

# High Availability

Nexenta certified business continuity at a fraction of the cost of legacy HA SAN technologies – without sacrificing enterprise features.



# High Availability

without the High Price

## AT A GLANCE

- Establish failover cluster to a stand-by system
- Dual head systems mirrored for Active/Active failover
- Feature-complete HA solution for maximum data uptime
- Turnkey solution ready to be deployed in hours, not months
- Scale-out as business needs grow – unlimited storage capacity

## Enterprise business continuity that won't consume your entire IT budget

Powered by NexentaStor™ Enterprise, the leading open storage platform built on the dynamic ZFS file system, the StorageDirector Z2 HA Cluster is a complete hardware and software appliance. Get everything a storage administrator would need to deploy and manage a highly-available SAN that delivers maximum data or application uptime at a fraction of the cost of legacy solutions.

Perfect for hosting business-critical services or storing a virtualized data center, the Nexenta certified StorageDirector Z2 HA Cluster features multiple instances of NexentaStor™ Enterprise on dual-head systems mirrors the workload to a standby system in the event of a platform-level failure. And with up to 596TB storage, these solutions enable cost-effective scalability, as needs grow.

### High Availability Features:

**Active/Active Failover** – Establish failover groups in a clustered environment

**Dual Head Systems** – Get maximum data redundancy from mirrored instances of NexentaStor™ on dual-head (or dual-node)

**Block-level Mirroring** – Set-up remote backups and disaster recovery to local (or remote) sites

**Synchronous & Asynchronous Replication** – Heterogeneous block-level replication for easy disaster recovery

**Unlimited Snapshots** – Create any number of snapshots (with integrated search) to ensure granular recovery to data in a timely manner

**Auto-Sync Backup & Replication** – Set-up remote backups and disaster recovery

**Mirrored OS** – ZFS mirroring, RAIDZ or RAIDZ2 and hot spares automatically detects and repairs silent data corruption

Get continuous, always-on access to business-critical data and applications at a lower price-point than alternative legacy storage technologies.



### Feature-Complete | HA without the High Cost

Now organizations of all sizes can afford an enterprise-grade business continuity solution that doesn't consume their entire IT budget. The StorageDirector Z2 HA Cluster delivers an all-inclusive feature-set with all the storage capabilities – from Active/Active failover, asynchronous replication and block-level mirroring – to deploy and manage a highly-accessible network storage environment. Get a scale-out SAN with multi-level data protection – in hardware and software – that's up to 40% less than legacy HA SAN technologies.



### Nexenta Certified | Better Together

Each StorageDirector Z2 HA Cluster system architecture is fully-supported by Nexenta. These solutions meet an exclusive list of pre-tested hardware configurations and achieve an optimized level of software performance and integrity that can only be obtained through specific CPU, RAM and I/O requirements, as defined by Nexenta. In addition, Pogo Linux support technicians have completed the training necessary to become Nexenta certified engineer, which means you only need to contact a single company for all your hardware and software support needs.



### Accelerated Deployment | Faster Time to Value

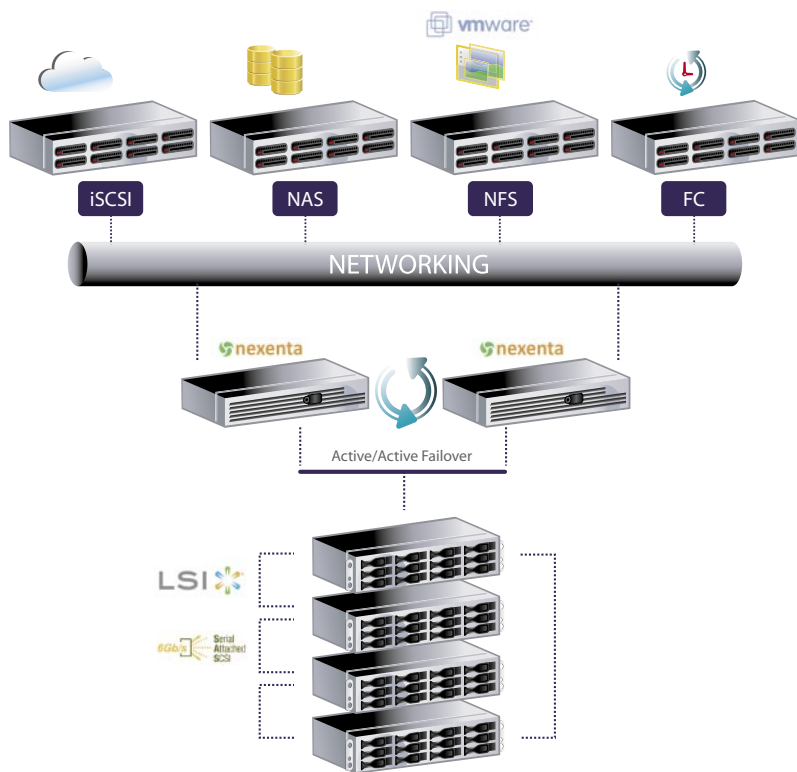
Rapidly deploy a turnkey NexentaStor™ Enterprise HA SAN solution in hours – not months. Each pre-certified StorageDirector Z Series product is optimized and tuned for performance and availability by the experts at Pogo Linux and Nexenta. This deployment time-saving means IT managers can focus valuable resources on higher business-priorities, instead of trying to build an HA SAN.

