Transition Your Windows Server 2003 Infrastructure to a Modern Cisco and Microsoft Solution

Microsoft support for all versions of Windows Server 2003 and Windows Server 2003 R2 ends on July 14, 2015. After this date, updates will no longer be available, and your business will become exposed to compliance and security risks. Anticipating wide-scale changes before the impending deadline, Cisco and Microsoft have teamed up to provide the best single-platform solution on the market.

Windows Server 2012 R2 and System Center 2012 R2 are central to Microsoft's Cloud OS vision, delivering enhancements and new features in virtualization, management, storage, networking, and more. Cisco's server infrastructure as well as its management and network capabilities are purpose-built for virtualization and the cloud. Together Microsoft and Cisco provide integrated and flexible solutions that deliver on the benefits of a Microsoft private or hybrid cloud.

SOLUTION DETAILS

- **Cisco:** A highly manageable computing and networking platform, Cisco Unified Computing System™ (Cisco UCS®) and Cisco Nexus® provide the optimal infrastructure for deploying and managing a Microsoft private or hybrid cloud.
- **Microsoft:** Windows Server 2012 R2 and System Center 2012 R2 offer unified management across your data centers, service provider data centers, and Windows Azure from one consistent platform.
- **Fast Track:** A Cisco Validated Design and Microsoft Fast Track certified solution that speeds your transition to the cloud.

It's time to move to a modern platform built on Windows Server 2012 R2, System Center 2012 R2, and Cisco UCS server infrastructure. Upgrade your environment today to reduce IT costs, improve service delivery, and avoid the challenges associated with maintaining a legacy platform.

CISCO DATA CENTER SOLUTIONS FOR MICROSOFT PRIVATE CLOUD ENVIRONMENTS

The Cisco® and Microsoft data center solutions provide your IT infrastructure with the flexibility and agility needed to address your changing business needs and achieve your business goals—while decreasing the TCO of maintaining a physical, on-premises data center.

REDUCE IT COSTS AND IMPROVE SERVICE DELIVERY

Modernize IT
Foundation for Today & Tomorrow

- Deliver modern application services
- Virtualize on your own terms
- Automate IT Operations to drive quality and efficiency

Economically Sound
Save Time & Money

- Reduce TCO at the platform, site and organizational levels
- Lower power usage, cabling costs and physical space
- Lower IT operations staff costs with improved management automation

Simplify IT
Faster, Easier, Reliable, & Open

- Manage your hardware and software stack with a single pane of glass
- Configure and deploy servers and applications in minutes
- Support developers with one platform

KEY ELEMENTS OF CISCO'S CLOUD INFRASTRUCTURE

BETTER TOGETHER: A PARTNERSHIP AT THE HEART OF THE SOLUTION

Cisco and Microsoft have partnered in an unprecedented way to combine some of their best, most modern technologies to create and develop the best possible data center and server solution for businesses like yours. Partnerships between companies like this are uncommon, and occur only as a result of each company wanting to be the best, recognizing that they have a better opportunity to achieve that excellence together.

CISCO AND MICROSOFT INTEGRATED MANAGEMENT TOOLS

Over 60 percent of all worldwide server-related expenditures are for management and administration. With tightly integrated management tools from Cisco and Microsoft, your business can:

- Reduce management points with an open API to customize management integration with Cisco UCS, Microsoft System Center, and Microsoft PowerShell
- Automate and standardize for quicker problem resolution, improved IT staff productivity, and reduced IT operations head count
- Manage virtual and physical machines from a single pane of glass with the Cisco UCS embedded systems manager and Microsoft System Center Operations Manager and Virtual Machine Manager
- Manage both Microsoft components and Cisco UCS with PowerShell and, using its extensive library of purpose-built cmdlets, automate provisioning and configuration tasks

USE INTELLIGENT INFRASTRUCTURE OPTIMIZED FOR THE CLOUD

Increase your IT computing power by:

- Improving network and application performance with Cisco UCS Unified Fabric "wired once" for bandwidth, not connectivity
- Increasing your computing capability with a private or hybrid cloud solution built on Windows Server 2012 R2 and Cisco UCS servers

- Improving virtualization performance, getting faster server provisioning, and standardizing with Cisco UCS "stateless computing"
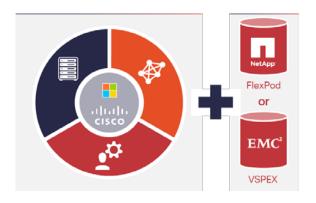- Enhancing security, multitenancy, and quality of service with Cisco UCS Unified Fabric and Hyper-V

VIRTUALIZE YOUR EXISTING INFRASTRUCTURE

Enhance your network's capabilities by

- Extending enterprise-class networking features and integrated services to Hyper-V using the Cisco Nexus 1000V
- Extending the physical network directly to the virtual machine with Cisco UCS VM-FEX

SPEED YOUR TRANSITION TO A PRIVATE CLOUD WITH MICROSOFT FAST TRACK SOLUTIONS

If you want to get to the cloud and get there fast, Cisco offers validated designs with storage partners EMC and NetApp. These best-in-class technologies from industry leaders in computing, storage, networking, and server virtualization offer a central pool of computing resources with storage networking and servers all in one package. Integrated components enable you to centrally manage your infrastructure pools with enhanced functionality and automation tailored to your needs for supporting Microsoft applications on the private cloud.

These Microsoft Fast Track certified solutions are:

- Cost-effective and simple to manage
- Easy to scale up for greater performance and capacity
- Flexible and easily scaled out as your business grows
- Less risky to deploy with end-to-end deployment guidance with reference architectures

FlexPod with Cisco and NetApp

A turnkey platform built on a defined set of hardware and software for infrastructure-as-a-service (IaaS) environments based on Microsoft platforms. This solution features management, automation, and orchestration capabilities integrated with Microsoft System Center 2012 R2 and PowerShell for the efficient and accelerated deployment of services and applications.

VSPEX with Cisco and EMC

VSPEX Solution for Microsoft Private Cloud Fast Track 3.0 offers a simple, fully integrated, rapidly deployable Microsoft-based private cloud upon which customers can easily manage the applications that run their businesses.

CLOUD-OPTIMIZE YOUR INFRASTRUCTURE TODAY

We recognize that the intersection of computing, networking, virtualization, and software is at the center of a new era of innovation. The Microsoft and Cisco alliance extends the value of the Cisco Unified Data Center, including unified fabric, Cisco UCS, and unified management. The partnership achieves the integration of the operating system, native hypervisor, application, and management stacks into manageable and scalable solutions. Together, Microsoft and Cisco offer service and support to accelerate time to value and ROI. Our partner ecosystem, including value-added resellers and global systems integrators, benefits Microsoft partners and Cisco partners and customers alike.

Get Started Now

SCHEDULE AN ASSESSMENT

Take advantage of an ultimate unified computing and network infrastructure for your Microsoft private cloud environment. Together, Cisco UCS, Cisco Nexus 1000V, and Microsoft Windows Server 2012 R2 Hyper-V create a comprehensive cloud platform solution that can be automated with PowerShell and managed through System Center.

LEARN MORE

For more information, contact your Cisco or Microsoft representative, or visit:

www.cisco.com/go/microsoft

www.cisco.com/servers

www.cisco.com/go/datacenter