FlexPod®

Gain Radical Simplicity Using FlexPod with Infrastructure Automation

Imagine ordering a complete infrastructure and having it arrive in just a few days. Then provision that entire infrastructure, both physical and virtual, in minutes.

If your company is like most, you have ongoing goals to reduce operational complexity and accelerate the deployment of new applications, especially revenue-generating applications. One way to achieve these goals is to more tightly integrate all the many layers that comprise the application infrastructure, making them easier to deploy and manage. This FlexPod solution—with Cisco UCS® Mini and NetApp FAS storage and infrastructure automation—radically simplifies the ordering, delivery, and installation processes so that you can more quickly deploy solutions at remote and branch locations.

FlexPod with infrastructure automation is a powerful and radically simplified solution that leverages the familiar Cisco UCS and FlexPod management experience. It is backed by a worldwide cooperative support model that makes it easy and cost effective to own.

Easy to Order

Cisco, NetApp, and our partners offer a simplified ordering process to make purchasing this FlexPod solution easy. You can now in just a few days order, receive, and deploy a powerful and radically simplified solution that integrates with the rest of your Cisco Unified Computing System™ (Cisco UCS) and FlexPod infrastructure. You no longer need to create an island of infrastructure to meet your requirements.

Highlights

Business Agility Through Simplification

This FlexPod solution includes Cisco UCS® Mini and NetApp FAS storage delivered as a single system in a rack and fully cabled.

Virtualized Infrastructure in Less Than One Hour

Use infrastructure automation that accelerates configuration of all infrastructure components for simplified deployment and faster time to value.

No Compromises

Cisco UCS management delivers a simplified management experience while maintaining the features for which FlexPod is known: the flexibility to scale in any dimension and reduced risk through prevalidation and worldwide support.

FlexPod with Infrastructure Automation Using Cisco UCS Mini

Management Node

Cisco Nexus 9000 Series Switches

Cisco UCS Mini

NetApp FAS Storage

Easy to Order
Days Instead of Weeks

Easy to Deploy
Minutes Instead of Days

Easy to Own
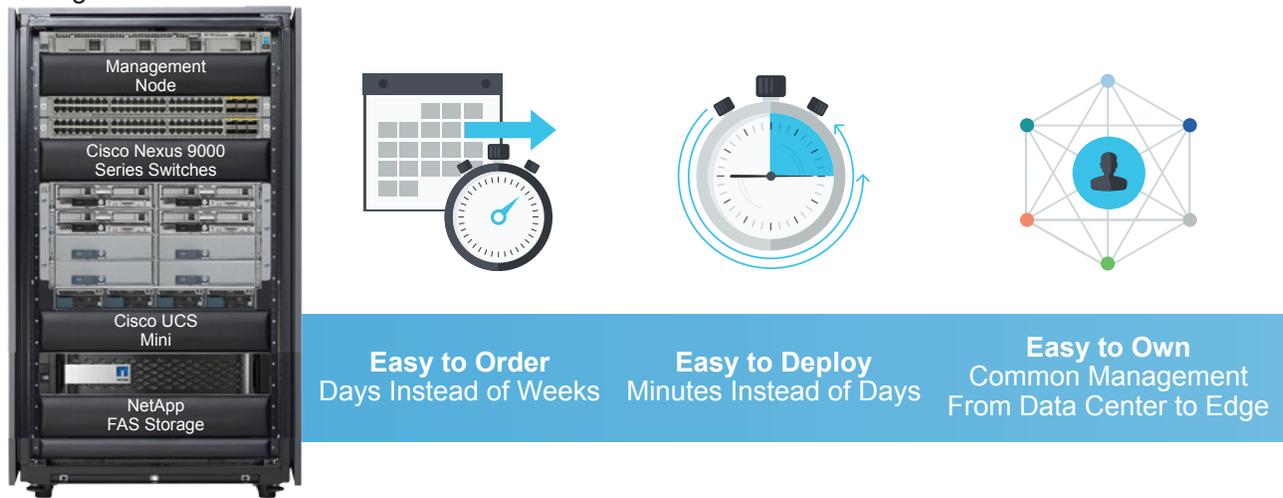Common Management
From Data Center to Edge

Figure 1 FlexPod Solution with Infrastructure Automation Using Cisco UCS Mini

Business Agility Through Simplicity

Reduced operational complexity has been a primary goal for all aspects of IT technology development in the past several years. The emergence of integrated infrastructure stacks has been a major step forward in this direction. However, although these stacks have greatly reduced operational complexity, more remains to be done to simplify the experience. What if you could purchase and receive a fully racked and cabled system in just a few days and deploy your infrastructure, including the virtualization layer, within minutes? Cisco and NetApp have developed a FlexPod solution to let you do just this, radically simplifying deployment of resources, especially for edge and branch-office computing.

FlexPod is an industry-leading integrated infrastructure solution, according to top industry analysts. This particular FlexPod solution includes Cisco UCS management software, Cisco UCS Mini, Cisco Nexus® 9300 platform networking, NetApp FAS 2550 hybrid storage arrays, and

VMware vSphere or VMware Horizon View (Figure 1). This solution is delivered by partners, preassembled and cabled in a rack. It contains prevalidated computing, networking, and storage configuration templates designed to simplify and accelerate deployment. This approach enables fast provisioning of all infrastructure and delivers simplicity without compromise. After the solution is deployed, you can easily scale computing, networking, and storage resources based on the needs of your business and backed by a comprehensive cooperative support model.

