

CORSO CTX301

CITRIX VIRTUAL APPS AND DESKTOPS ADVANCED ADMINISTRATION

PRESENTAZIONE

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 **1YO-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)**.

DESTINATARI

-  Operatori di sistema
-  Amministratori di sistema
-  Sistemisti Cloud computing



Ambito:
Virtualizzazione



Vendor:
Citrix



+ Aula virtuale
+ one-to-one vILT
+ presenza in aula



Corso in italiano
e materiale
in inglese



Partecipanti:
Min 4
Max 8



5 giorni
(40 ore)
9-13/14-18



Docenti
certificati
CCE-V



Laboratorio:
SI



Materiale su
supporto
elettronico



Attestato di
partecipazione

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

PREPARAZIONE RACCOMANDATA

Si raccomanda a chi frequenta di avere una buona conoscenza di base sui prodotti Citrix dell'area virtualizzazione. Si raccomanda inoltre di avere possesso dei seguenti concetti e competenze:

- Concetti di virtualizzazione di server e desktop
- Esperienza su Windows Server e su Windows Desktop
- Conoscenza dello storage enterprise e del networking
- Familiarità con almeno un hypervisor (XenServer, MS Hyper-V, o VMware vSphere)
- Concetti di base sui differenti tipi di profili utente

PREZZI

Quota di partecipazione in aula: **€ 1.990 +IVA**

Sono disponibili sconti per partecipazioni in gruppo

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PROGRAMMA DEL CORSO CTX301 – CITRIX VIRTUAL APPS AND DESKTOPS ADVANCED ADMINISTRATION

Modulo 1: Introduction to Citrix Virtual Apps and Desktops Advanced Config, Redundancy, and Scalabilityssss

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: 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

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: Troubleshoot Access Issues

Troubleshooting StoreFront
Troubleshooting NetScaler Gateway
Troubleshooting Access and Authentication
Troubleshooting App/Desktop Launch

Modulo 9: Troubleshoot 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: Troubleshoot HDX Connection Issues

Troubleshooting HDX Connections

Modulo 12: Intro to App Layering and Architecture Overview

Citrix App Layering Introduction
Architecture

Moduleo 13: OS Layers

OS Layers

Modulo 14: Platform Layers

Platform Layers

Modulo 15: App Layers

App Layers

Modulo 16: Elastic App Layers and User Layers

Elastic App Layers
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

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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: WEM System and Log On 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 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

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