



Fact Sheet

HP StoreOnce Backup Systems and HP StoreOnce Catalyst Software

New offerings improve speed, efficiency of information protection

Overview

In the tidal wave of data being created daily, organizations risk serious compliance issues and downtime due to extended backup-and-restore windows. Deduplication technologies help organizations deal with explosive data growth by making it economically feasible to protect and recover data using disk based backup systems as an alternative to tape.

First-generation technologies, however, are fragmented, requiring different technologies for branch offices or to move data between data centers. In fact, when moving data between different deduplication silos, clients must “rehydrate” the data—or add back in the duplicate data—before remote office data can be delivered to the data center or to long-term archival. This results in increased network bandwidth, idle and underutilized disk space, and added management overhead and costs. They also are unable to maintain local copies for fast recovery at a branch office unless they purchase additional hardware.

HP addresses limitations of legacy data protection architectures and ushers in Deduplication 2.0 by combining scale-out storage design with [HP StoreOnce](#) federated deduplication technology from [HP Labs](#), the company’s central research arm. The recently enhanced [HP StoreOnce B6200 Backup system](#) and new [HP StoreOnce Catalyst](#) software deliver performance, flexibility and management simplicity for enterprise backup and recovery.

Industry-leading performance

HP StoreOnce innovations increase enterprise agility with industry-first backup performance of up to 100 terabytes (TB) per hour and data recovery of up to 40 TB per hour, which is up to three times⁽¹⁾ and five times faster,⁽²⁾ respectively, than the closest competitive offering. This level of performance enables organizations to back up more data in less time, thereby eliminating disruptions caused by backup windows when the applications are unavailable to users.

The enhanced [HP StoreOnce B6200 Backup system](#) can reach native virtual tape library performance levels of 40 TB/hr., which is 2.5 times faster than the native backup performance of the recently introduced EMC DD990. Unlike competitive deduplication

solutions, the HP StoreOnce B6200 Backup system can restore at 100 percent of the native ingest rate enabling data to be restored in less time to minimize downtime.

New HP StoreOnce Catalyst software for HP StoreOnce Backup allows clients to deduplicate data on application servers or backup servers before it is transferred to a centralized HP StoreOnce Backup system. This approach enables clients to optimize backup processes, eliminate wasted resources, reduce network bandwidth cost and improve backup throughput.

Deduplicate once and replicate anywhere

HP StoreOnce provides new levels of flexibility and choice via the industry's only federated deduplication architecture. This means data is deduplicated once using a single technology and then moved anywhere without ever having to be rehydrated.⁽³⁾

This flexibility is delivered via new HP StoreOnce Catalyst software which enables deduplication to be deployed cost effectively in ways that were not previously possible. StoreOnce Catalyst also provides enhanced multi-site and cascaded replication options to balance performance, cost, and resiliency. For example, a backup from a remote application server could be centralized to an HP StoreOnce B6200 Backup system, replicated to a secondary datacenter and then archived to a third site on a monthly basis without data ever leaving its deduplicated state.

Unique to HP, HP StoreOnce Catalyst software with HP Data Protector 7 allows application servers at remote sites to send deduplicated backups directly to the central data center and maintains local copies for fast recovery without additional hardware.⁽¹⁾

Centralized management to reduce complexity

HP StoreOnce eliminates multiple management interfaces for backup operations to lower total cost of ownership.

Clients can use HP Data Protector 7, Symantec NetBackup or Symantec Backup Exec to manage deduplication and data movement in their HP StoreOnce Catalyst environment. This level of control extends from backup to replication of data sets for enhanced disaster recovery. Independent software vendors (ISVs) can achieve the same level of integration with the HP StoreOnce Catalyst open software development kit.

Pricing and availability⁽⁴⁾

- The 48TB HP StoreOnce B6200 Backup system is available immediately worldwide directly from HP as well as the worldwide ecosystem of HP channel partners with a U.S. list price starting at \$250,000 for a fully usable entry system from HP or authorized channel partners.
- HP StoreOnce Catalyst software is available immediately worldwide with a U.S. list price starting at \$37,500. Integration with HP Data Protector 7 Software and Symantec

NetBackup is available immediately. Additional integration with Symantec Backup Exec will be available in August.

- (1) Based on HP internal comparative analysis of publicly available data from major competitors.
- (2) Based on HP comparisons of publicly available data and expert observations that, for most competitors, restore is approximately 50 percent of ingest performance as cited by the Evaluator Group.
- (3) "HP B6200 StoreOnce whitepaper," Edison Group, November 2011.
- (4) Estimated U.S. list price. Actual prices may vary.

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