

## Citrix Virtual Apps and Desktops 7.x Advanced Management with App Layering, WEM and HDX CXD-303

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### Course Summary

#### Description

Get more value out of your Citrix Virtual Apps and Desktops investment through the use of Workspace Environment Management, Application Layering and advanced features. 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 deploying App Layers with Citrix Virtual Apps and Desktops.

#### Objectives

After taking this course, students will be able to:

- How to configure Workspace Environment Management to improve the end user environment and virtual resource consumption
- Understand Zones in Citrix Virtual Apps and Desktops 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

#### Topics

- Intermediate FlexCast Management Architecture (FMA)
- Workspace Environment Management (WEM) (Extended Module)
- StoreFront Optimization and Routing
- HDX and Multimedia
- App Layering (Full day module)
- Supporting and Troubleshooting
- Connecting to Microsoft Azure
- Deploying Apps and Desktops using Machine Creation Services
- Providing Access to End Users
- Maintaining Infrastructure and VDAs in Microsoft Azure
- Plan for a Successful POC

#### Audience

This course is built for experienced IT Professionals working with Citrix Virtual Apps and Desktops. Potential students include administrators, engineers, and architects responsible for the end user workspace, app and desktop images and overall health and performance of the solution.

#### Prerequisites

Before taking this course, students should have a strong foundational knowledge of Citrix Virtual Apps and Desktops 7.x. Citrix recommends students prepare for this course by taking the CXD-210 Citrix Virtual Apps and Desktops 7.x Administration (PT15288).

#### Duration

Five days

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### Course Outline

- I. Intermediate FlexCast Management Architecture (FMA)**
  - A. FMA Services
  - B. SQL database connectivity and security
  - C. Multi-zone VDA registration
  - D. Zone preference
- II. Workspace Environment Management (WEM) (Extended Module)**
  - A. Introduction to WEM
  - B. Administration
  - C. Optimizing resource consumption on VDA hosts
  - D. Managing the end-user experience with WEM
  - E. Migrating existing settings and configurations to WEM
- III. StoreFront Optimization and Routing**
  - A. User experience optimizations
  - B. StoreFront branding
  - C. Optimal Gateway routing and Zones
  - D. Subscription Store
- IV. HDX and Multimedia**
  - A. HDX in the network
  - B. Enlightened Data Protocol (EDT)
  - C. Multimedia delivery and redirection
  - D. Delivering Skype for Business with Citrix Virtual Apps and Desktops
- V. App Layering (Full day module)**
  - A. App Layering Introduction
  - B. Layering Architecture
  - C. Creating Layers
  - D. App Layering Maintenance
- VI. Supporting and Troubleshooting**
  - A. Connections
  - B. Communications
  - C. Session Launch
- VII. Connecting to Microsoft Azure**
  - A. Azure Connectivity
  - B. Cloud Connectors in Azure
  - C. Creating Citrix Virtual Apps and Desktops Host Connections to Azure
- VIII. Deploying Apps and Desktops using Machine Creation Services**
  - A. Master Image Preparation
  - B. Machine Creation Services in Azure
  - C. Considerations for Deploying onto Azure
- IX. Providing Access to End Users**
  - A. StoreFront Locations
  - B. Citrix ADC Locations
  - C. Multiple Citrix Virtual Apps and Desktops Zones in Azure Regions
- X. Maintaining Infrastructure and VDAs in Microsoft Azure**
  - A. Maintaining Infrastructure
  - B. Maintaining Resources
  - C. Power Management
- XI. Plan for a Successful POC**
  - A. Planning your next steps