backup and recovery solution should cover the full range of data sources, file types, storage media and backup modes — from snapshots to streaming. Learn more at [commvault.com/complete-backup](https://commvault.com/complete-backup).

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