

COMPELLENT zNAS

FLUID INTEGRATION OF SAN AND NAS ELIMINATES THE GUESSWORK OF PLANNING AND MANAGEMENT

- Unified network storage that intelligently scales on a single platform
- Storage consolidation for superior utilization and efficiency
- Leading-edge ZFS architecture with advanced manageability



Unstructured data such as digital images and office documents is expected to grow 60 percent annually. Add to that the continued proliferation of structured data from databases, and managing enterprise storage can quickly become costly and complex.

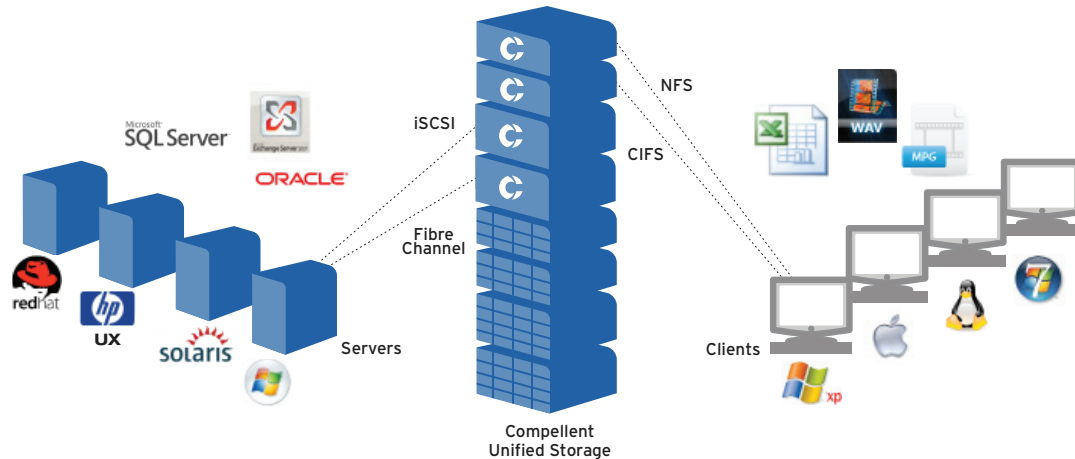
Compellent zNAS enables organizations to consolidate file-based data and manage it together with block-based data. Ideal for mixed OS environments, this unified storage solution provides file-level access and control with block-level efficiency and scalability.



COMPELLENT zNAS: INTELLIGENT ZFS-BASED UNIFIED STORAGE

ALL DATA, ONE PLATFORM

Compellent zNAS integrates the highly scalable Zettabyte File System (ZFS) with a Fluid Data architecture to consolidate all enterprise data onto a single platform. Users have file-level access and control for audit and regulatory compliance. And they can leverage the full Compellent feature set, including Thin Provisioning, Automated Tiered Storage, Continuous Snapshots and Thin Replication.



ZFS Architecture, Advanced Manageability

Compellent zNAS is ideal for midsize and large organizations with mixed UNIX, Linux and Windows environments. zNAS supports Common Internet File System (CIFS) and Network File System (NFS) protocols in the same name space. Data can be shared with ease across server platforms, regardless of size or type. All system administration is performed using a central, wizard-based interface. And built-in intelligence automates volume creation and mapping.

High Performance, Availability

With Compellent zNAS, file serving operations remain separate from application operations to avoid bottlenecks from CPU-intensive processes. Yet all I/O requests are spread across the storage pool and processed in parallel, increasing overall performance and availability. Clustered configuration and hardware redundancy further enhance availability, with active/active failover and advanced multipathing (MPxIO) ensuring no single point of failure.

More Capability, Lower Total Cost

By consolidating file servers and databases with zNAS, organizations can significantly cut data center hardware, power and cooling costs. Thin Provisioning enables users to provision any size volume upfront yet only consume capacity on write. Automated Tiered Storage automatically migrates inactive data to lower-cost media. Boot from SAN eliminates the need for file server disks. And space-efficient snapshots provide near-instant recovery without full-volume clones.

COMPELLENT zNAS SPECIFICATIONS

HARDWARE

Form Factor	1U rack mount
Clustering	Yes, 2 nodes
CPU	2 Quad-Core Xeon E5540 (2.53 GHz), 64-bit
Memory Capacity	24 GB or 48 GB ECC DDR3 DIMM RAM
Expansion Slots	2 PCI-Express
Network Connectivity	LAN: 2 on-board 1 GbE ports, 1 quad-port 1 GbE add-on NIC card SAN: 1 PCI-Express dual-port 8 Gb FC HBA
Remote Management	Embedded IPMI card
Hard Disk	No, boot from SAN (diskless)
Peripheral Devices	CD/DVD-ROM
High Availability	Redundant power supplies, clustered heads with active/active failover

SOFTWARE

Platform	OpenSolaris ZFS
OS Environment	Ideal for UNIX or mixed CIFS/NFS
Administration	Authentication
WORM	Optional