

Choose Hitachi Content Platform to:

- Control data mobility across private and public clouds.
- Sync and share data across offices and devices.
- Reduce backup via built-in data protection.
- Support archival for compliance and content preservation.
- Gain insight from a best-in-class metadata architecture.



Hitachi Content Platform: Enterprise-Class, Backup-Free Cloud and Archive

Unstructured data growth, application proliferation and increasing variation in data types continue to accelerate. These developments, combined with the limitations of traditional file storage systems lead to increased server and storage sprawl, with numerous silos of infrastructure supporting different workloads.

Hitachi Content Platform is an object storage solution that enables IT organizations and cloud service providers to store, share, sync, protect, preserve, analyze and retrieve file data from a single system. It is more efficient, is easier to use, and can handle much more data than traditional file storage solutions. Content Platform automates day-to-day IT operations like data protection and readily evolves to changes in scale, scope, applications, storage, server and cloud technologies over the life of data. In IT environments where data grows quickly or must live for years, decades or even indefinitely, these capabilities are invaluable.

Hitachi Content Platform eliminates the need for a siloed approach to storing unstructured content. The platform provides massive scale, multiple storage tiers, powerful security, Hitachi reliability, cloud capabilities, broad protocol support, multi-tenancy and configurable attributes for each tenant. It can support a wide range of applications on a single physical cluster

and is backed by a thriving community of 3rd-party software partners. With access to a robust ecosystem of cloud applications, Hitachi Content Platform can solve a wide range of current problems and adapt to meet future needs.

Flexible, Enterprise-Class Cloud

Hitachi Content Platform multi-tenancy divides the physical cluster into a variety of tenants. These tenants can be further subdivided into tens of thousands of namespaces for additional organization of content, more refined policies, and robust access control. Openness is also a hallmark of Content Platform. It has a powerful REST-based interface as well as an S3-compatible interface, permitting seamless WAN or LAN access to Web 2.0 and mobile applications. Further, it supports the NFS, SMB, SMTP and WebDAV protocols, and offers dual-stack support for IPV4 and IPV6. The platform can handle all kinds of data and almost any application. It offers high reliability, massive scale, seamless data mobility and storage across private clouds and public cloud services, encryption, access control, easy provisioning, chargeback measurement and more. These attributes enable IT to take advantage of cloud and deliver a whole new range of IT services, without compromising security and control of information.

Efficient, Backup-Free Archive

Hitachi Content Platform enables your IT organization to protect, preserve and retrieve data in a more efficient manner, without the need for tape-based backups. The high density of Content Platform storage is enhanced with built-in compression, single instancing and support for a variety of media keep storage costs in control. With dynamic data protection, data integrity checks, data retention enforcement and many other technologies to preserve and protect content, Content Platform delivers compliance-quality data protection. It eliminates the need for tape-based backups.

Intelligent Structure for Unstructured File Data

Hitachi Content Platform enables trusted content mobility with full visibility of all the control points where data enters, exits and exists across a global IT landscape. It optimizes cost by providing the flexibility to maintain your critical data securely behind the firewall. It automatically moves content based on its business value or your storage-related service level agreement to the most appropriate cloud storage tier, including Amazon S3, Microsoft® Azure and Google Cloud Storage. The separation of data from applications and storage media enables content to provide useful

information, now and long into the future. With Content Platform, you have access to metadata and content search tools that enable more elegant and automated queries for faster, more accurate results. Through these features you can gain a better understanding of the content of stored files, how content is used and how objects may be related to one another. This understanding can help you to enable more intelligent automation, along with big data analytics based on a best-in-class metadata architecture.

Hitachi Content Platform provides more capabilities, flexibility, configurability and input options for you to take advantage of cloud in your own way. You can efficiently store, protect, preserve, manage and share information. It brings structure to unstructured data and simplifies management via automation to ensure efficiency, reliability, data mobility and accessibility of your organizations' data. With Content Platform you can not only address today's challenges around storing and protecting data, but also set yourself up for the next big thing.

TABLE 1. HITACHI CONTENT PLATFORM SPECIFICATIONS

	Hitachi Content Platform (HCP) Line Card				
	HCP 300	HCP 500	HCP 500XL	HCP 500 XL 10GbE	HCP for VMware vSphere-ESXi
Capacity	4TB -130TB (DPL2), 8TB - 215TB, (DPL1)	18TB - 5PB	20TB - 80PB	20TB - 80PB	4TB - 4.7PB
Nodes	4 - 20	4 - 80	4 - 80	4 - 80	4 - 40
CPU	1 x 6 Core	2 x 6 Core	2 x 6 Core	2 x 6 Core	8 x vCPU
Minimum Memory	32GB	32GB	32GB	32GB	32GB
Maximum Memory	96GB	256GB	256GB	192GB	256GB
Front-End Ethernet	2 x 1GbE	2 x 1GbE	2 x 1GbE	2 x 10GbE	2 x pNIC
Back-End Fibre Channel	N/A	2 x 4Gb	2 x 4Gb	2 x 8Gb	2 x pNIC
Internal Hard Disk Drive (SATA II)	6 x 3.5" (500GB/ 1TB/2TB)	-	5 x 2.5" (500GB)	5 x 3.5" (500GB)	N/A
SAN or Array Attach	No	Yes	Yes	Yes	Yes – Shared SAN
Spin-Down Disk	No	Yes	Yes	Yes	No

Hitachi Content Platform Implementation Service

The Hitachi Content Platform Implementation Service provides a professional and expeditious fixed-content, active-archiving implementation of Hitachi Content Platform. The service provides a path mount point to the independent software vendor (ISV) application server or servers. It ensures basic testing of the archive for data ingestion, data retention settings, and data deletion. Hitachi Data Systems consultants provide knowledge transfer to help your organization effectively manage the solution after completion

of the service. In addition, the service accelerates your ability to use the solution immediately and realize a rapid return on investment. It improves the quality and management of unstructured content, and provides you with a basic, high-level overview of data replication and data protection for Hitachi Content Platform.

File and Content Services

Hitachi Data Systems can help you address data growth challenges,

managing unstructured data throughout its lifecycle and enabling cloud and converged infrastructure strategies. In addition to the implementation service, Hitachi Data Systems offers **Hitachi Content Platform Replication Service** for single or bidirectional replication configuration between 2 Content Platforms. It tests the replication for data ingestion, and provides ongoing knowledge transfer to help you effectively manage the solution after completion of the service.

Hitachi Data Systems

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