



HP Converged Storage Appliance Enables Midsize Companies to Manage Data Growth and Maintain Availability

Overview

Organizations of all sizes are struggling to manage the rapid growth of Human Information, including audio, video and rich media content, without adding to storage sprawl. As this data becomes more critical to operations, the need to ensure high availability is even more critical. If not done carefully, it can lead to large investments in duplicate hardware, clustered systems and complex setup.

In addition, many midsize companies are running Microsoft Windows® Server to power their applications, while most network attached storage (NAS) offerings are based on proprietary operating systems. As a result, they must use separate management tools, antivirus processes and backup applications for these non-Windows Server systems. This separation not only adds cost and complexity but also increases enterprise risk.

Powerful, scalable storage for Windows-centric environments

The [HP X5000 G2 Network Storage System](#), part of HP [Converged Infrastructure](#), is a new Converged NAS appliance ideal for midsize companies with Windows-centric environments.

The system eliminates manual integration with standard Windows compatible antivirus and backup software, which eliminates the need for additional hardware or administrative effort. Its clustered, dual-node, active-active architecture increases data availability. The X5000 comes with quick-start deployment tools to ensure the appliance is up and running in minutes.

Client benefits of the HP X5000 include:

- Improved productivity of remote office workers with the Windows Server BranchCache™ feature, which intelligently manages local versions of frequently accessed files, while reducing traffic across a wide area network.
- The ability to shift resources to more critical projects with hardware consolidation, as well as support for more than 10,000 users on a

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single system that can expand to more than 100 terabytes of capacity.⁽¹⁾

- Access critical data faster with native support for the Server Message Block 2.1 protocol and enhanced data security through seamless integration with Windows Server Active Directory as well as FIPS 140-2 data encryption.
- Increased administrative productivity and storage efficiency with tools that categorize, store and retain files based on business value.
- Greater return on storage investments with 32 terabytes in a dense 3U chassis as well as built-in file-based deduplication that reduces capacity requirements by up to 40 percent.⁽²⁾
- Reduced risk with built-in snapshot and replication features that store point-in-time copies of information at local and remote locations.
- Lowered energy costs by reducing power requirements up to 58 percent and cooling requirements up to 63 percent.⁽³⁾
- Decreased physical footprint by 50 percent over non-converged platforms by the integration of separate server and storage platforms into a single 3U appliance.⁽³⁾

Pricing and availability

The HP X5000 G2 Network Storage System is shipping immediately with a U.S. list price starting at \$30,229.⁽⁴⁾

- (1) HP internal research: Result is based on a specific system configuration – X5000 G2 with 16 x 600 GB 15K RPM LFF SAS HDDs configured as two storage pools, one pool assigned to each of the two X5000 G2 nodes; each storage pool configured as an eight-drive RAID 1 LUN – and not all clients may achieve these results.
- (2) Based on Microsoft testing: <http://blogs.technet.com/b/filecab/archive/2006/02/03/single-instance-store-sis-in-windows-storage-server-r2.aspx>.
- (3) As compared to HP's previous product offering, the HP X3820 2-Node Network Storage System.
- (4) Estimated U.S. list price. Actual price may vary.

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