

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



Days: 5

Prerequisites: This course requires little to no previous experience with Citrix ADC; however, Citrix recommends a basic understanding of TCP/IP, HTTP, and of the OSI model, network devices, and networking protocols.

Audience: Built for IT Professionals working with Citrix ADC, with little or no previous ADC experience. Potential students include administrators, engineers, and architects interested in learning how to deploy or manage Citrix ADC features using leading practices.

Description: Build your Citrix ADC knowledge and skills by enrolling in this five-day course. It covers Citrix ADC essentials-- platforms, architecture, licensing and functionality – and also focuses on traffic management, including content switching, traffic optimization and global server load balancing (GSLB). You will learn about key ADC capabilities such as high availability, security and performance, and explore SSL offload, load balancing and monitoring. The traffic management curriculum will cover the AppExpert policy engine, the Rewrite and Responder features, and Content Switching.

Course Objectives:

- Understand the functionalities and capabilities of Citrix ADC
- How to obtain, install, and manage Citrix ADC licenses
- Comprehend basic ADC network architecture
- Understand how SSL is used to secure Citrix ADC
- Optimize the ADC system for traffic handling and management

OUTLINE:

LESSON 1: GETTING STARTED

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

LESSON 2: BASIC NETWORKING

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

LESSON 3: ADC PLATFORMS

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

LESSON 4: HIGH AVAILABILITY

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

LESSON 5: LOAD BALANCING

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

LESSON 6: SSL OFFLOADING

- SSL Overview
- SSL Configuration
- SSL Offload

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- Troubleshooting SSL Offload
- SSL Vulnerabilities and Protections

LESSON 7: SECURITY

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

LESSON 8: MONITORING AND TROUBLESHOOTING

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

LESSON 9: ADVANCED POLICIES

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

LESSON 10: REWRITE RESPONDER URL TRANSFORMATION

- Rewrite Policies
- Responder Policies
- DNS Rewrite and Responder
- URL Transformations

LESSON 11: CONTENT SWITCHING

- Content Switching Overview
- Content Switching Configuration

LESSON 12: OPTIMIZATION

- CITRIX ADC Optimization Overview
- HTTP Compression
- Integrated Caching
- Front-End Optimization

LESSON 13: GLOBAL SERVER LOAD BALANCING

- GSLB Overview
- GSLB Architecture
- Content-Switching GSLB
- GSLB MEP and Monitoring
- Customizing GSLB