Enterprise Computing Solutions - Education Services

TRAINING OFFERING

Sie erreichen uns unter

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Citrix Virtual Apps and Desktops Advanced Administration (2402 LTSR)

CODE:	**LÄNGE:**	**PREIS:**
CTX_CVAD-301	40 Hours (5 Tage)	€2,990.00

Description

This course replaces the outdated CWS-322
Designed for experienced IT professionals, this course expands the foundational administrative skills by introducing scalability, redundancy, and security configurations as well as troubleshooting techniques for common issues. 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 2402 LTSR, App Layering 2403, and WEM 2407

Lernziel

Learning Objectives
• How to implement advanced administration concepts such as troubleshooting, backups, disaster recovery, scalability and redundancy for a Citrix Virtual Apps and Desktop Site
• Security considerations and configurations including multi-site management using zones.
• 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.

Voraussetzungen

Strong foundational knowledge of: Windows Server and Desktop operating systems.

Active Directory, Policies, Profiles, Networking and Hypervisors.

Inhalt

Module 1: Introduction to Citrix Virtual Apps and Desktops Advanced Config, 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: Advanced Authentication Methods**

- Multi-factor Authentication - RADIUS and One Time Passwords (OTP)
- Multi-factor Authentication – Smart Card Authentication
- Federated Authentication   **Module 5: App and Data Security**

- Introduction to Application Security
- Preventing Jailbreak Attacks
- Minimizing the Impact of Attacks   **Module 6: Secure VDAs**

- Transport Layer Security (TLS) Virtual Delivery Agent (VDA) Encryption
- Microsoft Group Policy Objects (GPOs) and Citrix Policies
- Image Management   **Module 7: Introduction to Troubleshooting**

                                                      • Troubleshooting StoreFront
- Troubleshooting Methodology   • Troubleshooting NetScaler Gateway
- Resource Tools and Utilities   • Troubleshooting Access and Authentication
- Introduction to PowerShell   **Module 8: Troubleshoot Access Issues** • Troubleshooting App/Desktop Launch

Module 9: Troubleshoot Delivery Controller Issues • Validating FlexCast Management Architecture (FMA) Services
Module 10: Troubleshoot Virtual Delivery Agent (VDA) Registration Issues

- Troubleshooting Virtual Delivery Agent (VDA) Registration   **Module 11: Troubleshoot HDX Connection Issues**

- Troubleshooting HDX Connections   **Module 12: Intro to App Layering and Architecture Overview**

- Citrix App Layering Introduction
- Architecture   **Module 13: OS Layers** • OS Layer   **Module 14: Platform Layers** • Platform Layers

                                                                  • Elastic App Layers
Module 15: App Layers • App Layers   **Module 16: Elastic App Layers and User Layers** • User Layers

Module 17: Deploy a Layered Image • Using Layered Images with CVAD
Module 18: Layer Priority and Maintaining an App Layering Environment

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

                                                      • WEM Features and Benefits
                                                      • WEM On-Premises Components and Deployments
                                                      • WEM Service Components and Deployments
                                                      • WEM Component Communication Workflows
Module 19: Intro to WEM and Architecture Components • WEM Service Component Communication Workflows

                                    • 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
Module 20: WEM Deployment Install • WEM Agent Installation

                                    • On-Premises WEM and WEM Service Consoles
                                    • WEM Web Console
                                    • WEM Initial Setup
Module 21: WEM Consoles and Initial Setup • Migrating GPO settings to WEM

                                    • 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
Module 22: WEM System and Log On Optimization • Citrix Profile Management In WEM

Module 23: WEM Security and Lockdown Features

- WEM Security Management Features
- Privilege Elevation and Process Hierarchy Control
- WEM Transformer

Module 24: Planning - The WEM Agent

- WEM Settings Processing and WEM Agent Caches
- WEM Agent Integration with Citrix Virtual Apps and Desktops and Citrix DaaS

Module 25: WEM Monitoring, Reporting, and Troubleshooting

- WEM Monitoring and Reporting
- WEM On-Premises Troubleshooting
- WEM Service Troubleshooting
- WEM Agent Troubleshooting

Module 26: Upgrading WEM and Migration to WEM Service

- Upgrading Workspace Environment Management
- WEM On-Premises Migration to WEM Service

Weiterführende Kurse

CWS-255: Citrix DaaS Deployment and Administration CNS-227: Deploy and Manage NetScaler ADC with NetScaler Gateway

Kurstermine

Datum	Lokation	Time Zone	Sprache	Type	Durchführungsgarantie	PREIS
06 Oct 2025	Virtual Classroom	CEDT	German	Instructor Led Online	Yes	€2,990.00
08 Dec 2025	München	CET	German	Classroom		€2,990.00
08 Dec 2025	Virtual Classroom	CET	German	Instructor Led Online		€2,990.00

Zusätzliche Information

Diese Schulung ist auch als Vor-Ort-Schulung verfügbar. Bitte kontaktieren Sie uns, um mehr zu erfahren.