Training: Citrix
NS-201 NetScaler ADC 14.x Administration

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 advanced policies to control traffic flow through the NetScaler ADC.

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 network architecture
- Understand how SSL is used to secure NetScaler ADC
- Optimize the NetScaler system for traffic handling and management
- Understand the basic elements of the AppExpert Policy Engine and identify its use cases.
- Understand how to use the features of Rewrite and Responder on the NetScaler ADC.
- Understand the benefits of Content Switching and how to deploy the feature with load balancing.
- Explore various features of NetScaler to improve the client-server experience and responsiveness.
- Understand Global Server Load Balancing and how to use it for site-level redundancy.

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 advanced policies to control traffic flow through the NetScaler ADC.

CONSPECT:

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- Module 1: Getting Started
  - Introduction to Citrix ADC
  - Feature and Platform Overview
  - Deployment Options
  - Architectural Overview
  - Setup and Management
- Module 2: Basic Networking
  - Networking Topology
  - Citrix ADC Components
  - Routing
  - Access Control Lists
- Module 3: High Availability
  - Citrix 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
  - Citrix ADC Logging

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- Monitoring with SNMP
- Reporting and Diagnostics
- AppFlow Functions
- Citrix Application Delivery Management
- Troubleshooting

- Module 8: Intro to Policies and Responder Policies
  - Default Policy Overview
  - Default Expression Syntax
  - Policy Bindings
  - AppExpert Additional Features
  - Responder Policies
- Module 9: Rewrite & URL Transform
  - Rewrite Policies
  - DNS Rewrite
  - URL Transformation
- Module 10: Advanced Policy Expressions
  - Advanced/Default Policy Engine.
  - Intro to Content Switching.
  - Content Switching Policies
  - Content Switching protection features
- Module 11: Optimization
  - Citrix ADC Optimization Overview
  - HTTP Compression
  - Integrated Caching
  - Front-End Optimization
- Module 12: Global Server Load Balancing
  - GSLB Overview
  - GSLB Architecture
  - Content-Switching GSLB
  - GSLB MEP and Monitoring
  - Customizing GSLB

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.

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Difficulty level



CERTIFICATE:

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

TRAINER:

Certified Citrix Instructor

ADDITIONAL INFORMATION:

Recommended Training:

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

NS-301 NetScaler ADC 14.x Advanced Features

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