



# Dell PowerVault NX3000 High Availability (HA)

If you are in a Windows® centric environment, in need of an inexpensive high availability failover storage solution that can support both file and block data, then the Dell™ PowerVault™ NX3000 (HA) is the NAS gateway for you.

## Advanced file management software for efficient data sharing

Windows® Storage Server 2008 R2 provides the same reliable and flexible file services that are in Windows® Server 2008 R2. Windows® Storage Server 2008 R2 provides small business to enterprise level file serving solutions that are easy to manage with powerful file serving features. And the solutions are provided on a mature and multi-generational platform using Dell™ PowerEdge™ enterprise hardware.

- The PowerVault NX3000 with Windows® Storage Server 2008 R2 is built on an optimized release of the Windows Server® 2008 R2 file services platform, improving file access performance through a purpose-built file operating system.

With added advanced storage technologies, the PowerVault NX3000 (HA) is designed to provide a very efficient, highly available, clustered storage appliance. SIS (Single Instant Storage) provides simple, file-level deduplication and FSRM (File Services Resource Manager) a single-management interface that delivers managed file services across CIFS/SMB and NFS. Administrators have improved control over files and can better adhere to compliance requirements. With built-in reporting, FSRM provides insight into how your file serving resources are used for audit and planning purposes.

Similarly, FCI (File Classification Infrastructure) is able to provide insight into your data by automating classification processes and implementing policies so that you can manage your data more effectively. The built-in policy-based solutions for file classification provide expiration, custom tasks, and reporting.

## Easy management and integration into your environment

PowerVault NX3000 (HA) provides improved storage capabilities, simplified deployment, and easier management, than previous generations, while assuring seamless synergy in your existing Windows® infrastructure in a cost-effective and high-performance platform. Especially for administrators that are familiar with the Windows® Server 2008 R2 OS, implementing this clustered, high availability solution is easy. You can cluster two or more NX3000 appliances up to a maximum of 16; a flexibility that illustrates how the PowerVault NX3000 can grow with you and support many companies growing data availability requirements.

When you use the PowerVault NX3000 (HA) as a clustered NAS gateway with your existing PowerVault MD array solution or in your Dell™ EqualLogic™ SAN environment you can maximize your SAN investments. Dell's high-end Compellent storage solutions also leverage the PowerVault NX3000 (HA) to provide NAS gateway functionality for Windows® environments.<sup>1</sup>

Easy to manage  
file and block  
storage solution.

Ideal for Windows® File Sharing  
Environments, offering high  
availability failover clustering and  
familiar Windows® management.

Feature	Dell™ PowerVault™ NX3000 (HA)
Operating system	Microsoft® Windows® Storage Server 2008 R2 Enterprise Edition
File access protocols	CIFS, NFS, FTP
Block access protocols	Microsoft® iSCSI Target
Form factor	2U Rack
Number of processors	1 or 2
Processors supported	Dual, quad-core 5620 Nehalem/Westmere processors
Internal storage	In clustered configuration only 2 HDDs for OS (6 HDD total internal capacity)
Max internal capacity	N/A in clustered configuration; 18 TB Raw (with 3 TB NL-SAS)
Drives supported <sup>1</sup>	SAS (15K): 146 GB (other SAS, SATA, Near-line SAS supported by chassis)
External expansion	Gateway to PowerVault MD3xx0i or EquaLogic (Compellent supported by dedicated SKU)
RAID type	Factory-installable options: R1 (OS) Custom-configurable options: 0, 1, 5, 6, 10, 50, 60
Network connectivity	Gigabit Ethernet: 4 x RJ45 LOM Connectors, supporting TCP/IP offload. Optional add-in NICs available
Slots	2 PCIe x8 + 2 PCIe x4 G2
Power	Two hot-plug 870W PSUs
Fans	Standard redundant cooling
Availability	Hot-plug hard drives, Hot-plug redundant power, Hot-plug redundant cooling ECC memory
Management	Dell OpenManage™ featuring Dell Management Console
Remote management	Optional iDRAC Enterprise or Native Java RDP plug-in
Data protection features	SIS, DFS-R, Snapshots (VSS), FCI
Chassis	NX3000 physical dimensions: Height: 8.64cm (3.40") Width: 44.31cm (17.44") Depth: 68.07cm (26.80") Weight (maximum config): 26.1kg (57.54lb)
Rack support	Sliding ReadyRails™ for 4-post Racks Static ReadyRails™ for 4-post & 2-post Racks
Regulatory and environmental compliance	Regulatory Model: E02S, Regulatory Type: E02S001

<sup>1</sup> Separate SKU

Simplify your storage at [Dell.com/PowerVault](http://Dell.com/PowerVault)

