

Module Title : **CMB-310- XenApp, XenDesktop, and Provisioning Services 7.1x Administration (Fast Track)**
Duration : **5 days**

Overview

This fast-paced administration course covers the major aspects of installing, configuring and managing a highly available XenApp and XenDesktop 7.1x environment as well as a full Provisioning Services 7.1x environment for image management. Gain an understanding of the solution architecture and communications, and the factors that contribute to a successful deployment. This accelerated 5-day course will teach you how to deploy and deliver apps and desktops (MCS and PVS); install and configure StoreFront and Citrix Receiver; set up profile management; and configure policies, printing and basic security features. Also learn how to monitor and troubleshoot the environment with Citrix Director.

What You'll Learn

- Foundational knowledge of XenApp and XenDesktop required to be successful with the platform
- How to install, configure, and manage a highly available XenApp and XenDesktop site
- How to deploy and deliver apps and desktops to end users using both Machine Creation Services (MCS) and Provisioning Services (PVS) on Windows 10 and Windows Server 2016
- How to manage the end-user experience through policies and settings including profiles and printing
- How to install, configure, and manage a highly available Provisioning Services infrastructure for image management

Is this course for you?

Built for IT Professionals who need to install, configure, and manage XenApp, XenDesktop, and Provisioning Services. This course is taught at a faster pace and experience with previous versions or preparation with our free eLearning is recommended. It is an appropriate starting point or a refresher on version 7.1x for administrators, engineers, and architects.

Prerequisite Knowledge

This course requires little to no previous experience with the 7.x version of the platform; however, Citrix recommends completing the free XenApp and XenDesktop Introduction bundle at elearning.citrix.com. Previous knowledge of legacy versions of XenApp or XenDesktop is also beneficial due to the faster pace of this course.

Course Outline

Module 1: Architecture Overview

- Architecture
- FlexCast models (use cases)
- Layered approach methodology
- Connection flow process
- Hosting platform considerations

Module 2: Initial Requirements and Lab

- Supporting infrastructure requirements
- Supporting infrastructure licensing considerations
- Preparing for Windows 10 and Server 2016 with AppDNA
- Lab environment

Module 3: Installing and Configuring a XenApp and XenDesktop Site

- Licensing considerations
- Installation and management
- Basic license server troubleshooting
- Delivery Controller role
- The XenApp and XenDesktop Site
- Databases and the Local Host Cache (LHC)

Module 4: Provision and Deliver Application and Desktop Resources

- The Virtual Delivery Agent
- Machine Catalogs and Delivery Groups
- Provisioning methods and considerations
- Provisioning methods: Machine Creation Services (MCS) in depth
- MCS environment considerations

Module 5: Providing Access with Citrix StoreFront and Receiver

- StoreFront installation and architecture
- StoreFront authentication services
- Self Service Password Reset
- Citrix Receiver
- Receiver configurations

Module 6: Understanding and Configuring Citrix Policies

- Policies introduction
- Policies for session management

Module 7: Application Presentation and Management

- Application properties
- File-type association
- Workspace Control
- Shortcut placement
- Session Prelaunch and Session Lingering
- Application groups

Module 8: Printing with XenApp and XenDesktop

- Printing introduction
- Print job routing
- Printer driver management
- Citrix Universal Print Driver and Server

Module 9: Citrix Profile Management

- User profiles
- Configuring Citrix Profile management

Module 10: Managing the XenApp and XenDesktop Site

- Delegated administration
- Logging and reporting
- Introduction to Zones
- Introduction to PowerShell
- Reboot schedules for the Server VDA

Module 11: XenApp and XenDesktop Site Redundancy

- Component failure review
- Methods of redundancy
- Configuring site and access infrastructure redundancy

Module 12: XenApp and XenDesktop Site Basic Network Security

- Citrix administrator introduction to security considerations
- Certificate authority
- XML service security
- External HDX connection security with NetScaler Gateway

Module 13: Monitoring the XenApp and XenDesktop Site

- Introduction to Citrix Director
- Navigating Director
- Trends and reports

- Alerts and notifications
- Monitoring sessions
- Interacting with sessions
- Network monitoring with HDX Insight

Module 14: Introduction to Supporting and Troubleshooting XenApp and XenDesktop

- Introduction to supporting XenApp and XenDesktop Site
- Known issue awareness
- XenApp and XenDesktop Hotfixes and the Long Term Service Release
- Common Troubleshooting Tools

Module 15: Advanced Provisioning with Provisioning Services

- Getting started with Provisioning Services
- Provisioning Services Architecture

Module 16: Provisioning Services Infrastructure

- The PVS server role
- The Farm database
- The vDisk Store

Module 17: Streaming the vDisk

- Introduction to vDisks
- Machine preparation
- Streaming vDisks
- Boot methods

Module 18: Target Devices

- Introduction to target devices
- Data I/O
- Handling persistent and non-persistent data

Module 19: Integrating Provisioning Services with XenApp and XenDesktop

- XenDesktop Setup Wizard
- Device Collections
- Published Apps and Desktops
- Using Provisioning Services with XenApp and XenDesktop

Module 20: Provisioning Services Redundancy

- Farm component redundancy
- Store redundancy
- Database redundancy

Module 21: Supporting Provisioning Services

- Performing updates
- Auditing and support
- vDisk imaging
- Migrating vDisk images
- Troubleshooting