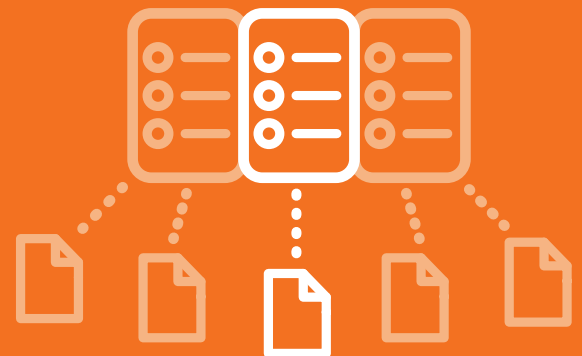


Software-Defined Technology for File on Tintri

Leveraging Tintri-Optimized NexentaStor VSA for Storage Consolidation Use Cases



Enterprise File Sharing (NFS and SMB)

Under the DDN family, both Nexenta by DDN and Tintri by DDN have collaborated to offer an option leveraging NexentaStor technology as a virtual NAS appliance for file services.

In today's virtualized datacenters, it is common to have different storage solutions used as primary storage for applications running in virtual machines/virtual desktops, and for general file sharing and user profile storage. There are increasingly more applications and uses cases, forcing some to look to different vendors to add on to their current deployment. Is adopting and integrating a different vendor solution the only answer, ultimately adding complexity? With inevitable growth and system lifecycles, there is an opportunity to consolidate file sharing on the same primary storage used to serve virtualization.



To take advantage of the opportunity for consolidation, Nexenta by DDN and Tintri by DDN have optimized software-defined storage for Tintri's infrastructure so that customers can serve their VM workloads alongside full-featured file services (NFS & SMB) under one, consolidated solution. This allows customers to capitalize on their investment with the addition of a software integrated into their existing storage. With a specialized Virtual Storage Appliance optimized for Tintri infrastructure, customers can seamlessly add software-defined file services to their existing virtualized environment.

Solution Highlights



Designed for Virtualization-VM-level Actions



Adding File Access



Full featured file services-NFS, SMB 2.1 and SMB 3.x, Active Directory Integration



Hardened support of Windows and Mac clients-Designed SMB server (NOT Samba)



Managed via vCenter Plugin or NexentaFusion-Flex or HTML5



Deployed as OVF on VMware ESXi-Pre-tuned to maximize performance and space efficiencies

Architecture Details

Easily deployed as an OVF on VMware ESXi hosts and the Tintri datastore, The NexentaStor VSA for Tintri is optimized to leverage the data reduction efficiencies and performance optimization inherent when storing data on Tintri infrastructure, and is designed for virtualization on VM-level actions. The NexentaStor VSA for Tintri is built with a mature homegrown SMB stack for Windows and Mac clients, and is easily managed via NexentaFusion or a VMware vCenter plugin (Flex or HTML5).

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

Solution Benefits

Customers that utilize NexentaStor for Tintri keep all of the benefits they know and love with Tintri while gaining some more.

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
- Simplicity with Automation
- 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
- Certainty with QoS
- Agility with Snapshots
- Adding File Access to all-flash infrastructures (10GbE & 40GbE) and built in deduplication
- Customer Support from Tintri
- Enterprise Feature Set
- Optimized for Tintri
- No Added Hardware

Use Cases



Home Directories & User Profiles



Line of Business Applications



Branch Office Consolidation



VDI

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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