



Dell and Nexenta Software-Defined Storage Solution

Manage data efficiently and cost-effectively with Dell™ and Nexenta™ software-defined storage solutions.

High-performance, highly flexible storage solutions

Dell and Nexenta software-defined storage solutions offer a comprehensive suite of storage management services that run on Dell servers and storage hardware. Delivering highly flexible software-defined storage, Dell and Nexenta solutions provide benefits such as SAN and native NAS protocol support, unlimited snapshots and cloning, block and file replication, inline deduplication, and comprehensive management capabilities.

Optimize performance and capacity

Dell's partnership with Nexenta gives customers more choices, including performance and capacity-optimized configurations to handle large-scale virtualization and file-based workload requirements. Dell has an established working relationship with open-source storage software partners, as well as server, network, and storage technology and services. With this knowledge base and expertise we can help you evaluate, configure, and deploy cost-effective software-defined storage solutions for your environment.

Easily expand as needed

Expand your environment with a software-defined storage architecture that readily adapts to business growth. You can adapt to the latest server and storage technologies to handle ever-increasing workload requirements without incurring additional software licensing costs. Dell and Nexenta solutions are pre-configured, pre-sized and validated. These solutions offer a range of solutions to meet your capacity and performance requirements, upgrade to the latest hardware technology as your business grows, and non-disruptively expand capacity by adding additional Dell storage enclosures.

Dell and Nexenta solutions features:

- Complete hardware and software stack for virtualized and file workloads
- Choice of CPU, RAM, read/write cache, and drive options to meet capacity and performance requirements
- 44TB to 960TB raw storage capacity
- Flexibility to easily expand capacity as needed by adding additional Dell storage enclosures
- Inline deduplication and native compression to help eliminate redundant data and reduce capacity
- Unlimited snapshots to optimize recovery time and recovery point objectives

Dell and Nexenta storage-defined software solutions technical specifications

	Entry level	Mid-range	Mid-range expansion	High performance	High-performance expansion	High capacity/ archive
Servers	2 x 2U PowerEdge R720 rack servers					
Processors	2 x 4-core, 2.4GHz Intel® Xeon® E5-2609			2 x 4-core, 3.3GHz Intel Xeon E5-2643		
DRAM	96GB (12 x 8GB DIMMs)			256GB (16 x 16GB DIMMs)		
Boot drives	2 x 1TB 7.2K RPM SAS 2.5" HDD					
PCIe cards	<ul style="list-style-type: none"> • 1 x H710 internal RAID (boot drive) • 1 x Intel X540 Dual Port 10Gb BT + I350 Dual Port 1Gb BT • 2 x LSI 9207-8e PCIe3 6Gb SAS HBA 	<ul style="list-style-type: none"> • 1 x H710 internal RAID (boot drive) • 1 x Intel X540 Dual Port 10Gb BT + I350 Dual Port 1Gb BT • 4 x LSI 9207-8e PCIe3 6Gb SAS HBA 	<ul style="list-style-type: none"> • 1 x H710 internal RAID (boot drive) • 1 x Intel X540 Dual Port 10Gb BT + I350 Dual Port 1Gb BT • 1 x Intel X520 Dual Port 10GbE DA/SFP+ NIC¹ • 4 x LSI 9207-8e PCIe3 6Gb SAS HBA 	<ul style="list-style-type: none"> • 1 x H710 internal RAID (boot drive) • 1 x Intel X540 Dual Port 10Gb BT + I350 Dual Port 1Gb BT • 1 x Intel X520 Dual Port 10GbE DA/SFP+ NIC¹ • 4 x LSI 9207-8e PCIe3 6Gb SAS HBA 	<ul style="list-style-type: none"> • 1 x H710 internal RAID (boot drive) • 1 x Intel X540 Dual Port 10Gb BT + I350 Dual Port 1Gb BT • 1 x Intel X520 Dual Port 10GbE DA/SFP+ NIC¹ • 4 x LSI 9207-8e PCIe3 6Gb SAS HBA 	<ul style="list-style-type: none"> • 1 x H710 internal RAID (boot drive) • 1 x Intel X540 Dual Port 10Gb BT + I350 Dual Port 1Gb BT • 1 x Intel X520 Dual Port 10GbE DA/SFP+ NIC¹ • 4 x LSI 9207-8e PCIe3 6Gb SAS HBA
JBODs	2 x MD1220	4 x MD1200	8 x MD1200	2 x MD3060e	4 x MD3060e	4 x MD3060e
Hard drives	44 x 2.5" 1TB 7.2K RPM NL-SAS	44 x 3.5" 2TB 7.2K RPM NL-SAS 6Gb	88 x 3.5" 2TB 7.2K RPM NL-SAS 6Gb	112 x 3.5" 2TB 7.2K RPM NL-SAS 6Gb	228 x 3.5" 2TB 7.2K RPM NL-SAS 6Gb	240 x 3.5" 4TB 7.2K RPM NL-SAS 6Gb
Read cache	0-2 x 400GB SAS MLC		0-4 x 400GB SAS MLC			NA
Write cache	2 x 200GB SLC	2 x STEC ZeusRAM	4 x STEC ZeusRAM		8 x STEC ZeusRAM	NA
Software	NexentaStor licensed by capacity under management					

¹ Secondary NIC is optional

Global services and support

Reduce IT complexity, lower costs and eliminate inefficiencies by making IT and business solutions work harder for you. You can count on Dell for end-to-end solutions to maximize your performance and uptime. A proven leader in Servers, Storage and Networking, Dell Enterprise Solutions and Services deliver innovation at any scale. And if you're looking to preserve cash or increase operational efficiency, Dell Financial Services has a wide range of options to make technology acquisition easy and affordable. Contact your Dell Sales Representative for more information.

OEM-ready version available

From bezel to BIOS to packaging, your storage and servers can look and feel as if they were designed and built by you. For more information, visit Dell.com/OEM.

Simplify your storage at Dell.com/Storage.

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