

CXD-300: Deploying Citrix XenDesktop 7 Solutions

This course provides students with the skills required to successfully deploy a complete Citrix hosted application and desktop virtualization solution in a Windows Server 2012 environment. This course is based on final product code and currently available through select Citrix Authorized Learning Centers (CALCs).

Throughout this course, students will learn how to configure an environment that includes the following Citrix components: XenServer, XenDesktop, Citrix License Server, MCS, PVS, Personal vDisk, StoreFront, NetScaler (ICA Proxy, Load Balancing, Endpoint Analysis), and Citrix Receiver. Upon course completion, students will be able to build an environment including all XenDesktop 7 components from scratch.

Who should enroll in this course?

This course is recommended for solution designers such as Architects, Consultants, and Engineers. Students will gain hands-on experience installing and configuring hosted application and desktop virtualization solutions from the ground up. Leaving the class, students will have the skills to successfully deploy XenDesktop 7 solutions that a majority of Citrix customers implement today.

Preparatory Recommendations

Before taking this course, Citrix recommends that students have:

- An understanding of server, desktop and application virtualization concepts
- Experience with Windows Server 2012, including:
 - Active Directory (AD)
 - Remote Desktop Services
 - Dynamic Host Configuration Protocol (DHCP)
 - Domain Name System (DNS)
 - Performance Monitoring
 - Group Policy Objects
- Experience with Microsoft SQL Server
- Completed the following courses or can demonstrate equivalent knowledge:
 - CTX-102 Introduction to XenDesktop 7

Key Skills

Upon successful completion of this course, learners are able to:

- Set up the hypervisor
- Set up the infrastructure components
- Set up XenDesktop 7 components
- Configure XenDesktop 7 resources (Server OS machines, Server hosted applications, and Desktop OS machines)
- Configure profiles and policies
- Set up Provisioning Services

Instructional Method

This course is offered as an instructor-led course with demonstrations and the practical application of concepts through hands-on exercises in a live lab environment.

Course Length

5 days

Certification Preparation

In addition to field experience, this course prepares candidates for the Deploying XenDesktop 7 Solutions exam. By passing the Deploying Citrix XenDesktop 7 Solutions exam, candidates will gain the new Citrix Certified Professional – Apps Desktops certification. This exam and certification are expected to release in Q4 2013. Go [here](#) to learn more about the new Citrix Certifications.

Lab Activities

ILT and vILT courses offer lab access during the duration of the course.

Topic Outline

Provided is the topic outline for the Deploying Citrix XenDesktop 7 Solutions course:

Module 1: Understanding XenDesktop 7 Architecture

- Understanding the XenDesktop Architecture
- XenDesktop Desktop Virtualization Technologies
- Infrastructure Components
- Citrix Components
- Designing a XenDesktop Implementation
- Design Document

Module 2: Setting Up the Hypervisor

- Setting Up the Hypervisor
- Installing the Hypervisor
- Installing the Hypervisor Management Console
- Configuring the Hypervisor
- Creating Templates
- Reinforcement Exercise – Creating a Windows 7 Template

Module 3: Setting Up Infrastructure Components

- Setting Up the Infrastructure Components
- Setting Up the Domain Controller
- Setting Up the Dynamic Host Configuration Protocol
- Setting Up a Certificate Authority
- Setting Up the File Server
- Setting Up SQL Server 2012
- Reinforcement Exercise – Identify Components

Module 4: Setting Up Citrix Components

- Setting Up Citrix Components
- Architecture
- Installing the License Server
- Setting Up the Delivery Controller
- Installing a Second Controller
- Setting Up the Citrix Universal Printer
- Setting Up StoreFront
- Setting Up NetScaler
- Setting Up Receiver
- Reinforcement Exercise – Scanning an Endpoint for a File

Module 5: Setting Up XenDesktop 7 Resources

- Configuring XenDesktop Resources
- Setting Up Resources
- Preparing the Master Virtual Machine
- Setting Up a Windows Server Master Image
- Setting Up a Windows Desktop Master Image
- Creating a Machine Catalog

- Creating a Delivery Group
- Setting Up Citrix Profile Management
- Reinforcement Exercise – Creating Delivery Groups

Module 6: Setting Up Policies

- Setting Up Policies
- Installing the Group Policy Management Role
- Configuring Printing Policies
- Configuring Remote Assistance
- Configuring the End User Experience
- Mapping Network Drives
- Configuring USB Drive Mapping
- Prioritizing the Policies
- Changing the Priority of the Policy
- Testing the Resultant Set of Policy
- Troubleshooting Issues with Policies

Module 7: Configuring Provisioning Services

- Configuring Provisioning Services
- Provisioning Services Architecture
- Adding a Second Provisioning Services Server
- Installing Provisioning Services and Joining the Farm
- Configuring the vDisk
- Installing the Virtual Delivery Agent
- Assigning the vDisk to a Target Device
- Creating the Machine Catalog
- Creating the Delivery Group