

## Hitachi Content Platform



Hitachi Content Platform is an object storage system that provides massively scalable, highly reliable, extremely efficient and easy-to-use storage for consolidating, automatically managing and preserving content. It supports ever-growing unstructured data by automating operations to reduce complexity and ease the burden on IT budgets.

## Stay Agile as Demands on IT Grow in Scope, Complexity and Cost

### Object Storage

Hitachi Content Platform is an object storage system that stores files and associated metadata (information about the file) as an object. Hitachi Content Platform enables IT organizations and cloud service providers to store, protect, preserve and retrieve unstructured content from thousands of tenants with a single storage platform. It supports multiple levels of service, evolves with technology and scale changes, and eliminates the need for tape-based backups. It readily evolves with changes in the scale, scope, application, storage and server technologies over time. Old storage can be replaced with new storage automatically, enabling smooth scaling from terabytes to petabytes without disruption. With many applications in clouds, content depots, archives and other systems where data must live for decades, centuries or indefinitely, these capabilities are invaluable. With a vast array of data protection and content preservation technologies, the system can eliminate the need for tape-based

backups of itself or of edge devices connected to Hitachi Content Platform. No other object storage solution can offer this level of maturity today.

Most significantly, Hitachi Content Platform eliminates the need for a siloed approach to storing unstructured content. Thanks to its massive scale, multiple storage tiers, Hitachi reliability, cloud capabilities, multitenancy and configurable attributes for each tenant, the platform can support a wide range of applications on a single physical cluster. By dividing the physical cluster into multiple, uniquely configured tenants, administrators create “virtual content platforms” that can be further subdivided into tens of thousands of namespaces for additional organization of content, policies and access control.

### Highly Reliable

Hitachi Content Platform enables IT organizations to protect, preserve and retrieve data without the need for tape-based backups. The system itself employs RAID-6 erasure coding, multiple dynamic data

protection levels, data integrity checks and many other technologies to preserve and protect content. With the added protection of multiple replication schemes as well as support for spin-down disks, retention of previous versions of content, metadata and content search tools and a browsable interface for self-service recovery, the platform makes tape-based backups and recovery unnecessary, although they are supported. Organizations with distributed locations can connect Hitachi Content Platform to remote and branch offices via Hitachi Data Ingestor to deliver bottomless, backup-free storage. Cloud service providers can offer the same to their customers and take advantage of automation and operational efficiencies to improve their bottom line.

### Massively Scalable and Extremely Efficient

Unstructured data growth, application proliferation and increasing variation in data types continue to accelerate. This leads to

increased server and storage sprawl with numerous silos of infrastructure supporting different workloads. Hitachi Content Platform provides a massively scalable, multitenant object storage environment. It provides the security and broad support needed to enable organizations to gain the benefits of archiving, backup reduction, cloud, consolidation and more without compromising security or completely rewriting critical applications. Because different attributes (retention, indexing, replication) can be assigned to different namespaces, it can easily address a number of different use cases from a single object storage system. The high density of Hitachi Content Platform, over 400 million objects per node, means it takes up less floor space and needs less power and cooling. Making optimal use of storage capacity, Hitachi Content Platform provides compression and single instancing, while it supports spin-down disk and thousands of unique workloads in

a single system. It spreads the cost of the object storage purchase across numerous applications and workloads. Hitachi Content Platform is an ideal storage solution for enterprise or cloud environments looking for ways to improve efficiency.

### Supremely Flexible

Hitachi Content Platform enables creation of an agile content environment that scales easily, suffers no disruption from hardware or software upgrades and can automatically transition workloads and content to new storage and server technologies. It enables the true separation of data from applications or storage media so that the content can provide useful information now and long into the future. With Hitachi Content Platform, organizations have visibility and search tools for content as well as the metadata that is associated with it. This provides IT with the ability to understand the content that is stored, allowing more intelligent automated

tiering, governance and compliance policy enforcement, and an overall improvement in business process. Users, applications and developers can access these capabilities through HTTP/REST, NFS, CIFS, SMTP and more. Backed by a thriving community of 3rd-party software partners, Hitachi Content Platform can solve a wide range of current problems and adapt to meet future needs.

### Summary

Hitachi Content Platform provides the features and functionality to improve the delivery of a wide range of IT services in enterprise IT or cloud settings. An intelligent, multipurpose object storage system, Hitachi Content Platform helps IT organizations change the way they think about, use, deploy, scale and back up disk-based systems to store, protect, preserve and retrieve unstructured content.

## BENEFITS OF THE HITACHI CONTENT PLATFORM

- **Content Preservation**
  - Store, retrieve and manage the lifecycle of data for long-term storage for corporate governance.
  - Protect and secure content for long-term preservation; content is continually checked throughout its retention period for integrity.
  - Aggregate content from a variety of sources, including file servers, email and collaboration tools such as Microsoft SharePoint.
  - Grow business horizontally to support multiple applications and content types and scale vertically to support continued data growth.
- **Data Protection**
  - Leverage advanced replication, erasure coding and edge device integration to ensure collection and protection of content.
  - Select the right level of protection with dynamic data protection levels.
  - Locate the right information with ease thanks to metadata query tools, versioning and full content search.
  - Move data protection or deep archive copies to spin-down disk or make tape copies if desired.
- **Cloud**
  - Employ a single, multipurpose, unstructured data platform for archive, cloud and backup capabilities.
  - Monitor and report on storage and bandwidth use for chargeback.
  - Employ user tools as well as application and management interfaces for cloud and distributed environments.
  - Service providers can offer bottomless, backup-free storage to customers via Hitachi Data Ingestor.
- **Content Distribution**
  - Connect multiple, distributed sites to a centralized content repository.
  - Share content from one edge location to another via Hitachi Data Ingestor.
  - Control data placement and distribute content to appropriate audiences.
  - Provide bottomless, backup-free storage to branch and remote offices via Hitachi Data Ingestor.



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