5 Days

CMB 310: XenApp, XenDesktop, and Provisioning Services 7.1x Administration

The CMB 310 training course concentrates on the major aspects of installation, configuration, and manage the XenApp and XenDesktop 7.1x environment. It's an accelerated 5 day course which enables you to install and configure Citrix receiver and Storefront, deploy and deliver desktops and apps, set up profile management, configure policies, security features, and printing, monitor and troubleshoot the environment.

Course Objective: The course will acquaint you with the following skills

- Basic knowledge of XenApp and XenDesktop
- Install, configure, and manage XenApp and XenDesktop
- Use Machine Creation Services and Provisioning services to deploy and deliver apps and desktops
- Install, configure, and manage the infrastructure for provisioning services
- Manage the end-user experience through policies, profile and printing settings

Course Details

_____

Course Outline

1. Architecture Overview

- Architecture
- Connection flow process
- Consideration of hosting platform
- Layered Approach methodology
- Use Cases

2. Initial Requirements and Lab

- Infrastructure Requirements
- Infrastructure licensing considerations
- Prepare for Windows 10 and Server 2016 with AppDNA
- Lab environment

3. Installation and Configuration of XenApp and XenDesktop site

- Licensing
- Installation and management
- Delivery controller role
- XenApp and XenDesktop Site
- Database and the Local Host Cache
- Basic license troubleshooting

4. Provision and Deliver Application and Desktop Resources

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

5. Providing access to Citrix Storefront and Receiver

- Storefront installation, architecture, and authentication services
- Self-service password reset
- Citrix Receiver
- Receiver configurations

6. Understanding and Configuring Citrix policies

- Introduction
- Policies for Session Management

7. Application Presentation and Management

- Application groups and properties
- Session pre-launch and lingering
- File-type association
- Shortcut placement
- Workspace control

8. Printing with XenApp and XenDesktop

- Introduction
- Job Routing
- Driver Management
- Citrix Universal Print driver and Server

9. Citrix Profile Management

- User Profile
- Configure Citrix profile management

10. Manage XenApp and XenDesktop Site

- Introduction to Zones and PowerShell
- Logging and Reporting
- Delegated Administration
- Reboot schedules to the Server VDA

11. XenApp and XenDesktop Site Redundancy

- Review of Component Failure
- Redundancy methods
- Site configuration and access infrastructure redundancy

12. Network Security

- Introduction to Security Considerations
- Certificate Authority
- XML service security
- External HDX connection Security

13. XenApp and XenDesktop Monitoring

- Introduction to Citrix Director
- Navigating Director
- Alerts, notifications, interaction, and monitoring sessions
- Network monitoring with HDX insight

14. XenApp and XenDesktop Support and Troubleshoot

- Introduction
- Issue Awareness
- Hotfixes and Long-term service release
- Troubleshooting tools

15. Advanced Provisioning with Provisioning Services

- Provisioning Service Architecture
- Getting started

16. Provisioning Services Infrastructure

- PVS Server role
- Farm database
- vDisk Store

17. Streaming the vDisk

- Introduction
- Machine Preparation
- Boot methods
- Streaming vDisks

18. Target Devices

- Introduction
- Data I/O
- Handling of persistent and non-persistent data

19. Integration of Provisioning services with XenApp and XenDesktop

- XenDesktop Setup Wizard
- Device Collections
- Use of Provisioning services with XenApp and XenDesktop
- Published Apps and Desktops

20. Redundancy of Provisioning Services

- Database redundancy
- Store redundancy
- Farm Component redundancy

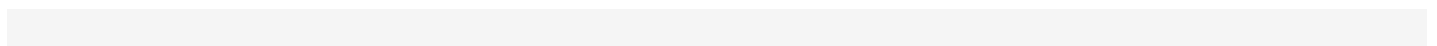### 21. Provisioning Services Redundancy

- Perform updates
- Auditing and support
- vDisk imagining
- Migrating vDisk images
- Troubleshooting

Who Should Attend

- IT Professionals who are in need of installing, configuring, and managing XenApp, XenDesktop, and Provisioning Services.
- Refresher course on version 7.1x for administrators, engineers, and architects.

Pre Requisite

- Knowledge of XenApp or XenDesktop is beneficial
- Citrus recommends CXA-105 XenApp and XenDesktop Foundations Course

Date - Jun 13, 2025