

CTX-306 - Citrix Platform Enterprise Deployment



Days: 3

Prerequisites: Strong foundational knowledge of Windows Server and desktop operating systems, Active Directory, policies, profiles, networking, hypervisors, and Citrix administration is recommended.

Audience: Experienced Citrix administrators and engineers who need to design and manage scalable, redundant, multi-location Citrix enterprise deployments.

Description: This three-day instructor-led course expands foundational Citrix administration skills through advanced configurations for scalability, redundancy, multi-location environments, disaster recovery, Workspace Environment Management, and Citrix App Layering.

Course Objectives: Upon completion of this course, students will:

- Implement backup, disaster recovery, scalability, and redundancy concepts.
- Design and manage multi-location Citrix environments.
- Install, initialize, and integrate Workspace Environment Management.
- Configure WEM to improve user experience and resource consumption.
- Migrate an on-premises WEM deployment to WEM service.
- Create, integrate, prioritize, and maintain Citrix App Layers.

OUTLINE:

MODULE 1: ADVANCED CONFIGURATION, REDUNDANCY, AND SCALABILITY

- Site infrastructure and VDA scalability
- StoreFront and gateway considerations

MODULE 2: MANAGING MULTIPLE LOCATIONS

- Zones and multi-zone VDA registration
- Zone preference and optimal routing
- StoreFront aggregation and subscriptions

MODULE 3: BACKUPS AND DISASTER RECOVERY

- Backups
- Disaster recovery considerations and process

MODULE 4: WEM ARCHITECTURE

- Features and benefits
- On-premises and service components
- Communication workflows

MODULE 5: WEM DEPLOYMENT

- Prerequisites and installation
- Database and infrastructure service
- ADMX templates, agents, consoles, and setup

MODULE 6: WEM OPTIMIZATION

- CPU, memory, logon, and environmental optimization
- Assigned actions and profile management

MODULE 7: WEM SECURITY AND AGENT

- Security management, privilege elevation, and process control
- Transformer

- Agent processing, caches, and integration

MODULE 8: WEM OPERATIONS

- Monitoring, reporting, and troubleshooting
- Upgrades and migration to WEM service

MODULE 9: APP LAYERING ARCHITECTURE

- Architecture overview
- OS, platform, and application layers
- Elastic application and user layers

MODULE 10: MAINTAINING APP LAYERING

- Layer priority
- Layer updates and environment maintenance
- Common considerations and resources