Simplicity Through Automation

FlexPod management provides you with a better, ready-to-use management experience (Figure 2). It enables automated deployment of your environment, from bare-metal provisioning through the provisioning of virtual machines, in less than one hour. A simple to use management interface initiates the automated configuration by using prevalidated compute, network, and storage templates for Cisco UCS, Cisco Nexus switches, and NetApp storage.
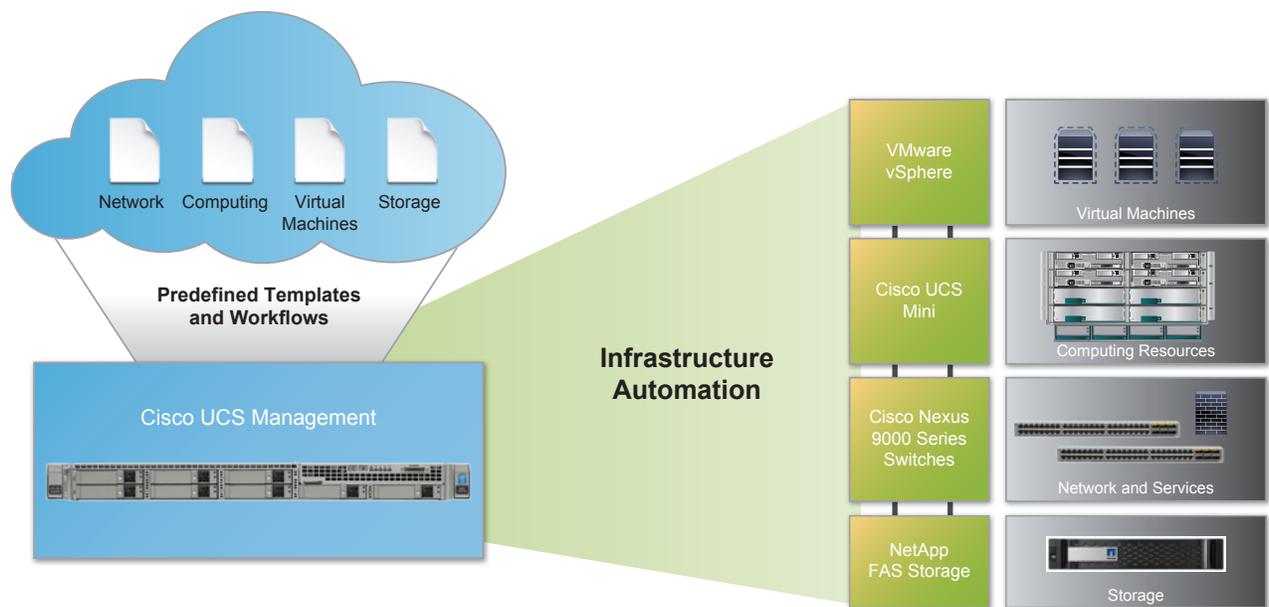
These templates are instantly, accurately, and automatically applied to the infrastructure, bringing a virtualized infrastructure to life in just minutes. The result is dramatically improved business agility and the elimination of a major source of errors that cause downtime. After the infrastructure is provisioned, Cisco UCS Management software provides capabilities to manage the infrastructure either locally or remotely.

Easily Scalable in Any Dimension

This FlexPod solution automates IT, making organizations more efficient and more effective by automating and standardizing IT processes, allowing them to work at a higher level, and allowing automation to simplify and accelerate deployment. With this FlexPod solution, you get an easy-to-buy and easy-to-deploy solution that can also easily and efficiently scale computing and storage resources for both performance and capacity, as your business requires.

Worldwide Support

Cisco and NetApp support FlexPod through the FlexPod Cooperative Support Model. You receive a

Figure 2 FlexPod with Infrastructure Automation Enables Comprehensive Automation, Orchestration, and Management

best-in-class experience from NetApp, Cisco, and our ecosystem partners delivered through collaborative and coordinated support services for your FlexPod integrated infrastructure. The Cooperative Support Model takes advantage of the combined experience, resources, and technical support expertise of NetApp and Cisco to provide a simplified process for identifying and resolving a customer's FlexPod support problem, regardless of where the problem resides.

Integrated Infrastructure Leadership

FlexPod is a leader in integrated infrastructure, with more than 6000 customers in more than 100 countries with more than 100 validated designs. FlexPod solutions are optimized for the most popular infrastructure use cases, applications, and technology transition points in

the industry, such as virtualized infrastructure, cloud computing, desktop virtualization, and enterprise applications. This new FlexPod solution with Cisco UCS Mini and automated provisioning arrives at your location with all components installed in the rack, prewired, and ready to deploy the moment you unpack it. FlexPod with Cisco UCS Mini servers power workloads including virtualization, desktop virtualization, development and testing, and remote- and branch-office computing. Powered by the latest Intel® Xeon® processors, Cisco UCS Mini servers help create a flexible and efficient data center that meets diverse business needs with a balanced combination of performance and cost effectiveness.

Gain Simplicity Without Compromise

The FlexPod solution with Cisco UCS Mini is easy to order, with

optimized configurations packaged as a single unit and delivered within five days. After you have unpacked this FlexPod solution, you can have it ready for applications in less than one hour using integrated, comprehensive automation across the infrastructure. After your solution is up and running, the enhanced management experience, scalability, and worldwide support make it easy and cost effective to own.

For More Information

• For more information about Flex-Pod solutions, visit http://www.cisco.com/go/flexpod or http://www.netapp.com/flexpod.