



**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)	£2,795.00

## 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'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.

## Objectives

- 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	Module 2: Managing a Virtual Apps and Desktops Environment with Multiple Locations Zones
• StoreFront and Citrix Gateway	• VDA Registration in a Multi-Zone Environment
• Site Infrastructure	• Zone Preference
• Machines Running the Virtual Delivery Agent	• 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	• Multi-factor Authentication - RADIUS & OTP
• Disaster Recovery Considerations	• Multi-factor Authentication - Smart Card Authentication
• Disaster Recovery Process	• Federated Authentication - ADFS, SAML, and FAS
	Module 6: Securing Machines Running the Virtual Delivery Agent
Module 5: Improving App and Data Security	• TLS to VDA Encryption
• Introduction to Application Security	• GPOs and Citrix Policies
• Preventing Jailbreak Attacks	• Image Management
• Minimizing the Impact of Attacks	Troubleshooting techniques and tools
Module 7: Introduction to Troubleshooting	
• Troubleshooting Methodology Process (Standard Slide)	Module 8: Troubleshooting Access Issues
• Resource Tools and Utilities	• Troubleshooting StoreFront
• Introduction to PowerShell	• Troubleshooting Citrix Gateway
Module 9: Troubleshooting Delivery Controller Issues	Module 10: Troubleshooting VDA Registration Issues
• Validating FMA Services	• Troubleshooting VDA Registration
	Module 11: Troubleshooting HDX Connection Issues
	• Troubleshooting HDX Connections
Citrix App Layering Considerations and Configuration	Module 12: Introduction to App Layering
	• App Layering Introduction
	• Architecture and How it Works
	Module 13: Creating an OS Layer
	• The OS Layer
	Module 16: Creating Elastic App and User Layers
Module 14: Creating a Platform Layer	Module 15: Creating App Layers
• The Platform Layer	• The App Layers
Module 17: Deploying a Layered Image using Citrix Virtual Apps and Desktops Site	• Elastic App Layering
• Using Templates in App Layering	• User Layers
• 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	Workspace Environment Management (WEM)
• Common App Layering Considerations and Additional Resources	considerations and configuration
Module 20: Introduction to Workspace Environment Management (WEM)	Module 21: Using WEM to Centralize Environment Management
• Workspace Environment Management (WEM) Introduction	• Managing User Resources with WEM
• WEM Administration	• Managing Profiles with WEM
	• Managing Endpoints with the WEM Transformer Feature
	Module 24: Migrating and Upgrading WEM
	• Migrating to WEM
	• Upgrading a WEM Deployment
	• WEM Multi-Location Considerations
Module 22: Using WEM for Performance Optimization	CWS-315 Course Description
• Optimizing Machine Performance with WEM	Module 23: Using WEM to Secure Citrix Virtual Apps and Desktops 7
• Optimizing User Experience with WEM	• WEM Security Features
	Advanced Deployment, Troubleshooting, Security and Administration

## Session Dates

On request. Please [Contact Us](#)

## Additional Information

This training is also available as onsite training. Please contact us to find out more.