TechyEdz Solutions

Training | Consulting | Developement | Outsourcing

Citrix Virtual Apps and Desktops 7 Advanced Administration

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🞦 Course Overview:

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.

🞦 Course Outline:

Backup, recovery and security considerations and configurations

1: Implementing Redundancy and Scalability

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

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 MultiLocation Environment
- ➢ StoreFront and Citrix ADC Branding

3: Implementing Backups and Disaster Recovery

- ➢ Backups
- ➢ Disaster Recovery Considerations
- ➢ Disaster Recovery Process

4: Implementing Advanced Authentication Methods

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

5: Improving App and Data Security

- ➢ Introduction to Application Security
- ➢ Preventing Jailbreak Attacks

> ➤ Minimizing the Impact of Attacks

6: Securing Machines Running the Virtual Delivery Agent

> ➤ TLS to VDA Encryption
> ➤ GPOs and Citrix Policies
> ➤ Image Management

Troubleshooting techniques and tools

7: Introduction to Troubleshooting

> ➤ Troubleshooting Methodology Process (Standard Slide)
> ➤ Resource Tools and Utilities
> ➤ Introduction to PowerShell

8: Troubleshooting Access Issues

> ➤ Troubleshooting StoreFront
> ➤ Troubleshooting Citrix Gateway

9: Troubleshooting Delivery Controller Issues

> ➤ Validating FMA Services

10: Troubleshooting VDA Registration Issues

> ➤ Troubleshooting VDA Registration

11: Troubleshooting HDX Connection Issues

> ➤ Troubleshooting HDX Connections

Citrix App Layering Considerations and Configuration

12: Introduction to App Layering

> ➤ App Layering Introduction
> ➤ Architecture and How it Works

13: Creating an OS Layer

> ➤ The OS Layer

14: Creating a Platform Layer

> ➤ The Platform Layer

15: Creating App Layers

➢ The App Layers

16: Creating Elastic App and User Layers

➢ Elastic App Layering
➢ User Layers

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

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

20: Introduction to Workspace Environment Management (WEM)

➢ Workspace Environment Management (WEM) Introduction
➢ WEM Administration

21: Using WEM to Centralize Environment Management

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

22: Using WEM for Performance Optimization

➢ Optimizing Machine Performance with WEM
➢ Optimizing User Experience with WEM

23: Using WEM to Secure Environments

➢ WEM Security Features

24: Migrating and Upgrading WEM

➢ Migrating to WEM
➢ Upgrading a WEM Deployment
➢ WEM Multi-Location Considerations

➕ Prerequisites:
➢ Strong foundational knowledge of Citrix Virtual Apps and Desktops 7.
➢ CWS-215 Citrix Virtual Apps and Desktops 7 Administration On-Premises and in Citrix Cloud.
➢ VMware vSphere
➢ Basic Networking

➕ Who Should Attend:
➢ 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.

➕ Number of Hours: 40hrs

➕ Certification: CCP-V (CWS-315)

➕ Key Features:
➢ One to One Training
➢ Online Training
➢ Fastrack & Normal Track
➢ Resume Modification
➢ Mock Interviews
➢ Video Tutorials
➢ Materials
➢ Real Time Projects

- ➢ Virtual Live Experience
- ➢ Preparing for Certification