



OVERVIEW

## Long-Term Retention Solutions

### Why Repeatedly Back Up Data That Doesn't Change?

At some point, almost all data files stop changing. At that point, it doesn't make sense to keep spending personnel, compute, storage, networking and other resources to keep backing it up. It makes much more sense to automatically move those files, based on business-defined rules, to a self-protected object store that provides fast and easy access when a file is needed.

Those same rules can define retention and expiration periods, helping to meet compliance and business governance mandates.

### IT Strategies To Simplify

Employ a few simple IT strategies to significantly simplify your IT environment and reduce costs. Our “archive more, back up less” strategies help to ensure you have the right infrastructure to scale for the future while managing and governing information throughout its life cycle. Our integrated portfolio of products:

- Lets you move from costly silos to a more efficient environment that is easy to use, reduces costs and is cloud-ready.
- Supports intelligent policy-based tiering to lower-cost media plus efficient search and discovery tools.
- Leverages Hitachi storage for quality, availability and reliability, with advanced data protection capabilities spanning the portfolio.
- Works with a broad range of third-party technology partners that leverage the power of Hitachi in their solutions.
- Supports multiple protocols, industry standards and applications.

### Cost-Effective Email Archiving for Microsoft® Exchange

Corporate email is an example of digital documents that do not change after their initial use. However, to meet data governance and, in some industries, regulatory compliance requirements, digital documents such as email must be retained for some period of time.

The volume and velocity of corporate email continues to grow exponentially. For IT and email administrators to keep costs under control, they have to compromise on user needs. The “fix” in most organizations is to enforce mailbox quotas, which results in users being locked out of sending new email until they can delete or archive enough messages to fall below the threshold again. Welcome to “email jail.”

While this approach can slow the growth of email storage and management, it can also have unintended consequences. If you force users to indiscriminately delete their emails, often in a frenzy in order to get back to doing real work, they will often delete information that will be needed by the organization at some point in the future. This can put the organization out of compliance with email retention requirements.

The solution is to define and enforce policies for email retention and deletion that meet the combined needs of end users, the business, auditors and regulators. This approach takes the management of email out of the hands of your users and centralizes control where it belongs: in IT, with a cost-effective email archiving solution.

To solve this problem, Hitachi Data Systems offers the combination of [Hitachi Data Instance Director](#) (HDID) and [Hitachi Content Platform](#) (HCP) (see Figure 1). HDID provides an easy-to-use policy management interface for defining what to archive, when to archive it and how long to retain it.

Hitachi Content Platform is the perfect repository for archived email messages, attachments and other objects. It grows as you grow, and it self-protects the data you send to it. HCP has powerful metadata index and search capabilities, which make finding and recalling archived data (including email objects) much easier.

Hitachi Content Platform is the perfect repository for archived email messages, attachments and other objects. It grows as you grow and it self-protects the data you send to it. HCP has powerful metadata index and search capabilities, which make finding and recalling archived data (including email objects) much easier. HCP also sends retrieved emails to the original mailbox or a different Exchange host. In addition, it packages them up in a PST file, which helps in legal discovery and auditing operations.

Stop Freezing Email Accounts Now!

DOWNLOAD

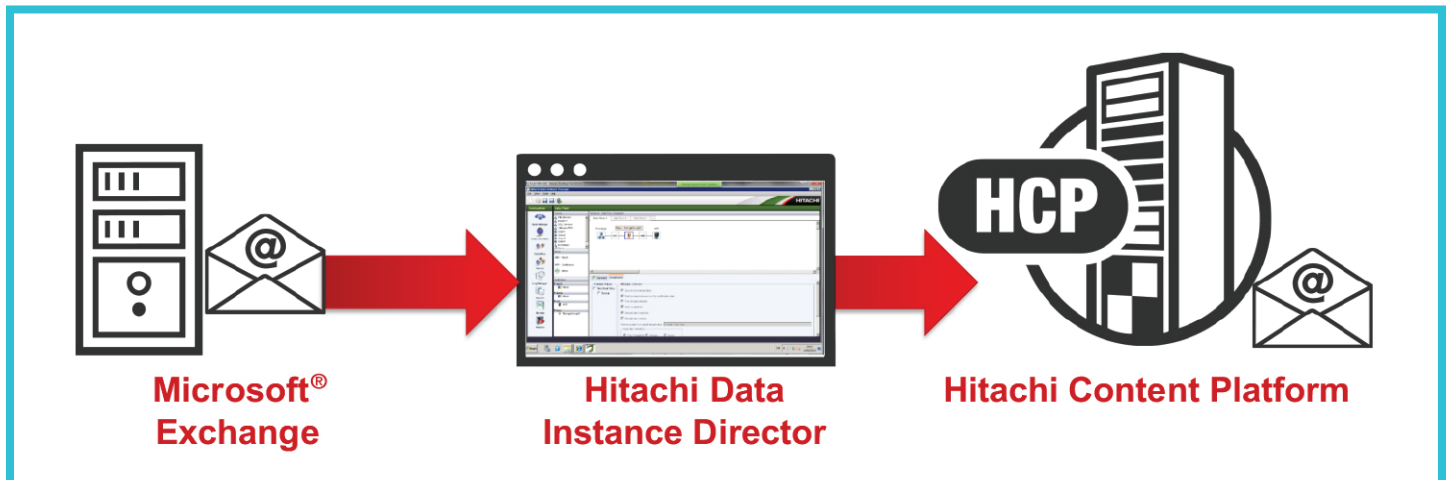


Figure 1. HDID provides easy-to-use policy management and HCP provides the perfect repository for archiving Microsoft email files and docs.

