



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 | 5 day(s) | kr36,500.00 |

## Description

Designed to learn how to set up scalability, redundancy and security configurations. You will learn advanced 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

Backup, recovery and security considerations and configurations 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 ProcessModule 4: Implementing Advanced Authentication Methods

- Multi-factor Authentication - RADIUS & OTP• Multi-factor Authentication - Smart Card Authentication

- Federated Authentication - ADFS, SAML, and FASModule 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 ManagementTroubleshooting techniques and tools Module 7: Introduction to Troubleshooting

- Troubleshooting Methodology Process (Standard Slide)• 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 ServicesModule 10: Troubleshooting VDA

- Registration Issues • Troubleshooting VDA RegistrationModule 11: Troubleshooting HDX Connection Issues

- Troubleshooting HDX ConnectionsCitrix App Layering Considerations and Configuration Module 12: Introduction to App Layering

- App Layering Introduction• Architecture and How it WorksModule 13: Creating an OS Layer • The OS Layer

Module 14: Creating a Platform Layer • The Platform Layer  
 Module 15: Creating App Layers • The App Layers  
 Module 16: Creating Elastic App and User Layers • Elastic App Layering • 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 23: Using WEM to Secure  
 Environments • WEM Security Features  
 Module 24: Migrating and Upgrading WEM • Migrating to WEM  
 • Upgrading a WEM Deployment • WEM Multi-Location Considerations

## Session Dates

| Date        | Location                | Time Zone | Language | Type                  | Guaranteed | PRICE       |
|-------------|-------------------------|-----------|----------|-----------------------|------------|-------------|
| 29 Aug 2022 | Virtual Classroom (CET) | CEDT      | English  | Instructor Led Online |            | kr36,500.00 |
| 24 Oct 2022 | Virtual Classroom (CET) | CEDT      | English  | Instructor Led Online |            | kr36,500.00 |
| 28 Nov 2022 | Virtual Classroom (CET) | CET       | English  | Instructor Led Online |            | kr36,500.00 |

## Ytterligare information

[Denna utbildning finns också som utbildning på plats. Kontakta oss för mer information.](#)