

Simpana® 9

Highlights:

Simpana® 9 enables organizations to:

1. Deliver near-instant backup of hundreds of virtual machines and applications within minutes.
2. Easily recover VMs, applications and data stored across tiers of storage and tape.
3. Reduce the amount of data backed up and archived by up to 90%.
4. Implement centrally managed global, end-to-end deduplication across 100's of clients without losing the ability to tailor data protection and retention needs.
5. Have independent retention periods for replicated copies so that administrators can control how long data remains online for each copy of data.
6. Use capacity-based licensing with dashboards and trend analysis to obtain visibility and ease of management while eliminating time consuming audits.
7. Simplify and automate the reporting and migration of IBM TSM and Symantec NetBackup clients to Simpana.

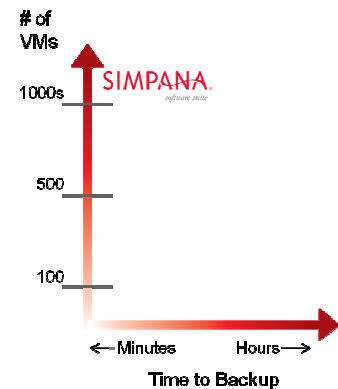
Simpana® 9 Revolutionary Technology Delivers Significant Enhancements to Improve Operational Efficiency, Agility and Reduce Storage Costs

Simpana® 9 provides IT departments with the tools needed to modernize their data management strategy to contain costs and improve efficiencies. By leveraging a single unified code base and platform, Simpana software simplifies an IT organizations ability to manage data across its lifecycle with integrated modules for Backup & Recovery, Archive, Replication, Resource Management and Search.

This modern data management approach enables IT departments to leverage the strengths of this “common” platform combined with unsurpassed feature-for-feature performance against alternative point-level solutions to address data across its lifecycle.

Gen 3 Virtual Server Data Protection

Unanticipated surges in virtual machines and data growth makes virtual environments very dynamic, difficult to predict, manage and protect. Existing products and procedures often no longer work or may not be applicable to large environments. With hundreds to thousands of virtual machines (VMs) driving rapid data growth administrators find that meeting backup windows becomes very difficult and application and file recovery is a multi-step, complex process that takes too long.



Simpana 9 delivers unique and necessary capabilities for administrators protecting virtual environments. With support for thousands of VMs and integration with array-based snapshots, hundreds of VMs running applications (Oracle, SQL Server, SAP, DB2, MS Exchange) can be backed up in a consistent state within minutes. Via the Simpana user interface administrators can automate and create multiple recovery points each day, catalog content residing within snapshots and manage data across tiers of storage and tape.

As new VMs come online, Simpana software automatically discovers and protects VMs using pre-defined data protection policies which ensures new VMs are not left unprotected. Advanced reporting provides administrators with a 360 degree view of their environment and describes the physical environment and the contents of individual VMs.

Simpana 9 revolutionizes application recovery in virtual environments. Because Simpana software knows where application data is at all times, administrators can use the Simpana user interface to easily “browse, point and click” to restore complete application environments, VMs and data residing on storage devices (or tape) back to the primary storage system.

Data Reduction

In January, 2009 CommVault introduced Simpana 8 which included the industry’s first software-based embedded block-level deduplication solution spanning both disk and tape. This unique end-to-end approach expanded the benefits of block-level deduplication across an entire organization’s backup and archive copies and addressed the limitations of hardware-based target devices. Customers achieved up to 90% savings on disk and tape at much lower cost, the ability to select their storage system of choice and have much simpler management.

Simpana 9 introduces Gen 3 Deduplication which eliminates redundant backup and archive data by up to 90% starting at the client. This extends deduplication across the enterprise from client-to-disk-to-tape with one solution and reduces the amount of data



sent across networks by up to 90% enabling customers to meet stringent backup windows.

This approach offers significant customer benefits compared to the traditional approach of using target deduplication devices based on high-cost, proprietary appliance-based devices. The CommVault approach addresses the critical issue of protecting rapidly growing amounts of data in shorter periods of time and eliminates the need to purchase and independently manage deduplication devices.

