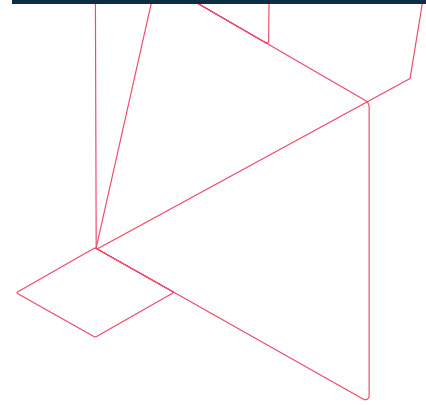


Taking the guesswork out of data protection

Commvault HyperScale™ Software solves the cost and complexity mystery



We understand you get satisfaction from completing do-it-yourself projects. But is it the best use of your time? When time is critical, budgets are tight, and there is no margin for error, you want a complete solution. One that is simple to order, easy to bring into production, and only requires general IT skills to manage it. And, it provides a single contact for all support.

To solve the do-it-yourself challenges, Commvault has created a better approach that puts you in control: Commvault HyperScale Software. It delivers the power of Commvault Complete™ Backup & Recovery software on a scale-out infrastructure. To eliminate the configuration mystery, Commvault has developed a Validated Reference Design program with leading technology partners to provide validated, tested, and optimized hardware configurations. These designs take the guesswork out of deployment, reduce complexity, and add customer value. Leaving you with a modern data protection infrastructure on the hardware platform of your choice.

Learn how Commvault HyperScale Software with a reference design can provide a modern infrastructure for modern data protection including:

- Saving time through software and hardware integration
- Driving innovation with leading technology alliance partners
- The ultimate flexibility in choosing your Commvault solution
- Two ways to scale your environment: Vertical and scale-out
- Taking the guesswork out of configuration and installation
- 10 benefits of Commvault HyperScale Software with Reference Design
- Protecting your data with a modern infrastructure
- Learn more what Commvault HyperScale Software can do for you

Saving time through software and hardware integration

Commvault Validated Reference Design Program saves organizations significant time through its hardware and software integration. By integrating the operating system, compute and storage management into the Commvault HyperScale Software, it provides greater benefits over traditional software and special purpose hardware based products. With the Validated Reference Design, this in-depth integration enables enterprises to realize time savings in five key areas:

- 1 Ease of acquisition:** An integrated solution that's pre-configured and validated for the specific workload, all available in a single package for easy procurement.
- 2 Simple installation and integration:** A single software package eliminates loading the OS and data protection software, and managing the storage separately. A comprehensive installation guide and documented processes saves time and eliminates complexity.
- 3 Centralized manageability:** Conserve valuable IT staff time with centralized management and reporting via an easy-to-use console. No longer manage the OS, compute, storage, and data protection separately.
- 4 Single patch update:** Save time and minimize risk of patching individual software components. One comprehensive patch updates the entire solution to ensure you are always running the current software versions.
- 5 One point of contact:** Commvault is the single go-to source for problem determination for both operating system and data protection software. Through close relationships with our technology alliance partners, Commvault eliminates the traditional finger-pointing of build-your-own products.

Driving innovation with leading technology alliance partners

Commvault works with eight technology alliance partners to provide you greater choice for your hardware platform. The benefits of choosing your own hardware infrastructure are:

- Leverage existing relationships, including volume purchasing agreements, to maximize your purchasing power.
- Extend your corporate IT hardware standards to data protection and management for greater consistency throughout your environment.
- Use current systems and tool sets for greater staff productivity as they are already familiar with the server and compute hardware.

Today, Commvault works with these leading IT technology companies to deliver Commvault HyperScale Software on their respective compute and storage platforms: Cisco®, Dell Technologies, Fujitsu, HDS, Huawei, Hewlett Packard Enterprise, Lenovo™, and Supermicro.

By leveraging the Commvault HyperScale Software with a Validated Reference Design, you are able to maximize the return on investment from both Commvault and our technology alliance partners. Our joint solutions reduce the complexity, cost, and risk over traditional build-your-own data protection products.

“A big focus for us was storage—we were running out. We effectively cut our storage requirements in half with the efficiencies gained through the use of Commvault HyperScale Software.”

