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Learning Style: Virtual Classroom

Technology: Citrix

Difficulty: Intermediate

Course Duration: 5 Days

NetScaler ADC 14.x Advanced Features (Security and Management)



About this Course:

You will leave this course with the skills required to deploy and manage NetScaler Web Application Firewall including types of web attacks, protections and signatures, the Adaptive learning engine, App Firewall policies and profiles, troubleshooting,

and additional pertinent NetScaler security Features. You will be able to deploy AAA for Application Traffic with nFactor and understand concepts related to Login Schemas, Policy Labels, and customizations. You will also be able to deploy the NetScaler Console to manage a NetScaler environment.

Course Objectives:

- Understand the architecture and communication flows for Citrix Virtual Apps and Desktops 2402 LTSR on-premises.
- Install, configure, and manage Citrix Virtual Apps and Desktops environment.
- Create Citrix Virtual Apps and Desktops workloads.
- Deliver app and desktop resources to users.
- Prepares learner for Citrix Certified Associate - Virtualization (CCA-V) exam

Audience:

Experienced IT professionals who will be deploying and/or managing Application Firewall, AAA for Application Traffic, and NetScaler Console (ADM) in their NetScaler environments.

Prerequisites:

Strong foundational knowledge of NetScaler ADC administration and traffic management.

Course Outline:

Module 1: Introduction to WAF

- The Business Problem
- Industry Standards
- Protection Methodologies
- Introducing NetScaler Web App Firewall

Module 2: WAF Profiles, Policies, Monitoring

- NetScaler Web App Firewall Policies, Profiles, and Learning
- Logging and Reporting
- Customizing Errors
- Signatures and Comment Stripping

Module 3: Implementing Protections

- Security Checks and Data Flow
- URL Protections
- Top-Level Protections
- Advanced Form Protection Checks
- Rules and Adaptive Learning

Credit Card Check
Safe Object

Module 4: Advanced Security Features

Bot Protection
API Protection
Responder Logging
Content Inspection

Module 5: Security and Filtering

IP Reputation
HTTP Callout
IP Rate Limiting
Application Quality of Experience (AppQoE)

Module 6: Introduction to AAA and nFactor Overview

Authentication, Authorization, and Auditing
Intro to nFactor
Policy Label
Login Schemas
Authentication Policy and Action
Supported Protocols

Module 7: nFactor Use Cases

Single Sign-On Overview
Traffic Policies
Security Assertion Markup Language (SAML)
Certificate Authentication
OAuth

Module 8: AAA Customizations

Portal Theme Customizations
End User License Agreement (EULA)
Custom Error Messages

Module 9: Intro to NetScaler Console

Introducing NetScaler Console
NetScaler Console Service
Getting Started with NetScaler Console
Initial Configuration
Instance Management

Module 10: Managing and Monitoring NetScaler Console

- User Management
- Instance Management
- Event Management
- SSL Certificate Management
- Unified Security Dashboard
- Insights

Module 11: Managing Apps and Configs using NetScaler Console

- Stylebooks
- Config Management
- Configuration Audit
- Actionable Tasks & Recommendations

Module 12: Tuning and Performance Optimizations

- Connection Profiles
- SSL Profiles
- Net Profiles
- SSL Certificate Management
- RPC Nodes