

SOLUTION PROFILE

Data Protection and Cyber Resiliency

Hitachi Content Platform

Hitachi Content Platform (HCP) provides choice and flexibility, enabling you to protect and recover data — no matter what your preferred data protection application is.

Hitachi Content Platform is the world's best cloud object storage solution to optimize your backups, reduce costs, maximize performance, and mitigate risks.

- Backup 30% less data using HCP advanced dedupe and compression to eliminate data bloat.
- Lower total cost of ownership by up to 65% than public cloud.
- Easier to manage one big HCP cluster than multiple backup and file servers.
- HCP can be your backup target and your production storage for file data.

When you combine HCP with your backup provider you gain cyber resiliency

- **Strong Hardening:** Hardening of data at OS, VM, and storage levels with policy triggered Role-Based Authentication (RBAC).
- **Immutable S3 Object Lock:** Write backup data to HCP S3 Object Level locked bucket, making it impossible for any bad actor to delete the backed-up data.
- **Anomaly Scanning and Detection:** Modern backup applications use (AI/ML) processing to detect anomalies. Events such as significant changes in daily incremental backup or a surge of encryption operations trigger alerts to administrators.
- **Malware Scanning:** Once a backup job is complete, the contents are scanned for malware. If any are found the affected host is isolated to a non-production environment.

Built-In Data Security and Privacy

HCP allows you to enhance and extend your cloud environment with ease. Always-on processes ensure data integrity. Erasure coding protection enables fast data set rebuilds.

- **Immutability and Authenticity:** HCP features both compliance and enterprise retention modes. You'll be able to designate namespace as "compliant" to address diverse regulatory environments. Object authenticity is ensured with cryptographic hash at ingest, and storing business-critical data in a WORM (Write Once, Read Many) state to provide needed immutability.
- **Data Privacy and Security:** Hitachi storage systems enable you to implement and manage data-at-rest (DARE) encryption for sensitive data on your storage system. In-line encryption protects objects being sent to public clouds. Configurable roles-based controls enable you to fine tune HCP to meet your particular security requirements. Each access gateway has its own security mechanisms, and an embedded firewall protects all ports not needed for interfaces.
- **Audit and Search:** eDiscovery is made easier with a built-in full context metadata search and indexing mechanism. Audit/log significant events. Take advantage of third-party authored technical compliance validation reports. HCP's advanced destruction/shredding capabilities make it compliant with DOD spec 5520.22-M.



Replicate your way — whether it's a private, public, or hybrid cloud solution.

All the features needed to achieve even the most daunting data protection and cyber resiliency goals:

- Integrates with your existing backup provider.
- Exabyte-scale local storage.
- Object lock immutability and compliance.
- Faster RTO and RPO.
- Data durability.
- Long and short term data retention.
- Data in place upgrades.
- Hybrid tier to public cloud.

Robust data protection

HCP offers multi-level data protection, verification and repair processes, backup-free content preservation and data protection, redundant data and management paths, self-configuring and self-healing, automated enforcement, failover, and integrity checks, encryption of data tiered to clouds, and object versioning, with the following features:

- Replication options.
- RAID or EC for active storage.
- Geo-dispersed erasure coding.
- Data Protection Levels (DPL).
- Global active topology.
- Zero copy failover.
- Read from replica.
- Metadata protection levels.
- Autonomic tech refresh.
- Seamless app failover.
- Index Protection.

ABOUT HITACHI VANTARA

Hitachi Vantara, a wholly-owned subsidiary of Hitachi Ltd., delivers the intelligent data platforms, infrastructure systems, and digital expertise that supports more than 80% of the Fortune 100. To learn how Hitachi Vantara turns businesses from data-rich to data-driven through agile digital processes, products, and experiences, visit hitachivantara.com.



Corporate Headquarters

2535 Augustine Drive
Santa Clara, CA 95054 USA
hitachivantara.com | community.hitachivantara.com

Contact Information

USA: 1-800-446-0744
Global: 1-858-547-4526
hitachivantara.com/contact

65% ↓

Lower total cost of ownership (TCO) than public cloud alone

Hitachi Content Platform's active data protection reduces the backup burden

When its security and data protection capabilities are combined, HCP provides an unrivaled level of data resiliency that is so strong that it enables many users to reduce — or else completely eliminate — traditional backup costs and burdens.

- HCP offers 15 nines of data durability: Each data fragment can survive the simultaneous loss of six drives.
- HCP offers 10 nines of accessibility: Public clouds only offer 4 nines, or about 53 minutes of downtime a year.
- Two copies of all metadata.
- Customer-configurable redundant local object copies.
- Content validation via hashes and automatic object repair.
- Replication — Offsite copies with automated repair from replica.
- Object versioning — Protection from accidental deletes and changes.

The bottom line: HCP makes your data SAFER

- **Scalable:** Stay ahead of data growth.
- **Affordable:** Reduce overall costs.
- **Fast:** Fulfill SLAs for RPO/RTO.
- **Easy:** New capabilities for existing tools.
- **Reliable:** Recoverability and cyber-resiliency.

Learn More →

Hitachi Content Platform's
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