CWS-315: Citrix Virtual Apps and Desktops 7 Advanced Administration

Duration: 5 Days

Prerequisites:

Required:

Strong foundational knowledge of Citrix Virtual Apps and Desktops 7.

Recommended:

CWS-215: Citrix Virtual Apps and Desktops 7 Administration On-Premises and in Citrix Cloud

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

Course Description:

The five-day course explains advance features for optimizing the management of your app, desktop images by building and combining App Layers, and Workspace Environment Management. Learn how it improves logon times, centralizes user settings management, and optimizes the performance of machines running the Virtual Delivery Agent (VDA). Understand techniques for investigating common issues that can affect the environment's health. The training covers how to manage complex solutions like multizone environments spanning multiple locations with configurations around StoreFront, the Delivery Controllers, and HDX. The CWS-315 is also the Citrix-recommended training for earning the Citrix Certified Professional-Virtualization (CCP-V) certification.

Course Outlines:

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 MultiZone Environment
- Zone Preference
- Optimal Gateway Routing and Zones
- Managing StoreFront Store Subscriptions in a Multi-Location Environment
- StoreFront and Citrix ADC Branding

Implementing Backups and Disaster Recovery
- Backups
- Disaster Recovery Considerations
- Disaster Recovery Process

Implementing Advanced Authentication Methods
- Multifactor Authentication RADIUS amp OTP
- Multifactor 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
- Citrix App Layering Considerations and Configuration

Introduction to App Layering
- App Layering Introduction
- Architecture and How it Works

Creating an OS Layer
- The OS Layer

Creating a Platform Layer
- The Platform Layer

Creating App Layers
- The App Layers

Creating Elastic App and User Layers
- Elastic App Layering
- User Layers

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

Exploring Layer Priority
- Layer Priority

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

Introduction to Workspace Environment Management WEM
- Workspace Environment Management WEM Introduction
- WEM Administration

Using WEM to Centralize Environment Management
- Managing User Resources with WEM
- Managing Profiles with WEM
- Managing Endpoints with the WEM Transformer Feature

Using WEM for Performance Optimization
- Optimizing Machine Performance with WEM
- Optimizing User Experience with WEM

Using WEM to Secure Environments
- WEM Security Features

Migrating and Upgrading WEM
- Migrating to WEM
- Upgrading a WEM Deployment
- WEM MultiLocation Considerations

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