

# CITR-6 - CWS-415 - CITRIX VIRTUAL APPS AND DESKTOPS 7 ARCHITECT DESIGN SOLUTIONS

Categoria: Citrix

## INFORMAZIONI SUL CORSO



Durata:  
5 Giorni



Categoria:  
Citrix



Qualifica Istruttore:  
Citrix Certified  
Instructor



Dedicato a:  
Professionista IT



Produttore:  
Citrix

## OBIETTIVI

- Identify risks and areas for improvement in a Citrix Virtual Apps and Desktops environment by assessing relevant information in an existing deployment.
- Determine core Citrix Virtual Apps and Desktops design decisions and align them to business requirements to achieve a practical solution.
- Design a Citrix Virtual Apps and Desktops disaster recovery plan and understand different disaster recovery considerations.

## PREREQUISITI

This course requires extensive experience with Citrix Virtual Apps and Desktops 7 as well as experience with Citrix Gateway and supporting infrastructure.

Recommended:

- CWS-215 - Citrix Virtual Apps and Desktops 7 Deployment and Administration
- CWS-315 - Citrix Virtual Apps and Desktops 7 Advanced Administration

## CONTENUTI

### Module 1: Methodology & Assessment

- The Citrix Consulting Methodology
- Citrix Consulting Methodology Use
- Business Drivers
- Prioritize Business Drivers
- User Segmentation
- User Segmentation Process
- App Assessment Introduction
- App Assessment Analysis
- Why Perform a Capabilities Assessment?
- Common Capabilities Assessment Risks

### Module 2: User Layer

- Endpoint Considerations
- Peripherals Considerations
- Citrix Workspace App Version Considerations
- Citrix Workspace App Multiple Version Considerations
- Network Connectivity and the User Experience
- Bandwidth and Latency Considerations
- Graphics Mode Design Considerations
- HDX Transport Protocols Considerations
- Media Content Redirection Considerations
- Session Interruption Management Session Reliability Feature Considerations
- Session Interruption Management AutoClient Reconnect Feature Considerations
- Session Interruption Management ICA Keep-Alive Feature Considerations

### **Module 3: Access Layer**

- Access Matrix
- Access Layer
- Access Layer Communications
- Double-Hop Access Layer Considerations
- Citrix Cloud Access Layer Considerations
- Use Cases for Multiple Stores
- Define Access Paths per User Group
- Define Number of URLs
- Configuration and Prerequisites for Access Paths
- Citrix Gateway Scalability
- Citrix Gateway High Availability
- StoreFront Server Scalability
- StoreFront Server High Availability

### **Module 4: Resource Layer - Images**

- Flexcast Models
- VDA Machine Scalability
- VDA Machine Sizing with NUMA
- VDA Machine Sizing
- VDA Machine Scalability Cloud Considerations
- Scalability Testing and Monitoring
- Secure VDA Machines Network Traffic
- Secure VDA Machines Prevent Breakouts
- Secure VDA Machines Implement Hardening
- Secure VDA Machines Anti-Virus
- Review of Image Methods
- Citrix Provisioning Overall Benefits and Considerations
- Citrix Provisioning Target Device Boot Methods
- Citrix Provisioning Read Cache and Sizing
- Citrix Provisioning Write Cache Type
- Citrix Provisioning vDisk Store Location
- Citrix Provisioning Network Design
- Citrix Provisioning Scalability Considerations
- Citrix Machine Creation Services Overall Benefits and Considerations

- Citrix Machine Creation Services Cloning Types
- Citrix Machine Creation Services Storage Locations & Sizing
- Citrix Machine Services Read and Write Cache
- App Layering Considerations
- Image Management Methods

#### **Module 5: Resource Layer - Applications and Personalization**

- Application Delivery Options
- Determine the Optimal Deployment Method for an App
- General Application Concerns
- Profile Strategy Profile Types Review
- Citrix Profile Management Design Considerations
- Citrix Profile Management Scaling
- Citrix Profile Management Permissions
- Policies Review
- Optimize Logon Performance with Policies
- Printing Considerations

#### **Module 6: Control Layer**

- Pod Architecture Introduction
- Pod Architecture Considerations
- Citrix Virtual Apps and Desktops Service Design Considerations
- Implement User Acceptance Testing
- Load Balancing the Machine Running the VDA
- Citrix Director Design Considerations
- Management Console Considerations
- Change Control
- Delivery Controller Scalability and High Availability
- Control Layer Security
- Configuration Logging Considerations
- Session Recording

#### **Module 7: Hardware/Compute Layer**

- Hypervisor Host Hardware Considerations
- Separating Workloads Considerations
- Workload Considerations
- VMs Per Host and Hosts Per Pool
- Citrix Hypervisor Scalability
- VM Considerations in Azure and Amazon Web Services
- Storage Tier Considerations
- Storage I/O Considerations
- Storage Architecture
- Storage RAID & Disk Type
- Storage Sizing LUNs
- Storage Bandwidth
- Storage in Public Cloud
- Datacenter Networking Considerations
- Securing Hypervisor Administrative Access

- Secure the Physical Datacenter
- Secure the Virtual Datacenter

## **Module 8: High Availability and Multiple Location Environments**

- Redundancy vs. Fault Tolerance vs. High Availability
- Multi-Location Architecture Considerations
- Multi-Site Architecture Considerations
- Global Server Load Balancing
- Optimal Gateway Routing
- Zone Preference and Failover
- StoreFront Resource Aggregation
- StoreFront Subscription Sync
- Hybrid Environment Options
- Citrix Provisioning Across Sites
- Site Database Scalability and High Availability
- Citrix Provisioning Across Sites Considerations
- Citrix Machine Creation Across Sites
- App Layering Across Sites
- Managing Roaming Profiles and Citrix Workspace App Configurations Across Devices
- Profile Management Multi-Site Replication Considerations
- Folder Redirections and Other User Data in a Multi-Location Environment
- Application Data Considerations
- Cloud-Based Storage Replication Options
- Multi-Location Printing Considerations
- Zone Considerations
- Active Directory Considerations

## **Module 9: Disaster Recovery**

- Tiers of Disaster Recovery
- Disaster Recovery Considerations
- Business Continuity Planning and Testing
- Citrix Standard of Business Continuity

## **INFO**

**Esame:** 1Y0-403 - Citrix Virtual Apps and Desktops 7 Assessment, Design and Advanced Configurations --- Citrix Certified Expert - Virtualization (CCE-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)