

Hitachi Data Discovery Suite

The Hitachi Data Discovery Suite simplifies cross-platform search and intelligent file tiering for Hitachi NAS Platform, powered by BlueArc®, the Hitachi Content Platform, Microsoft® Windows® file servers and NetApp devices. Its single user interface provides faster productivity and business competitiveness. It also supports proactive e-discovery and identification of content for compliance and governance.

Enable Scalable, Intelligent File Access and Management

Organizations can now quickly and easily search, access, view and act on information like never before. Hitachi Data Discovery Suite (HDDS) provides a cross-platform full text search and e-discovery solution that allows organizations to intelligently discover and manage their data and ensure that it is kept relevant to current business needs. With HDDS, administrators can immediately and efficiently address challenges associated with data access through comprehensive user control features. They can reduce storage costs by deploying intelligent file tiering strategies to cheaper storage or by leveraging existing storage investments. This suite also helps administrators reduce backup and recovery time and workload, and proactively prepare for litigation and compliance issues.

"One Search" Spans NAS, Archive Storage and Windows File Servers

Hitachi Data Discovery Suite provides comprehensive content integration that goes beyond simply accessing the data. Users can share results, save queries, set retention, migrate data to alternate media and take other meaningful actions. For example, a user may finalize a project and want to archive associated files.

The user can select date ranges and key words within the content of the files and file types, and tune the results to include only the final versions of files. The user can then define a schedule to migrate the files into archive media at a given date and time.

With this solution, end users gain the flexibility to access multiple data sources, including email archives and snapshots or versions from remote locations. Access to sources is made with a single query from a single user interface with indexing and federated search.

From an end user and administrative perspective, HDDS provides storage transparency and flexibility. Users search, access and retrieve assets without being aware of the physical locations and storage media on which the assets reside. This transparency enables the HDDS to control intelligent file tiering on Hitachi NAS Platform (HNAS), Hitachi Content Platform (HCP) and Windows file servers. It selects files based on the metadata and content, and allows the movement of chosen files among tiers of storage and archive media. These actions reduce the overall cost of storage and free up high performance storage media.

From a corporate perspective, powerful HDDS data management tools can be used to improve productivity, reduce operating costs and help proactively prepare for e-discovery situations. Users are able to reduce help desk workload by providing self-service restore and cross-platform search and retrieval capabilities. This empowers general users as well as compliance and legal teams to dramatically reduce the cost, time and complexity of search, compliance and e-discovery. At the same time, they can ensure that information is routed to authorized users for further processing.

In addition to the specific search and data management features, HDDS also provides advanced storage management tools. These enable organizations to use a flexible and extensible file metadata model to assign data to the most appropriate media: online, nearline or archive. This increases the overall storage environment efficiency with reduced backup times, faster retrievals and less duplication of data.

The HDDS can also be controlled by third-party and custom applications to include HNAS, HCP, Windows file server and NetApp data in larger enterprise content management solutions. This helps administrators to address

the longstanding problem of searching the content stored in NAS devices as an extension of existing content management tools.

The current entry-level model can be either one node with 2.6TB for the index (per node) of direct attached storage or two node pair using 5.2TB of SAN storage for index capacity. You can leverage the existing SAN storage for this purpose. Each HDDS node can support up to 60 million indexed objects.

Business Results: Optimized Information Management

The Hitachi Data Discovery Suite, an easy-to-use, enterprise-wide, search and retrieval solution for improved decision making and regulatory compliance, allows end users and organizations to:

- Employ “one search”: improve productivity with fast and easy enterprise-wide indexing and search for Hitachi storage and multiple Hitachi Content Platform cluster environments.
- Take action on search results: go beyond simply accessing the data.
- Migrate data among classes of storage based on file content, not just file metadata characteristics, such as size or last access.
- Reduce backup and restore times by easing the replication burden.
- Reduce help desk data retrieval demand.
- Ensure proper long-term retention and disposal according to legal or business practices with automated migration of data from HNAS to the HCP.
- Ensure proper data stewardship and promote data privacy with directory service integration to let end users search for data they have permission to view.
- Assess and mitigate risk in file storage practices.
- Reduce the need for IT staff to learn new APIs for content management integration with one single interface.

FEATURE HIGHLIGHTS

- *Exclusive Search Product for Hitachi Content Platform* provides deep solution integration.
- *E-discovery* allows collection per custodian and export with a manifest to early case assessment or litigation tools.
- *Content Index and Search of NetApp Devices Running ONTAP 7.3* and Windows File Servers adds to existing support for Hitachi NAS Platform and HCP.
- *Intelligent File Tiering* is based on metadata and content search results.
- *Information Discovery* finds the right information at the right time, based upon user need. (For example, HCP supports custom metadata, which a hospital may include as a part of a patient’s health records. The metadata may include patient age, sex and disease diagnosis and classification. Hitachi Data Discovery Suite search for HCP could identify relevant disease classification records for research or educational purposes.)
- *Highly Efficient, Indexing Technology* enables incremental updates to ensure indexes are up to date with minimal impact on production systems.
- *Integrated Access Control* supports Microsoft Active Directory and LDAP.
- *Migrate* objects into the HCP for true long-term storage, potentially without the need for recurring tape backups.
- *Third-party and Custom Application Integration* enables other applications to leverage the indexes and features of HDDS.
- *Simplified Management* integrates with Hitachi Device Manager, which can monitor HDDS.
- *Support for Remote Authentication Dial-In User Service (RADIUS) Servers* registers administrative authentication.
- Migration supports migration of files to HCP via HTTP.
- *Support is provided for third-party certificate from CA (Certificate Authority).*

- Easily control end user access to data with support for Microsoft® Active Directory® and LDAP on the same node.
- Streamline e-discovery and compliance procedures with repeatable processes and audit logs.
- Reduce the cost of e-discovery and litigation with federated search and information repurposing.
- Lower risks with visibility to IT organization’s legal exposure with risk assessment tools.
- Enable third-party and custom applications to use the content indexes and data management features of the HDDS.

Meet Compliance Objectives, Respond to E-discovery Events

The Hitachi Data Systems Global Solution Services (GSS) team can help implement a robust methodology for addressing organizational e-discovery and e-retention management compliance challenges. GSS provides custom assessment, planning and design, and implementation services for the Hitachi Data Discovery Suite software, allowing organizations to balance increasing volumes of data with shrinking IT budgets and build an effective content management program.

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