

Citrix XenApp and XenDesktop 7.1x Advanced Administration

Certification: [CCP-V*](#) | Course Length: 5 days | Instructional Method: [Classroom or Virtual with hands-on labs](#)

Course Overview:

Get more value out of your XenApp and XenDesktop investment through the use of Workspace Environment Management, Provisioning Services, Application Layering, advanced features, and troubleshooting tools. You'll leave this course with a good understanding of how to manage more complex solutions such as multi-zone environments spanning multiple locations with configurations around StoreFront, the Delivery Controllers, and HDX. You'll gain the skills to improve logon times, user personalization, and resource performance through Workspace Environment Management. Also, learn to optimize management of your app and desktop images by building and combining App Layers. End the course by learning to install, configure, and manage Provisioning Services in accordance with leading practices.

What you'll learn:

- How to configure Workspace Environment Management to improve the end user environment and virtual resource consumption
- Understand Zones in XenApp and XenDesktop and how to account for user and desktop locations and optimal connection and registration
- How to configure and manage App Layering with XenApp and XenDesktop
- Understand and configure HDX channels and protocols for improved performance delivering multimedia and data over network connections
- Understand Provisioning Services architecture and install and configure Provisioning Services, vDisks, and Target Devices

Is this course for you?

Built for experienced IT Professionals working with XenApp and XenDesktop. Potential students include administrators, engineers, and architects responsible for the end user workspace, provisioning services environment, and overall health and performance of the solution.

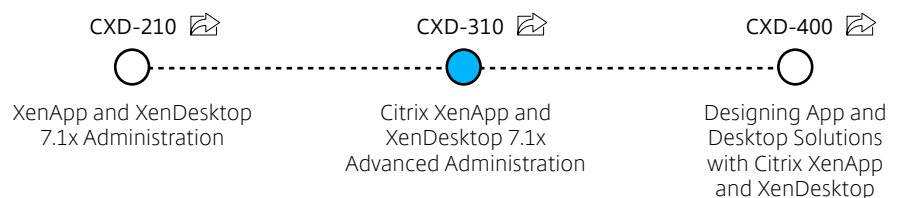
Prerequisite Knowledge:

Strong foundational knowledge of XenApp and XenDesktop 7.1x. Citrix recommends students prepare for this course by taking the following course: CXD-210 Citrix XenApp and XenDesktop 7.1x Administration.

Citrix Versions Covered:

This course is currently on XenApp, XenDesktop, and Provisioning Services 7.13.

Learning Path:



*Associated exam for this course to be announced leading to the CCP-V certification.

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Module 1: Intermediate FlexCast Management Architecture (FMA)

- FMA Services
- SQL database connectivity and security
- Zones in FMA

Module 2: Workspace Environment Management (WEM)

- Introduction to WEM
- Installation and configuration
- Administration
- (Additional WEM topics covered later in the course)

Module 3: The Virtual Desktop Agent (VDA)

- VDA registration in a multi zone environment
- VDA connection security
- Workspace Environment Management VDA agent

Module 4: App Layering

- App Layering architecture
- Configuring and assigning app layers
- Managing app layers

Module 5: User Environment

- Optimizing session machines with WEM
- Zone Preference
- User Profile Management with WEM

Module 6: StoreFront Optimization and Routing

- User experience optimizations
- Optimal Gateway routing and Zones
- Subscription Store

Module 7: HDX and Multimedia

- Enlightened Data Protocol (EDT)
- HDX virtual channel architecture
- Multimedia delivery and redirection
- Delivering Skype for Business with XenApp and XenDesktop

Module 8: Supporting and Troubleshooting User connection issues

- Advanced connections and communication
- Troubleshooting tools
- Common misconfigurations

Module 9: Advanced Provisioning with Provisioning Services

- Getting started with Provisioning Services
- Provisioning Services Architecture

Module 10: Provisioning Services Infrastructure

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

Module 11: Streaming the vDisk

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

Module 12: Target Devices

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

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Module 13: Integrating Provisioning Services with XenApp and XenDesktop

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

Module 14: Provisioning Services Redundancy

- Farm component redundancy
- Store redundancy
- Database redundancy

Module 15: Supporting Provisioning Services

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