

# **CMB-310: Citrix XenApp, XenDesktop, and Provisioning Services 7.1x Administration (Fast Track)**

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## **Course Details**

### **Course Outline**

#### **1. Architecture Overview**

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

#### **2. Initial Requirements and Lab**

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

#### **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)

#### **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

#### **5. Providing Access with Citrix StoreFront and Receiver**

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

#### **6. Understanding and Configuring Citrix Policies**

- Policies introduction
- Policies for session management

## **7. Application Presentation and Management**

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

## **8. Printing with XenApp and XenDesktop**

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

## **9. Citrix Profile Management**

- User profiles
- Configuring Citrix Profile management

## **10. Managing the XenApp and XenDesktop Site**

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

## **11. XenApp and XenDesktop Site Redundancy**

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

## **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

## **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

#### **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

#### **15. Advanced Provisioning with Provisioning Services**

- Getting started with Provisioning Services
- Provisioning Services Architecture

#### **16. Provisioning Services Infrastructure**

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

#### **17. Streaming the vDisk**

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

#### **18. Target Devices**

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

#### **19. Integrating Provisioning Services with XenApp and XenDesktop**

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

#### **20. Provisioning Services Redundancy**

- Farm component redundancy
- Store redundancy
- Database redundancy

#### **21. Supporting Provisioning Services**

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