

# FlashStack Converged Infrastructure

Simple, Rapid Deployment of 100% Flash  
Business-Critical IT Infrastructure



## The Challenge: Data Center Complexity

The deployment of data center 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 workloads.

Unfortunately, existing converged infrastructure solutions are based on old, slow, inefficient disk storage or on unreliable and expensive flash systems. The resulting architectures are too expensive, perform poorly, or have significant downtime windows – making them unsuitable for the consolidation of business-critical applications and workloads.

## The Solution: FlashStack Converged Infrastructure

FlashStack CI is a flexible, all-flash converged infrastructure solution that brings the flash revolution to your data center, faster. It combines the latest in compute, network, storage hardware and virtualization software, into a single, integrated architecture that speeds time to deployment, lowers overall IT costs and reduces deployment risk. Highly efficient components reduce the costs associated with power, cooling and data center space. Based on 100% flash storage, FlashStack CI provides the performance and reliability business-critical applications demand.

FlashStack CI is available from accredited FlashStack Partners who help provide an excellent converged infrastructure ownership experience. FlashStack Partners have the knowledge and experience necessary to help streamline the sizing, procurement, and delivery of your entire system.

### High Performance & Scalable

#### Faster response times

- Consistent sub-millisecond latency with 100% flash storage
- Consolidate 100s of enterprise-class applications in a single rack
- Scale easily, without disruption
- Repeatable growth through multiple FlashStack CI deployments

### Operational Simplicity

#### Accelerate time-to value

- Fully tested, validated, and documented for rapid deployment
- Reduced management complexity
- Auto-aligned 512b architecture eliminates storage alignment headaches
- No storage tuning or tiers necessary

### Enterprise-Grade

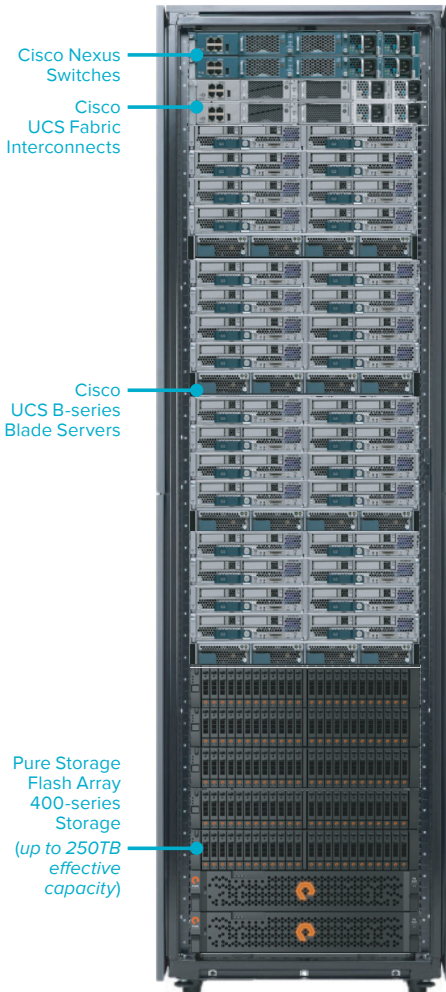
#### Dependable for all applications

- Highly available architecture and redundant components
- Non-disruptive operations
- Upgrade and expand without downtime or performance loss
- Native data protection: snapshots and replication

### Economical

#### Lower TCO

- Dramatic savings in power, cooling and space with 100% Flash.
- Industry leading data reduction
- Free FlashArray controller upgrades every three years with Forever Flash™





Perfect for Microsoft SQL deployments that require high performance that is easy to deploy, scalable and highly available. The FlashStack CI for Microsoft SQL Server solution helps IT departments build simple, repeatable SQL infrastructure that provides predictable performance and lower total costs.

#### Benefits

- Rapid, simple deployment and reduced infrastructure costs
- Faster reports and queries
- Reliable performance without downtime/outages
- DR capabilities with AlwaysOn Availability Groups and native storage-based replication



Virtualize mobile workspaces and applications with ease and performance with Pure Storage and Citrix XenDesktop. Scale with ease from pilot to full production deployment, up to thousands of simultaneous desktops.

#### Benefits

- Up to 7500 productivity desktop VMs in a single rack
- High quality user experience with high performance and low latency.
- Highly scalable, from 100 to thousands of desktops.



Perfect for mission critical applications and databases. Architecture and sizing based on “real world” mixed workloads with realistic compute and storage profiles. Supplies the resilience and non-disruptive operations to keep key workloads online, even through upgrades and expansion.

#### Benefits

- Consolidate 100s of enterprise-class VMs in a single rack
- Suitable for even large resource-intensive workloads such as real-time analytics or heavy transactional databases
- Mix production, analytics, dev/test, and backup workloads



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.

#### Benefits

- Supports even high-performance knowledge worker desktop profiles at large scale
- Consistent <1ms latency for a “better than physical desktop” end user experience
- Highly scalable – grow from 100s up to 3000 desktops in one standard-sized rack



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