Training: Citrix
CTX-306 Citrix Platform Enterprise Deployment

TRAINING GOALS:

Designed for experienced IT professionals, this course expands the foundational administrative skills by introducing scalability, redundancy, and advanced configurations. You will learn to build and combine App Layers to optimize management of your app and desktop images. You will learn how to implement Workspace Environment Management to improve logon times, centralize user settings management, and optimize the performance of machines. 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, App Layering, and Workspace Environment Management.

Product Versions Covered: Citrix Virtual Apps and Desktops 7 (2507 LTSR), App Layering 2507, and WEM 2511Learning.

Objectives

- How to implement advanced administration concepts such as backups, disaster recovery, scalability, and
- redundancy for a Citrix Virtual Apps and Desktop Site
- Create, administer, and manage App Layering OS, platform, application, elastic, and user layers.
- Integrate Citrix App Layering into a Citrix Virtual Apps and Desktop deployment.
- Install and initialize WEM and integrate into Citrix Virtual Apps and Desktops and Citrix DaaS.
- Configure WEM features to improve the end user environment and virtual resource consumption.
- Migrate an on-premises WEM deployment to WEM service.

Target Audience

Potential students include administrators and engineers of Citrix Virtual Apps and Desktops solution.

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CONSPECT:

- Module 1: Intro to CVAD Advanced Configuration, Redundancy, and Scalability
  - Citrix Virtual Apps and Desktops Redundancy and Scalability
  - StoreFront and NetScaler Gateway
  - Site Infrastructure Redundancy and Scalability
  - Machines Running the Virtual Delivery Agent
- Module 2: Manage CVAD Multiple Locations
  - Zones
  - VDA Registration in a Multi-Zone Environment
  - Zone Preference
  - Optimal Gateway Routing and Zones
  - StoreFront Resource Aggregation
  - Managing StoreFront Store Subscriptions in a Multi-Location Environment
- Module 3: Backups and Disaster Recovery
  - Backups
  - Disaster Recovery Considerations
  - Disaster Recovery Process
- Module 4: Intro to WEM Architecture Components
  - WEM Features and Benefits
  - WEM On-Premises Components and Deployments
  - WEM Service Components and Deployments
  - WEM Component Communication Workflows
  - WEM Service Component Communication Workflows
- Module 5: WEM Deployment and Initial Installation
  - On-premises WEM: Leading Practice Installation Prerequisites and Steps
  - Creating the WEM Database
  - Running the WEM Infrastructure Service Configuration Utility
  - WEM On-Premises vs WEM Service
  - WEM Service: Leading Practice Installation Prerequisites and Steps
  - ADMX Template Configuration
  - WEM Agent Installation
  - WEM Consoles
  - WEM Initial Setup

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- Module 6: WEM System and Log On Optimization
  - WEM System Optimization Overview
  - WEM CPU Management
  - WEM Memory Management
  - Additional System Optimization Features
  - WEM Log On Optimization Overview
  - WEM Assigned Actions
  - WEM Environmental Settings
  - Citrix Profile Management In WEM
- Module 7: WEM Security and Lockdown Features
  - WEM Security Management Features
  - Privilege Elevation and Process Hierarchy Control
  - WEM Transformer
- Module 8: The WEM Agent
  - WEM Settings Processing and WEM Agent Caches
  - WEM Agent Integration with Citrix Virtual Apps and Desktops and Citrix DaaS
- Module 9: WEM Monitoring, Reporting, and Troubleshooting
  - WEM Monitoring and Reporting
  - WEM On-Premises Troubleshooting
  - WEM Service Troubleshooting
  - WEM Agent Troubleshooting
- Module 10: Upgrading WEM and Migration to WEM Service
  - Upgrading Workspace Environment Management
  - WEM On-Premises Migration to WEM Service
- Module 11: Intro to App Layering and Architecture Overview
  - Citrix App Layering Introduction
  - Citrix App Layering Architecture
- Module 12: OS, Platform, and App Layers
  - The OS Later
  - The Platform Layer
  - The App Layers
- Module 13: Elastic App and User Layers
  - Elastic App Layers
  - User Layers
- Module 14: Layer Priority and Maintaining an App Layering Environment
  - Layer Priority

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- Updating Layers
- Maintaining and Updating the App Layering Environment
- Common Citrix App Layering Considerations and Additional Resources

REQUIREMENTS:

Strong foundational knowledge of:

- Windows Server and Desktop operating systems.
- Active Directory, Policies, Profiles, Networking and Hypervisors.

Difficulty level



CERTIFICATE:

The participants will obtain certificates signed by Citrix (course completion).

TRAINER:

Certified Citrix Instructor

ADDITIONAL INFORMATION:

Recommended Training:

CTX-308 Citrix Platform Monitoring and Troubleshooting

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