

## Citrix ADC 12.x Advanced Concepts – Management and Optimization CNS-319

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### Course Summary

#### Description

Master the deployment and usage of Citrix Application Delivery Management with this two-day management and optimization course. You'll gain the skills needed to automate and manage network services for scale out of application architectures, and to optimize Citrix ADC-managed application delivery traffic. The curriculum focuses on centrally managing multiple Citrix ADC platforms, orchestrating configuration changes, reporting on transactions, visualizing infrastructure, and planning infrastructure expansion. You will also learn how to implement Citrix ADC features, including caching, frontend optimization, Citrix ADC web logging, and TCP/HTTP optimization, to optimize traffic managed by your Citrix networking environment.

#### Objectives

After taking this course, students will be able to:

- Manage multiple Citrix ADC platforms centrally
- Orchestrate configuration changes
- Report on transactions passing through the Citrix ADC environment
- Visualize infrastructure and plan expansion

#### Topics

- Citrix Application Delivery Management Introduction
- Managing and Monitoring Application Delivery Management
- Managing Citrix ADC Configuration
- Citrix ADC Web Logging
- Citrix ADC Integrated Caching
- Front-End Optimization
- Tuning and Optimizations

#### Audience

This course is designed for students with previous Citrix ADC experience, and best suited for individuals who will be deploying Citrix Application Delivery Management to administer a Citrix Networking environment or optimize Citrix ADC-managed application delivery traffic.

#### Prerequisites

Citrix recommends students prepare for this course by taking the following course/courses: CNS-225: Deploy and Manage Citrix ADC 13.x with Traffic Management or CNS-227: Deploy and Manage Citrix ADC 13.x with Citrix Gateway.

#### Duration

Two days

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### Course Outline

- I. Citrix Application Delivery**
  - A. Management Introduction
  - B. An introduction to Application Delivery Management
  - C. Application Delivery Management Deployment and Configuration
  - D. Deploying Application Delivery Management in High Availability
  - E. Application Delivery Management Instance Management
- II. Managing and Monitoring**
  - A. Application Delivery Management
  - B. Inventory Management
  - C. User Management
  - D. Analytics and Automation
  - E. SSL Certificate Management
- III. Managing Citrix ADC Configuration**
  - A. Application Management
  - B. StyleBooks
  - C. Configuration Management
- IV. Citrix ADC Web Logging**
  - A. Understanding Web Traffic
  - B. Installing and configuring Citrix ADC Web Logging
  - C. Troubleshooting Citrix ADC Web Logging
- V. Citrix ADC Integrated Caching**
  - A. Introduction to Integrated Caching
  - B. Static and Dynamic Content
  - C. Request and Response Process Flow
  - D. Understanding Cache Policies
  - E. Identifying Content Group Settings
- VI. Front-End Optimization**
  - A. Improving Content Delivery
  - B. Front-End Optimization Use Cases
  - C. Understanding Minification
  - D. CSS Optimizations
- VII. Tuning and Optimizations**
  - A. Connections on the Citrix ADC
  - B. Connection Profiles
  - C. Queuing on the Citrix ADC
  - D. Connection Tuning Practices