



Nexenta VDI Storage Solutions Brief

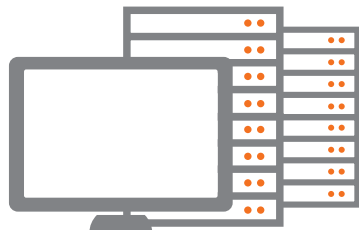
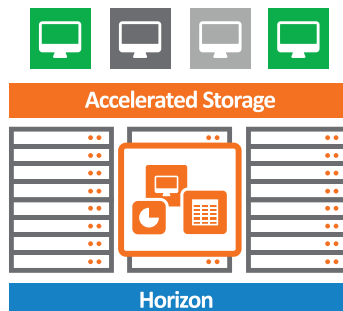
Acceleration, Automation, and Capacity for Proven VDI Storage

NexentaConnect for VMware Horizon is certified to offer specified workload performance for 1000 and 2000 seat VMware Horizon deployments using LoginVSI 4.1, and industry-standard workforce planning tool.

Virtual Desktop deployments enable enterprises to offer a more flexible and agile workplace for today's office workers. Employees can now access corporate applications, data and resources regardless of their physical location or hardware. Such desktop deployments reside on the same hypervisor-based solutions used for traditional servers but at a dramatically denser scale, meaning that the underlying storage to quickly become a bottleneck in both performance and cost.

NexentaConnect

Built with core Nexenta technologies, and designed from the ground up as an integrated VDI storage solution to improve desktop performance and density over traditional storage arrays. Combined with wizard-driven automation and powerful I/O acceleration, NexentaConnect can be deployed in a shared nothing architecture to support stateless desktops from POC to production.



VMware Horizon™ 6 (with View)

Delivers virtualized and remote desktops and applications through a single platform, supporting end user access to Windows and online resources via a unified workspace. NexentaConnect integrates seamlessly with Horizon 6 for a complete VDI Storage solution.



Software Defined



Desktop Acceleration



Increased Density



Advanced Analytics



Data Reduction

Nexenta VDI Storage Testing Overview

Performance Validation

VMware Proven Storage validation is completed using a simulated desktop workload scripted via the LoginVSI tool. This workload emulates a standard office worker's activities throughout the day and response times are measured to calculate the industry standard VSIBase and VSImax scores. The following activities are measured:

Measurement Action	Measure Related Resource
Start Microsoft Word and load a random document	CPU, RAM, and I/O
Start VSI Notepad and load a document	CPU and I/O
Open a file in VSI-Notepad	CPU, RAM, and I/O
Open Print in VSI-Notepad	CPU
Compress files with high compression	CPU
Compress files with no compression	I/O

Hardware Configuration

Deployed as a hyperconverged solution, all compute and storage nodes were integrated and identical. The following minimum specifications are replicated to complete the 1,000 and 2,000 seat deployments:

- Dual 6-core @ 2.9GHz processors
- 256 GB Memory
- 24x 500GB Hard Drives
- Dual-port 10GbE NIC

Attribute	Pool 1: Dedicated Linked Clones
vCPU	2
RAM	2048 MB
OS	Windows 7 Professional or Enterprise
Type of pool	Automated
User assignment	Dedicated
Automatic assignment	Enable
Virtual machine type	View Composer linked clone
Display	1 x 1600x1200
Default display protocol	PCoIP
Delete or refresh on log off	Refresh immediately
Persistent disk	Do not redirect
Disposable files redirection	2048MB
Select different datastores for replica and OS	Checked
Use View Storage Accelerator	Checked [OS disks]
Reclaim disk space	Optional
Guest customization	Use Quickprep



NexentaConnect for VMware Horizon is VMware Ready, designating the highest level of VMware endorsement for products and solutions created by its established partners.

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