CORSO CTX415

CITRIX VIRTUAL APPS AND DESKTOPS ADVANCED ADMINISTRATION

PRESENTAZIONE

L'obiettivo del corso **"CTX415 – Citrix Virtual Apps and Desktops 7 Architect Design Solutions"** è fornire ai partecipanti le competenze necessarie per progettare una soluzione Citrix di virtualizzazione delle applicazioni e dei desktop in ambiente single session e multi session.

Per la formazione si utilizzeranno i seguenti componenti: Citrix Hypervisor, Citrix Virtual Apps and Desktops, Citrix License Server, MCS, StoreFront, Citrix App Layering, Citrix WEM, Citrix Workspace App, Citrix Workspace.

Il corso è basato sulla versione **7 2402 LTSR di Citrix VAD**, 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 **1Y0–403: Citrix Virtual Apps and Desktops 7 Assessment**, Design and Advanced Configurations. Superando l'esame i candidati otterranno la certificazione **Citrix Certified Expert – Virtualization (CCE–V)**

DESTINATARI

- IT architects
- Amministratori di sistema

Ambito: Virtualizzazione	Vendor: Citrix	+ Aula virtuale + one-to-one vILT + presenza in aula	Corso in italiano e materiale in inglese	Partecipanti: Min 4 Max 12
5 giorni (40 ore) 9–13/14–18	Docenti certificati CCE–V	Laboratorio: SI	Materiale su supporto elettronico	Attestato di partecipazione

FINALITÀ

- Identificare i rischi e le aree di intervento per migliorare un ambiente Citrix Virtual Apps and Desktops
- Determinare le scelte architetturali Creare un ambiente di Disaster Recovery
- Comprendere i concetti avanzati di Citrix Cloud

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 (Citrix Hypervisor, MS Hyper–V, o Vmware vSphere)
- Aver conseguito le certificazioni CCA–V e CCP–V.

PREZZI

Quota di partecipazione in aula: **€ 1.990 +IVA**
Sono disponibili sconti per partecipazioni in gruppo

PROGRAMMA DEL CORSO CTX415 – CITRIX VIRTUAL APPS AND DESKTOPS ADVANCED ADMINISTRATION

Modulo 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

Modulo 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 Auto-Client
Reconnect Feature Considerations
Session Interruption Management ICA
Keep-Alive Feature Considerations

Modulo 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

Modulo 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

Modulo 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

Modulo 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

Modulo 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   **CTX415 ver. 1.0**

Modulo 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

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