

Citrix Virtual Apps and Desktops 7 Architect Design Solutions («CWS415»)

In diesem Fortgeschrittenenkurs lernen Sie, anhand von Designprinzipien eine «Citrix Virtual Apps und Desktops»-Virtualisierungslösung zu erstellen. Umgebungen bewerten und Szenarien untersuchen sind ein weiterer Bestandteil dieser Schulung.

Dauer: 5 Tage

Preis: 4'500.– zzgl. 8.1% MWST

Kursdokumente: Elektronische Original-Citrix-Kursunterlagen (eCourseware)

Inhalt

1. Methodology & Assessment Module 3: Access Layer

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

2. User Layer

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

3. Access Layer

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

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

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

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

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

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

9. Disaster Recovery

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

Key Learnings

- Identifizierung von Risiken und Verbesserungspotenzialen in einer «Citrix Virtual Apps und Desktops»-Umgebung durch Bewertung relevanter Informationen in einer bestehenden Implementierung
- Festlegen der wichtigsten Designentscheidungen für «Citrix Virtual Apps und Desktops» und diese auf die Geschäftsanforderungen abstimmen, um eine praxisnahe Lösung zu erreichen
- Entwickeln eines «Citrix Virtual Apps and Desktops»-Disaster-Recovery-Plans und Verstehen der verschiedenen Überlegungen zur Disaster Recovery

Entwickelt für IT-Experten mit umfangreicher Erfahrung mit Citrix Virtual Apps und Desktops 7 sowie unterstützender Infrastruktur. Dieser Kurs richtet sich an Personen, die für Umweltdesign und die allgemeine Gesundheit verantwortlich sind oder andere durch den Prozess führen (als Berater).

Anforderungen

Dieser Kurs setzt umfangreiche Erfahrung mit Citrix Virtual Apps und Desktops 7 sowie Erfahrung mit Citrix Gateway und unterstützender Infrastruktur voraus.

- Citrix Virtual Apps and Desktops 7 Administration On-Premises and in Citrix Cloud («CWS215»)
- Citrix Virtual Apps and Desktops 7 Advanced Configuration and WEM Administration («CWS322»)
- Citrix Virtual Apps and Desktops 7 Advanced Deployment, Troubleshooting, Security and Administration

Zusatzinfo

In diesem Kurs erhalten Sie elektronische Kursunterlagen. Die Unterlagen werden Ihnen vor dem Kurs auf die von Ihnen bei der Anmeldung hinterlegte Adresse zugestellt. Um parallel zum Unterricht die Inhalte und Übungen nachzulesen oder die Unterlagen gleich am richtigen Ort zu speichern, bringen Sie bitte Ihr eigenes Tablet oder Laptop mit.

Haben Sie Fragen oder möchten Sie einen Firmenkurs buchen?

Wir beraten Sie gerne unter 044 447 21 21 oder info@digicomp.ch. Detaillierte Infos zu den Terminen finden Sie unter www.digicomp.ch/weiterbildung-it-provider/citrix/kurs-citrix-virtual-apps-and-desktops-7-architect-design-solutions