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Learning Style: Virtual Classroom

Provider: Citrix

Difficulty: Intermediate

Course Duration: 5 Days

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

About this Course:

Build your Citrix ADC knowledge and skills by enrolling in this five-day course. This course 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 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

Audience:

- Built for IT professionals working with Citrix ADC with little to no previous ADC experience. Potential students include administrators, engineers, and architects interested in learning how to implement and manage Citrix ADC features using leading practices.

Prerequisites:

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

Course Outline:

Module 1: Getting Started

Learning Objectives

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

Module 2: Basic Networking

Learning Objectives

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

Module 3: ADC Platforms

Learning Objectives

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

- Citrix ADC BLX

Module 4: High Availability

Learning Objectives

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

Module 5: Load balancing

Learning Objectives

- 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

Learning Objectives

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

Module 7: Security

Learning Objectives

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

Module 8: Security

Learning Objectives

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

- Troubleshooting

Module 9: Advanced Policies

Learning Objectives

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

Module 10: Rewrite Responder URL Transformation

Learning Objectives

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

Module 11: Content Switching

Learning Objectives

- Content Switching Overview
- Content Switching Configuration

Module 12: Optimization

Learning Objectives

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

Module 13: Global Server Loading Balancing

Learning Objectives

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

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