

FlashStack Converged Infrastructure for Virtual Desktops (VDI)

Simple, Rapid Deployment of 100% Flash Infrastructure for VMware Horizon View and Citrix XenDesktop



The Challenge: Quick, efficient deployment of reliable, high-performance virtual desktops

Slow or erratic virtual desktops can bring productivity to a halt and result in angry users and soaring costs. At the root most failed VDI deployments is slow, complex infrastructure that is unable to provide the necessary performance or unable to scale with production VDI deployments. Solving the infrastructure problem is key to a successful VDI environment.

Yet the deployment of virtual desktop infrastructure can be complex, time consuming, and costly. IT departments are increasingly looking to converged infrastructure and integrated architectures to alleviate these problems and to help standardize and consolidate desktop workloads. Unfortunately, existing converged infrastructure solutions are based on old, slow, inefficient disk storage or on non-optimized hybrid storage systems.— making them unsuitable for workloads like VDI that demand an always-on high-performance foundation.

The Solution: FlashStack Converged Infrastructure

Make your organization faster by accelerating applications, increasing revenue, driving higher productivity out of staff and systems, and creating a sustainable advantage. FlashArray//m's performance can also make your business smarter by unleashing the power of real-time analytics, driving customer loyalty, and creating new, innovative customer experiences that simply weren't possible with disk.

High Performance and Scalable

Deploy thousands of desktops in minutes on a single FlashStack

- Achieve consistent sub-millisecond latency to eliminate performance bottlenecks and keep users productive
- Consolidate 5000 or more desktops on a single FlashStack
- Scale deployment size easily, without disrupting VDI users
- Provide repeatable growth through multiple FlashStack CI deployments

Operational Simplicity and Speed

Manage VDI infrastructure as a unit with VMware vCenter

- Supports a range of management and orchestration tools
- Fully tested, validated, and documented for rapid deployment
- Simplify storage operations with the Purity Operating Environment
- No storage tuning or tiers necessary

Enterprise-Grade

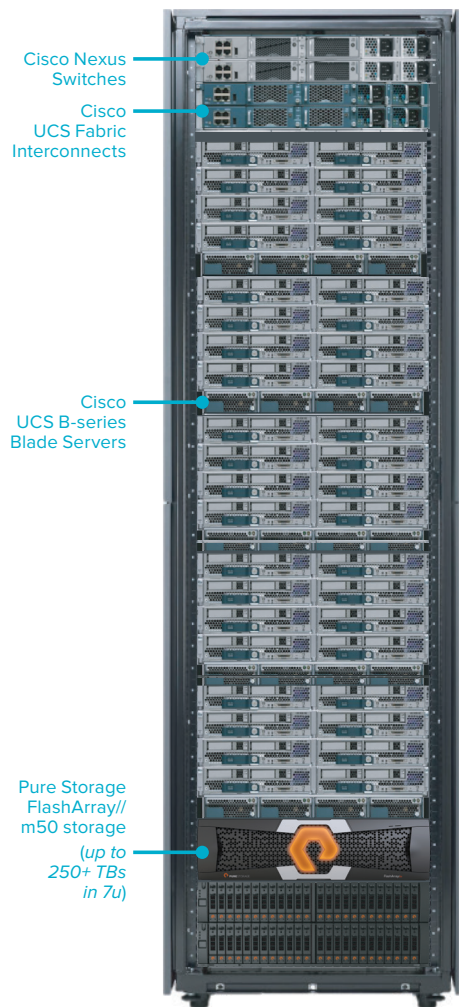
Keep vital desktops online with > 99.999% uptime

- Highly available architecture, redundant components and Pure1 support keep desktops available, always
- Protect data with storage-native Snapshots and Replication at no additional cost
- Seamless upgrades and capacity expansion in server, network, and storage components.

Economical

Lower total cost per desktop with >10:1 data reduction

- Lower TCO with dramatic savings in power, cooling, management and space with 100% All-Flash
- Free yourself from forklift upgrades forever with investment protecting Evergreen Storage



FlashStack CI is an efficient, quick-to-deploy infrastructure foundation for VMware Horizon View and Citrix XenDesktop



Improve desktop performance and user experience while saving data center space and power. Scale from hundreds to thousands of desktops and provide productivity users with persistent, custom workspaces.

Configuration includes

- VMware Horizon 6.0
- VMware vSphere
- Cisco UCS B200 servers in UCS 5108 chassis
- Cisco UCS 6248UP Fabric Interconnects
- Cisco Nexus 5548UP switches
- Pure Storage FlashArray//m storage



Virtualize mobile workspaces and applications with ease with FlashStack CI for Citrix XenDesktop. Scale with ease from pilot to full production deployment, up to thousands of simultaneous desktops.

Configuration includes

- Citrix XenDesktop 7.6.1
- VMware vSphere
- Cisco UCS B200 servers in UCS 5108 chassis
- Cisco UCS 6248UP Fabric Interconnects
- Cisco Nexus 5548UP switches
- Pure Storage FlashArray//m storage

* See FlashStack Converged Infrastructure Reference Architectures for specific versions validated

Scale desktops quickly and linearly without performance degradation

FlashStack CI provides linear, non-disruptive scalability for VDI environments. Even with resource-intensive productivity desktops, system latency remains low as desktop number scales from hundreds to thousands.

