

# Storage designed to satisfy

Looking for a networked storage solution? The Dell PowerVault 745N NAS server provides storage consolidation and backup capabilities fast—at a feel-good price



Dell PowerVault 745N NAS

For IT organizations that crave a fast, affordable answer to enterprise storage issues, the Dell™ PowerVault™ 745N network attached storage (NAS) server is a solution sure to satisfy. Many of today's common storage challenges—including management complexity and limited file-sharing capabilities—can be addressed by a NAS server. These specialized file servers—optimized for serving and storing data on the network—can be used to consolidate files, making them more accessible to users. Consolidation also helps improve the bottom line by centralizing storage management.

In addition, network attached storage helps administrators overcome the challenge of shrinking backup windows. By enabling disk-to-disk backups from application servers to the NAS server followed by disk-to-tape backups, a NAS server can minimize the length of time that backup jobs affect production systems.

The Dell PowerVault 745N NAS server combines superb price/performance with the Dell build-to-order model, which allows organizations to purchase the exact system they need. The 1U single-processor PowerVault 745N comes in several scalable configurations, including a choice of an Intel® Celeron® processor at 2.4 MHz or Pentium® 4 processor at 2.8 GHz or 3.2 GHz with an 800 MHz frontside bus. Memory configurations are also flexible, ranging from 512 MB to 4 GB of DDR400 SDRAM.

## Instant gratification

The PowerVault 745N directly attaches to an existing local area network (LAN) and is preconfigured for rapid, out-of-the-box deployment. Once in place, the server supplies multiplatform support for several popular platforms, including Microsoft® Windows®, Macintosh®, UNIX®, Linux®, and Novell® NetWare® computing environments and clients. Dual load-balanced 10/100/1000 Gigabit<sup>1</sup> Ethernet controllers, hot-swappable ATA IDE internal hard drives, and redundant operating system (OS) images help keep data highly available.

## Fulfilling features

The Dell PowerVault 745N is powered by the Microsoft Windows Storage Server 2003 Standard Edition OS, which is designed for reliability and seamless integration in network environments. The Windows Storage Server 2003 OS lightens the IT workload by providing a Web browser to enable convenient, centralized management from any remote location.

The new OS further eases administration through a robust feature set that includes support for Volume Shadow Copy Services (VSSs), which enable administrators to create and preserve snapshots—volume images from discrete points in time that provide the capability to recover a previous version of a lost file without having to restore the file from tape.

For organizations that want print serving as well as file serving, the PowerVault 745N is available with an alternate OS: Windows Storage Server 2003 Standard Edition with Print. This versatile version of the OS enables the PowerVault 745N to function as a print server for Windows-based clients—in addition to functioning as a file server.

## Comfortable capacity

The PowerVault 745N is designed to supply efficient scalability as organizations grow. The server comes equipped with 1 TB of internal storage across four 250 GB hard drives—and supports up to two optional external PowerVault 220S storage enclosures for up to 4 TB of added capacity. It can directly connect to other PowerVault tape backup products—for example, the PowerVault 132T tape library—to provide flexible backup as enterprise needs grow and change. Compared to other entry-level storage servers, the well-priced PowerVault 745N NAS server brings together features, performance, and scalability that can satisfy considerable—and varied—appetites for storage.

## For more information:

In U.S.: [www.dell.com/powervault](http://www.dell.com/powervault)

In Europe: [www.euro.dell.com](http://www.euro.dell.com)

In Asia: [www.dell.com/ap](http://www.dell.com/ap)

<sup>1</sup> This term does not connote an actual operating speed of 1 Gbps. For high-speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required.