

CNS-320: Citrix NetScaler Security, Management and Optimization

Course Details

Course Outline

1. Application Firewall Overview

- AppFirewall solution Security Model (include signature)
- Overview of types of attacks
- PCIDSS
- Adaptive Learning Engine
- Packet Processing and Inspection
- Log Files - view violations
- Advanced Troubleshooting
- Troubleshooting Resources

2. Profiles and Policies

- Profiles
- Policies
- Engine Settings

3. Regular Expressions

- Forms of Regular Expressions
- Using Regular Expressions
- Metacharacters and Literal Characters
- Escapes
- Quantifiers
- Back Referencing
- Lookaheads
- Regular Expression Scope

4. Attacks and Protections

- Data Flow with AppFirewall
- Security Checks
- AppFirewall Actions
- Adaptive Learning
- Signatures
- Code Quality (HTML Comment Striping)

- Buffer Overflow
- SQL injection
- Cross-Site Scripting
- Cookie Tampering
- Cookie Protection
- Parameter Tampering
- Server Misconfiguration
- Form Protections
- Identity Theft - CC - Safe Object
- URL Protections - Start URL and Deny URL
- CSRF

5. Application Firewall Troubleshooting

- Security Insight
- HTTP Callout
- Rate-Limit
- AppQOE
- IP Reputation

6. Introduction

- NetScaler MAS Introduction and Configuration
- Using NetScaler MAS to Manage and Monitor NetScalers
- Using NetScaler MAS to Manage NetScaler configurations

7. MAS analytics

8. Optimization

9. Caching

10. Frontend Optimization

11. TCP/HTTP optimization

12. NetScaler Web Logging