

5 Days

Citrix NetScaler 11.0 Essentials and Networking

Citrix NetScaler 11.0 Essentials and Networking is a 5 days' course to provide you with the foundational knowledge and skills that are necessary to implement, configure, secure, monitor, optimize, and troubleshoot a Citrix NetScaler system within a networking framework. It is designed for students who have limited or no previous NetScaler experience.

Objectives:

You should be able to meet the following objectives after the completion of the course:

- Configure advanced load balancing and GSLB on the NetScaler system.
- Demonstrate monitoring and reporting through native NetScaler logging tools.
- Explain basic NetScaler network architecture.
- Explain how SSL is used to secure the NetScaler.
- Implement NetScaler TriScale technology, including clustering.
- Obtain, install, and manage NetScaler licenses.

Course Details

Course Outline

1. Getting Started

- Logging in to the NetScaler System
- NetScaler Functionality
- NetScaler Licenses
- NetScaler Operating System Overview

2. Basic Networking

- Client-IP HTTP Header Insertion
- NetScaler Network Interfaces
- NetScaler-Owned IP Addresses
- Network Topology

3. High Availability

- High Availability Management
- Propagation and Synchronization
- Securing NetScaler

4. NetScaler System Communication

- Access Control List Configuration
- Authentication, Authorization, and Auditing (AAA) Issues
- External Authentication for System Users
- Users, Groups, and Command Policies

5. Basic Load Balancing

- Advanced Services Options
- Entity Management
- Load Balancing Basics
- Removing Services

6. SSL Offload

- Feature and Benefits
- Intermediate Certificate Not Linked
- Offload Performance
- SSL Troubleshooting

7. Global Server Load Balancing

- GSLB DNS Methods
- Monitoring GSLB Services
- Monitoring GSLB Sites
- Viewing and Configuring GSLB with the Visualizer

8. AppExpert Classic Policy Engine

- Content Filtering
- Content Filtering Rules
- Expression Structures
- Policies Overview

9. AppExpert Default Policy Engine

- Rewrite, Responder, and URL Transformation
- Understanding Bind Points
- Understanding Policies
- Understanding Policy Labels

10. Rewrite, Responder, and URL Transform

- Binding of URL Transformations
- Binding Policies
- Responder HTML Page Imports
- URL Transformation Actions

11. Content Switching

- Binding Content-Switching Policies
- Configuring Content-Switching Virtual Servers
- Content-Switching Policies
- Understanding Content Switching

12. Optimizing Traffic

- AppExpert Templates
- Application Example
- Deploying NetScaler for an Application
- Introduction to Compression

13. Clustering

- Cluster Synchronization
- NetScaler Cluster Set up
- NetScaler Cluster Traffic Distribution Mechanisms
- Traffic Distribution

14. Monitoring and Management

- AppFlow Actions and EdgeSight Monitoring Responder Policies
- Display NetScaler System Information
- Simple Network Management Protocol
- Troubleshooting with Filter Expressions

15. Addendum: Citrix NetScaler 10.1 Essentials for SDX Appliances

- Identify the networking characteristics of the NetScaler SDX platform
- Identify the unique capabilities and functionality of the NetScaler SDX platform

Who Should Attend

- Network Administrators/Engineers
- Citrix Administrators
- Operations Engineers
- Systems Administrators/Engineers
- Cloud Administrators/Engineers

Pre Requisite

The students should have knowledge of the following, before attending this course:

- DNS, SSL and compression concepts
- Network security threats and site protection concepts (e.g. DDoS attack, firewall)
- Server load balancing and content switching concepts
- TCP/IP, HTTP protocols and the OSI model
- Web server software (e.g. Apache, IIS)
- Windows and Linux Server administration

Exams

[CNS-205]

Date - May 28, 2025