COMMVAULT ®

▶ Commvault HyperScale™ Appliance Solution Brief

Commvault HyperScale™ Appliance is a hyperconverged data management solution built upon Commvault's industry leading technology that tightly integrates compute, storage, full life cycle data management and analytics into a single platform across the data center and the cloud. Our offering allows customers to significantly decrease complexity and cost while increasing scalability and IT agility. Designed for customers looking for a simple, easy-to-use solution for their data protection and management needs starting at 48TB.

Commvault HyperScale™ Appliance is built on a scale-out architecture and delivers web-scale services with cloud-like economics in an industry-proven data management solution. This software defined storage architecture allows customers to use cost-efficient server-based storage to optimize their hardware investment compared to traditional controller-based or object-oriented storage devices. The Commvault HyperScale Appliance provides a unified platform that supports data services for indexing, storage, data security, automation, reporting, and native access without the need for extra storage or other hardware infrastructure.

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THE VALUE OF AN APPLIANCE

The Commvault HyperScale Appliance is a turnkey solution built and supported entirely by Commvault. The appliance form factor saves time in hardware acquisition, installation and integration, daily management, as well as patching and updating. The single call support simplifies the technical support process on the entire solution. Commvault functionality is wrapped into a scale-out design as an appliance form factor that allows you to expand your backup solution as your environment grows. Built-in resiliency offers highly-available components that lead to less outages during upgrades and maintenance cycles.

COMMVAULT HYPERSCALE™ APPLIANCE ARCHITECTURE

Commvault HyperScale™ Appliance consists of compute and storage blocks which form a hyperconverged scale-out Storage Pool. Each node has dedicated SSDs for optimal performance of the Commvault software (operating system, binaries, and internally managed databases) and SAS hard disk drives dedicated for the Commvault data storage pool. The Commvault HyperScale™ Appliance utilizes a combination of erasure coding, redundant hardware components, and hypervisor layer CommServe integrity to provide a highy resilient architecture.
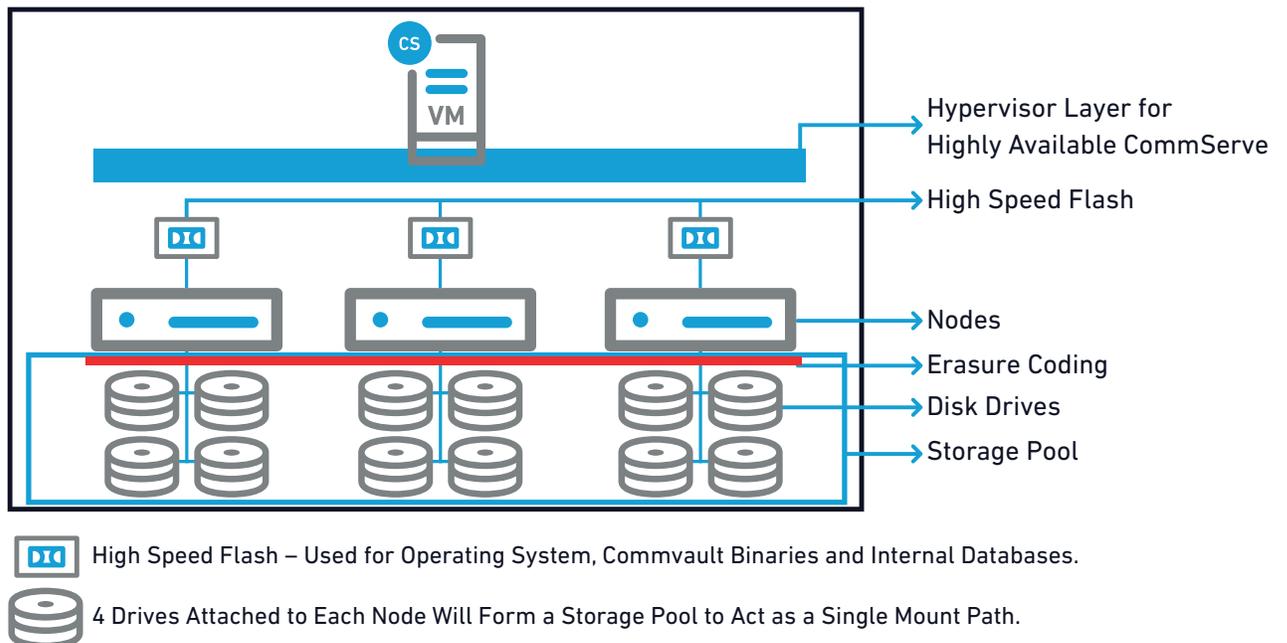
Commvault HyperScale Software Solution Brief

Commvault HyperScale Software consolidates all the roles performed by discrete servers in the traditional data protection architecture into a single software-defined stack.

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High Speed Flash – Used for Operating System, Commvault Binaries and Internal Databases.

4 Drives Attached to Each Node Will Form a Storage Pool to Act as a Single Mount Path.

THE VALUE OF AN APPLIANCE

BENEFIT	DETAILS
SIMPLICITY	Easy to install, configure, administer and maintain - perfect for customers with limited IT staff.
TURNKEY SOLUTION	Pre-tuned, pre-tested architecture reduces time to value.
LOWER COST	With built-in resiliency and failover, removes the need for expensive standby servers and storage arrays. Solution simplicity reduces operational overhead on IT teams.
HIGH PERFORMANCE DEDUPLICATION	Partitioned deduplication on high speed Flash storage with distributed processing across multiple nodes for optimal performance to meet RPO/RTO needs.
OPERATIONAL EFFICIENCY	Simplified operations with no fork lift upgrade requirements. Always available storage pool with nodes that can be upgraded/replaced/fixed without disruption of services for improved efficiency.
SCALE AND FLEXIBILITY	Storage pool can start small and expand dynamically as needed. Mix multiple generations of hardware in a single pool to rapidly benefit from newer architectures and drive densities.
INSTANT DATA ACCESS	Restore-less access to data copies by users and applications using standard interfaces from all managed copies including cloud copies.
FULLY INTEGRATED WITH PUBLIC CLOUD	Tier to all major public cloud storage providers for offsite copies and long term retention. Transform on-premises workloads into public cloud instances, protect cloud-native workloads and replicate data back to premises. Provisioning policies to spin up/spin down cloud resources on demand.
SIMPLIFIED SUPPORT	Commvault is responsible for supporting all elements of the software and hardware stack. No more playing referee between multiple vendors.
HARDWARE UPGRADE	Subscription-based pricing model offers a no cost hardware refresh upon subscription renewal.

BENEFIT	DETAILS
ACQUISITION	No need to research, determine the right configuration, parts compatabilities, and finally order compute, OS, storage, and backup components. The Commvault Hyperscale Appliance is a single SKU that is pre-configured with a validated design.
INSTALLATION & INTEGRATION	Appliance is tested, optimized for performance and installs quickly. Alleviate the need to integrate and install, test operation, monitor and adjust performance of multiple components.
DAILY ADMINISTRATION	A simple, intuitive graphical user interface designed for an IT Generalist to quickly monitor performance, set data protection policies, and enable self-service capabilities.
CONSOLIDATED PATCHING AND UPGRADES	Ensures you are always running the current version for greater feature, functionality, and security. No need to manage multiple components, or track compatibility and revision levels of multiple hardware and software vendors.

▶ Learn more about Commvault HyperScale solutions, visit us at **commvault.com/hyperscale**.

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