



Microsoft/Hyper-V Private Cloud Deployment Consulting Service

Overview

The Nutanix Private Cloud on Microsoft/Hyper-V Deployment provides you with a fully functional onsite private cloud, leveraging Windows Azure Pack on top of an existing Nutanix Virtual Computing Platform with Hyper-V.

Benefits

- Best practice onsite deployment of Windows Azure Pack and Hyper-V for robust, elastic, scalable, multi-tenant and self-service private cloud experience
- Gain the benefits of purpose built Nutanix infrastructure for scalable and flexible multi platform cloud deployments
- Leverage experienced consultants to mitigate deployment risk and accelerate value creation.
- Complete knowledge transfer and site documentation

Scope

- Requirements gathering/project planning
- Logical/Physical Architecture Design
- Multi-tenancy/Security Design
- Design/Deploy Microsoft System Center
- Design/Deploy Public/Privileged components of Windows Azure Pack with IIS
- System Center Showback/Chargeback integration
- Create and Publish IaaS templates to Self-service catalog. The scope of this service will limit the number and complexity of catalog items deployed
- Draft site documentation & architecture diagrams

Optional Add-on scope

- Design network and security architecture
- Add Data Protection services
- SDN/NFV integration with Microsoft virtual networking/NVGRE
- Deploy load-balancing of web components
- Deploy optional resource providers (VM Clouds, Service Bus, SQL, MySQL)
- Create/Publish additional catalog items

Pre-Assessment

- Review environment and project goals
- Validate all pre-requisites are in place and to specification
- Make recommendations if pre-requisites are not in place

Tasks and Deliverables

Task	Responsibility
Project Kickoff	All
Architecture Design and Review	Nutanix
System Center/Azure Pack Install	Nutanix
Create/Publish templates to Self-service Catalog	Nutanix
Integrate Chargeback into System Center	Nutanix
Wrap-up	All

Pricing

- Priced per node
- Optional add-ons: call for pricing
- T&E extra

Deliverables

- Develop and share Project Plan
- Detailed design session to understand deployment goals and define appropriate architecture
 - Logical/physical design/review
 - Network/security design/review
 - Remote access requirements and design
 - Define firewall rules
 - VLAN/PortGroup design/creation
- Deploy Microsoft System Center
- Deploy Public/Privileged components of Windows Azure Pack with IIS
- Tie in show back or chargeback back into System Center
- Create and Publish VM and multi-VM IaaS templates to self-service catalog
- Connect to existing infrastructure services
 - AD
 - DNS/NTP
 - SCVMM/Hyper-V

Site Documentation

- Spreadsheet of hosts/IPs, locations, function, user ID's
- Word document summarizing:
 - Scope of project and deliverables
 - Design choices/rational
 - Architecture (Visio Diagrams)
- Support/Troubleshooting Cheat Sheet



Pre-requisites

- Existing, properly sized Nutanix/Hyper-V Cluster in place
- Existing Windows server VM template (2012 R2)
- At least two AD GC/DC at site where Cloud will be deployed
- If HA of service-catalog is required, then an existing load-balancer must be available
- Customer supplied digital certificates for SSL unless self-signed certificates are sufficient
- Permission to update AD/DNS/DHCP
- Service catalog templates must pre-exist as VM Images
- Microsoft Licensing

About Nutanix Global Services

The Nutanix Global Services (GSO) delivers a strong influence on the success of each Nutanix implementation by its customers. Nutanix Services ensures success by engaging with customers in pre-sales and post-sales stages by assisting in their in their Web-Scale IT strategy and architecture. Besides helping customers implement Nutanix products successfully, the Nutanix Services, working with our service provider partners, ensures customer success in fully implementing their virtualized and software-defined data centers. The Nutanix Global Services (GSO) delivers a portfolio of productized services that includes **Consulting, Education and Customer Advocacy**.

For More Information: visit www.nutanix.com or speak to your local Nutanix representative

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