

## CNS-225

### Deploy and Manage Citrix ADC with Traffic Management

#### Overview

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 AppExpert policy engines, the Rewrite and Responder features, content switching, and Security Insight. The course is designed for IT professionals with little or no Citrix ADC experience.

#### What you'll learn

- 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
- Customize the ADC system for traffic flow and content-specific requirements

#### Prereq. Knowledge

This course requires little to no previous experience with Citrix ADC; however, Citrix recommends completing the free Citrix ADC Introduction bundle at [elearning.citrix.com](http://elearning.citrix.com).

#### Is this course for me?

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.

#### Instructional Method

Classroom or Virtual w/ hands-on labs

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## Course Length

5 days

**Certification:** CCA-N

## Topic 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: Citrix ADC Platforms

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

### Module 4: High Availability

- Citrix ADC High Availability
- High Availability Configuration
- Managing High Availability
- Troubleshooting High Availability

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## Module 5: Load Balancing

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

## Module 6: SSL Offload

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

## Module 7: Securing the Citrix ADC

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

## Module 8: Troubleshooting

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

## Module 9: Classic Policies

- Policy Overview

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- Basics of Content Filtering

#### Module 10: Classic Policies

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

#### Module 11: Rewrite, Responder, and URL Transformation

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

#### Module 12: Content Switching

- Content Switching Overview
- Content Switching Configuration


#### Module 13: Optimization

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

#### Module 14: Global Server Load Balancing

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

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## Module 15: Clustering

- Citrix ADC Clustering Overview
- Citrix ADC Cluster Configuration

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