Citrix (NetScaler) ADC Advanced Concepts – Secure Web Applications (CNS-318)

COURSE OVERVIEW:

Citrix Web App Firewall protects web apps and sites from known and unknown attacks. This threeday course will teach you how to address application services security requirements with Web App Firewall. After studying Citrix Web App Firewall, you'll learn about many different types of web attacks and vulnerabilities, such as SQL injection and cookie tampering, and how to protect against them. The course also covers policies, profiles and expressions; monitoring, management and reporting; and troubleshooting techniques. Highlighted features include the Adaptive Learning Engine and Secure Insight. This advanced course is designed for IT professionals with previous Citrix Networking experience.

WHO WILL BENEFIT FROM THIS COURSE?

Designed for students with previous Citrix Networking experience, this course is best suited for individuals who will be deploying and/or managing Citrix Web App Firewall in Citrix Networking environments.

PREREQUISITES:

Citrix recommends students prepare for this course by taking the following course/courses: CNS-220 Citrix ADC 12.x Essentials and Traffic Management, or CNS-222 Citrix ADC 12.x Essentials and Citrix Gateway.

COURSE OBJECTIVES:

What you'll learn:

- Identify common web attacks and vulnerabilities
- Understand PERL compatible regular expressions
- Understand how to operate the adaptive learning engine
- Configure Citrix Web App Firewall to protect web applications
- Utilize Citrix ADC Secure Insight to monitor, manage, and report on Application Services security
- Troubleshoot Citrix Web App Firewall

COURSE OUTLINE:

Module 1: Citrix Web App Firewall Overview

- Web App Firewall Security Model
- Common Attacks Overview
- PCI-DSS Compliance

Module 2: Web App Firewall

- Profiles
- Policies
- Engine Settings
- AppFirewall Learning

Module 3: Regular Expressions
- Forms of Regular Expressions
- Using Regular Expressions
- Meta/Literal Characters
- PCRE
- RegEx Tools
- Regular Expression Scope

Module 4: Attacks and Protections
- Data Flow with AppFirewall
- Security Checks
- Web App Firewall
- Adaptive Learning
- Signatures
- Cookie Protection
- Advanced Form Protection Checks
- URL Protections

Module 5: Web App Firewall Monitoring and Troubleshooting
- Web App Firewall and Web Applications
- Logging and Reporting
- Customizing Errors
- Troubleshooting
- Citrix Security Insight

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