

CNS-320 Citrix ADC 12.x Advanced Concepts - Security, Management and Optimization

Prehľad

Learn how to configure your Citrix networking environment to address application services security requirements with Citrix Web App Firewall; automate and manage network services for scale-out of application architectures with Citrix Application Delivery Management; and optimize Citrix ADC-managed application delivery traffic. This course for experienced Citrix networking architects, engineers and administrators will teach students to deploy and manage Web App Firewall to protect web applications against different types of attacks. It will also give students a practical understanding of Citrix Application Delivery Management capabilities for centralized management of multiple Citrix ADC platforms, orchestration of changes, transaction reporting, infrastructure visualization and planning. This course includes a voucher to take the related exam (1Y0-340: Citrix ADC 12.x Advanced Topics: Security, Management, and Optimization) and earn your Citrix Certified Professional - Networking (CCP-N) certification.

Vzdelávacie ciele

- Identify common web attacks and vulnerabilities
- Write PERL compatible regular expressions
- Understand how to operate the adaptive learning engine
- Configure Citrix Web App Firewall to protect web applications
- Utilize ADC 12.x Secure Insight to monitor, manage, and report on Application Services security

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

Citrix Web App Firewall Overview

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

Citrix Web App Firewall Policies and Profiles

- Profiles
- Policies
- Engine Settings
- Citrix Web App Firewall Learning

Policies and Profiles

- Profiles
- Policies
- Engine Settings

[Online registrácia](#)

Termíny

Trvanie kurzu (v dňoch): 5 Days

G2R = "Garantovaný termín" | OLL = "Online LIVE"
ILT = "Kurz vedený inštruktorom"

06/08/20	3:00PM - 11:00PM	Bratislava, Slovakia	OLL	€ 0.00
10/19/20	3:00PM - 11:00PM	Bratislava, Slovakia	OLL	€ 0.00

Regular Expressions

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

Regular Expressions

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

Attacks and Protections

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

Attacks and Protections

- Data Flow with Citrix Web App Firewall
- Security Checks
- Web App Firewall Actions
- Adaptive Learning
- Signatures
- Cookie Protection
- Advanced Form Protection Checks
- URL Protections

Web App Firewall Monitoring and Troubleshooting

Citrix Web App Firewall and Web Applications
Logging and Reporting
Customizing Errors
Troubleshooting
ADC 12.x Security Insight

Application Firewall Troubleshooting and Monitoring

Security Insight
HTTP Callout
Rate-Limit
AppQOE
IP Reputation

Introduction

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

Security and Filtering

IP Reputation
Rate Limiting
AppQoE
HTTP Callout

Application Delivery Management Introduction

An introduction to Application Delivery Management
Application Delivery Management Deployment and Configuration
Deploying Citrix Application Delivery Management in High Availability
Citrix Application Delivery Management Instance Management

MAS analytics

Managing and Monitoring Application Delivery Management

Inventory Management
User Management
Analytics and Automation
SSL Certificate Management

Optimization

Caching
Frontend Optimization
TCP/HTTP optimization

Managing Citrix ADC Configuration

Application Management
StyleBooks
Configuration Management

NetScaler Web Logging

Citrix ADC Web Logging

Understanding Web Traffic
Installing and configuring ADC 12.x Web Logging
Troubleshooting ADC 12.x Web Logging

ADC 12.x Integrated Caching

Introduction to Integrated Caching
Static and Dynamic Content
Request and Response Process Flow
Understanding Cache Policies
Identifying Content Group Settings

Citrix Web App Firewall Overview

Improving Content Delivery
Front-End Optimization Use Cases
Understanding Minification
CSS Optimizations

Citrix Web App Firewall Policies and Profiles

Connections on the Citrix ADC
Connection Profiles
Queuing on the Citrix ADC
Connection Tuning Practices
