

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

Modality: Virtual Classroom

Duration: 5 Days

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

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

Module 11: Content Switching

Content Switching Overview
Content Switching Configuration

Module 12: Optimization

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

Module 13: Global Server Load Balancing

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