

# CXD-310 Citrix Virtual Apps and Desktops 7.1x Advanced Administration

## Course Overview

[View Course Dates & Register Today](#)

This is a 5-day class

Get more value out of your Citrix Virtual Apps and Desktops 7.1x investment through the use of Workspace Environment Management, Provisioning Services, Application Layering, and advanced features. You'll leave this course with a good understanding of how to manage more complex solutions such as multizone 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. Note: This course provides one free exam voucher upon completion of training.

## Who Should Attend

Built for experienced IT Professionals working with Citrix Virtual Apps and Desktops 7.1x. Potential students include administrators, engineers, and architects responsible for the end user workspace, provisioning services environment, and overall health and performance of the solution.

## Course Objectives

Students will learn: - How to configure Workspace Environment management to improve the end user environment and virtual resource consumption. - Understand Zones in Citrix Virtual Apps and Desktops 7.1x and how to account for user and desktop locations and optimal connection and registration. - How to build and manage App Layers to minimize image sprawl with Citrix Virtual Apps and Desktops 7.1x. - Understand and configure HDX channels and protocols for improved performance delivering multimedia and data over network connections.

## Other Prerequisites

CXD-210 Citrix XenApp and XenDesktop Administration

## Course Outline

### 1 Intermediate FlexCast Management Architecture (FMA)

FMA Services  
SQL database connectivity and security  
Multi-zone VDA registration  
Zone preference

### 2 Workspace Environment Management (WEM) (Extended Module)

Introduction to WEM  
Administration  
Optimizing resource consumption on VDA hosts  
Managing the end-user experience with WEM  
Migrating existing settings and configurations to WEM

# CXD-310 Citrix Virtual Apps and Desktops 7.1x Advanced Administration

## 3 StoreFront Optimization and Routing

User experience optimizations  
StoreFront branding  
Optimal Gateway routing and Zones  
Subscription Store

## 4 HDX and Multimedia

HDX in the network  
Enlightened Data Protocol (EDT)  
Multimedia delivery and redirection  
Delivering Skype for Business with Citrix Virtual Apps and Desktops 7.1

## 5 App Layering (Full day module)

App Layering Introduction  
Layering Architecture  
Creating Layer  
App Layering Maintenance

## 6 Supporting and Troubleshooting

Connections  
Communications  
Session Launches

## 7 Advanced Provisioning with Provisioning Services

Getting started with Provisioning Services  
Provisioning Services Architecture

## 8 Provisioning Services Infrastructure

The PVS server role  
The Farm database  
The vDisk Store

## 9 Streaming the vDisk

Introduction to vDisk  
Machine preparation  
Streaming vDisks  
Boot methods

## 10 Target Devices

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

## 11 Integrating Provisioning Services with Citrix Virtual Apps and Desktops 7.1x

XenDesktop Setup Wizard  
Device Collections  
Published Apps and Desktops  
Using Provisioning Services with Citrix Virtual Apps and Desktops 7.1x

# CXD-310 Citrix Virtual Apps and Desktops 7.1x Advanced Administration

## 12 Provisioning Services Redundancy

- Farm component redundancy
- Store redundancy
- Database redundancy

## 13 Supporting Provisioning Services

- Performing updates
- Auditing and support
- Disk imaging
- Migrating vDisks images
- Troubleshooting