



## AT A GLANCE

# FlashStack™ – Cutting Edge Converged Infrastructure



### THE CHALLENGE: DATA CENTER COMPLEXITY

Today's digital markets are more unpredictable than ever before. As data explodes and organizations change, they need an infrastructure that responds rapidly. For example, it could be an acquisition of a new organization, a change in data laws that requires more data to be securely stored and held for longer, or the need for a more modern application that takes advantage of and provides cloud services.

Organizations need infrastructure platforms that not only optimize cost but also provide agility to respond to changing organization requirements, helping to keep up with known and emerging competitors, and customer demands. And, to move to multi-premises, cloud infrastructure for optimized operations and modernized applications, data center managers need infrastructure solutions that are highly available and that provide secure environments for multi-cloud deployments.

### MODERNIZE YOUR CLOUD

*Disaggregated architecture with Evergreen™ Storage*

### ACCELERATE TIME TO...

*Simple, no trade off architecture to ensure success*

### ELIMINATE SILOS

*Enterprise performance and availability for all workloads*

### ENABLE MULTI-CLOUD

*Natively extend private to public clouds*

### A NEW APPROACH: FLASHSTACK CONVERGED INFRASTRUCTURE

Cisco and Pure Storage deliver FlashStack, a modern converged infrastructure (CI) solution that is smarter, simpler, smaller – and more efficient than ever before. FlashStack is virtual machine-aware and hybrid cloud-ready, while retaining the predictability and efficiency advantages of dedicated compute and storage tiers. With FlashStack customers can modernize their operational model, stay ahead of business demands, and protect and secure their applications and data, regardless of the deployment model on premises, at the edge, or in the cloud.





### FlashStack™ with FlashArray

- Data Center Consolidation or Hybrid Cloud
- Cisco UCS B-Series or C-Series Servers
- All-Flash Block Storage
- Fibre Channel or iSCSI



### FlashStack™ with FlashBlade™

- Data Warehouse, Analytics or Artificial Intelligence
- Cisco UCS B-Series or C-Series Servers
- All-Flash File & Object Storage
- NFS or S3



### FlashStack™ Mini

- Entry-Level Deployments or Specialized Applications
- Up to 16 Cisco UCS B-Series Blade Servers
- Starting at 5TB All-Flash Block Storage
- Fibre Channel or iSCSI

## THE FLASHSTACK ADVANTAGE

- Simple no trade-off architecture eliminates disparate hardware silos
- Proven, validated inter-operability and for confident application deployment
- Infrastructure for both traditional and converged operating models so you can consolidate operations at your pace
- Converged infrastructure for multi-hypervisor, bare metal or container deployments
- Built for the cloud, including full integration with cloud platforms from Cisco, VMware, OpenStack and others

## ARCHITECT ONCE AND ADOPT NEW TECHNOLOGY WITHOUT DISRUPTION

IT Infrastructure sprawl hinders the agility needed to adapt to changing business dynamics and the ability to scale on demand. As a result, new technology is slow to deploy requiring regular and time-consuming changes to data center architectures. FlashStack's fully modular and non-disruptive architecture abstracts hardware into software for non-disruptive changes which allow customers to seamlessly deploy new technology without having to rearchitect their data center solutions.

## REDEFINE BUSINESS CONTINUITY AND DISASTER RECOVERY

Business continuity is a major requirement for most enterprises, regardless of size. FlashStack delivers high availability (HA) by leveraging Cisco and Pure technologies: Cisco UCS, Nexus switching with ACI Anywhere, and Purity ActiveCluster together provide these capabilities.

ActiveCluster has use cases within and between data centers. It enables live migration between any two FlashStack systems, or rack-level HA clustering of four controllers for maximum resiliency. ActiveCluster really shines in the metro use case: simply take a running volume and "stretch" it between two sites up to 150 miles apart, with zero additional configuration required. Finally, ActiveCluster is fully-integrated with asynchronous snapshot replication, enabling a third replication copy to be set to a datacenter anywhere on the globe.

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