ABERDEEN
SERVERS AND STORAGE

AberSAN Z20
Unified Storage Appliance

AberSAN Features

Hardware
- Dual Intel Xeon processor 5600/5500 series
- Up to 192GB Memory
- Up to 16 Terabytes Raw Capacity (without storage expansions)

Multi-Level Data Protection
- Hardware & RAIDZ RAID Levels
  RAID 0, 1, 10(1E), 3, 5, 6, 30, 50, 60 / Single, Double, Triple Parity + Hot Spares
- No Silent Data Corruption
- Unlimited Snapshots and Clones
- Block and file based replication

Inherent I/O Virtualization
- Thin provisioning
- Hybrid storage pools via automated use of SSDs
- Integrated search
- Cloud ready storage capabilities
- Virtualization management

Unique Management Capabilities
- In-line Deduplication
- Compression
- iSCSI Target Capable
- FC Target Capable (Optional)

Scalability & Expansion Options

Add-on Card expansion
7 PCIe x8 slots for additional HBAs and NICs

SSD ZFS Cache Accelerator
SSD cache options for L2ARC and ZIL

Storage capacity expansion
- Up to 4 JBODs (64 drives)
- Up to 2 SAS DAS boxes with JBODs
- Virtually unlimited with additonal HBAs over storage switches

7x Expansion Slots
for FC/SAS HBAs, 1Gb/10Gb NICs, RAID Controllers

Virtually Unlimited Storage Expansion
via FC/SAS/iSCSI DAS or JBOD Chassis

Available Options

Simple High Availability plug-in allows two or more AberSAN Appliances to act as a basic high availability group in front of replicated data. The data can be replicated using Auto-CDP as well as Auto-Sync. Simple HA can work across a wide area.
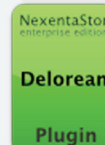
AutoCDP plug-in provides a synch remote mirroring capability over an IP network. The service replicates volumes between two different appliances in real time, at a block level. This is synch replication in contrast to the asynch replication performed by the Auto-Tier and Auto-Sync capabilities of AberSAN.

Target FC plug-in assists in the use of AberSAN as a block-level target for Fibre Channel deployments. Target FC includes adaptive multi-pathing so that performance scales up as needed with additional threads. Target FC also provides the ability to easily create logical groups of initiators and targets.

VM Data Center plug-in simplifies the management of storage for VMware vSphere, Citrix Xen, and Microsoft Hyper-V environments. Users can establish replication policies for each VM and can perform common VM management tasks such as stopping and starting VMs.

Delorean module extends AberSAN to deliver ZFS powered Windows backups. Includes 100 client licenses. Delorean users can select what local files and folders they want to protect via a built-in File Explorer interface. The protected files can then be further replicated and protected via AberSAN itself.

WORM enables any data folder to be made Write Once, Read Many. Once this plug-in is installed, any data folder can be made Write Once, Read Many. This applies to the entire content, including files, directories, and existing sub-folders. Any data folder without exception can be marked as WORM.

HA Cluster plug-in allows two AberSAN appliances to act as an active/active High Availability group in front of shared storage. HA Cluster requires SAS/FC/iSCSI DAS or JBOD with SAS HDDs. It cannot be used to enable fail-over feautures for the local storage.