

NSGW-203: NetScaler Gateway 14.x Administration for Citrix Environments

Duration: 5 Days

Course Description:

The NSGW-203: NetScaler Gateway 14.x Administration for Citrix Environments course is designed to equip IT professionals with the essential skills needed to effectively manage and configure NetScaler Gateway in Citrix environments. Participants will explore key topics such as authentication, session management, and security protocols, enhancing their ability to optimize performance and user experience. Learning objectives include mastering the configuration of secure access, understanding how to troubleshoot issues, and implementing best practices for monitoring and reporting. By the end of the course, learners will be able to apply these concepts in real-world scenarios, ensuring robust and secure Citrix deployments. This course is vital for anyone looking to advance their expertise in Citrix administration.

Target Audience:

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

Prerequisites:

- Basic understanding of networking concepts and protocols (such as TCP/IP).
- Familiarity with Citrix Virtual Apps and Desktops architecture and components.
- Understanding of firewall configurations and concepts.
- Basic knowledge of web-based applications and browser functionality.
- Experience with basic Windows or Linux operating systems.

This foundational knowledge will help ensure you are well-prepared to dive into the course content and engage in the learning process effectively.

Course Objectives:

- Understand the architecture and components of NetScaler Gateway.
- Configure NetScaler Gateway to provide secure access to applications.
- Implement authentication and authorization strategies for users.
- Utilize load balancing techniques for optimized application delivery.
- Configure SSL for secure communications.
- Monitor and troubleshoot NetScaler Gateway environments.
- Implement policies for traffic management and application security.
- Understand integration with Citrix Virtual Apps and Desktop.
- Configure advanced features like ICA proxy and universal subscriber.
- Prepare for scaling NetScaler Gateway for enterprise environments.

Course Outlines:

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, 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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training@trends.com.ph
 (+632) 8863-2123
 www.trendscademy.com.ph

COURSE OUTLINE

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training@trends.com.ph
(+632) 8863-2123
www.trendsacademy.com.ph