Blazing Fast Object Storage Meets Best-in-class Data Protection

Comprehensive Protection for Modern Workloads with Limitless Scale

OVERVIEW

As enterprises evolve faster than ever before, traditional data protection solutions struggle to keep up. Workloads are rapidly being moved to cloud-native, SaaS, and containerized apps, while data attacks like ransomware and malware are common events. Legacy appliances aren't agile enough to meet these challenges – their technology lags and their inflexible architectures can't scale to meet performance and capacity demands.

Protect Your Data – Wherever it is – Without Compromise

Many vendors aspire to offer modern data protection solutions with low operational cost but fail upon closer inspection. Backup appliances can offer low-cost entry points to entice new customers, but those savings evaporate quickly when it comes time to scale. Multi-tier solutions that leverage tape for archival require substantial management overhead and longer recovery SLAs that factor in the time needed to locate and transport the corresponding media. Cloud storage is an enticing alternative for some, but often legal/compliance requirements prevent organizations from storing their datasets there. Additionally, the storage costs and network egress fees incurred during data recovery can add up very quickly and offset the perceived cost benefits of cloud storage.

Together Hitachi and Commvault deliver a best-in-class solution for data protection

This validated reference design brings together Hitachi Data Protection Suite (HDPS), powered by Commvault, and Hitachi Content Platform for Cloud Scale (HCP for Cloud Scale). Combining these two technologies results in a highly scalable, flexible, and resilient cloud ready data protection platform to meet your most stringent performance requirements – with a single interface that breaks down those silos and natively manages all of your data, with the same SLAs, from one spot.

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> I like the ways Commvault and Hitachi are working together on hybrid cloud, so I invited them in for testing. This is medical data with strict SLAs so it's critical any system we use is reliable and performs well. We increased restore performance and simplified data management. We can expand in minutes now instead of days and have better ways to protect our data as threats increase.
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> **Bernard Lam**
> Systems Architect,
> HealthPartners

Simplify Data Protection with Scale and Speed

Data protection is considered a security function. In this context, data is treated as a valuable corporate asset that needs to be protected. This protection spans areas like viruses, ransomware, user mistakes, environmental failures, or natural disasters. The most important aspect of this protection is the ability to recover data fast, accurately, and with ease.

Simplify Management

Comprehensive data protection from a single console without connectors or 3rd party rebranded software to navigate. All storage federated and easily managed by the HCP software technology.

An integrated solution that offers greater operational efficiency, simplifying your daily management tasks.

Complete Ransomware Protection

A highly secure framework limits access to backup data while AI-based anomaly detection alerts and remediates when an attack is suspected. Air-gapped copies and WORM/Object locking controls work together to ensure recoverability.

Keep your organization from being disrupted by bad actors and malicious threats. Air-gapped copies mean you're always minutes away from recovery.

Support Modern and Legacy Workloads

Native integration and broad ecosystem support ensure your entire environment is protected.

From databases and hypervisors to emerging technologies like containers and cloud-native services. Hitachi provides unparalleled capabilities so you can manage all your data from a single interface.

Even cloud-native and SaaS apps need to be protected. Eliminate siloed data protection and do it all from a single console.

Scale for Capacity, Scale to Meet RTOs

Microservices-based design with granular scalability for services – performance, scale, compute, or storage. Capacity can be scaled inexpensively and easily with HCP Cloud Scale's ability to federate data across any S3 Storage Service.

Predictable, linear scalability to confidently meet aggressive terabyte-per-hour (TB/h) objectives. Simply add nodes to shrink backup windows and improve RTOs.

Automate SLA-based Data Protection

Define SLA-based policies to simplify backups and automatically keep your workloads and data secure. Advanced dashboards and alerting capabilities make sure you're always aware of the status of your backups.

Automation simplifies how you configure data protection policies across your environment and ensures that no workloads are left unprotected.

## Reduce Hardware Complexity and Cost

HCP Cloud Scale eliminates the need for multiple tiers of storage libraries. Object storage has shaped data protection architectures to no longer require multiple tiers of backup repositories while improving performance, scale, and efficiency.

Enjoy the flexibility and cost-efficiency that a software-based cloud storage solution offers. Avoid storage lock-in and the need to manage both backup appliances and tape.

Scale to Meet Today's Data Protection Challenges

At a time when organizations face significant challenges in how they manage and protect their data across physical, virtual, and cloud environments, one thing is clear – old-school solutions built on legacy hardware no longer meet the demands of modern data protection. Massive data sprawl, mounting threats like ransomware and malware, and emerging technologies like containers and cloud demonstrate the need for a data protection solution that is agile, flexible, and rooted in innovation.

By combining HCP for Cloud Scale and HDPS, scalability and reliability are taken to a completely new level. The flexibility of deployment and ease of scale (for both performance and capacity) allow you to be in complete control of your backup infrastructure and define your SLAs accordingly. Industry-leading backup and recovery capabilities allow you to easily manage data and workloads across on-premises, hybrid, and public cloud environments, giving you the tools necessary to keep your enterprise data secure and recoverable.
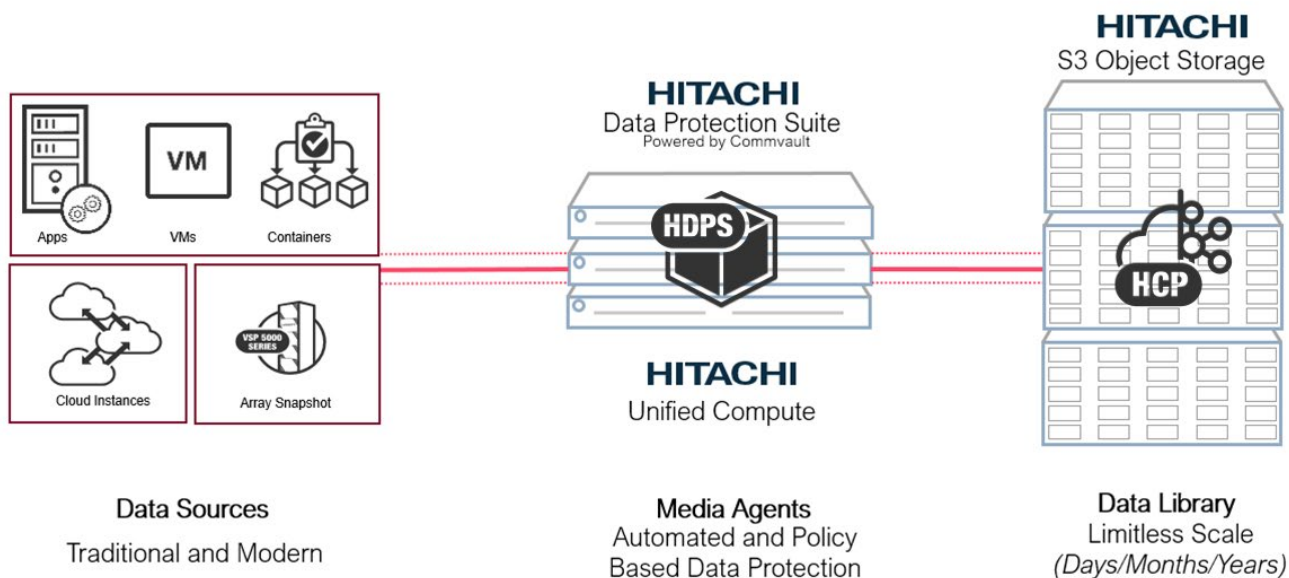
Scale-out Data Protection with Hitachi Content Platform for Cloud Scale and Hitachi Data Protection Suite

Hitachi Vantara