VMware vSphere Built on FlexPod Data Center Solution

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The FlexPod® data center platform is designed to help your organization transition to the cloud. FlexPod offers a highly adaptable multiprotocol unified architecture across compute, network, and storage layers. It is composed of Cisco UCS™ servers, Cisco UCS Manager, the Cisco Nexus® family of switches, and NetApp® FAS storage arrays with a complete data and storage management software suite. FlexPod also supports NetApp Data ONTAP® 8 clustering for a unified solution that's always on and scales easily to tens of petabytes to accommodate and complement highly virtualized infrastructures.

VMware® vSphere® built on FlexPod is a validated solution for virtualized environments, jointly developed by Cisco, NetApp, and VMware. It augments all of the Cisco and NetApp hardware and software components with VMware vSphere and vCenter™. VMware vSphere built on FlexPod offers right-sized, standardized configurations and processes for consistent deployments that eliminate guesswork, enabling your organization to efficiently transform your data center with minimal risk.

Transform Your Data Center 50% Faster with an Adaptable, Prevalidated Data Center Solution

VMware vSphere built on FlexPod differs from other virtualized data center offerings by providing:

- **Highly scalable architecture.** Scales up within each architectural component or out to meet today's requirements and future growth—from basic virtualization through IT as a service—on a single platform, including the ability to add storage nodes and massively expand single FlexPod storage capacity.
- **Flexible IT for any cloud environment.** Simultaneously supports a variety of mixed application workloads and can be optimized for virtual desktop or server infrastructures, secure multi-tenancy, and private or public cloud environments.
- **Adaptable, always-on architecture.** Provides high-availability redundancy at server, network, and storage layers to absorb failures without affecting users, and improves service levels by automatically assigning data to optimal storage tiers.
- **Data center efficiency.** End-to-end virtualization delivers higher consolidation, boosts utilization across all layers, and allows resource pools, including an entire storage cluster, to be managed as a single dynamic IT asset.
- **Transparent data mobility.** Eliminate planned downtime with nondisruptive data migration for load balancing, maintenance and technology refreshes.

KEY BENEFITS

- Gain best-in-class technology from three industry leaders on one unified infrastructure
- Accelerate deployment by 50%[1] and reduce risk with fully validated, standardized configurations
- Slash capex and opex with optimized resource utilization and centralized management of your virtualized environment
- Enhance IT flexibility and investment protection with an adaptable architecture that easily scales for the future without design changes
- Reduce risk with an always-on architecture and built-in high-availability redundancy at each layer
- Eliminate planned downtime with nondisruptive data mobility across storage systems

1. Based on lab testing of solution conducted by Cisco and NetApp.

FlexPod™

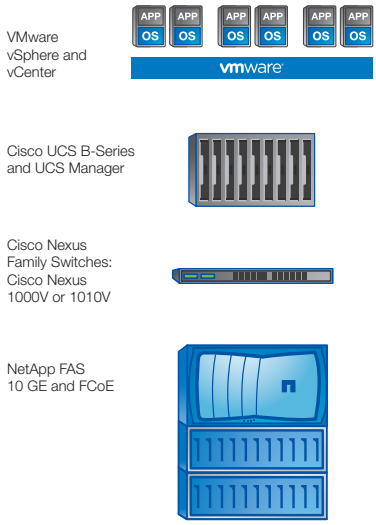

Figure 1. VMware vSphere on FlexPod in Cluster-Mode.

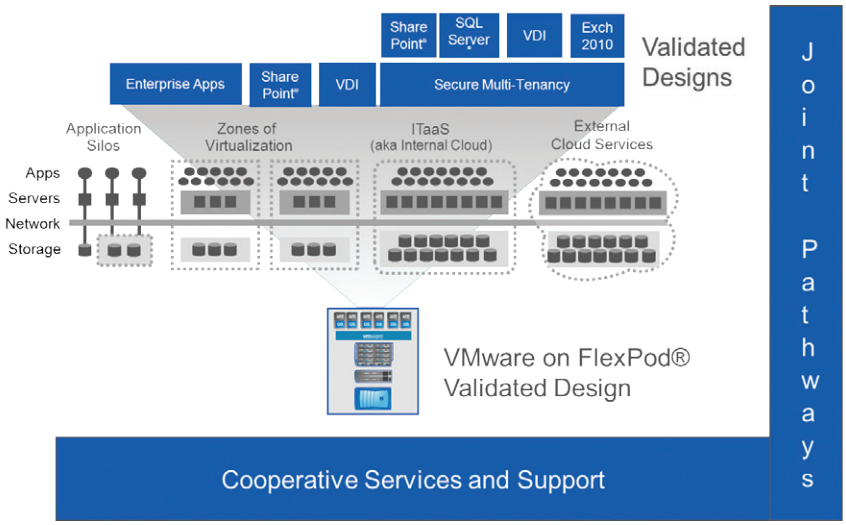

Figure 2. Simplify your journey to ITaaS.

- **Investment protection.** Standardized and unified platform leverages your existing infrastructure and scales to meet the largest data center requirements without disruption or future architectural changes.
- **Centralized, open management.** Tight integration and open APIs reduce administrative cost and complexity by enabling server, network, and storage layers to be managed from a single vCenter console or with existing validated third-party orchestration solutions.

Partners' Value-Added FlexPod Data Center Solutions

Mutual Cisco, NetApp, and VMware partners are dedicated to helping organizations solve problems by using our proven technologies and methodologies. These world-class IT services and solutions organizations have joined forces with industry leaders NetApp, Cisco, and VMware to deploy a unified, highly scalable next-generation data center architecture composed of innovative solutions that help you rapidly deliver flexible IT in your business.

Cooperative Support for Rapid Resolution

Our cooperative support model offers a well-coordinated, streamlined response from Cisco, NetApp, and VMware. It includes a unified FlexPod support lab with colocated experts to simulate, identify, and rapidly resolve problems. With global 24/7 access, you get expert technical support whenever you need it.

Let's Get Started

To learn how the VMware vSphere on FlexPod data center solution can enable you to transform your data center into a shared infrastructure, go to *www.netapp.com/flexpod/vmware.*

About NetApp

NetApp creates innovative storage and data management solutions that deliver outstanding cost efficiency and accelerate business breakthroughs. Discover our passion for helping companies around the world go further, faster at *www.netapp.com*.

Go further, faster®

Solution Components
Leading Components from VMware, Cisco, and NetApp
VMware vSphere, VMware vCenter
Cisco Unified Computing System and Cisco Nexus family switches
NetApp FAS, Data ONTAP operating in cluster mode and complete software suite

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