



Engineering a Citrix Virtualisation Solution

Cursusduur: 5 Dagen Cursuscode: CVE-400-11

Beschrijving:

Nederlands

De 'Engineering a Citrix® Virtualization Solution' cursus leert Citrix ingenieurs hoe taken, die nodig zijn voor een succesvolle integratie van de technologieën die onderdeel uitmaken van een Citrix virtualisatie-oplossing in een Windows Server 2008 omgeving, kunnen worden gepland en uitgevoerd.

Na afloop van de cursus zijn cursisten in staat zijn om beoordelingsdocumentatie te interpreteren, een virtualisatie oplossingsproject te plannen en de belangrijkste Citrix virtualisatie-technologieën te integreren, waaronder XenApp, XenServer en XenDesktop. Het doel van de integratie van deze technologieën is het creëren van een holistische, end-to-end virtualisatie-oplossing die de meest urgente business kwesties van de dag constateert. Het uitgebreide, hands-on curriculum van deze cursus omvat verschillende oefeningen die het mogelijk maken voor cursisten om de geavanceerde technische kennis die zijn hebben opgedaan te demonstreren.

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English

The CVE-400-11 Engineering a Citrix® Virtualization Solution course teaches Citrix engineers how to plan for and perform the tasks necessary to successfully integrate the component technologies that make up a Citrix virtualization solution in a Windows Server 2008 environment. Upon course completion, students will be able to interpret environmental assessment documentation, plan for a virtualization solution project and integrate key Citrix virtualization technologies, including XenApp, XenServer, and XenDesktop, to create a holistic, end-to-end virtualization solution that will address the most pressing business issues of the day. The extensive, highly hands-on curriculum includes exercises that allow students to demonstrate the advanced technical knowledge gained from instruction.

Doelgroep:

De cursus is bedoeld voor: IT-professionals als netwerk- en systeembeheerders, engineers, consultants en architecten die bekend zijn met Windows Server 2008 en de virtualisatie-oplossingen van Citrix. IT-professionals die zich willen certificeren als Citrix Certified Enterprise Engineer (CCEE) for Virtualization en Citrix Certified Integration Architect (CCIA) for Virtualization.

Doelstelling:

- Na afloop van de training bent u in staat om:
- Explain the benefits and considerations for VM storage, including local host disk, iSCSI SAN, Fibre Channel SAN and NFS SAN.
- Explain how network considerations, including network topology, utilization requirements and the number of interfaces, affect a virtualization host server.
- Configure network connectivity and storage for the XenServer host.
- Configure a resource pool for optimal performance.
- Identify information in the project documentation that is required for project decision-making purposes.
- Create an order of execution plan that reflects the tasks required to implement the virtual solution and organizational goals.
- Identify the available Provisioning Services server optimizations.
- Install, configure and test a Provisioning Services configuration.
- Configure XenApp for optimal performance in a virtualized environment.
- Prepare, install and configure a provisioned XenApp server within a Citrix virtualization solution.
- Identify the components that comprise a XenDesktop virtual solution.
- Provision a XenDesktop pool in a virtual solution.
- Identify the uses and differences of EdgeSight for Load Testing, EdgeSight for Endpoints and EdgeSight for XenApp.
- Configure an EdgeSight alert to trigger a Workflow Studio workflow.
- Identify common workflows that can be automated using Workflow Studio.
- Perform a XenApp server upgrade using the vDisk update process.

Vereiste kennis en vaardigheden:

Cursisten dienen bij aanvang van de training over de volgende kennis en vaardigheden te beschikken:

Ervaring met de volgende Citrix producten:

- Citrix XenApp 4.5 or higher
- Citrix XenServer 5.0 or higher
- Citrix XenDesktop 2.0 or higher
- Citrix Provisioning Services 5.0 or higher
- Citrix EdgeSight for Load Testing 3.0
- Citrix EdgeSight for Endpoints 5.0
- Citrix EdgeSight for XenApp 5.0

Ervaring met Windows Server 2008, inclusief:

- Active Directory
 - Terminal Services
 - DHCP
 - DNS
 - Performance Monitoring
 - Troubleshooting
 - Base OS, including server roles
 - Group Policy Objects
- Ervaring met Microsoft SQL Server

