



DELL STORAGE NX3330

Dell Storage NX3330 provides an affordable solution that offers the simplicity of an integrated Microsoft® Windows® operating system.

Advanced file management software for efficient data sharing

The NX3330 offers improved performance and enhanced reliability using the award-winning Dell™ PowerEdge™ server tightly integrated with Microsoft Windows Storage Server 2016. With added advanced storage technologies, the NX3330 is designed to provide an efficient, highly available, clustered storage appliance with enterprise-class features for businesses of all sizes. The NX3330 can be used as a universal gateway to create a unified storage solution when paired with Compellent™, EqualLogic™ or PowerVault MD3 storage arrays.

Customers can easily manage through a single, familiar interface using the factory-installed Windows Storage Server 2016 (WSS2016) software. NX3330 is tightly integrated with WSS2016 and offers performance and versatility in a NAS storage appliance. The appliance 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 PowerEdge enterprise hardware.

Put the latest storage technology to work

Dell integrates the best of its PowerEdge servers with the latest Windows Storage Server software for a solution designed to improve reliability and performance. WSS2016 has enabled the Server Message Block 3.0 (SMB3.0) protocol, which can improve performance with multichannel failover and is designed to increase the reliability of application-specific capabilities for Microsoft SQL Server and Hyper-V®. Improve efficiency with thin provisioning deduplication and compression to optimize capacity allocation on the NAS.

Windows Storage Server 2016 features

A new feature in Windows Storage Server 2016 is called Work Folders. This feature allows you to Bring-Your-Own-Device (BYOD) so you can access work files from your personal computer or device, while keeping your organization's data safe through centralized controls, encryption and lock screen passwords.

Additionally there are new Storage Spaces functions that include storage tiering, SSD write-back cache, parity storage spaces on failover clusters, dual parity storage spaces, and faster recovery.

An improved Storage Management API adds cluster awareness and remote management for these new Storage Spaces features.

WSS2016 also enhances several of the current WSS2016 features, such as SMB protocol, iSCSI Target, DFS Replication, Deduplication. Changes to Failover Clustering and enhanced support for Hyper-V have made it faster and easier to implement continuous availability.

Easy management and integration into your environment

The NX3330 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. For administrators that are familiar with the Windows Server 2012 R2 OS or Windows Server 2016, implementing this clustered, high availability solution is easy. You can cluster two or more NX3330 appliances for up to a maximum of 64 high availability cluster nodes, allowing the NX3330 to grow.

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 Storage NX3330
Operating system	Microsoft Windows Storage Server R2 2016 Standard Edition
File access protocols	CIFS, NFSv4.1, FTP, SMB3.0, SMB Direct (RDMA)
Block access protocols	Leverages shared storage back end for block access or Microsoft iSCSI target
Form factor	1U rack-mount system
Number of processors	Two
Processors supported	Intel® Xeon® E5-2609 v3 1.9GHz, 15M Cache, 85W or Intel Xeon E5-2630 v3 2.4GHz, 20M Cache, 85W
Internal storage	Each platform in a clustered configuration 2 HDDs for OS (RAID 1) or 4 HDD for OS (RAID 5)
Max internal capacity	Leverages shared storage arrays attached via SAS, iSCSI or FC
Drives supported	300GB* 10K SAS (up to 4 HDDs)
External expansion	Gateway to PowerVault™ MD3, EqualLogic or Compellent
RAID	Standard options: two HDDs for OS (RAID 1) or four HDD for OS (RAID 5) with PERC H310 Controller: PERC H330
Network connectivity	Various customer selectable NDC (Network Daughter Card) and PCIe options
Slots	Three PCIe 3.0 slots (two with x16 bandwidth and one with x8 bandwidth); all slots are LP (Low Profile)
Power	Redundant and non-redundant hot-plug 750W PSU options
Fans	Standard redundant cooling
Availability	Hot-plug hard drives, hot-plug redundant power, hot-plug redundant cooling, ECC memory
Management	Windows Server Management interface, iDRAC8 Enterprise or Dell OpenManage™ featuring Dell Management Console
Dimensions	H: 4.28 cm (1.68 in.) W: 48.23 cm (18.98 in.) D: 70.05 cm (27.57 in.) Maximum weight: 16.9 kg (37 lb)
Data protection features	Replication (DFS-R), Snapshots (VSS)
Rack support	ReadyRails™ II sliding rails for tool-less mounting in 4-post racks with square or unthreaded round holes or tooled mounting in 4-post threaded hole racks, with support for optional tool-less cable management arm

* GB means 1 billion bytes, TB equals 1 trillion bytes and PB equals 1 quadrillion bytes; total accessible capacity varies depending on operating environment.

Global services and support

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