Architecting a Citrix Virtualisation Solution

Overview
The CVA-500-2 Architecting a Citrix Virtualization Solution courseware teaches Citrix architects how to analyze and design a comprehensive Citrix virtualization solution. Based on the Citrix Consulting Services Methodology, the course will provide students with the key considerations for managing the project, assessing environment readiness and risks and designing the appropriate solution according to Citrix best practices. Students will gain real-world insight from the field and practice assessment and design exercises based on challenging, enterprise-level scenarios.

Audience: This course is intended for IT professionals, such as Server, Network and Systems Engineers. Systems integrators, Systems Administrators and Application Engineers are also appropriate candidates for this course.

Prerequisites
The following preparatory recommendations describe the experience and knowledge students should possess to ensure successful completion of this course.

Experience with or understanding of the following Citrix products: TM 4.5 or higher TM 5.0 or higher

- Citrix XenApp
- Citrix XenServer
- Citrix Provisioning Services
- Citrix XenDesktop 3.0 or higher
- Citrix Access Gateway Enterprise Edition 9.0 or higher
- Citrix Branch Repeater 5.0 or higher
- Citrix EdgeSight for Endpoints 5.0
- Citrix EdgeSight for XenApp 5.0
- Active Directory
- Terminal Services
- DHCP
- DNS
- Group Policy Objects
- SQL Server
- Performance monitoring tools
- Troubleshooting tools

Experience with, or strong understanding of, the following:

- Server virtualization, including hypervisor configuration and virtual machine management tools
- Server hardware, including NIC configuration, power, cooling and rack enclosure configurations
- Virtual networking, including VLANs and addressing
- Enterprise-level storage technologies
- Citrix XenApp application virtualization
- Citrix XenDesktop, including Provisioning Services
- SSL VPN functionality

Completion of the following courses or demonstrate equivalent knowledge:

- 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

Delegates will learn how to

- Describe the phases of the Citrix Consulting Methodology and distinguish between Assessment and Design projects.
- Determine the type of information to be collected about the existing desktop infrastructure and supporting processes.
- Describe how applications can be delivered within a Citrix virtualization infrastructure.
- Identify the server performance metrics that determine whether a server is a good virtualization candidate.
- Identify areas of the network architecture that should be included in an infrastructure assessment.
- Identify which factors to check when assessing security and the user authentication process.
- Gather data about testing, control and support processes, as well as user issues, backup and recovery plans in an environment.
- Define the purpose of the conceptual architecture diagram, documentation and validation process.
- Evaluate and recommend delivery methods for application types.
- Recognize tuning and optimizations that can improve the performance of the operating system and server.
- Describe the design considerations for the Desktop Delivery Controller and Citrix XenDesktop farms.
- Identify options for providing Provisioning Services bootstrap redundancy and available network optimizations for Provisioning Services.
- Determine the optimal shared storage design to provide high availability for vDisks and the optimal vDisk type to implement in an environment.
- Determine the appropriate network design for a XenServer implementation in an environment.
- Determine how to configure an Access Gateway implementation for an environment.
- Describe general ICA protocol optimization techniques.
- Evaluate design considerations for integrating Branch Repeater into an Access Gateway design.
- Recognize how risk can impact a virtualization solution.

Related training courses

Implementing Citrix Access Gateway 9.0 Enterprise Edition
Citrix Branch Repeater 6.0 Administration
Advanced Administration for Citrix NetScaler 9.0 Platinum Edition
Designing Windows Server 2008 Network and Applications Infrastructure
Designing a Windows Server 2008 Active Directory Infrastructure and Services

Related Certifications
This course forms part of the following certification track(s):
- CCIA for Virtualization

For more details contact R-Com Consulting today Tel: 00 44 (0)161 343 3833