

The Hitachi Content Platform and Hitachi Data Archiver Software

Enterprises challenged with managing high growth of both semi-structured data like email and unstructured data like files, need to deploy data management solutions that are cost effective and support compliance and corporate governance requirements. Hitachi Data Archiver software paired with Hitachi Content Platform creates the solution.

Control Content, Improve Regulatory Compliance and Support Litigation Readiness

Hitachi Data Archiver software — part of the Hitachi Data Protection Suite, powered by CommVault® — and the Hitachi Content Platform together enable organizations to gain better control over their content while improving regulatory compliance and litigation readiness.

Data Management Challenges

As enterprise data volume grows, so do the infrastructure costs, the complexities of maintaining compliant records, the redundancies in storage, the performance drops in primary storage and the difficulties in implementing a tiered storage solution leveraging lower cost systems.

In addition, most enterprises are governed by regulations that require the stringent management of records and robust protection of certain critical data.

All of this is compounded by the existence of silos of applications and infrastructure, which make it difficult to consistently manage different types of content (email messages, files, images, etc.) according to consistent policies across the enterprise.

Finally, high performance primary storage may be consumed by fixed, unchanging content, causing slowdowns in daily backups and making the cost of infrastructure rise rapidly.

What Is the Solution?

Hitachi Data Archiver software is a hierarchical data management solution that reclaims valuable primary storage space by automatically moving data to secondary storage tiers, such as archive tiers. It provides transparent access to end users, who can see and recall migrated files by selecting them from the file system. Using Data Archiver, administrators can efficiently redistribute their file stores across storage tiers.

Data Archiver migration policies are unique compared to traditional solutions because they work inside existing file system directory structures. Data can be migrated directly from its original location rather than moving it first to media staging folders. The remaining “stub” also retains security properties of the original file. Organizations can classify data by application, plan its lifecycle over time and assign the most

appropriate and cost effective storage resources.

Data Archiver offers modules for both email and file archiving that extend beyond simple migration to support compliance requirements via full text index and search — critical for e-discovery — as well as managing retention of content.

The Hitachi Content Platform enforces the retention at the storage layer and provides a robust archive storage layer that matches the growth needs of enterprises over time. Hitachi Content Platform provides many layers of protection to ensure that content does not change over time, including “write once, read many” (WORM) protection, up to four copies of data, robust RAID-6 at the storage layer and remote replication.

Unlike network attached storage (NAS), which was not designed with long term archival use in mind, Hitachi Content Platform offers proactive authentication, an integrated “metadata+content” model and scalability to petabytes in a single archive. Unlike tape, Hitachi Content Platform offers fast data retrieval and ensures preservation over time.

The combination of Hitachi Data Protection Suite software and the Hitachi Content Platform creates a highly scalable, unified solution that transparently migrates data between storage tiers and provides fast, online access to content across a range of operating environments and applications.

Hitachi Data Protection Suite software includes data protection, archive, replication, resource management and search features designed to work together seamlessly, sharing a single code and common function set. This exclusive single platform architecture enables unparalleled software efficiency, performance and reliability for unprecedented control over data growth, costs and risk.

Hitachi Content Platform is a robust object storage solution that enables effective long term, fixed content data preservation. Designed to seamlessly integrate into an existing enterprise storage infrastructure, the high performance, high availability, highly scalable archiving solution satisfies an organization's regulatory compliance requirement by ensuring the secure, long term preservation and fast search and retrieval of valuable business records.

Solution Benefits

- Transparently migrate data from primary to archival tier — reduces storage cost with no user disruption
- Serve multiple applications or operating systems in a single solution — email, collaboration, file system and NAS

SOLUTION HIGHLIGHTS

- Single solution for different archival needs — files, Microsoft® Exchange, IBM® Lotus, Microsoft SharePoint® and Novell GroupWise
- Highest performance — tight integration between Hitachi Data Protection Suite's Data Archiver software and the Hitachi Content Platform ensures no bottlenecks during archiving process
- Massive scalability — up to 40PB of capacity in a single cluster, global namespace across archive infrastructure; no “containers” limiting scaling
- Support for various regulatory (SEC 17a-4, HIPAA, Sarbanes-Oxley, Federal Rules of Civil Procedure, etc.) requirements
- Full text indexing capability for fast search and retrieval of information across different data types and tiers
- In-depth messaging classification capabilities for compliance audit trails and litigation queries
- WORM — immutability for all data
- Encryption of data at rest for extra sensitive data
- Native format storage of messages and file storage for efficient search and guaranteed longevity of information

- Reduce backup windows — migrates stale data off primary storage
- Employ unified management of backup, recovery and archival — reduces management costs
- Rely on high performance and scalability — grows with enterprise, provides fast return on investment (ROI)
- Use robust authentication — guarantees authenticity of content
- Set maximum data protection — offers optional encryption, built-in resilience
- Employ retention policy creation and enforcement at the storage layer — assists with compliance requirements
- Enjoy support on full range of Hitachi storage — saves money by leveraging existing investments

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