In addition to corporate email, HCP is used to manage the long-term retention of many types of structured and unstructured data through integration with leading document management applications.

HCP provides unparalleled reliability and resiliency for an object storage system through a combination of advanced self-protection and self-healing features:

- The disks in the system are arranged in a proven RAID-6 configuration.
- Commodity storage is protected with forward error correction, also known as erasure coding.
- All object metadata is stored twice.
- You can set the number of object copies to store two, three or four.
- Content validation is provided via hash signatures and automatic object repair.
- Replication of off-site copies includes automated repair from the replica.
- Object versioning offers protection from accidental deletion and changes.
- When used in conjunction with [Hitachi Content Platform Anywhere](#), you can send links instead of attachments.

You can assign data sets to the rigid compliance mode to prevent records from being modified or deleted during the defined retention period. You can also employ the more liberal enterprise mode to allow for more flexible data management.

[Hitachi Content Intelligence](#) is an intelligent data discovery and transformation platform that provides data analytics, improves workforce productivity and surfaces actionable business insights. Content Intelligence is tightly integrated with Hitachi Content Platform, and can process data from many other systems, as well. It can locate and identify the most relevant data, regardless of its type or location, and access relevant data with richer context available where and when you need it. It can also identify data value with automated cataloging, transformation and augmentation.

## Tight Integration With Industry-Leading Solutions

Hitachi has leveraged its partnerships with Veritas and Commvault to tightly integrate HCP with industry-leading software

## ARCHIVE TO SIMPLIFY OPERATIONS, MANAGE DATA GROWTH AND REDUCE STORAGE COSTS

- Stop struggling to keep up with the growth of unstructured data, stay within budget, optimize investments and deliver the necessary services quickly.
- Reduce the cost of storing and protecting data, consolidate silos to streamline management, mitigate data risk, and make IT more agile.
- Take advantage of our integrated data protection, retention and disaster recovery portfolio to help your enterprise better manage the proliferation of your unstructured data.

tools, including [Hitachi Data Protection Suite](#), powered by Commvault and Veritas NetBackup for data protection, Veritas Enterprise Vault for archive and HCP Anywhere for enterprise file sync and share. Such integration allows IT professionals to achieve their business goals with a highly flexible cloud storage framework that provides data retention, disaster recovery and business continuity.

However, HCP is more than just a long-term data retention platform; in fact, many organizations also utilize HCP for a wide range of online and nearline primary storage requirements because of its cost efficiency, high capacity, fast performance and rock-solid reliability.

## Unstructured Data Growth: Trends and Observations

The top storage environment challenge faced by today's IT professionals is unstructured data growth. As the amount of unstructured data expands, so do storage concerns, including capacity growth, backup performance (Can you back it up fast enough or frequently enough?), and disaster recovery capabilities.

However, industry analysts agree that by using advanced storage technologies, organizations can leverage insights from unstructured data to gain a competitive advantage, so deleting old data may not be the right approach. "Keep everything" is a common refrain, as business leaders don't really know what data may or may not be needed in the future to drive an important decision, or support a legal or regulatory challenge.

With unstructured data continuing to grow, you need a strategy for storing and leveraging this information. Hitachi offers complete

solutions and services to manage all your structured and unstructured data. Through our straightforward copy data management strategies to help you archive, back up and consolidate, you can move from expensive silos of stored data to a streamlined, cloud-ready solution. Our solution simplifies management, reduces risks and supports innovation for years to come.

- Unstructured data includes audio, video, emails, digital images, social networking data and more.
- The rapid growth in the amount and variety of unstructured data places new burdens on business, including ever-increasing backup costs and server sprawl.
- Managing unstructured data is the greatest storage challenge for many organizations.

HCP is Hitachi Data Systems' answer for organizations struggling with challenges associated with long-term data retention in an always-on, global operations environment. Its high-density, multitenancy object storage platform offers webscale storage capacity and performance, and helps enterprises meet precise and demanding requirements for compliance, e-discovery and information governance.

To learn more, please visit [HDS.com/go/protect](https://hds.com/go/protect) or contact your Hitachi TrueNorth Partner or one of our technical specialists. We're here to help you decide which solution is best for your specific environment: [DP-Sales@hds.com](mailto:DP-Sales@hds.com).

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OB-068-B DG March 2017