CWS-415 Citrix Virtual Apps and Desktops 7 Assessment, Design and Advanced Configuration

Duration: **2 Days**

Prerequisites:

To ensure that you can fully benefit from the CWS-415 Citrix Virtual Apps and Desktops 7 Assessment, Design and Advanced Configuration course, you should possess the following minimum prerequisites:

- Basic understanding of concepts related to virtualization technology, such as what virtual machines are and how they are commonly used.
- Familiarity with networking principles, including an understanding of IP addressing, subnets, and basic routing.
- Knowledge of Microsoft Windows Server environments, including Active Directory, Group Policy, and the roles/features of Windows Server.
- Experience with Citrix Virtual Apps and Desktops 7 or previous versions of Citrix XenApp and XenDesktop, particularly in areas of administration or deployment.
- Awareness of general desktop and application delivery concepts, such as publishing applications and managing user access.
- Understanding of the OSI model to comprehend different networking layers involved in Citrix solutions.

Please note that while having these prerequisites will greatly aid your learning experience, the course is designed to guide you through the process of assessing, designing, and implementing a comprehensive Citrix Virtual Apps and Desktops solution. If you identify areas where your knowledge is lacking, we recommend reviewing those topics or taking introductory courses before enrolling in CWS-415.

Course Description:

The CWS-415 Citrix Virtual Apps and Desktops 7 Assessment, Design and Advanced Configuration course is an expert-level training program focused on teaching IT professionals how to assess, design, and implement a comprehensive Citrix Virtual Apps and Desktops solution. Covering a wide range of topics from methodology, user and access layers to disaster recovery, this course equips learners with the skills to tailor Citrix environments to meet specific business and user requirements effectively. Participants will delve deep into various aspects including user segmentation, application and capabilities assessment, endpoints, network connectivity, resource layer management, control layer scalability, and hardware considerations. By learning how to maintain an app layering environment and strategize for disaster recovery, individuals will be able to ensure high availability and security within their Citrix deployments. The CWS-415 course will significantly benefit learners by empowering them with the knowledge to design and manage advanced Citrix infrastructures.

Target Audience:

The CWS-415 course is designed for IT professionals focusing on Citrix virtualization solutions and advanced configuration.

- IT Architects and Consultants specializing in Citrix environments
- Systems Administrators responsible for Citrix Virtual Apps and Desktops
- Citrix Administrators aiming to deepen their skillset
- Network Engineers who manage and support Citrix solutions
- Virtualization Engineers focusing on Citrix-based infrastructures
- Infrastructure Engineers who design and implement Citrix projects
- Desktop and Application Virtualization Analysts
- Technical Support Staff for Citrix Virtual Apps and Desktops environments
- Business Continuity and Disaster Recovery Specialists

Course Outlines:

Module 1: Methodology & Assessment
- Methodology
- Business Drivers
- User Segmentation
- Application Assessment
- Capabilities Assessment

Module 2: User Layer
- Endpoints & Peripherals
- Citrix Workspace App
- Network Connectivity

Module 3: Access Layer
- Access Matrix*
- Access Layer Architecture Design Considerations
- StoreFront Store Design
- Scalability and Redundancy

Module 4: Resource Layer - Images
- FlexCast Model Assignment*
- Virtual Delivery Agent Machine Scalability
- Virtual Delivery Agent Machine Security
- Provisioning Strategy / Image Management

Module 5: Resource Layer - Applications and Personalization
- Application Delivery
- Profiles
- Policies
- Printing*

Module 6: Control Layer
- Citrix Virtual Apps and Desktops Site Design
- Machine Catalogs & Delivery Groups*
- Site Management Considerations
- Control Layer Scalability & High Availability
- Control Layer Security

Module 7: Hardware/Compute Layer
- Assessment Considerations for Hardware & Hypervisor Selection
- Cluster / Resource Pool Design
- Hardware / Compute Layer Sizing
- Storage
- Datacenter Networking
- Security

Module 8: Maintaining an App Layering Environment
- Multiple Location Considerations – Introduction
- Multiple Location Considerations – Access
- Multiple Location Considerations - Image Management
- Multiple Location Considerations - Profiles & Data
- Multiple Location Considerations – Printing
- Multiple Location Considerations - Control Layer

Module 9: Disaster Recovery
- Disaster Recovery – Levels
- Disaster Recovery – Strategy
- Disaster Recovery – Process

*Optional content based on instructor criteria