



Fact Sheet

HP StoreAll Storage Brings Real-time Intelligence to Big Data Retention and Cloud Storage Customers

Hyperscalable platform dramatically accelerates analysis, simplifies archiving, and consolidates object and file-based data

Overview

With the rise of big data fueled by digital content, mobile growth and compliance requirements, many organizations are struggling to retain unstructured data while ensuring rapid accessibility long term. As a result, organizations are experiencing capacity, performance and scalability issues with traditional network attached storage (NAS) systems.

Organizations need storage solutions that simplify data management and offer the functionality to extract business value from their unstructured data.

HP StoreAll Storage provides a highly scalable platform for unstructured data. It offers converged object and file storage services in a hyperscalable platform which grows to accommodate up to 16 petabytes (PB) of data. This new system supports billions of objects and files in a single name space, providing clients with a platform to manage big data retention and cloud storage needs without extra administrators or additional hardware.

HP StoreAll Storage improves total cost of ownership (TCO) with cost-efficient capacity and policy-based tiering that balances cost and performance. Its scale-out architecture enables clients to provision storage capacity based on today's need and seamlessly expand to meet future capacity requirements.

Accelerating intelligent insights and action from big data

The platform includes HP StoreAll Express Query, a breakthrough embedded metadata database technology created by HP Labs, the company's central research arm, that allows organizations to locate files and perform file system analytics up to 100,000 times faster than previous file system search methods.⁽¹⁾ Now, clients can search petabytes of data in seconds and minutes versus days so they can quickly and easily transform data into valuable information that facilitates informed business decisions.

HP StoreAll Express Query can be used standalone or in conjunction with big data retention and analytic applications, enabling clients to react to business-critical data in real time.

In addition, HP StoreAll Express Query IDOL connector integrates with [HP Autonomy Intelligent Data Operating Layer \(IDOL\)](#) to streamline the processing of dynamic content across large data sets. HP StoreAll Express Query's accelerated file namespace scan delivers inline updates to IDOL-based applications, making it possible to rapidly process new data changes and deliver up to date analytics so that decisions are based on real-time vs. outdated information, while using considerably less compute resources than conventional storage technologies.

HP StoreAll Storage also is integrated with [HP Autonomy Consolidated Archive](#), a meaning-based archiving solution powered by HP Autonomy IDOL. This enables it to deliver advanced analytics resulting in superior information searches and significant cost savings by identifying business value within the data, enabling more appropriate and accurate retention schemes. It also streamlines processing and review for critical business processes like eDiscovery and regulatory compliance. HP StoreAll is also certified and integrated with leading independent software vendor (ISV) applications⁽²⁾ for general purpose archiving and data protection along with industry specific applications such as medical imaging and video surveillance.

To improve the long-term integrity of data, HP StoreAll Storage also provides file-level autonomic data validation. Traditional NAS systems often discover data corruption only when files are accessed, which negatively impacts productivity. Instead, [HP StoreAll Constant Validation](#) software monitors the data integrity of the files on an ongoing basis so data is always available when requested.

Scalability without complexity

HP StoreAll Storage reduces administration complexity and lowers TCO by consolidating file and object storage onto a single platform managed by a single interface. This hyperscale storage platform is one of the only systems that supports both object and file storage concurrently at more than 1,000 storage nodes within a single capacity pool.

Clients can easily access HP StoreAll Storage as object storage through a simple Representational State Transfer (REST) application programming interface (API) for custom and packaged applications. With these object storage services, customers can build an on-premise storage repository for integration with ISV partners' applications for online file sharing/collaboration and cloud data mobility.

The HP StoreAll REST API provides a simple set of well-defined web methods that allow customers and applications to ingest and retrieve data over object and file modes. This gives customers object storage and file storage services on a consolidated scale-out platform for file sharing, collaboration and archiving.

Improving long-term data storage total cost of ownership

HP StoreAll Storage further improves operational flexibility and reduces storage costs over time through policy-based tiering that distributes data to the optimal storage tier. The solution's cost-efficient, modular architecture allows clients to start small and scale-out capacity as their needs grow, thereby eliminating the need to pay up-front for unused capacity.

Preconfigured for rapid deployment, HP StoreAll Storage can be installed and running in as little as 10 minutes, reducing management overhead and providing rapid time to value from storage investments. As needs grow, the system simply and cost-effectively scales over time up to 16 petabytes.

Pricing and availability⁽³⁾

HP StoreAll Storage will be available globally on Dec. 20, for a starting price of \$0.91 per GB. Pricing includes all software features, including Tiering, Snapshots, Continuous Remote Replication, Express Query, WORM, Data Retention and Constant Validation.

Additional information is available at www.hp.com/go/storeall.

- (1) Based on HP internal comparison of traditional file system scans versus HP StoreAll Express Query. HP Express Query took 1.434 seconds to complete. The previous find command took 151,278.706 seconds to complete.
- (2) Includes CommVault Simpana, iTernity iCAS, Symantec Enterprise Vault, Agfa HealthCare IDC, GE Healthcare EA and STS, McKesson HPF, and Genetec Omnicast.
- (3) Estimated U.S. list price. Actual price may vary.

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