

# CITR-2 - CVAD-301 - CITRIX VIRTUAL APPS AND DESKTOPS ADVANCED ADMINISTRATION

Categoria: Citrix

## INFORMAZIONI SUL CORSO



Durata:  
5 Giorni



Categoria:  
Citrix



Qualifica Istruttore:  
Citrix Certified  
Instructor



Dedicato a:  
Professionista IT



Produttore:  
Citrix

## OBIETTIVI

- 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.

## PREREQUISITI

Strong foundational knowledge of:

- Windows Server and Desktop operating systems.
- Active Directory, Policies, Profiles, Networking and Hypervisors.

## CONTENUTI

### **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 Methodology
- Resource Tools and Utilities
- Introduction to PowerShell

### **Module 8: Troubleshoot Access Issues**

- Troubleshooting StoreFront
- Troubleshooting NetScaler Gateway
- Troubleshooting Access and Authentication
- 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 Layers

### **Module 14: Platform Layers**

- Platform Layers

**Module 15: App Layers**

- App Layers

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

- Elastic App 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

**Module 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

**Module 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

**Module 21: WEM Consoles and Initial Setup**

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

**Module 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

**INFO**

**Esame:** 1Y0-312 - Citrix Virtual Apps and Desktops 7 Advanced Administration --- Citrix Certified Professional - Virtualization (CCP-V)

**Materiale didattico:** Materiale didattico ufficiale Citrix in formato digitale

**Costo materiale didattico:** incluso nel prezzo del corso a Calendario

**Natura del corso:** Operativo (previsti lab su PC)