

## **NSGW-253: NetScaler Gateway 14.x Deployment for Citrix Environments**

**Course Duration: 16 Hrs.**

**Course Code: NSGW-253**

### **Course Overview**

The NetScaler Gateway 14.x Deployment for Citrix Environments (NSGW-253) course is a 2-day training program designed for IT professionals working with NetScaler ADC, focusing on deploying and configuring NetScaler Gateway environments.

### **What you'll learn?**

- ❖ Configure Authentication, Authorization, and Auditing
- ❖ Integrate NetScaler Gateway with Citrix Virtual Apps, Citrix Virtual Desktops and other Citrix components
- ❖ Define End User Access and Experience
- ❖ Employ recommended tools and techniques to troubleshoot common NetScaler Gateway network and connectivity issues

### **Target Audience**

The target audience for NetScaler Gateway 14.x Deployment for Citrix Environments courses and resources are IT professionals, including administrators, engineers, and architects, who work with Citrix networking solutions, particularly those involved in configuring and managing NetScaler Gateway environments.

### **Pre-Requisites**

Knowledge of NetScaler ADC architecture, setup, and management is recommended as well as a basic understanding of TCP/IP, HTTP, OSI model, network devices, and networking protocols. Course NS-201 (NetScaler ADC 14.x Administration) is highly recommended prior to attending this course

## Course Content

### **Module 1: Introduction to WAF**

- The Business Problem
- Industry Standards
- Protection Methodologies
- Introducing NetScaler Web App Firewall

### **Module 2: WAF Profiles, Policies, Monitoring**

- NetScaler Web App Firewall Policies, Profiles, and Learning
- Logging and Reporting
- Customizing Errors
- Signatures and Comment Stripping

### **Module 3: Implementing Protections**

- Security Checks and Data Flow
- URL Protections
- Top-Level Protections
- Advanced Form Protection Checks
- Rules and Adaptive Learning
- Credit Card Check
- Safe Object

### **Module 4: Advanced Security Features**

- Bot Protection
- API Protection
- Responder Logging
- Content Inspection

## **Module 5: Security and Filtering**

- IP Reputation
- HTTP Callout
- IP Rate Limiting
- Application Quality of Experience (AppQoE)

## **Module 6: Introduction to AAA and nFactor Overview**

- Authentication, Authorization, and Auditing
- Intro to nFactor
- Policy Label
- Login Schemas
- Authentication Policy and Action
- Supported Protocol

## **Module 7: nFactor Use Cases**

- Single Sign-On Overview
- Traffic Policies
- Security Assertion Markup Language (SAML)
- Certificate Authentication
- OAuth

## **Module 8: AAA Customizations**

- Portal Theme Customizations
- End User License Agreement (EULA)
- Custom Error Messages

## **Module 9: Intro to NetScaler Console**

- Introducing NetScaler Console
- NetScaler Console Service
- Getting Started with NetScaler Console
- Initial Configuration
- Instance Management

## **Module 10: Managing and Monitoring NetScaler Console**

- User Management
- Instance Management
- Event Management
- SSL Certificate Management
- Unified Security Dashboard
- Insights

## **Module 11: Managing Apps and Configs using NetScaler Console**

- Stylebooks
- Config Management
- Configuration Audit
- Actionable Tasks & Recommendations

## **Module 12: Tuning and Performance Optimizations**

- Connection Profiles
- SSL Profiles
- Net Profiles
- SSL Certificate Management
- RPC Nodes