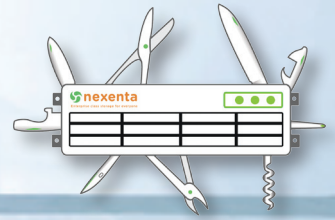


Enterprise class storage for everyone



Ready-to-Deploy Open Storage Appliances

The Nexenta range of unified storage appliances offer a wide range of connectivity including NFS and iSCSI to form entry and advanced levels of centralised SAN that scales easily in both capacity and performance offering storage from a few Terabytes to bespoke systems that deliver blistering performance for infrastructure environments.

As your company grows, so does your need for efficient data storage. Our end-to-end Unified Storage architecture makes it possible for you to expand capacity and add functionality to your systems quickly and easily. Nexenta systems deliver the right blend of price, performance, and scalability.

The Nexenta appliance enables you to connect your heterogeneous server environment (including Windows®, UNIX®, and Linux® servers) and clients to one storage system by using standard storage protocols and interfaces.

Nexenta appliances provide a powerful range of technologies and features based on ZFS to help increase storage utilization and the efficiency of your system. Our Unlimited Snapshots capability provides point-in-time images, enabling you to perform near-instantaneous file-level or full data set recovery with minimal performance overhead making the Nexenta appliances uniquely suited for protecting your production data.

Features

Multi-Level Data Protection

- RAID Levels
- Replication
- Block Level Mirroring
- WORM Volumes

Virtualisation

- Virtualisation Enables Thin Provisioning
- I/O Pooling
- Run Within Multiple Environments - VMware, Citrix (Xen), Microsoft Hyper V

Management Capabilities

- Create, Grow, Deploy Export and Import Storage Volumes
- Share Volumes and Folders
- Take Snapshots - Scheduled and On-Demand
- Define Retention Policies and Tiering Structures
- HA Plugins
- Manage Performance and Integrate into SNMP Solutions
- Discover, Configure and Create iSCSI Sessions & Deploy iSCSI LUNS

Performance

- High Bandwidth 128 bit File System
- Supports 8GB Fibre Channel and 10Gbe Connectivity

Benefits

• Storage Without Limits

Unlike legacy solutions, the Nexenta appliance offers unlimited file size and snapshots. To improve performance, simply upgrade your hardware and the Nexenta appliance automatically adjusts.

• Do More With Less

The Nexenta appliance offers intelligent management software, highly effective storage using SSD and SAS drives in a storage pool, making it possible for businesses to dramatically reduce their consumption of storage power, cooling and space.

• Respond To Growth

As your data expands and the demands on your storage infrastructure grow, the Nexenta appliance can be sized appropriately. Thin provisioning helps you to eliminate Stranded Storage. Safeguard your investment in management and technical expertise, hardware and software.

• End Vendor "Lockin"

We do not "lock you in". You can access data stored by the Nexenta appliance via any ZFS file system. You no longer need to pay a hardware tax to your legacy vendor.

• Storage Consolidation

Simplify your storage environment by consolidating your user and business data onto the Nexenta appliance. The Nexenta appliance allows simultaneous SAN and NAS connectivity (CIFS, NFS, iSCSI).

• Data Integration

To avoid accidental and silent data corruption the Nexenta appliance provided end to end check summing and transactional "copy on write" 10 operations.

• Reduced Costs

Reduced costs of the overall TCO (total cost of ownership) of maintaining and scaling all aspects of your storage management.

Technology Partners



Nexenta now and for the future

Thin provisioning

Thin provisioning helps avoid the costly “over provisioning” and time-consuming reconfiguration that is typical with other storage solutions. Our in-line De-duplication reduces capacity requirements by storing a single copy of data at sub-file and block level. Highly efficient RAID-Z protects against multiple failures in a RAID group including single, double and even triple parity RAID. Data integrity is protected to an even higher level by performing checksums on your data, protecting it from corruption that other solutions miss. Reduce data vulnerability: data is at risk even with RAID 6 when drives fail owing to the long rebuild times of large disks. Nexenta systems differ from other systems by only rebuilding the data on the failed disk, not the entire volume. This significantly reduces rebuild times and therefore the risk of losing data.

Explosive data growth

Whether you are responsible for a remote or branch office, a department, or a midsized enterprise, you are challenged more than ever before by shrinking budgets, overextended staff, and the need to do more with less. These challenges, coupled with the increasing complexity of your environment, can quickly eat into your budget and affect your productivity.

Adapt quickly to change

To help your data storage infrastructure adapt as your business grows, we offer: a new level of performance to support your most demanding applications and flexible connectivity that includes FC, iSCSI and SAS that enables up to a Petabyte of capacity.

With the breadth of included software you can:

- Dynamically expand or contract volumes or LUNs.
- Easily expand data management capabilities as your needs grow.
- Use the optional upgrade to provide enterprise-proven capabilities for automated provisioning on a policy basis.
- Use virtual machine-aware management to create, Snapshot, clone and provision Virtual Machines.

Nexenta appliances have a wealth of features provided as standard, including unlimited snapshots, a snapshot search facility, cloning, de-duplication, compression, replication that allows us to preconfigured systems, or customize your configuration that allow you to choose SSD’s System RAM, Additional processors, drive quantity, type, and capacity.

Simple to deploy and manage

You don’t need to be a storage expert to acquire, deploy, and manage the Nexenta appliance and to keep your storage infrastructure in line with business requirements. You can rapidly deploy a Nexenta Appliance typically within minutes after installation and provision storage for SAN (iSCSI/FCP) and NAS (CIFS/NFS), for both physical and virtualized server environments.

Solutions

Part Code		NEX-1060	NEX-1150	NEX-1160	NEX-2160	NEX-3160
		Performance system			High Density	High Availability
Raw Capacity		8TB <small>Note 1</small>	13TB <small>Note 2</small>	10TB <small>Note 1</small>	24TB <small>Note 1</small>	48TB <small>Note 1</small>
Nexenta Head	Chassis	2U	2U	2U	2U	2 x 2U
	Processor	1 x Quad Core Xeon	2 x Quad Core Xeon	2 x Quad Core Xeon	2 x Quad Core Xeon	2 x Quad Core Xeon/Head
	Memory	12GB	24GB	24GB	36GB	48GB (Total)
	Performance Optimised					
	Read SSD	No	No	No	No	No
	Write SSD	No	No	No	No	No
	IPMI	Yes	Yes	Yes	Yes	Yes
	Connectivity	2 x 1Gbe	4 x 1Gbe	4 x 1Gbe	4 x 1Gbe	4 x 1Gbe/Head
JBOD		No	No	No	1 x 4U	2 x 4U
Max Capacity	all drives are SAS	Up to 8TB	up to 13TB	up to 10TB	up to 24TB	up to 48TB
CCI SKU		51749	51751	51750	51752	51753

Community

Community Blog
Consolidated blog from Nexenta communities.

Experts Corner
Experts commentary on Nexenta

Forums
Nexenta Forums

Note 1 = 3.5" HDD
Note 2 = 2.5" HDD

Support - Local UK Based Support Centre

Software	Gold	24/7 telephone support with 4 hours response time	NEX-SW-GOLD
	Silver	9 to 5 email support with 8 hour response time	NEX-SW-SILVER
Hardware	Gold	On-site 24/7 with 4 hours response	NEX-HW-GOLD
	Silver	On-site 8am to 6pm, 5 days a week with 4 hour response time	NEX-HW-SILVER
	Bronze	On-site 9am to 5pm, 5 days a week with next business response time	NEX-HW-BRONZE



UK Distributor: CCI Distribution