

Citrix ADC 12.x Essentials and Traffic Management CNS-220

Course Summary

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 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.

Objectives

After taking this course, students will be able to:

- 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

Topics

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|---------------------------|--|
| • Getting Started | • Classic Policies |
| • Basic Networking | • Rewrite, Responder, and URL Transformation |
| • Citrix ADC Platforms | • Content Switching |
| • High Availability | • Optimization |
| • Load Balancing | • Global Server Load Balancing |
| • SSL Offload | • Clustering |
| • Securing the Citrix ADC | |
| • Troubleshooting | |
| • Classic Policies | |

Audience

This course is 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.

Duration

Five days

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Course Outline

I. Getting Started

- A. Introduction to Citrix ADC
- B. Feature and Platform Overview
- C. Deployment Options
- D. Architectural Overview
- E. Setup and Management

II. Basic Networking

- A. Networking Topology
- B. Citrix ADC Components
- C. Routing
- D. Access Control Lists

III. Citrix ADC Platforms

- A. Citrix MPX
- B. Citrix VPX
- C. Citrix CPX
- D. Citrix SDX

IV. High Availability

- A. Citrix ADC High Availability
- B. High Availability Configuration
- C. Managing High Availability
- D. Troubleshooting High Availability

V. Load Balancing

- A. Load Balancing Overview
- B. Load Balancing Methods and Monitors
- C. Load Balancing Traffic Types
- D. Load Balancing Protection
- E. Load Balancing Troubleshooting

VI. SSL Offload

- A. SSL Overview
- B. SSL Configuration
- C. SSL Offload
- D. Troubleshooting SSL Offload
- E. SSL Vulnerabilities and Protections

VII. Securing the Citrix ADC

- A. Authentication, Authorization, and Auditing
- B. Configuring External Authentication
- C. Admin Partitions

VIII. Troubleshooting

- A. Citrix ADC Logging
- B. Monitoring with SNMP
- C. Reporting and Diagnostics
- D. AppFlow Functions
- E. Citrix Application Delivery Management
- F. Troubleshooting

IX. Classic Policies

- A. Policy Overview
- B. Basics of Content Filtering

X. Classic Policies

- A. Default Policy Overview
- B. Default Expression Syntax
- C. Policy Bindings
- D. AppExpert Additional Features

XI. Rewrite, Responder, and URL Transformation

- A. Rewrite Policies
- B. Responder Policies
- C. DNS Rewrite and Responder
- D. URL Transformation

XII. Content Switching

- A. Content Switching Overview
- B. Content Switching Configuration

XIII. Optimization

- A. Citrix ADC Optimization Overview
- B. HTTP Compression
- C. Integrated Caching
- D. Front-End Optimization

XIV. Global Server Load Balancing

- A. GSLB Overview
- B. GSLB Architecture
- C. Content-Switching GSLB
- D. GSLB MEP and Monitoring
- E. Customizing GSLB

XV. Clustering

- A. Citrix ADC Clustering Overview
- B. Citrix ADC Cluster Configuration