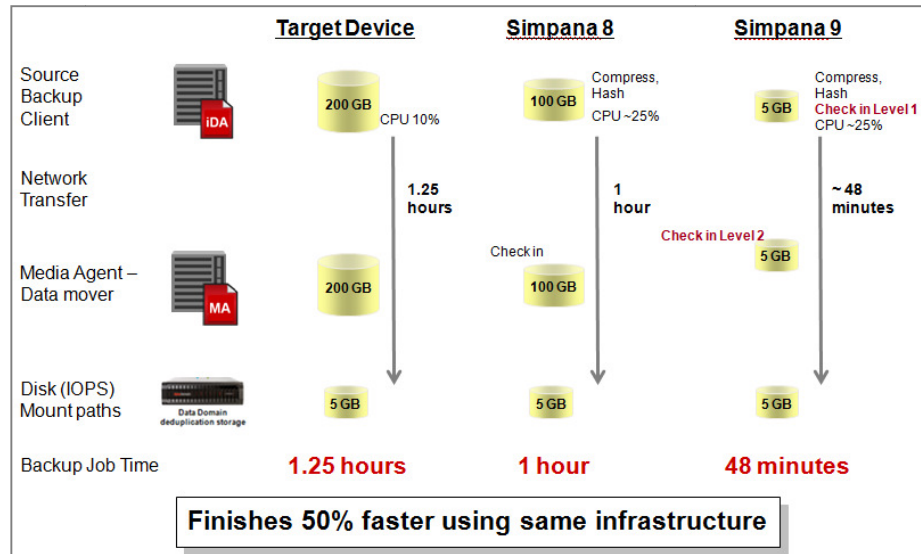


Figure 1: Compares the backup window for 3 approaches. Traditional target-side deduplication, Simpana 8 deduplication, and Simpana 9 source-side deduplication which deduplicates at the client system and sends significantly less data across the network. When compared to traditional target-side deduplication, backup times are improved dramatically.

Simpana 9 deduplication is truly global across multiple data management storage policies and hundreds of clients so that deduplication benefits are multiplied without losing the ability to tailor data protection and retention needs to meet business requirements.

Administration is simplified through a single operational view and one checkbox to enable deduplication.

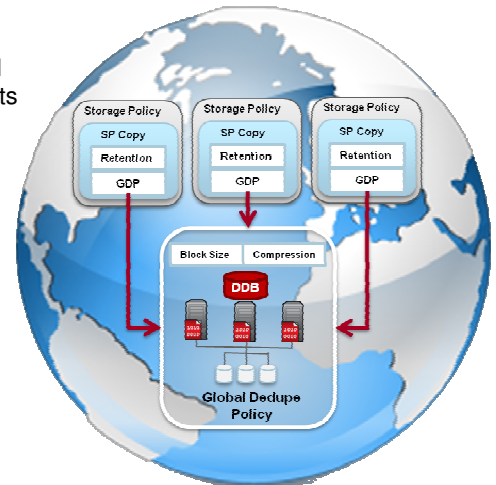


Figure 2: Multiple clients, geographically dispersed, each with its own storage policy sharing a common global deduplication policy and database.

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Modern Data Protection

Simpana 9 includes the industry's only solution (SnapProtect™) that integrates with a wide array of applications and industry-leading storage platforms to enable IT to centrally automate the management of snapshots and protect applications across homogeneous and heterogeneous environments. This enables administrators to easily automate and make near-instant consistent backup copies of applications and then manage application data through its lifecycle across tiers of storage and tape. Recovery is simple. Simpana 9's user interface enables administrators to easily "browse, point and click" to restore complete application environments.

Simpana 9 Deduplication Accelerated Streaming Hash (DASH), combined with Simpana deduplication, allows IT departments to have independent retention periods for copies of backup data so that administrators can control how long data remains online for each copy of data. This enables IT staff to centrally manage and replicate data to multiple locations with different retention periods to meet retention requirements.

