

KEY CAPABILITIES

- **Extends enterprise-class data protection to the edge—** Data residing on desktops and laptops can leverage the same systems and storage infrastructure already in place to protect enterprise systems. Simplified installation with remote “push” deployment requires no end-user involvement, reducing potential errors and offloading need for additional headcount.
- **Combines centralized, unified management control with end-user capability—** Administrator-defined data protection and retention policies ensure uniform data protection coverage. Protection policies can be centrally controlled or optionally enabled for end-user configuration.
- **Provides intuitive browse and selection interface for end-users—** The end-user console resides on the workstation, enabling users to view the protection policy configuration, optionally initiate the protection job, view the history and browse/restore files from the recovery copy. Easy point-and-click restore function enables end users to easily access information on an as-needed basis, without the need for extensive administrator involvement and with minimal interruption to workflow and productivity.
- **Efficient protection of new and changed files and data—** Delta-block updates enable CommVault software to identify sub-file level changes in larger files and only send smaller footprints of data copies, minimizing daily and network resource load.
- **Offers secure data transmission—** Built-in encryption and compression ensure efficient and secure data migration on networks. Using a push model, the software provides a high level of protection and security across WAN and satellite networks by replicating data from the remote system into a central server, protecting the edge data from loss.

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Extending Data Protection to the Edge with CommVault® Simpana® Software Solutions

Simpana® Workstation Backup and Recovery Software Designed to Protect Distributed Desktop and Laptop Systems

The Business Challenge

Some of the most valuable—and vulnerable—data sits “at the edge” of an enterprise, on end-user desktop and laptop workstation systems. In fact, IDC estimates that 60 percent of enterprise business data is held outside of the core data center infrastructure and thus outside the reach of traditional data-center-centric approaches to backup and recovery. Failing to protect this data can result in valuable missed opportunities and a drastic loss of productivity, especially for mobile workers. It also exposes organizations to potential legal troubles if they can’t effectively meet requests for eDiscovery.

Traditional data protection strategies for workstations have relied on standalone solutions that are not compatible with enterprise data protection systems. These solutions often require separate management consoles, servers, networks and backup storage, which are expensive and cumbersome, draining core IT resources while distracting and annoying end-users. New cloud-computing (SaaS-based) alternatives minimize upfront costs but can more than make up for the initial savings with higher cumulative costs and an inability to rapidly retrieve older data. Security of en route data can leave an enterprise open to inadvertent data loss and even theft. In both solution types, there are limited options for disaster recovery and long-term data archival, and even fewer for repatriation of business-critical data. Increasing regulations and legal requirements increase the business risk of leaving data at the edge unprotected and unmanaged.

Previous attempts to run backup agents designed for enterprise servers on remote desktops and laptops have encountered challenges due to the lack of constant connectivity to the network required for these systems. Backup jobs generated by central data management systems miss capturing the data from independent workstations not connected to the network at the time of the backup. Other backup agents have also typically been overpriced for these systems, both in terms of initial purchase price and maintenance renewals, forcing companies to protect only a limited set of end-user systems.

Companies require an operationally consistent data protection solution that minimizes ongoing complexity and cost, and maximizes disaster recovery (DR) and archival options on the backend. Capturing and centralizing edge data is the first step in bringing this most valuable data under the corporate data protection umbrella.

The CommVault® Simpana® Software Solution

CommVault® Simpana® Workstation Backup and Recovery software is a cost-effective, simple and reliable solution that is specifically engineered to address independent workstation data protection and recovery requirements. It enables organizations to securely and efficiently protect edge data, sending it to central servers for consistent and easy protection.

Once the data is centralized, consistent data management policies manage the data over its lifecycle. Content indexing policies can be applied to service eDiscovery requests, data across thousands of workstations can be deduplicated, tiered storage management can be implemented to move data off to archival media for long-term retention and disaster recovery. Moreover, a central administrative team can cost-effectively manage all enterprise data regardless of its original location.

CommVault® Simpana® software solutions are built on a single technology platform that offers the flexibility to expand from backup to replication to archival to storage resource management, without learning new technologies or installing new infrastructure. All these capabilities are integrated into a single, efficient, scalable foundation that delivers centralized management for physical servers, virtual servers and storage from a single unified console. Comprising a range of application modules, Simpana software provides multiple backup and recovery options, a flexible IT infrastructure for data protection, and disaster recovery to ensure business continuity.



CommVault® Simpana® Software
Singular Information Management® Architecture

KEY CAPABILITIES

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- **Handles intermittent connectivity—**
Discrete data movement and “network awareness” capabilities recognize when transient and remote systems are connected to the network. At time of connect, incremental new data created since the last data synchronization is captured and pushed to centralized servers for immediate protection, based on network bandwidth availability.
- **Enables compliance with federal guidelines—**
Business-critical data on remote workstations and laptops can now be backed up and archived along with central enterprise data, enabling organizations to comply with eDiscovery and other federal regulations.

Automated Backup and Recovery

The CommVault® Simpana® Workstation Backup and Recovery solution is simple to deploy across heterogeneous and remote environments. It is easy to configure and manage, improving workstation/laptop coverage with minimal infrastructure investment. The software can be installed remotely and silently, avoiding the need for local user or IT involvement while providing 100 percent coverage for edge data. Data files are automatically moved from workstation systems to central data center servers on a regular basis.

CommVault uses advanced replication technology to capture and push only incremental data from end-user workstations to central servers, minimizing both the client-side operational impact and network utilization. Data is captured in incremental chunks using a SmartSync approach that identifies just the changed blocks or sub-file segments and transmits them across the network. This results in highly efficient data movement, minimizing daily network resource loads.

Secure and Reliable backup and Recovery

Built-in encryption and compression ensure efficient and secure data migration on networks. Using a push model, the software provides a high level of protection and security across WAN and satellite networks by replicating data from the remote system into a central server, protecting the edge data from loss. High fan-in ratios enable the protection of hundreds of independent desktop and laptop systems through a single central server, enabling organizations to leverage the same systems and infrastructure they already have in place to protect their enterprise data.

Conclusion

CommVault® Simpana® Workstation Backup and Recovery software is a simple, scalable and cost-effective way to protect important data and end-user files on laptops and desktops and ensure that enterprise data retention and data availability requirements are met. Bringing data at the edge under central management reduces overhead and facilitates compliance with corporate and federal guidelines, while reducing exposure to significant business and legal risks and reduced productivity. As part of the Simpana® Software, the Workstation Backup and Recovery software offers simple, reliable, transparent data protection for desktop/laptop systems within a single, efficient infrastructure that includes servers, networks and storage.

About CommVault

A singular vision—a belief in a better way to address current and future data management needs—guides CommVault in the development of Singular Information Management® solutions for high-performance data protection, universal availability and simplified management of data on complex storage networks.

CommVault’s exclusive single-platform architecture gives companies unprecedented control over data growth, costs and risk. CommVault’s Simpana® software was designed to work seamlessly from the ground up, sharing a single code and common function set, to deliver superlative backup and recovery, archive, replication, search and storage resource management capabilities. More companies every day join those who have discovered the unparalleled efficiency, performance, reliability and control only CommVault can offer. Information about CommVault is available at www.commvault.com. CommVault’s corporate headquarters are located in Oceanport, New Jersey, in the United States.

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.



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