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

Description

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 five- day course for experienced Citrix networking architects, engineers and administrators will teach you to deploy and manage Web App Firewall to protect web applications against different types of attacks.

It will also give you 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.

Niveau
Avancé
Course Content
Module 1: Citrix Web App Firewall Overview

- Lesson 1: Web App Firewall solution Security Model
- Lesson 2: Common Attacks Overview
- Lesson 3: PCI-DSS Compliance

Module 2: Citrix Web App Firewall Policies and Profiles

- Lesson 1: Profiles
- Lesson 2: Policies
- Lesson 3: Engine Settings
- Lesson 4: Citrix Web App Firewall Learning

Module 3: Regular Expressions

- Lesson 1: Forms of Regular Expressions
- Lesson 2: Using Regular Expressions
- Lesson 3: Meta/Literal Characters
- Lesson 4: PCRE
- Lesson 5: RegEx Tools
- Lesson 6: Regular Expression Scope

Module 4: Attacks and Protections

- Lesson 1: Data Flow with Citrix Web App Firewall
- Lesson 2: Security Checks
- Lesson 3: Web App Firewall Actions
- Lesson 4: Adaptive Learning
- Lesson 5: Signatures
- Lesson 6: Cookie Protection

- Lesson 7: Advanced Form Protection Checks
- Lesson 8: URL Protections

Module 5: Web App Firewall Monitoring and Troubleshooting

- Lesson 1: Citrix Web App Firewall and Web Applications
- Lesson 2: Logging and Reporting
- Lesson 3: Customizing Errors
- Lesson 4: Troubleshooting
- Lesson 5: ADC 12.x Security Insight

Module 6: Security and Filtering

- Lesson 1: IP Reputation
- Lesson 2: Rate Limiting
- Lesson 3: AppQoE
- Lesson 4: HTTP Callout

Module 7: Application Delivery Management Introduction

- Lesson 1: An introduction to Application Delivery Management
- Lesson 2: Application Delivery Management Deployment and Configuration
- Lesson 3: Deploying Citrix Application Delivery Management
- Lesson 4: in High Availability
- Lesson 5: Citrix Application Delivery Management Instance Management

Module 8: Managing and Monitoring Application Delivery Management

- Lesson 1: Inventory Management
- Lesson 2: User Management
- Lesson 3: Analytics and Automation
- Lesson 4: SSL Certificate Management

Module 9: Managing Citrix ADC Configuration

- Lesson 1: Application Management
- Lesson 2: StyleBooks
- Lesson 3: Configuration Management

Module 10: Citrix ADC Web Logging

- Lesson 1: Understanding Web Traffic
- Lesson 2: Installing and configuring ADC 12.x Web Logging
- Lesson 3: Troubleshooting ADC 12.x Web Logging

Module 11: Integrated Caching

- Lesson 1: Introduction to Integrated Caching
- Lesson 2: Static and Dynamic Content
- Lesson 3: Request and Response Process Flow
- Lesson 4: Understanding Cache Policies
- Lesson 5: Identifying Content Group Settings

Module 12: Front End Optimization

- Lesson 1: Improving Content Delivery
- Lesson 2: Front-End Optimization Use Cases
- Lesson 3: Understanding Minification
- Lesson 4: CSS Optimizations

Module 13: Tuning and Optimization

- Lesson 1: Connections on the Citrix ADC
- Lesson 2: Connection Profiles
- Lesson 3: Queuing on the Citrix ADC
- Lesson 4: Connection Tuning Practices

Lab / Exercises

- Lab et Exercices officiels Citrix

Documentation

- Digital courseware included

Exam

- This course prepares you to the 1Y0-340 Citrix ADC 12 Advanced Topics: Security, Management, and Optimization exam. If you wish to take this exam, please contact our secretariat who will let you know the cost of the exam and will take care of all the necessary administrative procedures for you.

Participant profiles

- Administrators
- Implementers
- Engineers
- Architects

Prerequisites

- No prerequisites

Objectives

- 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

Classroom Registration Price (CHF)
4200
Virtual Classroom Registration Price (CHF)
4200
Duration (in Days)
5
Reference
CIT-CNS-320