Citrix ADC 12.x Advanced Concepts - Security, Management and Optimization

Description

This course is designed for students with previous experience NetScaler experience, and best suited for individuals who will be deploying and/or managing Citrix NetScaler Application Firewall (AppFirewall) to secure application access in a Citrix NetScaler environment, as well as NetScaler Management and Analytics System (MAS) to administer a Citrix NetScaler environment or optimize NetScaler-managed application delivery traffic.

Students will learn the skills required to deploy and manage AppFirewall including types of web attacks, protections and signatures, the adaptive learning engine, AppFirewall policies and profiles, troubleshooting, and additional pertinent NetScaler security features.

Students will learn the skills required for deploying and utilizing the NetScaler Management and Analytics System including the ability to manage multiple NetScaler platforms centrally, orchestrate configuration changes, report on transactions passing through the NetScaler environment, visualize infrastructure, and plan expansions. Students will also learn how to implement features including Caching, Frontend Optimization, NetScaler Web logging, and TCP/HTTP optimization to optimize traffic managed by a NetScaler environment.

Participants

Students interested in learning the skills required to deploy and manage AppFirewall to secure application access in their Citrix NetScaler environment, as well as NetScaler MAS to administer a Citrix NetScaler environment, or optimize NetScaler-managed application delivery traffic. Specifically:

•Administrators
•Implementers /Engineers
•Architects

Prerequisites

Citrix recommends students prepare for this course by taking the following courses:

•CNS-102 NetScaler Overview

AND

•CNS-220 Citrix NetScaler Essentials and Traffic Management

OR

•CNS-222 Citrix NetScaler Essentials and Unified Gateway

Citrix also recommends an understanding of the following concepts and technologies:
•Functionalities and capabilities of Citrix NetScaler

•Basic NetScaler network architecture
•Obtaining, installing, and managing NetScaler licenses

Objectives

Upon successful completion of this course, students will be able to:
•Identify common web attacks and vulnerabilities
•Write PERL compatible regular expressions
•Understand how to utilize the adaptive learning engine
•Configure AppFirewall to protect web applications
•Utilize NetScaler Secure Insight to Monitor, Manage and report on Application Services security
•Troubleshoot AppFirewall
•Manage multiple NetScaler platforms centrally
•Orchestrate configuration changes
•Report on transactions passing through the NetScaler environment
•Visualize infrastructure and plan expansion

Programme

At the end of the course, students will be able to configure NetScaler environments to address application services security requirements with AppFirewall, as well as automate and manage network services for scale-out application architectures with Citrix NetScaler Management and Analytics System and optimize NetScaler managed application delivery traffic.