

# ULTIMATE STORAGE FOR VMWARE HORIZON

Superior end-user experience. Effortless management. Lower TCO.



“Thanks to the all-flash performance, students were able to take full advantage of the resources provided to them via our VDI to run compilations quickly and smoothly.”

– Samuel S.K. Kwan, PhD  
Director, Information  
Technology Services Center

## THE VDI CHALLENGE

Virtual Desktop Infrastructure (VDI) is the “perfect storm” of difficult workloads for most infrastructure, particularly traditional storage arrays. When VDI implementations fail, either technically or economically, the root cause is often overloaded storage. The most common challenges faced in VDI deployments include:

**Performance and Availability:** With productivity on the line, virtual and mobile desktops simply have to provide the uninterrupted performance users demand. Downtime and slow desktops simply aren’t an option.

**Cost Containment:** Storage is typically the largest cost of any infrastructure component when deploying VMware Horizon, accounting for 50% or more of infrastructure spending. Keeping storage costs low and predictable is key.

**Seamless Scalability:** Storage systems can quickly become overloaded, running out of performance or capacity when faced with VDI at production scale. Most storage infrastructure can be challenging – and costly – to manage at scale.

## THE PURE STORAGE SOLUTION

The Pure Storage FlashArray//M and FlashArray//X are powerful, simple, and resilient all-flash storage – featuring the industry’s most granular and comprehensive data reduction and power, cooling, and space savings that enable a lower TCO than disk. Easy to install, and simple to manage and scale. Forget about end-user experience challenges – you’ll get consistent sub-ms latency, disruption-free through maintenance and upgrades. And best of all, you’ll get the power and efficiency to consolidate and secure your other mission-critical workloads alongside your Horizon VMs.

### HOW PURE IS DIFFERENT

- Superior end-user computing experience
- Lower storage costs and TCO for VDI
- All-flash performance and non-disruptive operations through HW and SW upgrades
- Industry-leading data reduction
- Simple to install and manage
- Seamless scalability and resilience
- Easily grow from pilot to thousands of users
- Secure VDI with always-on data-at-rest encryption
- VMware Elite Technology Alliance Partner with certified solutions for vSphere, vRealize, and Horizon

# THE PURE STORAGE ADVANTAGE



## ALL-FLASH SPEED AND SECURITY

VDI security (always-on encryption) and mobility with consistent <1ms latency that outperforms a laptop with local SSD.



## 100% FLASH FOR LESS THAN DISK

Realize TCO below the cost of disk with data reduction typically > 10:1 and 2-3x savings on data center power, cooling, and space for VDI workloads.



## SIMPLEST ADMINISTRATION

Desktop admins don't want to be storage admins. Pure Storage is simple to install and configure – it's the easiest storage you'll ever manage.



## SCALE AND RELIABILITY

With your organization's productivity on the line, VDI is mission-critical. Pure Storage delivers high availability, consistent performance, and non-disruptive operations.



## MULTIPLE WORKLOADS

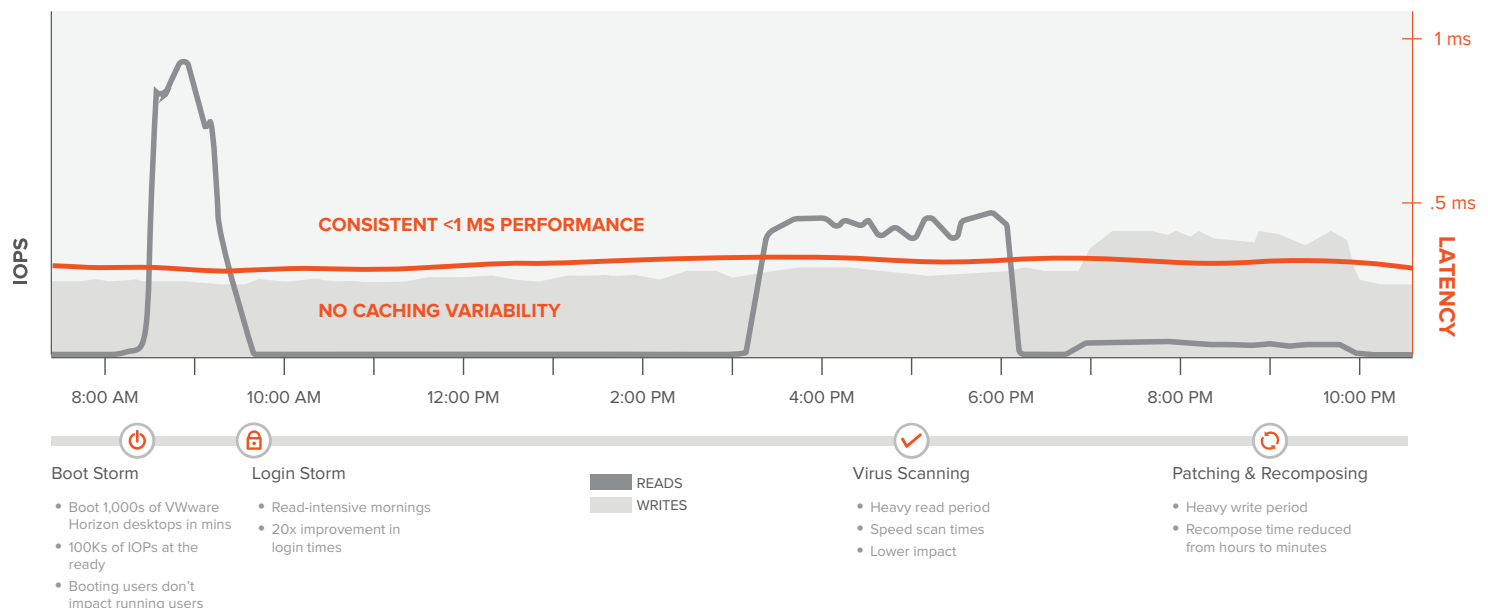
Consolidate Horizon VMs alongside server and database workloads with no performance impact.



