



News Advisory

HP Liberates Backup Administrators from the Constraints of Human Middleware Based Data Protection

New innovations simplify management and free up resources for new projects by federating backup nodes into a shared resource pool

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LAS VEGAS, June 9, 2014 — HP today announced new backup, recovery and archive (BURA) solutions—including enhancements to the [HP StoreOnce Backup](#) family—that enable customers to protect increasing volumes of data while simplifying data management.

Data is growing at 40 percent a year, and IDC predicts that by 2020 the amount of data created and copied each year will reach 44 zettabytes.⁽¹⁾ This vital business data needs to be protected, but IT departments are challenged by the limited data capacity of traditional single-node disk backup systems and the cumbersome physical management of separate backup stores and devices. Customers desperately need simplified management of multiple backup stores spanning multiple backup nodes to reduce data protection management overhead.

To overcome the fragmented complexity of legacy disk backup and the "human middleware" required to optimize resource allocation, HP has added a federated backup stores capability — [HP StoreOnce Federated Catalyst](#) — to the HP StoreOnce Backup family. With this new capability, HP StoreOnce Backup reduces management overhead by 75 percent by eliminating physical mapping of backup jobs to individual backup appliances and freeing up administrators' time so they can focus on higher value IT projects.⁽²⁾

"We had a siloed IT environment that required our staff to spend significant time managing multiple backup and recovery processes, resulting in inefficient healthcare services," said Scott Krodel, vice president and chief information officer, Johnson Memorial Hospital. "With HP StoreOnce we are able to simplify data protection dramatically and accelerate data recovery to increase business efficiency and deliver better care and services to our patients."

Simplifying datacenter backup on premise and in the cloud

HP StoreOnce Backup with HP StoreOnce Federated Catalyst software enables customers to modernize siloed backup infrastructures by enabling provisioning and management of

multiple backup stores to a single, elastic pool of aggregated backup capacity that expands across multiple nodes to consolidate more than 17 petabytes (PB) of protected data.⁽³⁾

HP innovations like adaptive bidding and adaptive routing provide load-balancing using workload-aware analytics to ensure data is placed in the optimal physical location to maximize utilization, backup and restore performance. The underlying federation technology is designed to support aggregation across devices and even hybrid cloud environments supporting complex protection requirements without added administration.

In addition, HP StoreOnce Backup enhancements enable customers to:

- Improve efficiency with support for non-deduplicating data types alongside deduplicated backup stores as well as increase scale for NAS-based backup.
- Increase flexibility and performance through deeper integration with HP Data Protector as well as third-party backup software.
- Reduce risk with HP StoreOnce Integrity Plus, a set of capabilities that verifies data can be restored as written without corruption, ensuring data is fully protected throughout its life cycle.
- Protect against unauthorized access to information via encryption of data in flight and at rest with the HP StoreOnce Security Pack, which also ensures data is securely erased when deleted.⁽⁴⁾

“A fragmented approach to data protection can open organizations to legal and financial risks,” said David Scott, senior vice president and general manager, Storage, HP. “With HP’s Converged Data Protection portfolio innovations, customers get best-in-class scale, performance and manageability while eliminating complex and costly backup silos.”

Increasing security of long-term data retention and protection

Enhancements to the [HP StoreEver ESL G3 Tape Library](#) enable customers to rapidly archive up to 268 TB/hour and total of 75 PB of data—in a single library.⁽⁵⁾ New features added to the HP StoreEver Storage portfolio include [Data Verification software](#) and [High Availability Control Path and Data Path Failover](#) to ensure continuous data protection without interruption, plus support for Key Management Interoperability Protocol compliant encryption key managers to help protect sensitive and private information stored on tape media.

Expanding data protection ecosystem

The HP Converged Storage portfolio is integrated with new features in [HP Data Protector 9](#) backup management software. HP Data Protector 9 simplifies management of multiple backup systems via a single highly intuitive dashboard. This dashboard provides customers with adaptive intelligence, analytical reporting, rapid troubleshooting and ability to predict capacity needs to accurately forecast future investments.

HP also announced the [HP AllianceOne Data Agile Partner Program](#), a rich partner ecosystem that offers a consistent framework for software certification and solution promotion, enabling customers to quickly identify the right BURA solution to keep pace with their business growth. Founding members include Symantec, CommVault and Veeam Software.

Pricing and Availability⁽⁶⁾

- HP StoreEver MSL6480 High Availability Path Failover License is \$3,000. HP StoreEver Data Verification for ESL G3 100-cartridge license is \$1,750. Both StoreEver offerings are currently available.
- HP Backup Navigator and HP StoreOnce Security Pack are available now.
- HP StoreOnce 6500 starts at \$375,000 and HP StoreOnce Federated Catalyst starts at \$37,500 per couplet for the StoreOnce 6500. Both are available in July.
- HP Data Protector 9.0 starts at \$1,238.00 and is expected to be available in July.

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- (1) IDC, "Digital Universe of Opportunities: Rich Data and the Increasing Value of the Internet of Things," sponsored by EMC, April 2014.
- (2) Based on 4 nodes (2 couplets). Previously customers needed to configure one store per node-- i.e. 4 stores. Now customers can configure one store across all 4 nodes of a StoreOnce 6500 cluster. One store instead of four stores = 25% management, i.e. reduced by 75%.
- (3) Based on the maximum Federated Store capacity of 1PB raw and applying a standard 20:1 deduplication ratio. Deduplication ratios will vary by data type
- (4) In accord with National Institute of Standards and Technology SP 800-88.
- (5) Fully populated HP StoreEver ESL G3 library with LTO-6 drives and LTO-6 media at 2.5:1 compression.
- (6) Estimated U.S. list prices. Actual prices may vary.

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