

CXD-210 Citrix XenApp and XenDesktop Administration

Overview

Designed for students with little or no previous XenApp or XenDesktop experience. Obtain foundational knowledge of XenApp and XenDesktop required to be successful with the platform. Learn to install, configure, and manage a highly available environment comprised of XenApp and XenDesktop controllers, StoreFront, Citrix Receiver, Director, and Profile management. Refer to the topic outline for a detailed view of topics covered in the course.

Recommended pre-requisite courses:

- [CXA-105 XenApp and XenDesktop Foundations](#)

Note: This course is based on XenApp and XenDesktop 7.x CR (Current Release) including the hands-on labs. The current release of XenApp and XenDesktop is updated frequently with new features and improvements and as such, course content may not always reflect the latest features.

Key Skills

Upon successful completion of this course, students will be able to:

- Describe the architecture and communications of XenApp and XenDesktop components
- Understand the prerequisites for a successful XenApp and XenDesktop deployment
- Install and configure a highly available XenApp and XenDesktop site
- Deploy and deliver apps and desktops to end users using Machine Creation Services (MCS) on Windows 10 and Windows Server 2016
- Understand the differences and benefits of Provisioning Services as an image management solution
- Install and configure a highly available Citrix StoreFront site
- Install and configure Citrix Receiver for end user access
- Set up Citrix Profile management for end user data
- Understand and configure printing within a XenApp and XenDesktop environment
- Understand and configure Citrix policies for managing end-user session experience
- Understand how to configure basic security features of XenApp and XenDesktop
- Use Citrix Director to monitor and troubleshoot end user sessions and view environment trends

Audience

Students interested in learning to install, configure, and manage XenApp and XenDesktop including:

- Administrators
- Implementers / Engineers
- Architects

Instructional Method

This course is offered in instructor-led training (ILT)/virtual instructor-led training (vILT) formats with application of concepts through hands-on exercises in a live lab environment.

Course Length

5 days

Course Materials

As part of this course students will receive the following materials:

- Student Manual
- Access to a lab environment for the duration of the course
- Lab exercise guide

Preparatory Recommendations

Citrix recommends students prepare for this course by taking the one of the following courses:

- [CXA-105 XenApp and XenDesktop Foundations](#) (free eLearning)

It is also recommended to gain a basic understanding of the following concepts and technologies:

- Familiarity with how to navigate and use Windows Server 2016 and Windows 10

Certification Preparation

This course helps prepare students for the Citrix Certified Associate in Virtualization (CCA-V) exam. By passing the exam, candidates will gain the Citrix Certified Associate – Virtualization certification. Go [here](#) to learn more about Citrix Certifications.

Topic Outline

Module 1: Architecture Overview

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

Module 2: Initial Requirements and Lab

- Citrix consulting methodology
- 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
- Creating resources

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