

NSGW-203: NetScaler Gateway 14.x Administration

Course Duration: 40 Hrs.

Course Code: NSGW-203

Course Overview

The NSGW-203 course, "NetScaler Gateway 14.x Administration for Citrix Environments," is a 5-day course designed for IT professionals with little to no prior NetScaler experience, focusing on implementing and managing NetScaler ADC features, including secure load balancing, high availability, and Citrix Gateway for remote access and VPN deployments.

What you'll learn?

- ❖ **NetScaler ADC Essentials:** Covers secure load balancing, high availability, and operations management.
- ❖ **Citrix Gateway:** Focuses on implementing and configuring a NetScaler Gateway environment for remote access, VPN deployments, and Citrix Virtual Apps and Desktops.
- ❖ **Leading Practices:** Emphasizes implementing and managing NetScaler ADC using industry best practices.

Target Audience

IT professionals, administrators, engineers, and architects are interested in NetScaler ADC and Citrix environments.

Pre-Requisites

While minimal experience with NetScaler ADC is expected, Citrix recommends a basic understanding of TCP/IP, HTTP, the OSI model, network devices, and networking protocols.

Course Content

Module 1: Getting Started

- 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

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

Module 6: Securing System Traffic

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

Module 7: Monitoring and 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, Authorisation, and Secure Web Gateway

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

Module 11: Managing 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
- Smart Control and Smart Access for ICA

Module 13: Configuring NetScaler Gateway

- Working with Apps on NetScaler Gateway
- RDP Proxy

