Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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Citrix Virtual Apps and Desktops 7 Advanced Deployment, Troubleshooting, Security and PVS Administration

CODE:	LENGTH:	PRICE:
CTX_CWS-317	40 Hours (5 days)	£2,795.00

Description

Designed for experienced IT professionals this course builds on the foundational implementation and management skills introducing scalability, redundancy, security
configurations and Citrix Provisioning 7. You will learn troubleshooting techniques to investigate and solve 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 multi-location environments with configurations around
StoreFront, the Delivery Controllers, Cloud Connectors and HDX, Citrix Provisioning leading practices, architecture, communication, and processes that make
up Citrix Provisioning to be successful with deploying and managing a farm, integrate vDisks and target devices with Citrix Virtual Apps and Desktops for easy rollback,
upgrades, and performance of Virtual Delivery Agent machines.

Objectives

How to implement advanced administration concepts such as backups, disaster recovery, scalability and redundancy for a Citrix Virtual
Apps and Desktop 7 Site
• Advanced troubleshooting techniques to troubleshoot Citrix Virtual Apps and Desktop 7
• Security considerations and configurations for Citrix Apps and Desktop 7 site including multi-site management using zones

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
• 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
• Backups
• Disaster Recovery Considerations
• Disaster Recovery Process

Module 4: Implementing Advanced Authentication Methods
• Multi-factor Authentication - RADIUS & OTP
• Multi-factor Authentication - Smart Card Authentication
• Federated Authentication - ADFS, SAML, and FAS

Module 5: Improving App and Data Security
• Introduction to Application Security
• Preventing Jailbreak Attacks
• Minimizing the Impact of Attacks

Module 6: Securing Machines Running the Virtual Delivery Agent
• TLS to VDA Encryption
• GPOs and Citrix Policies
• Image Management

Module 7: Introduction to Troubleshooting
• Troubleshooting Methodology Process
• Resource Tools and Utilities
• 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
• Troubleshooting VDA Registration

Module 11: Troubleshooting HDX Connection Issues
• Troubleshooting HDX Connections

Module 12: Advanced Provisioning Learning Objectives
• Learning Objectives
• Introduction to Citrix Provisioning (PVS)
• Getting Started with Citrix Provisioning
• Citrix Provisioning Architecture

Module 13: Citrix Provisioning Infrastructure
• Lab VM Power Management
• Learning Objectives
• The Citrix Provisioning Server
• The Farm Database
• The Store

Module 14: Streaming the vDisk
• Lab VM Power Management
• Learning Objectives
• vDisk Introduction
• Master Target Device Preparation
• Streaming Introduction
• Boot Methods

Module 15: Target Devices
• Lab VM Power Management
• Learning Objectives
• Target Devices Introduction
• Reads and Writes
• Machine and User Data

Module 16: Integrating Citrix Provisioning with Citrix Virtual Apps and Desktops
• Lab VM Power Management
• Learning Objectives
• The Complete Architecture Overview
• The Citrix Virtual Desktops Setup Wizard
• Manage the Target Devices through Creating Device Collections
• Using Provisioned Services with Citrix Virtual Apps and Desktops
• Managing Citrix Provisioning from Citrix Cloud

Session Dates

On request. Please Contact Us

Additional Information

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