HP StorageWorks Unified Network Storage Systems

Unified network storage systems

The new HP StorageWorks X1000 and X3000 Network Storage Systems enable customers to easily manage and grow their storage capacity by consolidating file and block data into a unified storage solution. As a result, companies can reduce costs and simplify data management by maximizing the utilization of storage resources.

The HP X1000 and X3000 Network Storage Systems increase performance by up to 30 percent over previous HP network attached storage (NAS) and unified storage solutions.[1] It is ideal for small and midsize businesses as well as enterprise branch offices, and has the flexibility to be used as a file server, print server or an iSCSI target for hosting application storage. Customers can also use the X3000 gateways as an iSCSI bridge to a disk array or storage area network (SAN) to create a virtual storage environment. The ease of deployment and versatility of these solutions allow IT managers to quickly respond to changing business demands without the costs of using a storage expert.

The network storage systems include the Single-instance Storage file deduplication feature that eliminates up to 35 percent of disk space by storing only one instance of a file on the disk array.[2] This provides customers with more storage capacity and increased data availability needed to support rapid business growth.

The X1000 and X3000 are built on new energy-efficient HP ProLiant G6 servers that deliver double the performance of previous generations. The solutions are also pre-installed with Microsoft® Windows® Storage Server 2008 and Microsoft iSCSI Software Target, which are optimized for storage efficiency.

BladeSystem-ready

The X1000 and X3000 are available in multiple rack-mount configurations and are also available for HP BladeSystem environments with the new HP StorageWorks X1800sb Network Storage Blade and HP StorageWorks X3800sb Network Storage Gateway Blade.

By combining the X1800sb with the HP StorageWorks SB40c Storage Blade, customers enable file serving and shared application storage inside the BladeSystem enclosure. The solution can also be used as a SAN gateway to external storage.

Ideal for midsize or rapidly growing businesses, the X3800sb is a cost-efficient gateway that consolidates file and block storage onto a centralized SAN to help customers better leverage their existing SAN infrastructure.

Additional benefits of HP X1000 and X3000 storage systems include:

Optimize storage capacity
- Increase storage efficiency by consolidating file and block storage into a unified Windows-based storage platform

- Improves the cost and ability to grow storage capacity with a complete storage system that can be used as a file server, print server, or an iSCSI target for hosting application storage depending on customers' needs

- Reduce redundant data with efficient snapshot tools that create point-in-time copies that require a fraction of the storage as full clones or mirrors

Simplify management
- Reduce time and complexity with HP Automated Storage Manager Software (ASM) to manage and protect data based on automated best practices for data migration and storage provisioning

- Easily deploy storage out of the box in minutes rather than hours with pre-installed HP Rapid Start-up Wizard and Windows Storage Server 2008 Standard Edition

- Eliminates the need for storage administrators by enabling end users to quickly retrieve their own files from the convenience of their desktops

Improve return on investment
- Leverage current technology investments and expertise by seamlessly integrating into existing Windows environment

- Ensure high performance and durability with industry-standard hardware and software such as HP ProLiant G6 servers, Intel processors, Serial ATA (SATA) or SAS drives, SAS interconnects and Windows Storage Server 2008

- Reduce storage management costs with free data services, including quotas, file screening, storage reporting, volume shadow copy service (VSS) snapshots and distributed file system (DFS) replication

More information about the HP StorageWorks X1000 and X3000 network storage systems is available at www.hp.com/go/x1000 and www.hp.com/go/x3000.

Pricing and availability
The HP StorageWorks X1000 and X3000 Network Storage Systems will be available in June for an estimated U.S. list price starting at $3,399.[3]

[1] Based on throughput performance testing of HP ProLiant G6 server compared to HP ProLiant DL380 server.
[2] According to Microsoft datasheet for Windows Storage Server 2003 R2.
[3] Actual price may vary.