

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

### Overview

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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.

### Prerequisite Comments

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

### Target Audience

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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.

### Course Objectives

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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

### Course Outline

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## 1 - Module 1: Getting Started

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

## 2 - Module 2: Basic Networking

Networking Topology  
Citrix ADC Components  
Routing  
Access Control Lists

## 3 - Module 3: ADC Platforms

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

## 4 - Module 4: High Availability

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

## 5 - 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

## 6 - Module 6: SSL Offloading

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

**7 - Module 7: Security**

Authentication, Authorization, and Auditing  
Configuring External Authentication  
Admin Partitions

**8 - Module 8: Security**

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

**9 - Module 9: Advanced Policies**

Default Policy Overview  
Default Expression Syntax  
Policy Bindings  
AppExpert Additional Features

**10 - Module 10: Rewrite Responder URL Transformation**

Rewrite Policies  
Responder Policies  
DNS Rewrite and Responder  
URL Transformation

**11 - Module 11: Content Switching**

Content Switching Overview  
Content Switching Configuration

**12 - Module 12: Optimization**

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

**13 - Module 13: Global Server Load Balancing**

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