## USE-CASES

Storage Tiering • Cloud & Hosted Services • Storage Virtualization  
High-Availability Workloads • Offsite Backup • Disaster Recovery

## Solution Overview

The StorageDirector Z2 HA Cluster eliminates a single-point of failure with NexentaStor™ Enterprise configured for Active/Active failover pairs. With multiple mirrored instances of NexentaStor™ running on dual-head (or dual-node) systems, the standby system picks up the workload in the event of a platform-level failure. In addition, IT managers can easily connect additional expansion shelves as network needs grow – unlimited storage capacity.



### System Features:

- NexentaStor™ Enterprise with HA Cluster Plug-in
- Unified Storage for CIFS, NFS, iSCSI & FC
- Dual-Head (or Dual-Node) Systems
- Dual Intel® Xeon® 5600 Processors
- Up to 96GB (or 48GB per node) of Memory
- Unlimited Storage Capacity
- 12 or 16 Hot-swap Drive Bays
- High-capacity 3.5" SAS or Ultra-fast 2.5" SSD Drive Options
- Up to Six Gigabit Adapters with expansion
- Optional redundant SAS controllers
- Redundant Power Supply

### Expansion Features:

- Up to 48TB Disk Shelf
- Expand up to Four Disk Shelves
- High-capacity 3.5" SAS or Ultra-fast 2.5" SSD Drive Options
- LSI 6Gb/s SAS HBA

## Product Comparison

### StorageDirector Z2 HA Cluster



NexentaStor™  
Certified

### StorageDirector Z2 HA Gemini



NexentaStor™  
Certified

System Specs	Dual Head System with Storage Expansion	Dual Node System with Storage Expansion
Operating System	NexentaStor Enterprise Edition	NexentaStor Enterprise Edition
HA Cluster Plug-in	Included	Included
VM Data Center Plug-in	Available	Available
Support Package	Pogo Complete Maintenance Plan	Pogo Complete Maintenance Plan
Maximum Memory	Up to 96GB DDR3 ECC Memory	Up to 48GB DDR3 ECC Memory
Processor	Dual 6-Core Intel Xeon 5600 Series with Hyper-Threading	Dual 6-Core Intel Xeon 5600 Series with Hyper-Threading
Integrated Networking	(6) Gigabit Ethernet	(2) Gigabit Ethernet
Multipath I/O	Available	Available
Storage Expansion	Unlimited – Over 576TB	Unlimited – Over 576TB
Starting Price	\$32,300	\$29,400

### Customer Spotlight



"We replaced EMC with NexentaStor. Nexenta provided best-in-class features and was superior to the storage appliance we had from EMC. The total license and support cost of the NexentaStor solutions was less than the support renewal cost of the EMC appliance."

-Jessie Bryan, Impulse, Dir. of Systems Engineering



Pogo Storage, a division of Pogo Linux, helps companies of all sizes reduce storage cost with breakout, next-generation technologies and a hybrid storage strategy. Discover how network storage is made easy by visiting [www.pogostorage.com](http://www.pogostorage.com)

### Additional Resources:

[www.pogostorage.com/nexenta](http://www.pogostorage.com/nexenta)  
[www.nexenta.com](http://www.nexenta.com)

**Pogo Storage**, a Division of Pogo Linux  
8675 154th Avenue NE  
Redmond, WA 98052

main 888.828.POGO (7646)  
fax 425.898.2299  
email [sales@pogolinux.com](mailto:sales@pogolinux.com)