

Hitachi Content Archive Platform

Providing accessibility and management of fixed content required to meet long-term preservation and retention policies, the Hitachi Content Archive Platform is a highly scalable, reliable and affordable active archive storage solution.

Fixed Content Archive Solutions in a Crowded Digital World

Digital fixed content being created today is increasing at an almost exponential rate, making archiving a high priority for most organizations. A ripple effect is often seen as organizations “throw more servers and storage nodes at the problem.” In the end, the cost of storage, backups and management climb in concert to meet this demand. All this is compounded by the increasing pressure to meet corporate governance guidelines and reduce the risk of audits related to government regulations regarding long-term data and records retention.

Examples of mission critical, fixed content data could include inactive corporate documents or financial records, seldom accessed customer records such as monthly phone bills or check images, medical records and

images, or simple e-mail messages needed for legal discovery.

The Hitachi Content Archive Platform is a cost-effective solution designed to answer all of these challenges. This robust “active archive” retains and authenticates fixed content data while scaling and optimizing performance and availability to handle extensive growth. The Content Archive Platform moves inactive data from expensive higher storage tiers, reduces backup windows, improves response time and meets both corporate governance and regulatory compliance objectives.

Business Benefits

Preserve and Retain Fixed Content Data

- Provides an “active archive,” scanned images, documents, engineering specs, spreadsheets, database records, A/V files, and all other fixed content data types

Business Solutions

Hitachi Data Systems and its Hitachi TrueNorth Channel Partners offer industry-leading solutions to help organizations of all sizes meet their unique requirements for business continuity, regulatory compliance and data recovery. Together, we provide cost-effective storage products and solutions that leverage world-renowned Hitachi global R&D resources to deliver performance, availability and scalability — supporting business critical applications and strengthening competitive advantage.

Services

Hitachi Data Systems Global Solution Services (GSS) can help organizations of all sizes design and implement the optimal Hitachi Content Archive Platform configuration to meet specific business and application requirements. Choose from GSS design and implementation services that support the Content Archive Platform and the entire suite of Hitachi storage products.

- Provides a long-term archive platform for policy-based migration of inactive or older data from existing tiered storage, thus reducing backup windows and the total cost of backup
- Enables strict adherence to corporate retention policies and processes, to prevent accidental record deletion prior to data retention end-date as set by corporate policy and/or government regulations
- Reduces content retrieval time for e-discovery and audits

Hitachi Content Archive Platform: Available Solutions

	300 Series	500 Series
System Architecture	RAIN	SAIN
Scalability	2TB, 4TB or 8TB usable configurations	Scales from 9TB to 20PB usable configurations
System Overview	RAIN architecture provides embedded storage per node in affordable configurations that meet mid-market archive requirements	Offers maximum flexibility, performance and scalability for enterprise archive requirements Available in predefined appliance or with ability to leverage pre-existing Hitachi storage installations
Supported Hitachi Storage Platforms	Embedded storage within the Hitachi Content Archive Platform 300 appliance	Hitachi Universal Storage Platform™ V Hitachi Universal Storage Platform Hitachi Adaptable Modular Storage Hitachi Workgroup Modular Storage

Feature Highlights

Feature	Feature Description	Hitachi Content Archive Platform 300	Hitachi Content Archive Platform 500
Application Interfaces	Standard file system interfaces and protocols for application integration — no proprietary API required Supported Protocols include HTTP(S), WebDAV, SMTP, NDMP	✓	✓
High Availability and Data Protection	Data Protection Levels (DPLx) ensure specified number of replica copies are maintained to tolerate simultaneous points of failure	DPL2	Multiple DPL Levels Available
Retention Periods	Enforces application defined retention — prevents premature deletion of archived files based on file-level settings	✓	✓
Data Shredding	Ensures no trace of file is recoverable from disk after deletion Complies with US DoD 5520-M spec	✓	✓
Encryption at Rest	Enables choice of encryption level	Custom Request for Price Quotation Service at Install	✓
Multi-application Support for Simultaneous Archiving of Data	Single global name space — enables multiple applications to target Hitachi Content Archive Platform	✓	✓
Data Authenticity	Policy-based object management guarantees archived data is authentic, available and secure using selectable hash algorithms Guards against corruption or tampering	✓	✓
De-duplication	The Hitachi Content Archive Platform not only compares HASH generated fingerprints but also does a binary compare of the contents of the object for guarantee of duplicity	✓	✓
Support for Custom Metadata	Providing meaningful customized metadata to archived data provides a level of control for faster and more accurate access of content	✓	✓
Optional Features			
Search	Product Option: provides full text and metadata search on all data, metadata and custom metadata		✓
Object-based Replication	Optional: allows folder-level replication of objects	✓	✓

- Ensures the authenticity of content at the time it is archived by creating a unique digital signature and matching it when the content is retrieved
- Enables policy-based data migration through seamless integration with Hitachi Data Systems tiered storage solutions
- Simplifies archive management and administration through self-management features and allows storage nodes to be added or removed online without disruption or downtime
- Ensures high availability through both Redundant Array of Independent Nodes (RAIN) configuration and SAN-attached Array of Independent Nodes (SAIN) architectures that provide node and path failover and offer multiple data protection schemes to meet a host of customer specifications
- Optimizes performance by distributing data evenly for I/O workload balancing

Meet Governance and Compliance Requirements

- Automates archiving procedures through policy-based management
- Sets and enforces data retention periods to provide disk-based “write once, read many” (WORM) capability
- Authenticates content preservation via digital signature or hash algorithms
- Hitachi Content Archive Platform 500 supports full-text index, search and retrieval across content objects in the archive, auditing and legal discovery-based archives.

Optimize Performance and Availability

- Protects data in unaltered form through file authentication, retention and logging

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DS-033-B DG June 2008