



**Enterprise Computing Solutions - Education Services**

## **TRAINING OFFERING**

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# Citrix Virtual Apps and Desktops 7 Advanced Administration

CODE:	LENGTH:	PRICE:
CTX-CWS-315	40 Hours (5 days)	\$5,000.00

## Description

Designed to learn how to set up scalability, redundancy and security configurations. You will learn advance features to optimize management of your app and desktop images by building and combining App Layers and Workspace Environment Management, which can improve logon times, centralize user settings management, optimize the performance of machines running the Virtual Delivery Agent (VDA).

In the advanced troubleshooting section, you will learn techniques to investigate many of the common issues that can affect environment health. You will 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.

## Objectives

What you'll learn:

- How to implement advanced administration concepts such as backups, disaster recovery, scalability and redundancy consideration for a Citrix Virtual Apps and Desktop 7 Site How to configure
- Workspace Environment Management to improve the end user environment and virtual resource consumption
- App Layering skills such as how to create and administer OS, platform, application, elastic and user layers

## Audience

Built for experienced IT Professionals familiar with Citrix Virtual Apps and Desktops 7 in an on-premises environment or Citrix Cloud looking to expand their Citrix Virtual Apps and Desktops skills to an advanced level. Potential students include administrators or engineers responsible for the Citrix Apps and Desktop 7 Site.

## Prerequisites

Strong foundational knowledge of Citrix Virtual Apps and Desktops 7. Citrix recommends students prepare for this course by taking the following course: CWS-215 Citrix Virtual Apps and Desktops 7 Administration On-Premises and in Citrix Cloud.

## Programme

### Module 1: Implementing Redundancy and Scalability

- StoreFront and Citrix Gateway
- Site Infrastructure

Backup, recovery and security considerations and configurations ▪ Machines Running the Virtual Delivery Agent

### Module 2: Managing a Virtual Apps and Desktops Environment with Multiple Locations Zones

- VDA Registration in a Multi-Zone Environment
- Zone Preference
- Optimal Gateway Routing and Zones
- Managing StoreFront Store Subscriptions in a Multi-Location Environment
- StoreFront and Citrix ADC Branding

### Module 3: Implementing Backups and Disaster Recovery Module 4: Implementing Advanced Authentication Methods

- Backups
- Disaster Recovery Considerations
- Disaster Recovery Process
- Multi-factor Authentication - RADIUS & OTP
- Multi-factor Authentication - Smart Card Authentication
- Federated Authentication - ADFS, SAML, and FAS

Module 5: Improving App and Data Security    Module 6: Securing Machines Running the Virtual Delivery Agent

- Introduction to Application Security
- Preventing Jailbreak Attacks
- Minimizing the Impact of Attacks
- TLS to VDA Encryption
- GPOs and Citrix Policies
- Image Management

Module 7: Introduction to Troubleshooting

- Troubleshooting Methodology Process (Standard Slide)
- Resource Tools and Utilities

Troubleshooting techniques and tools    ■ Introduction to PowerShell

Module 8: Troubleshooting Access Issues

- Troubleshooting StoreFront
- Troubleshooting Citrix Gateway

Module 9: Troubleshooting Delivery Controller Issues

- Validating FMA Services

Module 10: Troubleshooting VDA Registration Issues    Module 11: Troubleshooting HDX Connection Issues

- Troubleshooting VDA Registration

- Troubleshooting HDX Connections

Module 12: Introduction to App Layering

- App Layering Introduction

Module 13: Creating an OS Layer

Citrix App Layering Considerations and Configuration    ■ Architecture and How it Works

- The OS Layer

Module 16: Creating Elastic App and User Layers

Module 14: Creating a Platform Layer    Module 15: Creating App Layers    ■ Elastic App Layering

- The Platform Layer
- The App Layers
- User Layers

Module 17: Deploying a Layered Image using Citrix Virtual Apps and Desktops

- Using Templates in App Layering
- Using Layered Images in a Citrix Virtual Apps and Desktops Site

Module 18: Exploring Layer Priority

- Layer Priority

Module 19: Maintaining an App Layering Environment

- Updating Layers
- Maintaining and Updating the App Layering Environment
- Common App Layering Considerations and Additional Resources

Workspace Environment Management (WEM) considerations and configuration

Module 20: Introduction to Workspace Environment Management (WEM)

- Workspace Environment Management (WEM) Introduction
- WEM Administration

Module 21: Using WEM to Centralize Environment Management

- Managing User Resources with WEM
- Managing Profiles with WEM
- Managing Endpoints with the WEM Transformer Feature

Module 22: Using WEM for Performance Optimization

- Optimizing Machine Performance with WEM
- Optimizing User Experience with WEM

Module 24: Migrating and Upgrading WEM

Module 23: Using WEM to Secure Environments    ■ Migrating to WEM

- WEM Security Features

- Upgrading a WEM Deployment

- WEM Multi-Location Considerations

## Test and Certification

This course helps prepares candidates to get the CCP-V certification

## Session Dates

On request. Please [Contact Us](#)

## Additional Information

[This training is also available as onsite training. Please contact us to find out more.](#)