

Commvault

SOLUTION BRIEF

Commvault Grid

Support Consistent Recovery Readiness As Your Data Center Scales

OVERVIEW

As AI-enabled attacks increase the speed and scale of disruption, growing data centers need a consistent foundation for protection and recovery. Commvault Grid provides a validated, scale-out architecture that runs on VaultOS™, Commvault's hardened, purpose-built operating environment. By enabling capacity to be added node by node, Grid helps IT teams scale in predictable increments while supporting a more consistent protection and recovery posture as requirements evolve.

Centralized visibility and governance help simplify management, reduce configuration drift, and keep recovery workflows better aligned across distributed environments.

SUPPORTING PREDICTABLE GROWTH AND CONSISTENT PROTECTION

Many core data center architectures tie growth to large, fixed increments. As workloads expand, teams may have to purchase more capacity than they need or redesign the environment simply to accommodate growth. This can increase costs and complexity, and require teams to reassess protection and recovery posture as the environment changes.

Commvault Grid takes a different approach. Nodes can be added to the storage pool individually, with automatic load rebalancing designed to support performance and resiliency as the pool grows. This helps teams align capacity growth to actual demand, and spread costs in smaller, more predictable increments rather than large infrastructure investments. It also helps maintain consistent recovery readiness as data volumes expand and reduce the operational disruption of expansions.

COMMVAULT GRID: BUILT TO SCALE. DESIGNED TO SUPPORT RESILIENCE.

Enable Predictable Scaling	Enhance Simplified Operations	Help Maintain Consistent Protection	Strengthen Cyber Resilience
Add capacity incrementally as data grows without rearchitecting	Standardized configurations and unified management help streamline deployment, patching and maintenance	Help reduce configuration drift and keep protection and data security controls aligned	Support recovery from immutable protected data and integration with threat scanning and isolated recovery-validation workflows

A VALIDATED FOUNDATION, HARDENED BY DESIGN

Adding capacity should not add an equal measure of operational complexity. Commvault Grid combines a validated architecture with VaultOS™, the hardened, purpose-built operating environment shared across the Commvault Storage Family. Standardized configurations help simplify deployment, while centralized visibility and governance help teams streamline updates, reduce configuration drift, and manage the environment more consistently as it grows.

For IT teams, this helps reduce the effort required to design, deploy, and maintain one-off infrastructure configurations. For data security teams, it provides a hardened foundation that helps maintain more consistent data security controls and supports recovery from immutable protected data.

CHOOSE THE DEPLOYMENT OPTION THAT FITS

Commvault Grid is available as an integrated appliance or a validated reference architecture, offering organizations flexibility to align deployment with their infrastructure standards and operating model. Both options offer multiple node configurations to support different capacity requirements. Depending on the supported node and drive configuration, N4, N12, and N24 deployments offer initial three-node capacities ranging from 25 TiB to 745 TiB and can expand by adding similarly configured nodes as requirements grow.

Commvault Grid is designed to support predictable, mid-size to large enterprise data center growth. For data-intensive workloads that may require independently scaling compute and storage at petabyte scale, Commvault Flex may be a better fit.

COMMVAULT GRID APPLIANCE

Commvault Grid Appliance offers a preconfigured, single-SKU option built with certified hardware configurations from selected vendors so supported deployments follow tested configuration and validated designs. That consistency carries through to support: teams can get coordinated first-call support for both hardware and software, rather than coordinating between multiple vendors when something needs attention. This helps simplify deployment and ongoing operations, enabling teams to focus on higher-value work. As requirements grow, teams can expand capacity incrementally while retaining the same validated appliance experience.

A recommended starting point for core data center environments is Commvault Grid Appliance. When procurement constraints or specific hardware requirements call for a different vendor, Commvault Grid Reference Architecture can extend hardware choice while following validated Commvault designs and deployment guidance.

COMMVAULT GRID REFERENCE ARCHITECTURE

Organizations can align Commvault Grid with existing infrastructure standards and procurement relationships, including Cisco, Dell, FSAS Technologies, HPE, Hitachi Vantara, Lenovo, and Supermicro, while maintaining the common VaultOS™ foundation and Commvault software experience. Commvault supports the software layer, while hardware support remains with the customer's selected vendor.

READY FOR WHAT COMES NEXT

As data centers keep growing, the infrastructure behind recovery shouldn't force a redesign. Commvault Grid offers IT and data security leaders a validated, hardened architecture that can scale predictably, node by node, to help maintain consistent performance and protection as requirements evolve.

SUPPORTING CLEAN, VALIDATED RECOVERY

Commvault Grid connects to Commvault Threat Scan for pre-recovery threat detection and Commvault Cleanroom to help isolated recovery validation. Grid serves as the on-premises recovery vault, enabling teams to restore and investigate data in an isolated environment designed to reduce risk to production systems. This helps turn recovery readiness into test results that data security teams can share with auditors and boards.

PROVEN RESULTS



Emerson Electric

Simplified data protection and management while cutting operational resources needed by more than half. Commvault Grid Appliance helps protect on-premises data centers through the same console that manages Emerson's cloud workloads, across a 9PB hybrid data environment.



Allina Health

Sustained 99.9%+ backup success over 5 years as their Epic EHR environment grew roughly 1TB every three to four weeks — with accelerated backups for large database sizes and the granularity to help recover only what they need, when they need it.

Learn more, visit **commvault.com**

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