CNS-225: Deploy and Manage Citrix ADC 13.x with Traffic Management

Duration: 5 Days

Prerequisites:

To ensure a successful training experience in the CNS-225: Deploy and Manage Citrix ADC 13.x with Traffic Management course, the following are the minimum required prerequisites:

- Basic understanding of the TCP/IP protocol suite.
- Familiarity with networking concepts such as routing and switching.
- Knowledge of common network devices such as routers, switches, and firewalls.
- Awareness of basic network security concepts and best practices.
- Experience with the Windows or UNIX/Linux operating systems.
- Some understanding of server load balancing and site redundancy concepts.
- Basic knowledge of SSL and its role in securing data transactions.

While the course is designed to be comprehensive, having this foundational knowledge will help you grasp the course material more effectively and enhance your learning experience.

Course Description:

The CNS-225: Deploy and Manage Citrix ADC 13.x with Traffic Management course is a comprehensive training program designed for network and systems administrators tasked with managing Citrix ADC platforms. This course covers the key components and procedures required to deploy, secure, and manage Citrix ADC 13.x, including traffic management, load balancing, and high availability. Learners will gain hands-on experience with Citrix ADC's features through lessons on basic networking, ADC platforms, SSL offloading, security, and advanced policies. The course delves into topics like content switching, optimization, and global server load balancing (GSLB), ensuring participants can effectively optimize and troubleshoot Citrix ADC in a production environment. By completing the CNS-225 course, learners will acquire the skills necessary to manage traffic within their data center and maximize the performance and security of their Citrix networking environment.

Target Audience:

- Network Engineers
- Systems Administrators
- Citrix Administrators
- Technical Support Staff
- Cloud Infrastructure Engineers
- IT Professionals involved in Citrix solutions
- Security Specialists managing Citrix environments
- Network Architects designing traffic management solutions
- Operations Engineers responsible for Citrix ADC deployments
- IT Consultants specializing in Citrix technologies and optimization
- Professionals seeking Citrix Certified Associate – Networking (CCA-N) certification

Course Outlines:

Module 1: Getting Started

- Introduction to Citrix ADC
- Feature and Platform Overview
- Deployment Options
- Architectural Overview
- Setup and Management

Module 2: Basic Networking

- Networking Topology
- Citrix ADC Components
- Routing
- Access Control Lists

Module 3: ADC Platforms

- Citrix ADC MPX
- Citrix ADC VPX
- Citrix ADC CPX
- Citrix ADC SDX
- Citrix ADC BLX

Module 4: High Availability

- Citrix ADC High Availability
- High Availability Configuration
- Managing High Availability
- In Service Software Upgrade
- Troubleshooting High Availability

Module 5: Load balancing

- Load Balancing Overview
- Load Balancing Methods and Monitors
- Load Balancing Traffic Types
- Load Balancing Protection
- Priority Load Balancing
- Load Balancing Troubleshooting

Module 6: SSL Offloading

- SSL Overview
- SSL Configuration
- SSL Offload
- Troubleshooting SSL Offload
- SSL Vulnerabilities and Protections

Module 7: Security

- Citrix ADC Logging
- Monitoring with SNMP
- Reporting and Diagnostics
- AppFlow Functions
- Citrix Application Delivery Management
- Troubleshooting

Module 8: Monitoring and Troubleshooting

- Authentication, Authorization, and Auditing
- Configuring External Authentication
- Admin Partitions

Module 9: Advanced Policies

- Default Policy Overview
- Default Expression Syntax
- Policy Bindings
- AppExpert Additional Features

Module 10: Rewrite Responder URL

- Transformation
- Rewrite Policies
- Responder Policies
- DNS Rewrite and Responder
- URL Transformation

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