



Ten Reasons to Manage Data in Virtualized Environments with CommVault® Simpana® Software and Universal Virtual Server Agent

Best-in-Class Data Protection

- 1 Automatic Virtual Machine Discovery**—Leverage automated operations to discover newly added virtual machines (VMs) and place them into backup policies based on pre-configured rules, such as naming conventions or ESX server affinity. This helps reduce operational overhead, as administrators no longer need to spend time manually discovering new VMs and ensuring they are protected in the right way. In addition, a “catch all” policy is available for virtual machines that do not meet the rules.
- 2 Greater Efficiency from Support of Native APIs and Frameworks**—Leverage VMware’s vStorage API for Data Protection (VADP) for faster vSphere backups and restores. For older ESX server versions, utilize VMware Consolidated Backup (VCB).

Reduces Impact on Virtual Infrastructure

- 3 Efficiently Protects Data in Virtual Environments**—Protect groups of VMs centrally for VMware and Microsoft Hyper-V. This eliminates the need to install and maintain backup agents on each virtual machine, which helps simplify administration and reduce impact on your environment as it scales.
- 4 Distributes Workload for Effective Resource Utilization**—Use smart policies, driven by automated VM discovery, to distribute backup workload across multiple elements in the virtual environment. Multi-streaming concurrent VM backups and built-in controls limit number of simultaneous streams and snapshots per physical resource, helping minimize I/O load on individual elements within the infrastructure.
- 5 Built-in Concurrency and Resiliency Controls**—Limit the impact of backups on individual elements while providing higher cumulative throughput. For example, configure a delay to automatically stagger snapshot requests to help minimize errors from datastore locking.

Balance Recovery/DR Objectives with Long Term Retention Needs

- 6 Meet SLAs for Protection and Recovery**—Leverage multiple backup options to balance SLAs for protection and recovery of virtual machines on VMware or Microsoft virtualization platforms. Recover individual files, even from an image level backup, without having to recover the entire image first.
- 7 Eliminates Redundant Data Copies**—Leverage embedded global data deduplication to identify and eliminate redundant data across backup and archive of physical and virtual environments running either VMware or Microsoft Hyper-V. Helps retain more backups on disk for faster recovery.
- 8 No VMware Restaging Required**—Utilize single pass backups that provide full VM and granular recovery capabilities with no restaging of the full VMDK file.
- 9 Seamless Disaster Recovery (DR) Copy Creation**—Use Auxiliary Copy capabilities to create tape copies, and then restore directly from tape without first restaging on disk. Alternately, replicate VM backups to create an available DR copy at an offsite location.
- 10 Reduces the Cost of DR Infrastructure**—Implement a DR strategy for all environments, applications, locations and points-in-time. Recover data and applications and rebuild your backup environment on dissimilar equipment quickly and efficiently.