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

Categoria: **Citrix**

INFORMAZIONI SUL CORSO

Durata:	Categoria:	Qualifica Istruttore:	Dedicato a:	Produttore:
5 Giorni	Citrix	Citrix Certified Instructor	Professionista IT	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 e comprensivo di voucher esame Pearson VUE
Costo materiale didattico: incluso nel prezzo del corso a Calendario
Natura del corso: Operativo (previsti lab su PC)