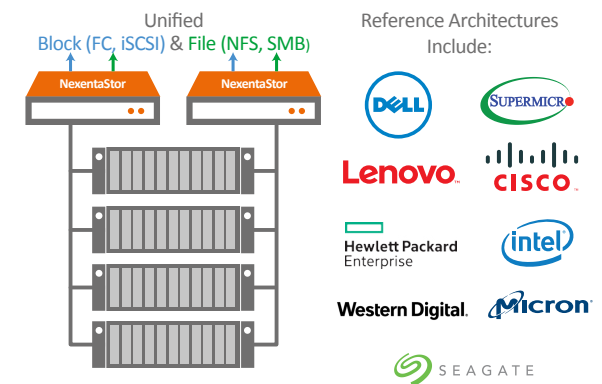# NexentaStor Datasheet

Simpler Than Ever, Full-Featured, Unified Storage

NexentaStor delivers enterprise unified file and block storage services running on industry standard hardware, on existing storage or hyper-converged systems, scaling from tens of terabytes to petabytes. With it's integrated management abilities and simplified user interface, customers gain valuable and easy to read insights into their day-to-day storage needs.

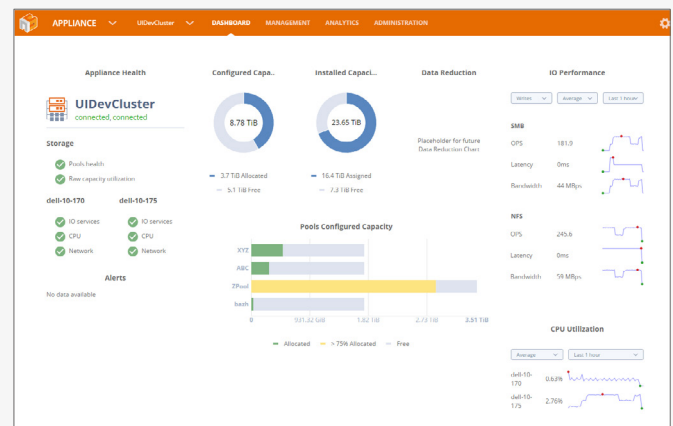## Open-Source Driven SDS on Your Terms

NexentaStor has a proven track record of successful deployments across a diverse set of industries, helping thousands of enterprises, increase agility, flexibility, and performance while reducing total cost of ownership (TCO) by 50 percent or more.

By providing a scale-up software-only storage solution which includes a rich feature set across your file and block needs, NexentaStor enables you to deliver a software-defined infrastructure to support your enterprise needs. Leveraging industry standard hardware on proven and tested reference architectures and the ability to run on existing storage or hyper-converged systems, NexentaStor is optimized to support your growing storage needs.

Unified
Block (FC, iSCSI) & File (NFS, SMB)

Reference Architectures Include:

Simpler Than Ever with NexentaFusion

NexentaStor in combination with NexentaFusion allows enterprises to deploy, run, and scale. From getting set-up, to daily tasks, and checking the health of your storage environment, you are able to easily manage the needs of your business. Standard day-to-day tasks including deploying pools and creating a file system are easy to configure in a matter of minutes. NexentaFusion builds on the self-documenting RESTful API of NexentaStor 5.0 creating further integration into your existing infrastructure.

To learn more visit NexentaFusion product page
www.nexenta.com/nexentafusion

Visit us online at nexenta.com

Supporting Today's Business Critical Applications

NexentaStor enables you to deliver a Software-Defined infrastructure to a wide range of applications while giving you the freedom to choose the platform you want to run on. This award-winning file and block storage solution provides advanced all-flash, hybrid, and spinning disk reference architectures along with the ability to run it as a Virtual Storage Appliance (VSA) on your existing storage or hyper-converged systems.

Start by deploying NexentaStor to support your backup or disaster recovery need with dense 5PB+ configuration. Later add smaller capacity all-flash builds of NexentaStor for business-critical use cases including databases or data processing applications.

Transactional Enterprise Apps	Virtual Machines	Generic File Servers	NFS/Block Backup & Archive

All-Flash
NexentaStor

Hybrid
NexentaStor

All HDD
NexentaStor

No Compromise. And a fraction of traditional enterprise storage costs.

