



**Enterprise Computing Solutions - Education Services**

## **TRAINING OFFERING**

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# Citrix (NetScaler) Networking Assessment, Design, and Advanced Configuration

**CODE:**

CTX-CNS-420

**LENGTH:**

40 Hours (5 days)

**PRICE:**

\$5,000.00

## Description

In this expert level 5-day training course you will be exposed to advanced networking and Citrix ADC concepts and configurations. Through lecture, lab exercises, and real-world case studies, you will learn to look critically at environment requirements, constraints, and business drivers to create a complex Citrix networking solution. Topics to be covered in this course include multi-site and multitenant deployments, advanced authentication and load balancing, and automation and orchestration and advanced troubleshooting. This training will also prepare you for the Citrix Certified Expert in Networking (CCE-N) exam.

## Objectives

**What you'll learn**

- How to identify and prioritize business drivers, constraints, and requirements using the Citrix Consulting methodology
- Assess environment requirements and learn to apply leading design principles to address them in a multi-site Citrix ADC deployment
- Apply advanced authentication and load balancing principles

## Audience

**Is this course for me?**

Built for IT Professionals with extensive networking and Citrix ADC experience. This course is built for IT Professionals who are responsible for defining the overall structure or architecture of a Citrix networking environment. This course encompasses advanced Citrix networking configurations and leading Citrix design principles.

## Prerequisites

**Prereq. knowledge**

This course assumes that the student has significant networking and Citrix Networking experience. Citrix recommends a comprehensive understanding of basic and intermediate Citrix ADC features and functionalities. Proficiency in the topics covered in CNS-220; CNS-222; and CNS-320 is strongly recommended.

## Programme

**Module 1: Networking Methodology and Assessment**

- Understanding the Citrix methodology
- Business Drivers and Requirements
- User Segmentation
- Application Assessment
- Capabilities Assessment

**Module 3: Advanced Authentication and Authorization**

- Authorization Policies
- Access Policies
- Advanced Authentication Options
- Multi-Factor Authentication
- nFactor Authentication
- AAA Session Management

**Module 2: Citrix Networking Deployment Architecture and Topology**

- Multi-Site Deployments
- Multi Tenant Infrastructure
- Cloud Deployments
- High Availability
- Citrix ADC Double-Hop Scenarios
- Secure Web Gateway

**Module 4: Citrix ADC Security**

- Authorization
- Pre-authentication and Endpoint Analysis Scans
- Protection against Layer 4-7 Attacks
- Web App Firewall

## **Module 6: Advanced Load Distribution and Link Load balancing**

- Advanced Load Balancing
- Advanced Load Balancing
- Link Load Balancing
- Firewall Load Balancing
- Microsoft Exchange Load Balancing
- Advanced Global Server Load Balancing
- Global Server Load Balancing Persistence
- DNS, Policies, Expressions, Actions, and Views
- GSLB Monitoring and Considerations

## **Module 5: Citrix Gateway Configuration Considerations**

- ICA Proxy Configuration
- VPN Access
- Clientless Access
- Split Tunneling
- RDP Proxy Deployment and Configuration

## **Module 7: Application Delivery Management Automation and Orchestration**

- Application Delivery Management Outbound Traffic Dashboard
- Automation
- Orchestration
- Configuration Jobs
- Configuration Audit
- NITRO API
- StyleBooks (Net-new)

## **Session Dates**

On request. Please [Contact Us](#)

## **Additional Information**

[This training is also available as onsite training. Please contact us to find out more.](#)