

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

**Duration: 2 Days**

**Course Description:**

This 2-day course is designed for IT Professionals working with NetScaler ADC, with little to no previous NetScaler experience. Potential students will acquire the skills required to configure and manage the Citrix NetScaler Gateway features by implementing and configuring a NetScaler Gateway environment to address remote access requirements for VPN deployments as well as the Citrix Virtual Apps and Desktops environment.

**Target Audience:**

- System Administrators
- Network Engineers
- IT Managers
- Citrix Administrators
- Cloud Architects
- Technical Support Engineers
- Security Analysts
- DevOps Engineers
- Solutions Architects
- IT Consultants
- Infrastructure Engineers
- Application Delivery Controllers (ADC) Specialists
- Virtualization Specialists
- Help Desk Technicians

**Prerequisites:**

To ensure a successful learning experience in the NSGW-253 course, it's recommended that participants have the following minimum prerequisites:

- Basic understanding of networking concepts, including TCP/IP, DNS, and HTTP/S protocols.
- Familiarity with Citrix Virtual Apps and Desktops concepts and architecture.
- Basic knowledge of Windows Server administration and configuration.
- Experience with command-line interface (CLI) operations.

**Course Objectives:**

- Understand the architecture and deployment options of NetScaler Gateway.
- Configure secure remote access for Citrix environments.
- Implement authentication methods and policies in NetScaler Gateway.
- Set up load balancing for optimal application performance and availability.

- Troubleshoot common issues related to NetScaler Gateway deployments.
- Integrate NetScaler Gateway with Citrix Virtual Apps and Desktops.
- Configure monitoring and logging for endpoint connections.
- Learn best practices for securing NetScaler Gateway deployment.
- Explore advanced configurations such as VPN and multi-factor authentication.
- Gain hands-on experience with lab exercises and real-world scenarios.

**Course Outlines:**

**Module 1: NetScaler Gateway**

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

**Module 2: AppExpert Expressions**

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

**Module 3: Authentication, Authorization & Secure Web Gateway**

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

**Module 4: Manage Client Connections**

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

**Module 5: Integration with CVAD**

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

**Module 6: Configuring NetScaler Gateway**

- Working with Apps on NetScaler Gateway
- RDP Proxy
- Portal Themes and EU

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