



Dell Storage NX430

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An affordable and reliable rack-mounted network-attached storage (NAS) offers you advanced data management and efficient data sharing. The Dell Storage NX430 array is designed to improve performance with Microsoft® Windows® Storage Server.

Efficient dedicated data sharing

This the entry-level, file-sharing system, based on the latest server technology, is easy to manage with its integration of Microsoft Windows Storage Server 2016 (Standard Edition and Workgroup Edition). This specialized operating system helps control growing storage demands by making file storage more efficient than previous generation solutions. Maintaining productivity is essential for any business, so NX430 offers disparate users simplified access to files and shares across a network-wide infrastructure, even to remote offices. File shares are easy to locate and resilient. NX430 with Windows Storage Server 2016 (WSS2016) helps eliminate data clutter by identifying duplicate files, storing one copy and replacing others with pointers.¹ It also has a single management interface that delivers improved managed file services across CIFS/NFS, and offers improved control and compliance over files, ideal for audit and planning purposes.

Room to grow your business

Dell Storage NX430's efficient file sharing is packaged in a small, 1U form factor, allowing extra room in your rack for other systems and components. Plus, its maximum 40TB capacity allows plenty of space to grow files and shares — designed so you have room to grow your business.

Simple deployment and management

Avoid the hassle of building a file server from scratch. Dell Storage NX430 is optimized for storing, sharing, and protecting files, and is integrated and ready to go out of the box. In fact, the NX430 can be ready to share files within minutes. Take full advantage of the Initial Configuration Tasks wizard to streamline the setup process. Also, there is no need to buy additional Client-Access Licenses (CALs) for each user, you add to your NX430. Support for multiple users is already built into this file-sharing system.

Put the latest storage technology to work for you

Dell integrates the best of our PowerEdge servers with Windows latest Storage Server operating system, designed to improve reliability and performance. WSS2016 enables 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®. Thin provisioning, deduplication, and compression provide additional data management optimization by optimizing capacity allocation on the NAS. For remote offices, the new BranchCache® feature improves branch office connectivity on low-speed, high-latency links.

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.

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Operating system	Microsoft 2016 (Standard Edition and Workgroup Edition)
File access protocols	CIFS, NFS, FTP, SMB3.0, SMB Direct (RDMA)
Block access protocols	Leverages shared storage back end for block access; Microsoft iSCSI Target
Form factor	1U rack-mount system
Processors	Intel® Xeon® processor E3-1220 v5 (8M Cache, 3.00 GHz)

Memory	8GB or 16GB	
Internal storage	Always 4 x 3.5" internal drives that must be identical in capacity and type (NL-SAS or SATA)	
Maximum internal capacity	40TB raw capacity with 10TB NL-SAS	
Drives	SATA (7.2K): 1TB, 2TB 4TB, 6TB, 8TB NL-SAS (7.2K): 1TB, 2TB, 4TB, 6TB, 8TB, 10TB	
Slots	2 PCIe slots: One x8 PCIe slot with x4 bandwidth, half-length, half-height One x16 PCIe slot with x16 bandwidth, half-length, full-height	
RAID factory options	RAID 5	
RAID custom options	0, 1, 5, 6 and 10 with the PowerEdge Raid Controller (PERC) H730	
RAID controller	PERC H730 (internal drives) or H830 (optional for external drives)	
Availability	Hot-plug hard drives, hot-plug power	
Cluster support	No	
Management	Dell OpenManage™ featuring Dell Management Console	
Remote management	Optional iDRAC8 Enterprise or Native Java RDP plug-in	
Data protection features	SIS, DFS-R, Snapshots (VSS), FCI	
Chassis	Height: Width: With rack latches Without rack latches Depth: (With redundant power supply unit, includes bezel) Weight: (maximum) Weight: (empty) Standard redundant cooling Hot-plug hard drives Hot-plug redundant power Hot-plug redundant cooling ECC memory	42.8 mm (1.68 in) 482.4 mm (18.99 in) 434.0 mm (17.08 in) 677.3 mm (26.66 in) 13.8 kg (30.42 lb) 6.0 kg (13.22 lb)
Rack support	ReadyRails™ sliding rails with optional cable management arm for 4-post racks (optional adapter brackets required for threaded hole racks)	
Power	Redundant, 350W	

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