

FlexPod®

Get the Most from Your Private Cloud

FlexPod Datacenter with Microsoft Private Cloud Fast Track and Cisco Nexus 9000 Series Switches

You can move to the cloud more quickly by deploying cloud infrastructure as a service. With this approach, you help ensure that users get the resources they need, when they need them. And you retain flexibility and control.

Accelerate Your Move to Shared Cloud Infrastructure

Keeping pace with dynamic priorities requires agility. Many organizations are considering the use of cloud computing to transform the way they compete, collaborate, and consume business services. Although the potent mix of simplicity, faster innovation, and lower costs is attractive, many organizations want more control over, and more flexibility from, their shared resources.

This FlexPod® solution gives you a validated approach for deploying shared cloud infrastructure as a service. You can take advantage of an infrastructure that is built to deliver IT efficiency and support

IT innovation while increasing control and customization through dedicated private cloud resources.

Trust a Proven Approach

The solution uses the FlexPod Datacenter platform based on Cisco Unified Computing System™ (Cisco UCS®), Cisco Nexus® 9000 Series Switches, and next-generation NetApp® fabric-attached storage (FAS) systems. Combined with Microsoft Private Cloud Fast Track, which uses the core capabilities of Microsoft Windows Server, Microsoft Hyper-V, and Microsoft System Center, the solution makes it easy to deliver private cloud infrastructure as a service offering.

Reduced Complexity and Risk

Working through the Microsoft Private Cloud Fast Track program, the solution delivers preconfigured infrastructure that reduces the complexity of your private cloud environment. Tested, validated, and documented through a Cisco®

Validated Design, the solution reduces risk and guesswork by giving your architects and administrators a guidebook for implementing the solution. By following the guidelines in this Cisco Validated Design, you can create a foundation that helps protect against compromise while delivering a simplified, standardized, and trusted approach for the use and management of your private cloud resources.

Rapid Deployment of Private Cloud Infrastructure and Applications

When deploying a private cloud as a service, you want to help ensure that users get access to the right type and amount of resources when they need them. The solution provides a template-based approach for your IT teams. Your IT staff uses service templates to define standardized application blueprints, including specifications for the hardware, operating system, and application packages that need to be deployed. Because the solution is template



and policy based, all infrastructure is delivered using the standards that you establish, accelerating deployment and helping ensure greater compliance, enhanced security, and fewer configuration problems that can cause deployment delays and application downtime.

By coordinating the provisioning of physical and virtual computing, networking, and storage components, you can meet client needs in minutes without human intervention.

Flexible Configuration

Every organization has a unique data center and private cloud deployment that addresses specific IT and business requirements. Designed with flexibility in mind, the solution offers an integrated foundation—servers, networking, storage, and software—in a single package. Whether you need a single rack deployment or choose to place networking in a separate location to match your data center design, the solution can flex with you.

Massive Scalability

You can expand your private cloud deployments as demand changes. You can purchase exactly the infrastructure you need for your private cloud today and scale up (by adding more resources to the FlexPod system) or scale out (by adding more FlexPod instances to

FlexPod Fast Facts

FlexPod	Benefits
Jointly delivered by Cisco and NetApp, the FlexPod platform is a ready-to-use, private cloud platform that has been validated by Microsoft to run Microsoft applications.	FlexPod solutions can help your organization: <ul style="list-style-type: none">• Accelerate your journey to the cloud with a preconfigured solution• Approach private cloud deployment with confidence• Scale your environments up and out with ease• Lower total cost of ownership• Reduce guesswork and risk with a validated solution

your private cloud infrastructure). With the massive east-west scalability of the leaf-and-spine network architecture created with Cisco Nexus 9000 Series Switches, you can deploy private cloud environments that span multiple FlexPod instances to support more users, applications, and services.

In addition, you can deploy more (or different) blade servers and chassis to increase computing capacity, add disk storage shelves to improve I/O capacity and throughput, or roll out special software to introduce new features.

Low Total Cost of Ownership

Your private cloud environments should work with you, not against you. Based on Cisco UCS Integrated Infrastructure, this FlexPod solution can help you get more work done with the same (or fewer) resources. With these innovative solutions, your IT staff can run more cloud services on fewer servers, so you

need to buy and manage fewer components. These solutions can also reduce cabling, power, and cooling requirements and automate routine tasks to increase productivity.

Get Worry-Free Support

Many NetApp and Cisco certified channel partners sell FlexPod solutions throughout the world. NetApp and Cisco offer a cooperative support model that takes advantage of the combined experience, resources, and technical support expertise of NetApp and Cisco experts. You get a simplified process for identifying and resolving a FlexPod support issue, regardless of where the problem resides.

For More Information

- Learn more about [FlexPod](#)
- Read the [Cisco Validated Design](#)