## FLOATING OR DEDICATED

Both floating and dedicated desktops reduce to the same space on the FlashArray.

# EXTREMELY PREDICTABLE USER EXPERIENCE



## SCALE CONFIDENTLY AND SEAMLESSLY

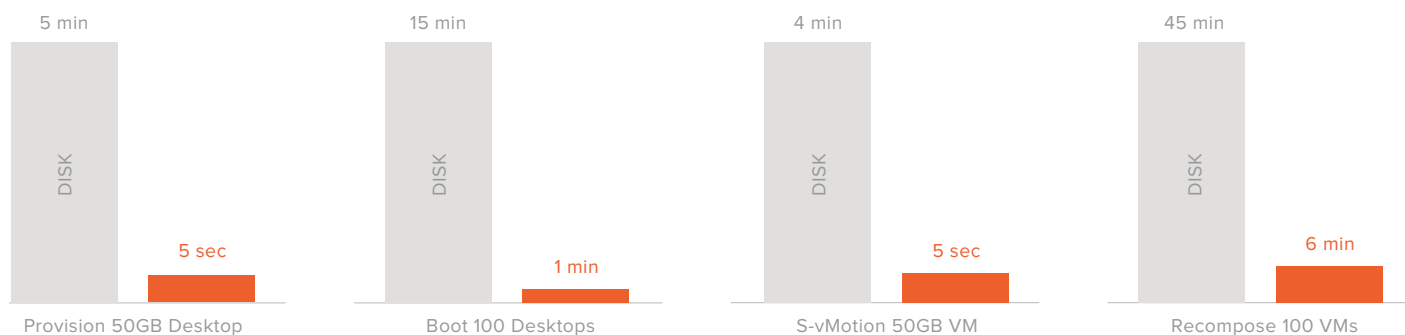
From pilot to production, scale your VDI/EUC without disruption. Pure is a VMware Elite Technology Alliance Partner and a Horizon Fast Track partner offering certified solutions for vSphere, vRealize, and Horizon virtualization platforms.

EXAMPLE CONFIGURATIONS	//X10	//X20	//X50	//X70	//X90
VMWARE HORIZON VMs*	100 – 2,000	2,000 – 4,000	3,000 – 7,000	7,000+	8,500+
RAW CAPACITY	Up to 20 TB	Up to 87 TB	Up to 185 TB	Up to 366 TB	Up to 878 TB
EFFECTIVE VDI CAPACITY*	Up to 55 TB in 3U	Up to 275TB in 3U	Up to 650 TB in 3U	Up to 1.3 PB in 3U	Up to 3 PB in 6U

\* Assuming typical data reduction rates. Note: best practices suggest limiting any single VDI deployment to no more than 5000-7500 desktops per infrastructure component.

## SIMPLIFY AND ACCELERATE MANAGEMENT

Pure Storage makes the administrator experience faster and easier.



## ACCELERATE VMWARE HORIZON DEPLOYMENT

The Pure FlashStack™ solution from Cisco and Pure Storage is a converged infrastructure solution that brings the power and efficiency of all-flash storage to your entire data center – whether you start small or go big. FlashStack for VMware Horizon is pre-tested and validated as part of a Cisco Validated Design (CVD) and has been proven to provide exceptional VDI performance at scale. FlashStack includes industry-leading components: Cisco UCS, Cisco Nexus, and the Pure Storage FlashArray.

