Training: Citrix

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

TRAINING GOALS:

This 5-day course is designed for IT Professionals working with NetScaler ADC, with little to no previous NetScaler experience. Potential students include administrators, engineers, and architects interested in identifying, implementing and managing a NetScaler ADC using leading practices as well as 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.

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

Learning Objectives

- 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
- Configure Authentication, Authorization, and Auditing
- Deploy and configure the Citrix Unified Gateway
- Configure Authentication, Authorization, and Auditing
- Integrate NetScaler Gateway with Citrix Virtual Apps and Desktops and other Citrix components
- Define End User Access and Experience
- Work with applications on the Citrix Gateway
- Customize Citrix Gateway

Target Audience

Potential students include administrators, engineers, and architects interested in identifying, implementing and managing a NetScaler ADC using leading practices as well as implementing and configuring a NetScaler Gateway environment.

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CONSPECT:

- 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

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- 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

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

REQUIREMENTS:

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.

Difficulty level



CERTIFICATE:

The participants will obtain certificates signed by Citrix (course completion).

TRAINER:

Certified Citrix Instructor

ADDITIONAL INFORMATION:

Recommended Training:

NS-301 NetScaler ADC 14.x Advanced Features

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