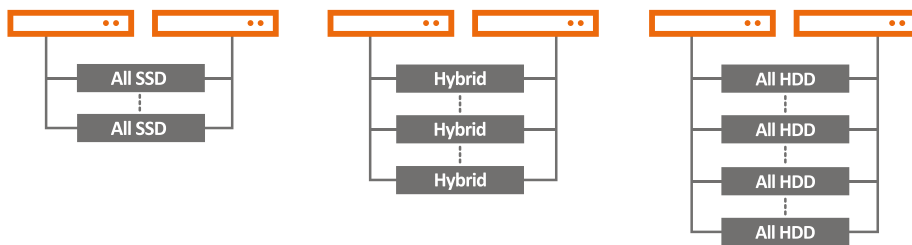# NexentaStor Datasheet

Highly Available, Full-featured, Unified Storage

Nexenta's flagship Software Defined Storage (SDS) platform enables thousands of customers all around the world to transform their storage infrastructure, increase flexibility and agility, simplify management and dramatically reduce costs without compromising on availability, reliability or functionality.

Shared File and Block Services with All Flash and Hybrid Acceleration

| All SSD |
| All SSD |

| Hybrid |
| Hybrid |
| Hybrid |

| All HDD |
| All HDD |
| All HDD |
| All HDD |

S ecure

M anageable

A vailable

R eliable

Lower **T** otal Cost of Ownership

S calable

File Shares for Applications, Desktops, and Archives

NexentaStor provides an ideal solution for NFS and SMB file shares in applications, desktops and archives. With inline data reduction, unlimited snapshots and clones, end-to-end data integrity and up to triple parity RAID, NexentaStor reference architectures scale up to multi-petabyte raw capacity.

High Performance Digital Media Applications

NexentaStor is well suited for high performance digital media apps requiring NFS, SMB, iSCSI, or FC storage protocols. High performance all-SSD and hybrid configurations with inline data reduction, unlimited snapshots and clones are key benefits to solving performance bottlenecks.

Scalable Backend for Public and Private Cloud

NexentaStor is a workhorse for scalable cloud backend and cloud hosting environment. With NexentaStor's unified storage services and simple scaling to petabyte configurations, NexentaStor provides the rich ecosystem integration that is critical to agile cloud deployments.

Visit us online at nexenta.com

NexentaStor Specifications Overview

NexentaStor features	Description
NexentaStor Version	NexentaStor 4.x
Storage Protocols	10GbE NFSv3, NFSv4 10GbE CIFS, SMB 2.1 10GbE iSCSI 8Gbps Fibre Channel 16Gbps Fibre Channel
Supported Configurations	Controllers: • Single controller • Active/Active controllers in HA pair (best practice) Storage Enclosures: • Single path with single controller or HA pair • Dual path with single controller • Multi path with HA controller pair (best practice)
Data Availability and Integrity	ZFS 256-bit block level checksums RAID 10 and multi-parity software RAID (n+1, n+2, n+3) Asynchronous replication
Data Services and Optimization	Flash and HDD hybrid pools ZFS Copy On Write Unlimited writable snapshots Thin provisioning Inline data reduction
Scalability and Management	Reference Architecture configurations up to 1.5PB raw capacity CLI and Web UI SNMP and REST API
Server OS Supported	VMware, Windows, Citrix, RHEL
Virtualization Integration	VMware VAAI, vCenter Plugin, OpenStack Cinder
Nexenta Plugin	HA Cluster, FC target

NexentaStor licenses	Community	Trial	Enterprise
Capacity	Free up to 18 TB	-	License-based
Time limit	Perpetual	45 days	Perpetual
HA Cluster	N/A	Plug-in	Plug-in
Replication	N/A	Plug-in	Plug-in
Install options	Bare Metal or Virtual Appliance	Bare Metal or Virtual Appliance	Bare Metal or Virtual Appliance
Support	Community	SE, Partner	Platinum, Gold, Silver

nexenta®
Global Leader in Software-Defined Storage.