Nutanix Service for Citrix XenDesktop Deployment

BENEFITS

Best practice deployment of an end-to-end Citrix XenDesktop based VDI solution

Leverage experienced consultants to mitigate deployment risk and accelerate value creation

Comprehensive project documentation and knowledge transfer

PRE-REQUISITES

Properly sized Nutanix cluster with AHV, vSphere, Hyper-V or XenServer

Existing Windows server VM template (2008 R2 or higher)

Standardized desktop Images (XP, 7, 8 or 10)

At least one AD domain controller per site

Loadbalancer configuration for HA (if applicable) must be available

Customer supplied digital certificates for SSL if required

Customer configuration of AD/DNS/DHCP

Pre-classification of types of VDI users (e.g Power Users, Task Workers, etc.)

Citrix, VMware and/or Microsoft licensing

Required accounts and access permissions

System maintenance windows

OVERVIEW

The Nutanix Citrix XenDesktop deployment service provides you with a deployment of Citrix XenDesktop on an existing Nutanix Enterprise Cloud Platform with choice of Nutanix supported hypervisor. There are multiple configurations available for you to choose from based on your requirements as described in the Service description section below.

SERVICE DESCRIPTION

The Citrix XenDesktop implementation will follow Nutanix and Citrix best practices and will be delivered by experienced Nutanix consultants. The following options are available in this service.

Proof-of-Concept Deployment for up-to 100 users

This service provides you with a single-site, proof-of-concept implementation of Citrix XenDesktop on AHV for up-to 100 users.
Note: This is not meant for production use.

STANDARD SCOPE

- Design and deploy Citrix Machine Creation Services (MCS) based virtual desktop infrastructure in a proof-of-concept configuration for a single site with no high availability design.

- Provide infrastructure requirements for AD, DHCP and folder redirection

- Customize Nutanix infrastructure for Citrix XenDesktop deployment

- Integrated with existing SQL Server or using built-in SQL Express

- Citrix Studio and Director configuration and deployment

  - Allow remote access of desktops over internet assuming customer configured access

- Citrix User Profile Management on existing storage

- One non-persistent knowledge user machine catalog/delivery group provisioned

- Only Microsoft Office suite published on the platform

DELIVERABLES

- Project planning and management

- Requirements gathering and design review workshop

- Design and deploy a proof-of-concept Citrix XenDesktop implementation on Nutanix AHV

- Conduct operational handover and knowledge transfer

- Deliver project documentation

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Nutanix Service for Citrix XenDesktop Deployment

Production Deployment for up-to 500 users

This service provides you with a single-site, production-ready implementation of Citrix XenDesktop on AHV or vSphere for up-to 500 users. The implementation will follow Nutanix and Citrix best practices to ensure optimal performance and results.

STANDARD SCOPE

- Design and deploy Citrix Machine Creation Services (MCS) based virtual desktop infrastructure in a fault tolerant configuration for a single site

- Provide infrastructure requirements for AD, DHCP and folder redirection

- Customize Nutanix infrastructure for Citrix XenDesktop deployment

- Highly available SQL installations for XenDesktop

- Citrix Studio and Director configuration and deployment

- Deploy best practice Citrix policies

- Citrix User Profile Management on existing storage

- Design network and security architecture including Netscaler and load balancer configuration

  - Allow remote access of desktops over internet assuming customer configured access

- One non-persistent knowledge user machine catalog/delivery group and a single persistent admin machine catalog/delivery group provisioned

- Up to five published applications on the platform

DELIVERABLES

- Project planning and management

- Detailed requirements gathering and design review workshop

- Design and deploy Citrix XenDesktop as per Citrix and Nutanix best practices

- Conduct solution testing, operational handover and knowledge transfer

- Deliver project documentation

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Nutanix Service for Citrix XenDesktop Deployment

Production Deployment for up-to 2500 users

This service provides you with a single-site, production-ready implementation of Citrix XenDesktop on AHV for up-to 2500 users or vSphere for up-to 2000 users. The implementation will follow Nutanix and Citrix best practices to ensure optimal performance and results.

STANDARD SCOPE

- Design and deploy Citrix Machine Creation Services (MCS) based virtual desktop infrastructure in a fault tolerant configuration for a single site

- Provide infrastructure requirements for AD, DHCP and folder redirection

- Customize Nutanix infrastructure for Citrix XenDesktop deployment

- Highly available SQL installations for XenDesktop

- Citrix Studio and Director configuration and deployment

- Deploy best practice Citrix policies

- Design network and security architecture including Netscaler and load balancer configuration

  - Allow remote access of desktops over internet assuming customer configured access

- Configure AFS to host user profiles, home directories and department shares

- Citrix User Profile Management on existing storage

- One non-persistent knowledge user machine catalog/delivery group and a single persistent admin machine catalog/delivery group provisioned

- Up to five published applications on the platform

DELIVERABLES

- Project planning and management

- Detailed requirements gathering and design review workshop

- Design and deploy Citrix XenDesktop as per Citrix and Nutanix best practices

- Conduct solution testing, operational handover and knowledge transfer

- Provide up to a week of technical support during User Acceptance Testing Phase

- Provide up to a week of technical support once the deployment has gone live

- Deliver project documentation

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TASK

Project Kickoff	All
Requirements Gathering	All
Project plan	All
VDI Design Workshop	All
Citrix XenDesktop Design and Install	Nutanix
Project Documentation	Nutanix
Knowledge Transfer Workshop	All
Project Signoff	All

OPTIONAL ADD-ON SCOPE

- Multi-site deployment (HQ+ROBOs)
- Add data protection services for desktop and file services
- Additional machine catalog(s) / delivery group(s)
- AppDNA/AppDisk design and delivery
- AD and Citrix Policy integration
- SSL Certificate configuration and acquisition
- Migration of users and data to VDI
- Deploy and configure thin clients with connectivity
- Integration with existing receiver
- Design/Deploy Citrix Provisioning Services (PVS)
- Design/Deploy Citrix Workspace Environment Management (WEM)
- Design/Deploy Citrix App Layering (Unidesk)
- Post-deployment benchmark testing using Login VSI
- Support graphics intensive applications through VDI with nVidia Grid software integration

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