![nexenta by DDN logo]

File Services for Hyper-Converged Infrastructures

Revamp your SAN, AFA or HCI without the need for additional hardware
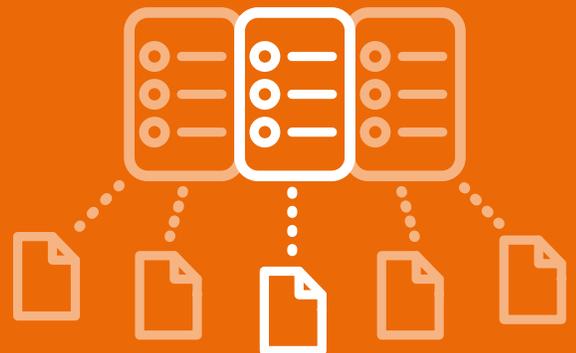
Extending File Services to your Hyper-Converged Infrastructures (HCI)

Your enterprise has just converted from a traditional three tier compute, storage and networking environment to an ESXi based hyper-converged solution. This solution is great for virtual machines/desktops and simplifying the network infrastructure, but your users still need to work day in and day out, and to do that you need traditional enterprise file services.

Enterprises are accustomed to enterprise features like integration with active-directory, snapshot and replication and that just cannot be accomplished with HCI by itself. Do you really want to buy more hardware again?

Nexenta's award winning fifth generation storage software, NexentaStor, allows you to easily add file services to your HCI using our software-defined storage (SDS) technology. Designed to give your existing infrastructure a pain-free update, this highly efficient, hardware independent, option runs as a VM, or pair of VMs on, your existing HCI cluster.

Maximize your current investment, expand outside of your initial workloads and broaden the use cases available via file services with NexentaStor VSA.

vCenter Plugin & NexentaFusion

Full Featured NFS & SMB File Services

Any VMware Datastore

VMware ESXi

Tintri BY DDN · CISCO · HyperFlex · & others
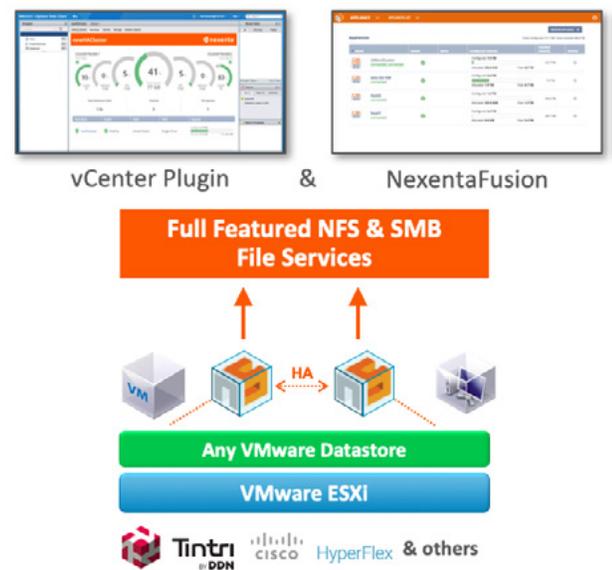
Best Use Cases

Innovative ways to optimize NexentaStor VSA and SAN/HCI include:

User Directories & Profiles	Branch Office Consolidation	Back-up	Line of Business Applications	Departmental Storage	Virtual Desktop Infrastructure

Deploying NexentaStor as a Virtual Storage Appliance (VSA)

NexentaStor VSA storage pools are built on VMDKs presented by the HCI cluster. They utilize the storage resiliency that is inherent to the core HCI storage array.

To enhance the reliability of the NexentaStor VSA, the use of the NexentaStor High Availability plugin allows for minimal downtime and automated failover of file services in the event of a virtual machine or HCI node failure.

This software-only, storage solution features a rich feature set including unlimited snapshots and clones, inline data reduction, thin provisioning and remote replication to any other NexentaStor or NexentaCloud appliance.

Built with the NexentaStor REST API, NexentaStor VSA can be integrated with existing Nexenta storage infrastructures and managed through the NexentaFusion interface or the VMware vCenter Plugin.
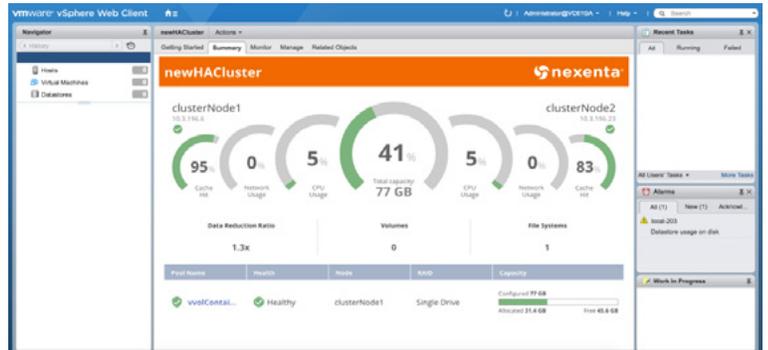
NexentaStor Benefits

Moving to a virtual storage appliance model doesn't mean waving goodbye to some of your favourite features.

NexentaStor VSA presents all of the following advanced storage system benefits:

- High performance NFSv3, NFSv4, SMB 2.1 and SMB 3
- Microsoft AD, LDAP and Kerberos integration

- Concurrent NFS & SMB sharing
- Simplicity to manage through NexentaFusion or vCenter Plugin
- Inline IO acceleration improving performance
- Capacity savings inline data reduction
- Integrated and scheduled snapshots
- Maintains data integrity during stressful tasks - network/disk, host recovery

- Security and domain control with AD
- High Performance Replication (scheduled & continuous)
- High Availability on Shared VMDK

To access more information about NexentaStor, go to nexenta.com/nexentastor or go to nexenta.com/downloads for a free trial

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