

CTX-314 - Citrix Platform Enterprise Deployment, Monitoring, and Troubleshooting Combo

Days: 5



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

Audience: Experienced Citrix administrators and engineers responsible for advanced deployment, scalability, redundancy, Workspace Environment Management, App Layering, monitoring, and troubleshooting.

Description: This five-day instructor-led course combines advanced Citrix enterprise deployment with monitoring and troubleshooting. Students work with scalability, redundancy, multi-location design, disaster recovery, Workspace Environment Management, App Layering, Citrix Director, session recording, uberAgent, and practical troubleshooting workflows.

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

- Implement backups, disaster recovery, scalability, and redundancy for Citrix sites.
- Manage multi-location environments, App Layering, and advanced workload configurations.
- Deploy and optimize Workspace Environment Management and migrate to WEM service.
- Use Citrix Director, session recording, and uberAgent for advanced monitoring.
- Analyze architecture and communication flows to locate common failure points.
- Troubleshoot access, Delivery Controller, VDA registration, and HDX connection issues.

OUTLINE:

MODULE 1: ADVANCED CONFIGURATION AND SCALABILITY

- Site, StoreFront, gateway, and VDA redundancy
- Infrastructure scalability

MODULE 2: MULTIPLE LOCATIONS

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

MODULE 3: BACKUPS AND DISASTER RECOVERY

- Backup strategy
- Disaster recovery planning and process

MODULE 4: WEM ARCHITECTURE AND DEPLOYMENT

- On-premises and service components
- Communication workflows
- Database, infrastructure service, agents, consoles, and initial setup

MODULE 5: WEM OPTIMIZATION AND SECURITY

- CPU, memory, logon, and environmental optimization
- Assigned actions and profile management
- Privilege elevation, process control, and Transformer

MODULE 6: WEM OPERATIONS

- Agent processing and caches
- Monitoring, reporting, and troubleshooting
- Upgrades and migration to WEM service

MODULE 7: CITRIX APP LAYERING

- Architecture and layer types
- OS, platform, application, elastic, and user layers
- Layer priority, updates, and maintenance

MODULE 8: MONITORING AND AUTOMATION TOOLS

- Monitoring, troubleshooting, and automation tools
- Advanced Citrix Director use cases
- Session recording

MODULE 9: CITRIX UBERAGENT

- Splunk and uberAgent architecture
- Installation, endpoint configuration, dashboards, alerts, and reporting
- Logging and troubleshooting

MODULE 10: TROUBLESHOOTING ARCHITECTURE AND ACCESS

- PowerShell, architecture, and communications
- StoreFront, gateway, authentication, and launch issues

MODULE 11: TROUBLESHOOTING CORE SERVICES

- Delivery Controller and FMA services
- VDA registration
- HDX connections and diagnostic tools