CTX301 - Citrix Virtual Apps and Desktops 7 Advanced Administration

Citrix - Citrix - Virtualizzazione e Cloud

Durata:	Lingue:	Certificazione:
5 Giorni	**Italiano**	**CCP-V Citrix Certified Professional - Virtualization**

Descrizione del corso

This intensive five-day training empowers IT professionals with advanced skills in administering and optimizing Citrix Virtual Apps and Desktops environments. Participants delve into high-availability, redundancy, multi-site zone management, App Layering, and Workspace Environment Management (WEM). The course also focuses on robust security configurations, comprehensive troubleshooting, and disaster recovery strategies. Perfect for those aiming to master the Citrix Certified Professional – Virtualization (CCP-V) certification.

Prerequisites:
Strong foundational knowledge of:
• Windows Server and Desktop operating systems.
• Active Directory, Policies, Profiles, Networking and Hypervisors.

Programma

Modulo 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

Modulo 2: Managing a Virtual Apps and Desktops Environment with Multiple Locations Zones

- 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

Modulo 3: Backups and Disaster Recovery

- Backups
- Disaster Recovery Considerations
- Disaster Recovery Process

Modulo 4: Advanced Authentication Methods

- Multi-factor Authentication – RADIUS and One Time Passwords (OTP)
- Multi-factor Authentication – Smart Card Authentication
- Federated Authentication

Modulo 5: App and Data Security

- Introduction to Application Security
- Preventing Jailbreak Attacks
- Minimizing the Impact of Attacks

Modulo 6: Secure VDAs

- Transport Layer Security (TLS) Virtual Delivery Agent (VDA) Encryption
- Microsoft Group Policy Objects (GPOs) and Citrix Policies
- Image Management

Modulo 7: Introduction to Troubleshooting

- Troubleshooting Methodology
- Resource Tools and Utilities
- Introduction to PowerShell

Modulo 8: Troubleshooting Access Issues

- Troubleshooting StoreFront
- Troubleshooting Citrix Gateway
- Troubleshooting Access and Authentication
- Troubleshooting App/Desktop Launch

Modulo 9: Troubleshooting Delivery Controller Issues

- Validating FlexCast Management Architecture (FMA) Services

Modulo 10: Troubleshoot Virtual Delivery Agent (VDA) Registration Issues

- Troubleshooting Virtual Delivery Agent (VDA) Registration

Modulo 11: Troubleshooting HDX Connection Issues

- Troubleshooting HDX Connections

Modulo 12: Intro to App Layering and Architecture Overview

- Citrix App Layering Introduction
- Architecture

Modulo 13: OS Layer

- OS Layers

Modulo 14: Platform Layer

- Platform Layer

Modulo 15: App Layers

- App Layers

Modulo 16: Elastic App and User Layers

- Elastic App Layering
- User Layers

Modulo 17: Deploy a Layered Image

- Using Layered Images with CVAD

Modulo 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

Modulo 19: Intro to WEM and 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

Modulo 20: WEM Deployment Install

- 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

Modulo 21: WEM Consoles and Initial Setup

- On-Premises WEM and WEM Service Consoles
- WEM Web Console
- WEM Initial Setup
- Migrating GPO settings to WEM

Modulo 22: Using WEM for Performance 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 23: WEM Security and Lockdown Features

- WEM Security 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