

# NetScaler Gateway 14.x Administration for Citrix Environments

Course code: NSGW-203

Built for IT Professionals working with NetScaler ADC, with little to no previous NetScaler ADC experience.

## Who is the course for

Potential students include administrators, engineers, and architects interested in learning how to implement and manage NetScaler ADC features using leading practices.

## What we teach you

Understand the functionalities and capabilities of NetScaler ADC

How to obtain, install, and manage NetScaler ADC licenses

Comprehend basic NetScaler ADC network architecture

Understand how SSL is used to secure NetScaler ADC

Optimize the ADC system for traffic handling and management

Product Versions Covered: NetScaler VPX v14.1 and NetScaler Console v14.1

## Required skills

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

This course prepares for the certification "Citrix Certified Associate - App Delivery and Security" (CCA-AppDS).

## Course outline

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

### Module 2: Basic Networking

- Networking Topology
- NetScaler ADC Components
- Routing
- Access Control Lists

### Module 3: High Availability

- NetScaler ADC High Availability
- High Availability Configuration
- Managing High Availability
- In Service Software Upgrade
- Troubleshooting High Availability

### Module 4: Load Balancing

- Load Balancing Overview
- Load Balancing Methods and Monitors
- Load Balancing Traffic Types
- Load Balancing Protection
- Priority Load Balancing
- Load Balancing Troubleshooting

### Module 5: SSL Offloading

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

## Module 6: Securing System Traffic

- Authentication, Authorization, and Auditing
- Configuring External Authentication
- Admin Partitions

## Module 7: Monitoring & Troubleshooting

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

## Module 8: NetScaler Gateway

- Introduction to NetScaler Gateway
- Advantages and Utilities of NetScaler Gateway
- NetScaler Gateway Configuration
- Common Deployments

## Module 9: AppExpert Expressions

- Introduction to AppExpert Policies
- Default Policies
- Explore NetScaler Gateway Policies
- Policy Bind Points
- Using AppExpert with NetScaler Gateway

## Module 10: Authentication, Authorization & Secure Web Gateway

- Authentication and Authorization
- Multi-Factor Authentication
- nFactor Visualizer
- SAML authentication

## Module 11: Manage Client Connections

- Session Policies and Profiles
- Pre and Post Authentication Policies
- NetScaler Gateway Deployment Options
- Managing User Sessions

## Module 12 Integration with CVAD

- NetScaler Gateway Integration
- NetScaler Gateway WebFront
- ICA Proxy
- Clientless Access and Workspace App
- Access Fallback
- SmartControl and SmartAccess for ICA

## Module 13: Configuring NetScaler Gateway

- Working with Apps on NetScaler Gateway
- RDP Proxy

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- Portal Themes and EU

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