Intelligently manage your information

HP Autonomy Consolidated Archive and HP StoreAll
Hyperscale, meaning-based converged information management

Information governance is a top concern for most enterprises. You need to manage exploding volumes of unstructured information for optimal business value while satisfying corporate governance needs. At the same time, information growth is driving up the cost of e-Discovery and IT storage costs while draining employee productivity. HP can help.

Information governance in the era of big data

Information governance refers to the way you manage and control data throughout its lifecycle in accordance with corporate requirements. Without a proper information governance model, the proliferation of electronically stored information (ESI) combined with the increasing need for longer-term retention can result in a substantial burden on IT resources, increased infrastructure costs, and management overhead.

An effective information governance policy helps you know what information you have, understand its value, and determine if data should be stored for long-term retention or defensibly disposed of. Successful archiving solutions work in tandem with your governance policies, enabling you to store, find, delete, discover, and place legal holds on the right information at the right time. In short, archiving gives you control over information to ensure compliance with legal—IT and internal—business-specific policies.

A new approach for controlling information growth

A holistic approach to information governance is required for you to be able to take control over an increasingly vast amount of unstructured information. You need a solution where the software can seamlessly consolidate content from multiple sources, form an understanding of the content—based on context and concept—and intelligently classify the information. And it needs to be based on a storage platform that is scalable, yet simple enough to manage and safely store information longer-term to deliver a low total cost of ownership (TCO). You need an intelligent information governance and retention platform that helps you not only deal with big data growth efficiently but also leverage data to improve business agility.

The HP Autonomy Consolidated Archive (ACA) and HP StoreAll Storage solution delivers a scalable, unified content archive that controls and manages electronically stored information and assists with litigation preparedness. This unified solution enables you to consolidate archived content from various information sources, and provides meaning-based retention classification while improving storage efficiency and productivity for business applications.

Powered by HP Autonomy’s Intelligent Data Operating Layer (IDOL) 10 technology, ACA leverages meaning-based analytics to recognize concepts and context within all forms of information. With this understanding, ACA automatically applies governance policies based on the meaning of what is in the information—not just on a file name or format. This new approach enables you to drive compliance, e-Discovery, and records management initiatives directly from archived data stored in an HP StoreAll scalable repository.
To aid you in long-term data retention and to support information governance policies managed by ACA, HP StoreAll provides hyperscale storage capabilities to consolidate big data into a single scalable repository. Compared to alternative platforms with limited scalability that result in siloed, complex-to-manage, and underutilized storage pools, HP’s powerful StoreAll solution streamlines data center infrastructure and delivers enterprise-wide information management to greatly reduce operational expenses (OPEX).

**Solution advantages:**

- **Meaning-based computing** – Understand the context and concept of the content and derive value from it
- **Hyperscale** – 16 PB single namespace to store billions of files reducing operational complexities
- **Harnessed** – Meaning-based information governance to make informed decisions based on the value of data
- **Instant** – Intelligent indexing, as well as transparent and online access to archived data
- **Economic** – Modular, pay-as-you-grow architecture for lower TCO; data tiering services to balance cost/performance of long-term data retention
- **Reliable compliance** – Enterprise class WORM for long-term retention and data checksum validation for data durability

**Harness meaning-based information**

The value of understanding stored information elevates the archive from a simple repository for protecting and storing data to an intelligent system capable of identifying patterns in real-time. Meaning-based search and analytics result in significant cost savings compared to traditional approaches, since the value of understanding the information drives shorter retention times, provides accurate records schemes, and streamlines processing and review during e-Discovery.

Using probabilistic modeling and advanced pattern matching to form a conceptual and contextual understanding of ESI, the solution delivers advanced functions such as automatic classification, end-to-end e-Discovery, and advanced capabilities that allow you to intelligently archive assets such as emails, VoIP, voicemails, and video conferences—all capabilities that cannot be achieved using traditional approaches.

**Delivering hyperscale with lower TCO and faster ROI**

With over 400-plus connectors to various content repositories such as Microsoft® Exchange, SharePoint, and file servers, ACA enables retrieval of diverse data types including email, audio, video, and social media content and moves these digital assets to HP StoreAll scalable repositories which can accommodate multiple petabytes of unstructured data. The archiving of electronic data allows for the simplification of legal discovery, deferment of capital expenditures on servers and storage, as well as a significant boost to application performance and availability.

**Hyperscale**

HP StoreAll offers a scalable consolidation platform with near-infinite storage scalability and a simple pay-as-you-grow architecture, allowing you to buy what is needed and grow over time for effective long-term data retention. This reduces capital expenditure (CAPEX), lowers TCO, and also delivers superior operational efficiency.
Significant return on investment (ROI)
While organizations are dealing with explosive data growth, it is estimated that approximately 70% of data is duplicated. This not only wastes valuable storage resources but also increases power and cooling costs. With HP ACA and HP StoreAll, storage costs can be reduced via single instance storage and the increased ability to quickly apply legal holds with a single copy of data stored in the archive. These savings become increasingly meaningful as firms spend approximately 50% of their technology capital budget on information storage. This allows for additional savings through storage consolidation, resulting in a predictable OPEX model.

Instant
HP Autonomy IDOL provides rapid indexing of information based on meaning, enabling rapid e-Discovery, as well as end-user searches. HP StoreAll provides fast online access to content, regardless of the size of the archive.

Economic
The time value of data decreases over time and so does the need to access to it. Storing all information in a single tier of storage is expensive and adds to management overhead. The advanced data services built into HP StoreAll allow you to define policies and place information on appropriate tiers of storage. Data tiering provides the right balance between price and performance, reducing the cost of long-term retention of information assets while providing online and instant access when needed.

Reliable enterprise compliance
With increasing retention needs, it is essential to ensure that retained data does not become corrupt with age or evolving storage infrastructure. Hardware reliability has improved tremendously over the years; however, it is still important to put checks in place to ensure data consistency.

While archived content may be rarely used, discovering data corruption when it is needed the most could have devastating effects. Most traditional storage systems perform reactive checks to data only at the time of access, which is simply not enough to safeguard protected archived assets.

To improve the long-term integrity of data, HP StoreAll Storage provides support for enterprise compliance and file-level autonomic data validation. The file contents, as well as its path and metadata, are monitored on an ongoing basis. If the integrity of any of these is compromised, the file can be proactively recovered from a backup copy before the data is actually needed, thus ensuring files stored in the repository remain the same no matter the age of the data.

Get control over a growing volume of content
The explosion of electronic information is leading to a convergence of data management, information governance, and e-Discovery as all three disciplines—which provide business control—are growing over volume of content.

HP Autonomy Consolidated Archive and HP StoreAll delivers a superior, intelligent, and scalable solution to streamline information management, provide more insight into data, and cost-effectively store information for longer-term retention.

For more information visit:
hp.com/go/archiving
protect.autonomy.com