



# HPE Nimble Storage Solution for Citrix XenDesktop

## Citrix® XenDesktop® and XenApp

“Easier management and better TCO are always great, but the most important benefit is that we are able to give our remote users better application performance with the HPE Nimble Storage arrays.”

– Large oil and gas company

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 in delivering the storage performance expected by end users because traditional storage architectures and other flash storage systems simply can’t provide a comprehensive VDI solution. Inconsistent performance disappoints users, costs escalate as VDI deployments grow, and sizing and maintaining a VDI environment is challenging.

deploy a single 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 to 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 Nimble Storage Solution

**HPE Nimble Storage Predictive Flash platform** with Citrix XenDesktop and XenApp 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

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.

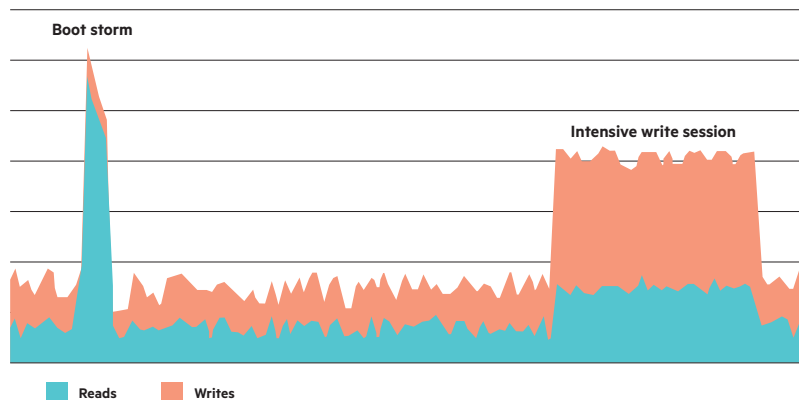


Figure 1. HPE Nimble Storage addresses the challenges of Boot storms



## Solution brief

### Get significant capacity savings

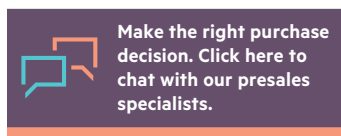
HPE Nimble Storage arrays offer significant capacity savings for VDI that result in 4X to 10X space savings or more.<sup>1</sup> This allows you to deploy persistent and nonpersistent desktops that match the needs of your business, without worrying about ballooning capacity. Data reduction capabilities 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 to grow.

**It's All About Data Reduction**



Sign up for updates

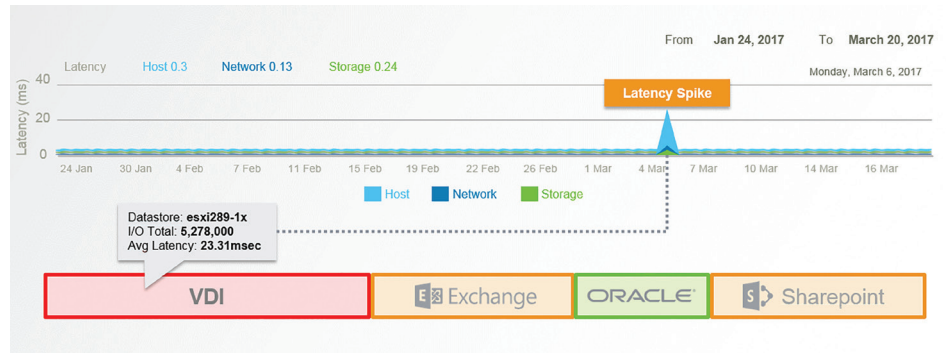


Figure 2. Diagnose abnormal latency with HPE InfoSight VMVision

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.

### 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. It delivers flash performance that scales seamlessly, data analytics with predictive alerting, and simplified management of your entire storage infrastructure through HPE Nimble Storage Multicloud Flash Fabric.

Learn more at [hpe.com/storage/nimble](http://hpe.com/storage/nimble)

© Copyright 2017 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

Citrix and XenDesktop are registered trademarks of Citrix Systems, Inc. and/or one more of its subsidiaries and may be registered in the United States Patent and Trademark Office and in other countries. All other third-party trademark(s) is/are property of their respective owner(s).

a00025864ENW, November 2017