NexentaStor's Open-Source-Driven (OpenSDS) software offers the expected enterprise features including unlimited snapshots and clones, inline data reduction, and thin provisioning in our standard solution at a fraction of the cost. Being 100% software-based, NexentaStor allows customers to take advantage of innovation that is taking place by leading hardware partners and enables customers to break the high margin of legacy storage vendors and reduce costs by 50%+. To learn more about the key features of NexentaStor visit the chart below:

Protocols	File: NFS 3.1, NFS 4, SMB 2.1, SMB 3 Block: Fibre Channel, iSCSI
Data Management	All-Flash, Hybrid, All-Disk pools RAID 10, N+1, N+2, N+3 Open ZFS end to end data integrity Unlimited snapshots & clones, Inline data reduction Thin provisioning Scheduled & Continuous replication Multi-Tenant File Services (NFS & SMB) Standard send/receive to/ from any OpenZFS system
Management	Self-documenting REST API, CLI, SNMP NexentaFusion (HTML5 without any Plugins is required)
Client OS Support	VMware, Microsoft, OpenStack, Docker, CentOS, RHEL, Ubuntu, Solaris, AIX
Ecosystem Integration	SMB 3 for Microsoft Hyper-V VMware Virtual Volume (VVOL) 2.0 & VAAI Block VMware vCenter Plugin OpenStack Cinder & Manila Kubernetes & Docker Volume Plugin
Optional Extensions	Active-Active High-Availability cluster Fibre Channel All-Flash pools Continuous Replication MetroHA stretch clusters

NexentaCloud in AWS
Enterprise NAS for the Public Cloud

NexentaCloud in AWS delivers a rich data storage solution based on NexentaStor's enterprise SDS platform increasing storage efficiency for public cloud through data reduction, enhanced visibility and management of your cloud workloads.

Easily replicate to/ from NexentaCloud to NexentaStor to deliver hybrid cloud support for essential applications or workload.

**To Learn More Visit,
nexenta.com/products/nexentacloud**

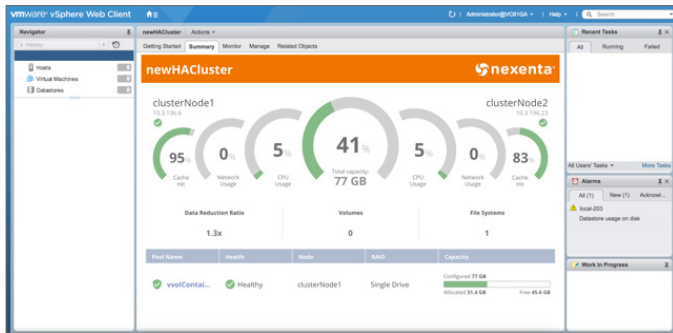---

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Seamless Integration with Virtualization & Container Platforms

With best in class VMware integration NexentaStor is designed with multi-tenant vCenter Plug-in and VMware Virtual Volume (VVOL) support. The vCenter Web Client Plugin simplifies VMware administrator day-to-day operational tasks by allowing customers to incrementally scale storage by adding datastores from within the vCenter interface, identify performance bottlenecks and review capacity utilization trends.

Integration with vCenter's role-based authentication mechanism provides an added level of segmentation and security options for multi-tenant solutions, branch offices and even departmental storage solutions. It is a perfect complement for NexentaStor 5 VMware Virtual Volume support, allowing all storage operations on NexentaStor to be performed with Virtual Machine granularity.

Advanced support for Docker via Docker volume driver and full support for OpenStack with OpenStack Cinder drivers for iSCSI and NFS for a broad set of OpenStack releases allows you to easily snap in NexentaStor in use cases where you are looking to take advantage of innovation happening at the data center.

Proven Success with Leading Companies

Nexenta is installed in thousands of companies across the world, serving a wide variety of workloads and business-critical situations. We power some of the world's largest cloud deployments, host some of the industry's best entertainment content, serve vast quantities of government data across multiple continents and ensure that hundreds of thousands of medical records are kept safe and available at the point of service for healthcare companies worldwide.

GoDaddy	PennState	tenet HEALTH	GMO INTERNET GROUP	sas	MRC Medical Research Council	US University of Sussex
Technology & Hosting	Higher Education & Research	Healthcare	Technology & Hosting	Technology	Higher Education & Research	Higher Education & Research
picturemaxx	Department of the Treasury	wipro	UNIVERSITY OF CAMBRIDGE	hhmi Howard Hughes Medical Institute	vodafone	HYUNDAI
Media Advertising	Government	Technology & Hosting	Higher Education & Research	Medical Research	Technology	Motor industry

To begin your free trial today visit **nexenta.com/products/downloads**

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nexenta®
Global Leader in Software-Defined Storage.