HP Delivers High-performance Software Deduplication with HP Data Protector

Overview

Organizations struggle with managing and storing information due to the explosion of data. Data deduplication technology is key to improving storage utilization by eliminating redundant data existing within enterprises, from remote offices to the data center.

Current deduplication solutions often employ point products that isolate data into silos, are difficult to deploy and do not scale. In addition, application performance is often disrupted due to the significant processing power required to run software-based deduplication solutions. This results in higher system hardware costs, longer restore times and slower overall IT performance.

Enhanced data storage and protection

HP Data Protector software integrates the HP Labs StoreOnce deduplication engine to deliver high-performance and resource-efficient data backup that improves storage utilization across the enterprise.

HP StoreOnce data deduplication technology enables organizations to maximize existing IT resources and meet increasingly stringent service levels through the deployment of a single, standardized deduplication engine that runs across the enterprise from the edge to the corporate data center.

HP Data Protector leverages HP StoreOnce technology to accelerate data analysis and reduce memory and disk I/O requirements during the deduplication process. As a result, it uses up to 90 percent less random-access memory (RAM) than competitive software deduplication solutions.[1]

This low RAM requirement enables clients to easily deploy HP Data Protector software-based deduplication in remote offices or on existing servers, including virtual machines. With up to 1.8 TB per hour throughput, the solution can support high-performance back up of large

Editorial Contacts

Diana Wong, HP
+ 1 408 447 0900
diana.wong2@hp.com

Hewlett-Packard Company
3000 Hanover Street
Palo Alto, CA 94304
www.hp.com

data sets.

HP Data Protector software deduplication enables clients to:

— Improve overall application performance while backing up large data sets with up to 1.8 TB per hour throughput with less RAM than competitive solutions, which can only operate by slowing overall system performance due to RAM requirements.

— Reduce IT costs by deploying target deduplication on existing application or backup servers without additional hardware investment.

— Maximize IT staff resource utilization through remote deployment and management of deduplication from a central data center.

— Meet compliance requirements by automating retention times for different data types and removal of expired data.

— Reduce licensing costs as software deduplication is available at no additional cost to existing HP clients with an Advanced Backup to Disk license for HP Data Protector software.

More efficient data management with HP StoreOnce
HP StoreOnce technology, developed by HP Labs – the company's central research arm – delivers high-performance data deduplication to improve productivity and data management efficiency.

It enables the same deduplication software to be used on backup and application servers, inline appliances and scale-out storage systems, which means that clients need only one deduplication solution across their enterprise. This standardized approach delivers higher levels of deduplication output and reduces enterprise-wide communication chatter across storage nodes.

HP StoreOnce is designed to enable clients to have holistic approach to deduplication and transfer deduplicated data throughout the enterprise without the need for data rehydration along the way.

Availability
HP Data Protector software deduplication for target-based deployments

will be available in the next release of <u>HP Data Protector</u> software.

More information about <u>HP Data Protector</u> software deduplication can be found at <u>www.hp.com/go/dataprotector</u>.

(1)   Based on HP internal comparative analysis of publicly available data from major competitors.