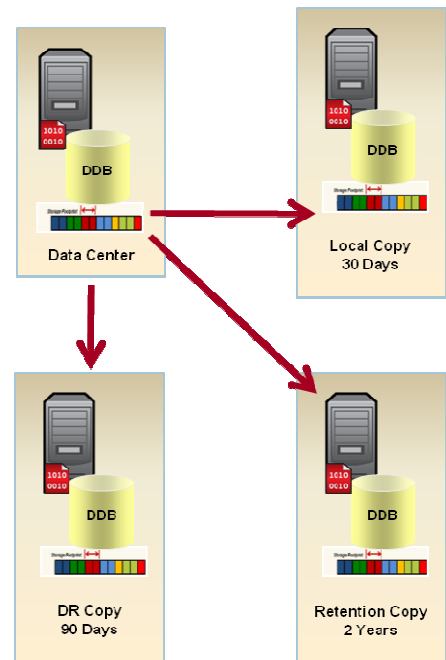


Figure 2: Replication from data center to 1 local and 2 remote sites, each with its own retention period.

Simplifying Data Management

Simpana 9 delivers unique, capacity-based licensing that provides unprecedented visibility and ease of management. Dashboards inform administrators how much capacity is utilized, including warnings when reaching thresholds, and automatically reassess usage on a daily basis. This visibility eliminates the manual process of constantly tracking usage and the need for quarterly (or yearly) time consuming audits. Integrated trend analysis helps administrators have a clear understanding of utilization over time for better planning.

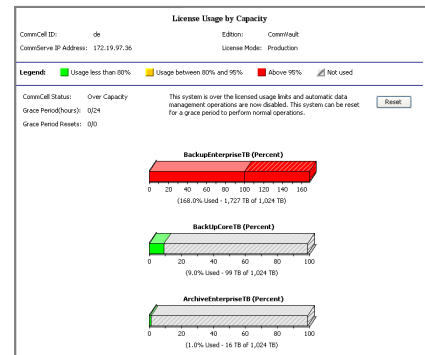


Figure 3: Screenshot illustrating license usage by capacity.

To help IT teams minimize administration time Simpana 9 makes it easier than ever to install software on client systems. Administrators can use the Simpana user interface to automatically discover clients within a domain, report on the discovered servers and automatically push software to all identified systems within the domain.

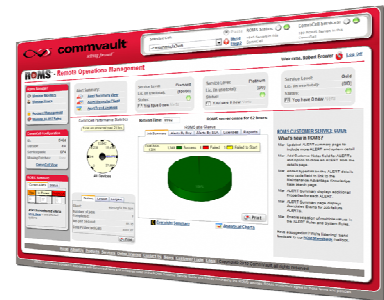
Simpana 9 "Fast Pass" technology eliminates barriers and makes it easier than ever for IBM TSM and Symantec NetBackup customers to transition to CommVault. Simpana 9 automatically obtains details on NetBackup and TSM environments (client information, policy details, job information, policy schedules, tape inventory, etc) and begins to monitor and report on NetBackup and TSM jobs.



When IT staff is ready to transition some or all clients to CommVault, administrators simply “point and click” and Simpana software silently deploys CommVault agents to the targeted client systems. With a flick-of-the-switch those clients can be converted into live CommVault clients leveraging pre-existing policies and job schedules.

CommVault Services complement “Fast Pass” technology with a suite of new service offerings to help ease the transition to Simpana 9. These include proactive risk identification and planning which reduces the time to migrate and ensures that best practices are employed.

Simpana 9 includes CommVault Remote Operations Management Service (ROMS®) providing a 30-day access package to the ROMS® Monitoring Service and website. ROMS is a framework of software, systems and personnel that provides managed monitoring for the CommVault-powered enterprise. Alerts are captured as they occur helping customer’s drive down costs by automating and centralizing support and reporting functions.



ROMS monitoring of key systems ensures that alerts are analyzed and responded to based on SLAs that have been established by the customer for each monitored server helping expedite the resolution of issues affecting critical systems.

Simpana 9 Sets the Bar

Organizations of all sizes are grappling with unprecedented data and application growth as well as outdated, legacy environments that cannot scale sufficiently to support new technologies. And it will not get better.

Can you afford not to modernize?

Simpana 9 will help your IT organization reduce the costs and complexities associated with traditional data management, automate manual functions, and enable your IT team to react faster.

Modern Data Management with Simpana 9 – a new, better way to manage and protect your data

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