

5 Days

## CXD-300: Deploying App and Desktop Solutions with Citrix XenApp and XenDesktop 7.6

The CXD-300 training instructs the students to deploy the desktop virtualization solution and Citrix hosted application in the Windows Server 2012 R2 environment. All through the course, the candidates will learn to configure an environment with the Citrix components.

On completion, the trainees are able to create a XenDesktop 7.6 environment, conduct implementation test, ensure the working of the components and ascertain the successful access to XenDesktop resources by the internal/external end users effectively.

### Course Objective:

The course will engage the participants in

- Setting up the hypervisor, infrastructure, and XenDesktop 7.6 components
- Configure XenDesktop 7.6 resources, profiles and policies
- Set up the Provisioning Services and NetScaler
- Validate the implementation

## Course Details

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### Course Outline

#### Module 1: Understanding the XenDesktop Architecture

- Understand the XenDesktop Architecture
- Knowledge of XenDesktop Virtualization Technologies
- Understand the Infrastructure and Citrix Components
- Designing a XenDesktop Implementation
- Design Document

#### Module 2: Setting Up the Hypervisor

- How to Setup and install the Hypervisor
- Installation of the Hypervisor Management Console
- Configuration of the Hypervisor
- How to create Templates
- Reinforcement Exercise

#### Module 3: Setting Up the Infrastructure Components.

- It enables the candidate to set up
- Infrastructure Components
- Domain Controller
- Dynamic Host Configuration Protocol
- A Certificate Authority
- The File Server
- SQL Server 2012
- SQL Server Mirroring
- Reinforcement Exercise

## Module 4: Setting Up Citrix Components

It helps the trainee to set up

- Citrix Components
- Citrix License Server
- Delivery Controller
- Second Controller
- Citrix Universal Print Server
- StoreFront
- Second StoreFront Server
- Receiver
- Reinforcement Exercise??????

## Module 5: Setting Up XenDesktop Resources

- Set Up the XenDesktop Resources
- Resources
- Prepare the Master Virtual Machine
- Set Up a Server OS Master Image
- Set Up a Desktop OS Master Image
- Create a Machine Catalog
- Create a Delivery Group
- Reinforcement Exercise

## Module 6: Setting Up Policies

- Set Up the Policies
- Install the Group Policy Management Feature
- Configure Printing Policies
- Configure Remote Assistance
- Prioritize the Policies
- Run the Resultant Set of Policy
- Set Up Citrix Profile Management
- Reinforcement Exercise

## Module 7: Setting Up Provisioning Services

- Architecture of Provisioning Services
- Set Up the Provisioning Services and its server
- Install the Provisioning Services Console
- Configure Boot from Network
- Set Up a Second Provisioning Services Server
- Configure the BootStrap File for High Availability
- Configure the Master Target Device
- Create the vDisk and assign to a Target Device
- Create the Machine Catalog and Delivery Group
- Reinforcement Exercise

## Module 8: Preparing the Environment for Rollout

- Prepare the Environment for Rollout
- Test a Service Account, Certificates, DHCP scope, and Provisioning Services Share
- Verify Internal Access to Hosted Applications, Server OS machine (PVS) and Desktop OS Machine
- Test Remote Assistance, Delivery Controller High Availability, and SQL Server Mirroring
- Reinforcement Exercise

## Module 9: Setting Up NetScaler

- Set Up NetScaler
- Initial NetScaler Configuration
- Configure NTP and NetScaler High Availability
- Setting Up of DNS
- Creating Certificates for NetScaler
- Load Balancing StoreFront Servers
- Configuring NetScaler for Remote Access
- Redirect HTTP Requests for StoreFront
- Modify StoreFront to Integrate with NetScaler
- Configure ICA Proxy, Authentication Policies, and NetScaler for Email-Based Account Discovery
- Reinforcement Exercise

## Who Should Attend

Solution designers such as System Architects, Consultants, and Engineers.

## Pre Requisite

- Comprehensive knowledge of server, desktop and application virtualization concepts
- Experience with Windows Server 2012 or Windows Server 2012 R2
- Experience with Microsoft SQL Server
- Completion of the following course/ equivalent knowledge:
  - CXD-102 Introduction to Citrix XenDesktop 7
  - CXA-104 Citrix XenApp 7.6: Overview

## Exams

[CXD-300]

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