Dell PowerVault NX3300 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™ NX3300 (HA) is the NAS gateway for you.

Advanced file management software for efficient data sharing

Windows® Storage Server 2008 R2 provides a NAS gateway with emphasis on backend storage flexibility. The NX3300 is not tied to any particular iSCSI or Fibre Channel storage backend array family, it will support PowerVault MD, EqualLogic, as well as Compellent arrays. Windows® Storage Server 2008 R2 provides small business to enterprise level file serving solutions that are easy to manage with powerful file serving features. The solutions are provided on a mature and multi-generational platform using Dell™ PowerEdge™ enterprise hardware.

> — The PowerVault NX3300 with Windows® Storage Server 2008 R2 is built on an optimized release of the Windows Server® 2008 R2 platform, improving file access performance through a purpose-built file-services optimized operating system.

With added advanced storage technologies, the PowerVault NX3300 (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 allowing better adherence to compliance requirements. FSRM provides built-in reporting giving 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 NX3300 (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. 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 NX3300 appliances up to a maximum of 16; allowing the PowerVault NX3300 to grow with you and support many companies' growing data availability requirements.

When you use the PowerVault NX3300 (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 NX3300 (HA) to provide NAS gateway functionality for Windows® environments.

Easy to manage file and block storage solution.

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

Features	Dell™ PowerVault™ NX3300 (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	1U Rack
Number of processors	1 or 2
Processors supported	1 x E5-2609 2.40GHz,10M Cache or 2 x Intel E5-2640 2.50GHz,15M Cache
Internal storage	Each platform in a clustered configuration 2 HDDs for OS (RAID 1) or 4 HDD for OS (RAID 5)
Max internal capacity	Up to 4 – 2.5" SAS drives
Drives supported[1]	300GB 10K SAS,6G ,2.5", HotPlug
External expansion	Gateway to PowerVault MD, EqualLogic, or Compellent
RAID type	Factory-installable options RAID 1 or RAID 5 (PERCH310)
Network connectivity	Gigabit Ethernet RJ45 NDC (Networks Daughter Card) options, with 4x1Gb (Value and 1Gb performance configuration),or 2x10Gb (10Gb Performance configuration). Additional Ethernet NIC options and FCI connectivity available
Slots	Two x16 slots with x16 bandwidth, half-height, half-length One x16 slot with x8 bandwidth, half-height, half-length
Power	Hot Plug PSUs 750W (single PSU on Value configuration, redundant PSUs on Performance configurations)
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	iDRAC 7 Enterprise or Native Java RDP plug-in
Data protection features	SIS, DFS-R, Snapshots (VSS), FCI
Rack support	Sliding ReadyRails™ for 4-post Racks Static ReadyRails™ for 4-post & 2-post Racks
Regulatory and environmental compliance	Regulatory ModelE02S, Regulatory Type E02S001

Simplify your storage at Dell.com/PowerVault