



HPE Nimble Storage Solution for VMware Horizon View

VMware® Horizon View™ VDI

Businesses are increasingly turning to virtual desktop infrastructure (VDI) as they are forced to reevaluate how they manage end-point devices, secure data, and enable workplace mobility. However, there's great difficulty to deliver the storage performance expected by end users. Traditional storage architectures and other flash storage systems simply can't provide a comprehensive VDI solution. Sizing and maintaining a VDI environment is challenging, inconsistent performance disappoints users, and costs escalate as VDI deployments grow.

platform that includes both all-flash arrays and adaptive flash arrays for a tailored VDI fit. It helps deliver absolute performance, scale without disruption, and simplify operations.

Deploy flash performance tailored for your business

VDI requires the storage to handle bursty IOPS (from boot storms, patching, and antivirus scans), read IOPS, and write IOPS very well. In steady state, the majority of IOPS are usually write IOPS. HPE NimbleOS delivers on both write and read VDI performance with either flash or disk. In an all-flash array, HPE NimbleOS delivers fast read and write performance from flash. In an adaptive flash array, HPE NimbleOS delivers fast read performance from flash and is unconstrained by disk writes because all data is written to disk in large sequential stripes.

“We were absolutely floored at the difference in performance.”

– Brian Troudy, director of networking and infrastructure, Corona-Norco Unified School District

HPE Nimble Storage Solution

HPE Nimble Storage Predictive Flash platform with VMware Horizon View delivers a **VDI experience** that delights your end users while accelerating ROI for VDI deployments. HPE Nimble Storage Multicloud Flash Fabric, together with predictive analytics, enables businesses to deploy a single

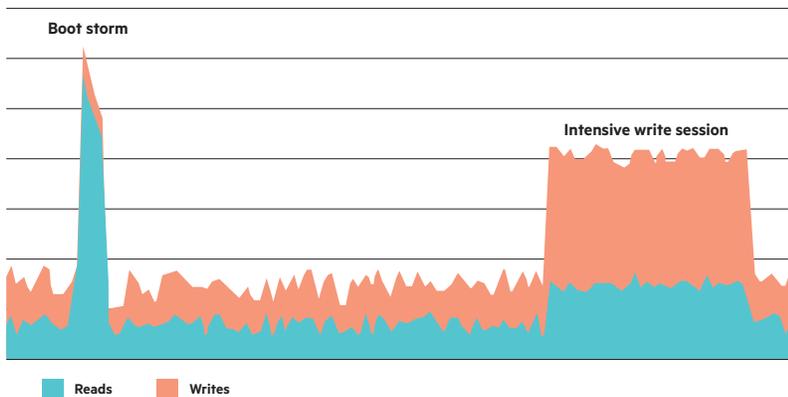


Figure 1. HPE Nimble Storage addresses the challenges of Boot storms



Get significant capacity savings

HPE Nimble Storage arrays offer massive capacity savings for VDI that can result in 4X to 10X space savings or more.¹ This allows you to deploy persistent and nonpersistent desktops that match the needs of your business without worrying about ballooning capacity. Data reduction capabilities include:

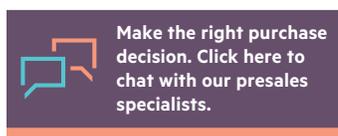
- Content aware deduplication to ensure that data is efficiently deduplicated between VDI-specific blocks
- Variable block compression to extend data reduction beyond just deduplication
- Zero pattern elimination to reduce the space consumption of zero strings
- Zero copy clones that can be leveraged to clone base VDI images without any added capacity use

Scale seamlessly without the guesswork

HPE Nimble Storage arrays let you scale capacity and performance nondisruptively within an array or scale out with up to four arrays managed as one. You can start small with VDI deployment for hundreds of users with the confidence to scale your deployment to thousands of users as business needs grow.

HPE InfoSight predictive analytics helps you monitor your entire VDI environment at a click of a button from any web browser. You can be sure that whether you need performance or capacity; you're adding exactly what you need without wasting resources on what you don't.

[It's All About Data Reduction](#)



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Figure 2. HPE InfoSight predictive analytics monitors your entire VDI environment

Unique value from HPE InfoSight VMVision

VMVision, a part of HPE InfoSight predictive analytics, provides a granular view of the resources used by every virtual machine (VM) that is connected to an HPE Nimble Storage array. It enables you to correlate the performance of VMs in a datastore with insights into hypervisor and host resource constraints such as vCPU, memory, and network. HPE InfoSight VMVision helps you determine VM latency factors, whether from the storage, the host, or the network. It also helps you take corrective action on noisy neighbor VMs and reclaim space from underused VMs. Every hour, through the heartbeat mechanism, the correlated statistics are sent to HPE InfoSight for processing. No additional host-side agents, tools, or licenses are necessary for this feature to work. HPE InfoSight VMVision also gives the ability to find inactive desktops, thereby those VMs can be refurbished to get unused resources back into the pool.

Simplify management, operations, and disaster recovery

HPE Nimble Storage Multicloud Flash Fabric lets you cluster both all-flash arrays and adaptive flash arrays and manage

them as one. It lets you choose all flash for absolute performance or adaptive flash to cost-effectively deliver high performance. You can even move VDI desktops between all flash and adaptive flash to meet changing performance needs. In fact, HPE Nimble Storage Multicloud Flash Fabric is so versatile that you don't need to deploy a separate storage silo just for VDI—now you can deploy VDI alongside business applications on the same storage platform without compromising performance and cost.

HPE Nimble Storage arrays also help you leverage VDI for business continuity. By replicating to an adaptive flash array at a disaster recovery sight, you can cost-effectively maintain a business continuity solution for your workforce at one-third of the cost.

Get started

HPE Nimble Storage is the ideal storage platform for your VDI deployment. It delivers flash performance that scales seamlessly, data analytics with alerting through HPE InfoSight, and simplified management of your entire storage infrastructure through HPE Nimble Storage Multicloud Flash Fabric.

Learn more at hpe.com/storage/nimble

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