QuickStart
Over 35 Years Of Technology Training

Document Generated: 06/30/2024

Learning Style: Virtual Classroom

Provider: Citrix

Difficulty: Advanced

Course Duration: 3 Days

Citrix Virtual Apps and Desktops 7 Advanced Deployment, Troubleshooting, Security and Administration (CWS-313)

About this Course:

Designed for experienced IT professionals this course builds on foundational

implementation and management skills by introducing scalability, redundancy and security configurations. Learn 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. 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

Course Objectives:

- 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

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 either **CWS-215** Citrix Virtual Apps and Desktops 7 Administration On-Premises and in Citrix Cloud or **CMB-318 -** Citrix Virtual Apps and Desktops 7, App Layering, and WEM Administration (Fast-Track)

Course Outline:

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

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

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

Introduction to Troubleshooting

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

Troubleshooting Access Issues

- Troubleshooting StoreFront
- Troubleshooting Citrix Gateway

Troubleshooting Delivery Controller Issues

- Validating FMA Services

Troubleshooting VDA Registration Issues

- Troubleshooting VDA Registration

Troubleshooting HDX Connection Issues

- Troubleshooting HDX Connections

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