Ter voorbereiding worden de volgende trainingen aanbevolen:

- CXA-201-1 - Implementing Citrix XenApp 5.0 for Windows Server 2008
- CXS-200-1 - Implementing Citrix XenServer Enterprise Edition 5.0
- CXD-200-1 - Implementing Citrix XenDesktop 3
- CXA-300-1 - Advanced Administration for Citrix XenApp 5.0 for Windows Server 2008

Examens en certificering

De training CVE-400 bereidt kandidaten voor op het Citrix examen A15: Engineering a Citrix Virtualization Solution. Dit examen is een verplicht onderdeel voor het behalen van de volgende Citrix certificeringen:

- Citrix Certified Enterprise Engineer (CCEE) for Virtualization
- Citrix Certified Integration Architect (CCIA) for Virtualization

Cursusinhoud:

In de training komen de volgende onderwerpen aan de orde:

- Host Server Concepts
- Key Virtualization Terms
- Hardware Configuration
- Memory Considerations
- CPU Considerations
- Network Considerations
- Virtual Machine Management
- Virtual Machine Migration
- Identifying Media Storage Considerations
- Differentiating Between Local Storage and SAN
- Determining RAM Scalability
- Determining CPU Scalability
- Determining Network Interface Strategies
- Determining HA Priority Levels
- Identifying Storage Overcommitment Risks
- XnServer Integration
- ISO Storage
- Pre-Installation Considerations
- Troubleshooting
- Configuring XenServer Networking
- Configuring XenServer Storage
- Creating a Resource Pool
- Testing High Availability
- Project Planning and Implementation Strategies
- Project Roles
- Project Documentation
- Implementation Planning
- Implementation Case Studies
- Identifying Gaps in Documentation
- Interpreting Project Documentation and Identifying Goals
- Provisioning Services Integration
- Network Support of Streaming
- Provisioning Services Optimizations
- Streaming Other Workloads
- Troubleshooting
- Installing and Configuring Provisioning Services Server
- Creating and Configuring the vDisk
- Testing the Configuration
- Adding Additional Server to Farm
- Configuring Load Balancing and HA for Provisioning Services
- XenApp Integration
- Application Delivery
- XenApp Configurations
- Provisioning Services with XenApp
- XenApp Migration
- Troubleshooting
- Installing XenApp
- Provisioning XenApp Servers
- Configuring XenApp Servers
- XenDesktop Integration
- Virtual Desktop Components
- Desktop Groups
- XenDesktop Management
- NetScaler VPX
- Troubleshooting
- Installing the Desktop Delivery Controller

- Installing the Additional Desktop Delivery Controllers
- Configuring the XenDesktop Farm
- Creating a Virtual Desktop VM
- Provisioning the XenDesktop Pool
- Configuring the Desktop Group
- Testing the Desktop Pool
- Configuring NetScaler VPX
- Virtualized Environment Monitoring
- EdgeSight
- EdgeSight for Load Testing
- Installing EdgeSight for Load Testing
- Installing EdgeSight Server
- Configuring the EdgeSight Server
- Installing EdgeSight Agent Database Server
- Installing EdgeSight Agent on XenDesktop Desktops
- Configuring EdgeSight
- Testing the Monitoring Environment
- Virtualized Environment Maintenance
- Workflow Studio Overview
- Workflow Automation
- Sample Maintenance Workflows
- XenApp and XenDesktop Server Backup
- Configuring a XenServer Metadata Backup Schedule
- Performing a XenServer Hotfix Update
- Performing a XenApp Application Update
- Upgrading a Provisioned XenApp Server
- Configuring Lab Manager
- Configuring Citrix Receiver for Citrix Dazzle

Extra informatie:

Deze training zal in het voorjaar van 2012 doorgaan als CVE-401.

De Citrix trainingen van Global Knowledge worden altijd gegeven door officieel gecertificeerde en geautoriseerde Citrix docenten. Tevens wordt er altijd gebruik gemaakt van het officiële cursusmateriaal van Citrix en/of lab omgevingen van Citrix. Hierdoor bent u ervan gegarandeerd dat u optimaal wordt opgeleid voor een eventueel Citrix examen.

Nadere informatie:

Neem voor nadere informatie of boekingen contact op met onze Customer Service Desk 030 - 60 89 444

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