



CTX301 - Citrix Virtual Apps and Desktops 7 Advanced Administration

Citrix - Citrix - Virtualizzazione e Cloud

Durata:

5 Giorni

Lingue:

Italiano

Certificazione:

**CCP-V Citrix Certified Professional -
Virtualization**

ITCore Group

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Descrizione del corso

L'obiettivo del corso "**CTX301 - Citrix Virtual Apps and Desktop Advanced Administration**" è fornire le competenze necessarie per creare e gestire le funzioni avanzate di una **soluzione Citrix di virtualizzazione delle applicazioni e dei desktop** in Windows 10/11 (ambienti desktop) e Windows 2022 (ambienti server), per implementazioni tradizionali, on-premise.

Durante il corso si utilizzeranno i seguenti componenti: XenServer, Citrix Virtual Apps and Desktops, Citrix License Server, MCS, StoreFront, NetScaler (ICA Proxy, Load Balancing), Citrix Workspace App.

Il corso è basato sulla **versione 7 2402 LTSR** del prodotto, ma gli skills e i concetti fondamentali sono validi in buona parte per tutte le versioni.

Certificazione:

Il corso prepara a sostenere presso un centro Pearson Vue l'esame ufficiale 1Y0-312: Citrix Virtual Apps and Desktops 7 Advanced Administration.

Superando l'esame i candidati otterranno il badge di certificazione Citrix Certified Professional - Virtualization (CCP-V).

Finalità:

- Comprendere l'architettura, i componenti e le modalità di comunicazione di Citrix Virtual Apps and Desktops
- Comprendere i prerequisiti per gestire l'ambiente in modo efficace
- Delegare l'amministrazione e gestire le licenze
- Gestire un'infrastruttura Citrix Virtual Apps and Desktops in HA (High Availability)
- Comprendere i benefici del provisioning nativo con MCS
- Creare e gestire machine catalogs e delivery groups
- Configurare e gestire Storefront e Workspace App Deploy delle VM su Hypervisor on premise (XenServer)
- Creare e gestire le policies e i profili utente
- Gestire sessioni, siti e utenti con il Director Gestire le stampanti
- Configurare la sicurezza di un site

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

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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

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- 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

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- 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

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- 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

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