



## Choose Hitachi Content Platform to:

- Control data mobility across clouds and storage tiers.
- 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, easier to use, and capable of handling 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, multitenancy 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 multitenancy divides the physical cluster into a variety of tenants. These tenants can be assigned to different IP networks and further subdivided into 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 native REST-based interface as well as S3-compatible and OpenStack Swift-compatible interfaces, permitting seamless WAN or LAN access for new and existing 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. Less frequently used content can be tiered to Hitachi Content Platform S series nodes, which provide cost-effective storage for content that must remain on-premises.

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 to keep storage costs in control. With dynamic data protection, data integrity checks, data retention enforcement, erasure coding 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 business value or your storage-related service level agreement to the most appropriate storage tier. For example, content can be moved to Hitachi Content Platform S series nodes or cloud storage

services, 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.

## Hitachi Content Platform Implementation Service

Hitachi Data Systems provides consulting, implementation, migration and replication services to help you bring the benefits of Hitachi content solutions to your business-driven IT environment. We can help you address data growth challenges, manage unstructured data throughout its lifecycle, and enable mobility, cloud and converged infrastructure strategies. In addition to the implementation service, we offer complementary services such as Hitachi Content Platform Replication Service for single or bidirectional replication configuration between 2 Content Platforms. Hitachi Content Platform Migration Service also helps you efficiently and securely migrate data and take advantage of the newest Content Platform capabilities.

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	HCP S10
<b>Capacity</b>	4TB -130TB (DPL2), 8TB - 215TB, (DPL1)	18TB - 5PB	20TB - 80PB	20TB - 80PB	4TB - 4.7PB	112TB - 18 PB
<b>Nodes</b>	4 - 20	4 - 80	4 - 80	4 - 80	4 - 40	1 - 80
<b>CPU</b>	1 x 6 Core	2 x 6 Core	2 x 6 Core	2 x 6 Core	8 x vCPU	2 x 6 Core
<b>Minimum Memory</b>	32GB	32GB	32GB	32GB	32GB	64GB
<b>Maximum Memory</b>	96GB	256GB	256GB	192GB	256GB	64GB
<b>Front-End Ethernet</b>	2 x 1GbE	2 x 1GbE	2 x 1GbE	2 x 10GbE	2 x pNIC	4 x 10GbE 4 x 1GbE
<b>Back-End Fibre Channel</b>	N/A	2 x 4Gb	2 x 4Gb	2 x 8Gb	2 x pNIC	N/A
<b>Internal Hard Disk Drive (SATA II)</b>	6 x 3.5" (500GB/1TB/2TB)	N/A	5 x 2.5" (500GB)	5 x 3.5" (500GB)	N/A	60 x 3.5"
<b>SAN or Array Attach</b>	No	Yes	Yes	Yes	Yes – Shared SAN	No
<b>Spin-Down Disk</b>	No	Yes	Yes	Yes	No	No

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**Corporate Headquarters**  
2845 Lafayette Street  
Santa Clara, CA 95050-2639 USA  
www.HDS.com community.HDS.com

**Regional Contact Information**  
**Americas:** +1 408 970 1000 or info@hds.com  
**Europe, Middle East and Africa:** +44 (0) 1753 618000 or info.emea@hds.com  
**Asia Pacific:** +852 3189 7900 or hds.marketing.apac@hds.com