Information Technology

CWS-313 Citrix Virtual Apps and Desktops 7 Advanced Deployment

Course Introduction

This training course is designed to provide participants with the foundational implementation and management skills by introducing scalability, redundancy and security configurations. This course covers the techniques required to investigate many of the common issues that can affect the environments health and understand how to solve issues more effectively in the advanced troubleshooting section. This will help the participants to gain an understanding of managing more complex solutions such as multi-location environments with configurations around StoreFront, the Delivery Controllers, Cloud Connectors and HDX

Target Audience

1. Citrix Administrator
2. Virtualization Engineer
3. Systems Administrator
4. Cloud Engineer
5. IT Infrastructure Engineer
6. Desktop Support Engineer
7. Network Administrator
8. Solutions Architect
9. IT Consultant
10. Endpoint Management Specialist

Learning Objectives

- Gain a comprehensive understanding of the with the foundational implementation and management skills by introducing scalability, redundancy and security configurations.
- Implement advanced administration concepts such as backups, disaster recovery, scalability and redundancy consideration for a Citrix Virtual Apps and Desktop 7 Site

- Employ Advanced troubleshooting techniques to troubleshoot Citrix Apps and Desktop 7
- Apply Security considerations and configurations for Citrix Apps and Desktop 7 site including multi-site management using zones

Course Outline

- **Day 01**

  IMPLEMENTING REDUNDANCY AND SCALABILITY

  - StoreFront and Citrix Gateway
  - Site Infrastructure
  - Machines Running the Virtual Delivery Agent

  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 MultiLocation Environment
  - StoreFront and Citrix ADC Branding
- **Day 02**

  IMPLEMENTING BACKUPS AND DISASTER RECOVERY

  - Backups
  - Disaster Recovery Considerations

◦ Disaster Recovery Process

IMPLEMENTING ADVANCED AUTHENTICATION METHODS

◦ Multi-factor Authentication - RADIUS & OTP
◦ Multi-factor Authentication - Smart Card Authentication
◦ Federated Authentication - ADFS, SAML, and FAS

• **Day 03**

IMPROVING APP AND DATA SECURITY

◦ Introduction to Application Security
◦ Preventing Jailbreak Attacks
◦ Minimizing the Impact of Attacks

SECURING MACHINES RUNNING THE VIRTUAL DELIVERY AGENT

◦ TLS to VDA Encryption
◦ GPOs and Citrix Policies
◦ Image Management Troubleshooting techniques and tools

• **Day 04**

INTRODUCTION TO TROUBLESHOOTING

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

- Introduction to PowerShell

TROUBLESHOOTING ACCESS ISSUES

- Troubleshooting StoreFront
- Troubleshooting Citrix Gateway
- **Day 05**

TROUBLESHOOTING DELIVERY CONTROLLER ISSUES

- Validating FMA Services

TROUBLESHOOTING VDA REGISTRATION ISSUES

- Troubleshooting VDA Registration

Troubleshooting HDX Connection Issues

- Troubleshooting HDX Connections

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
May 19, 2025	May 23, 2025	5 days	4250.00 $	UAE - Dubai
July 28, 2025	Aug. 1, 2025	5 days	4950.00 $	Malaysia - kuala lumpur
Dec. 22, 2025	Dec. 26, 2025	5 days	4250.00 $	UAE - Abu Dhabi