

# Citrix Networking Assessment, Design, and Advanced Configuration

Duration: 5 Days

## 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.

## PARTICIPANTS

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

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.

## OBJECTIVES

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

## PROGRAMME

Module 1: Networking Methodology and Assessment

- Understanding the Citrix methodology

- Business Drivers and Requirements
- User Segmentation
- Application Assessment
- Capabilities Assessment

#### 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 3: Advanced Authentication and Authorization

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

#### Module 4: Citrix ADC Security Authorization

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

#### Module 5: Citrix Gateway Configuration Considerations

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

#### 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 7: Application Delivery Management

- Automation and Orchestration
- Application Delivery Management Outbound

- Traffic Dashboard
- Automation
- Orchestration
- Configuration Jobs
- Configuration Audit
- NITRO API
- StyleBooks (Net-new)