Lisa Arthur Infrastructure Manager | [Case study: 2degrees >](#)

The ultimate flexibility in choosing your Commvault solution

Commvault HyperScale Software with reference design provides over 100 options for choosing the system and its size. Best of all, the system you purchase today, does not dictate how you scale your environment or what you must purchase in the future. You have the freedom of choice from day one and as you grow your environment. Choose from:

- Eight technology alliance partners with 12 different hardware models
- Full or half populated disk drive configurations
- Disk drive sizes ranging from 4 to 12 TB

The benefits of this flexibility is it allows you to:

- Control costs by leveraging existing or new purchasing agreements. Mix and match different hardware vendors and configurations to better control storage costs
- Reduce staff time by eliminating hardware refreshes and forklift upgrades
- Streamline operations by extending corporate hardware standards to secondary storage
- Stay current with technology; introduce new technologies as they become available and you need to grow
- Extend the useful life of the system as a single storage pool; no longer have to replace systems when they reach capacity or create multiple storage pools when adding systems

Two ways to scale your environment: Vertical and scale-out

While scale-out is the primary method for your environment, vertical scaling is an option within each system:

- **Vertical scale:** Start with a ½ populated system and then add additional disk drives as you require more storage. The benefits are the system footprint is already installed, addresses rapid storage growth, and smaller storage and cost increments. Just add more disk drives until the system is fully populated.
- **Scale-out:** Add additional systems (aka blocks) for larger capacity. Each block contains the same size disk drives within it, but different size blocks may be intermixed. Just add more systems to seamlessly expand your storage pool.

Both vertical and scale-out may be used in the same environment. Once a system is fully populated with disk drives (vertical scale), then it is scale-out for additional systems to expand the storage pool. It is that easy.

Taking the guesswork out of configuration and installation

By closely collaborating with our Technology Alliance Partners, Commvault creates best-of-breed solutions that take full advantage of our combined technologies to deliver superior customer value. The results culminate in a reference design to reduce staff time, risk, and complexity while speeding the solution into production. The Reference Design covers the design components of the Commvault HyperScale Software architecture, providing options for purchasing the hardware infrastructure. The document details the Bill of Materials; configuration and component options depending on storage density, metadata, and optional I/O components.

10 benefits of Commvault HyperScale Software with Reference Design

- 1 One platform:** A single, integrated data protection platform to view, move, manage, and protect your data wherever it resides.
- 2 Lower infrastructure costs:** Runs on general purpose storage servers without the need for expensive, proprietary storage. Consolidate legacy backup tools for greater utilization and lower costs.
- 3 Acquisition is a snap:** No need to research individual components or worry about compatibility; a detailed Bill of Materials makes ordering easy and eliminates configuration errors.
- 4 Streamline installation and integration:** All configurations are tested, validated, and optimized for performance. Alleviate the need to integrate and install, test operation, monitor and adjust performance of multiple components.
- 5 Efficient administration:** Quickly monitor performance, set data protection policies, and enable self-service capabilities (or multi-tenancy administration) with a simple, user interface.
- 6 Consolidated patching and updates:** Ensures you are always running the current version for greater feature, functionality, and security. No need to manage multiple software components, or track revision levels of multiple software vendors.
- 7 Scalable and flexible:** Storage pool can start small and expand dynamically. Break the scale-up refresh cycle and put a stop to forklift upgrades.
- 8 Improved reliability and availability:** Always available storage pool that can be upgraded, replaced, or fixed without disruption of services.
- 9 Freedom of choice:** Choose a hardware platform from industry-leading technology partners while avoiding vendor lock-in; gain the best economic value and performance with mix and match hardware models and configuration sizes.
- 10 Simplified support:** Commvault is responsible for supporting all elements of the software stack including the operating system for the storage pools.

“Commvault really shines in terms of the level of integration it offers, its data center consolidation capabilities with scale-out, its ease of deployment, and its ability to connect to and then leverage an ecosystem of cloud providers. Both scale-out capability and cloud connectivity are driven by the software, not the hardware!”

Christophe Bertrand ESG Senior Analyst | [ESG whitepaper: Scalable data protection with the Commvault appliances portfolio](#) >

Protecting your data with a modern infrastructure

Now you have the freedom of choice for designing your data protection on a scale-out infrastructure. The benefits are choosing the hardware configuration sizes and models to meet your needs, leveraging your existing hardware partner relationships for consistency throughout your environment, and tested and integrated configurations to speed implementation, management, and support. With Commvault HyperScale Software with a Validated Reference Design you can build a unified, modern data protection and management platform that delivers greater resiliency, availability, and scale.

Learn more what Commvault HyperScale Software can do for you

Calculate your [Commvault HyperScale™ savings >](#)

[Schedule a demo >](#)

Chat with a [Commvault representative >](#)

Let us free you from the cost and complexity headaches. [Learn >](#)