Citrix ADC 12.x Advanced Concepts – Security, Management and Optimization («CNS320»)

In this five-day course, you will learn how to use ADC Application Firewall to provide secure access to applications and how to use the ADC Management and Analytics System (MAS) and optimize a Citrix ADC environment.

Duration: 5 days
Price: 4'500.–
Course documents: Original electronic Citrix courseware (eCourseware)
Vendor code: CNS-318, CNS-319

Content

1. Module: Citrix Web App Firewall Overview
   - Web App Firewall solution Security Model
   - Common Attacks Overview
   - PCI-DSS Compliance
2. Module: Citrix Web App Firewall Policies and Profiles
   - Profiles
   - Policies
   - Engine Settings
   - Citrix Web App Firewall Learning
3. Module: Regular Expressions
   - Forms of Regular Expressions
   - Using Regular Expressions
   - Meta/Literal Characters
   - PCRE
   - RegEx Tools
   - Regular Expression Scope
4. Module: 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
5. Module: Web App Firewall Monitoring and Troubleshooting
   - Citrix Web App Firewall and Web Applications
   - Logging and Reporting
   - Customizing Errors
   - Troubleshooting
   - ADC 12.x Security Insight
6. Module: Security and Filtering
   - IP Reputation
   - Rate Limiting
   - AppQoE
   - HTTP Callout
7. Module: 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

8. Module: Managing and Monitoring Application Delivery Management
   - Inventory Management
   - User Management
   - Analytics and Automation
   - SSL Certificate Management

9. Module: Managing Citrix ADC Configuration
   - Application Management
   - StyleBooks
   - Configuration Management

10. Module: Citrix ADC Web Logging
    - Understanding Web Traffic
    - Installing and configuring ADC 12.x Web Logging
    - Troubleshooting ADC 12.x Web Logging

11. Module: ADC 12.x Integrated Caching
    - Introduction to Integrated Caching
    - Static and Dynamic Content
    - Request and Response Process Flow
    - Understanding Cache Policies
    - Identifying Content Group SettingsModule

12. Module: Citrix Web App Firewall Overview
    - Improving Content Delivery
    - Front-End Optimization Use Cases
    - Understanding Minification
    - CSS Optimizations

13. Module: Citrix Web App Firewall Policies and Profiles
    - Connections on the Citrix ADC
    - Connection Profiles
    - Queuing on the Citrix ADC
    - Connection Tuning Practices

Key Learnings

- Identifying common web attacks and vulnerabilities
- Writing PERL-compatible regular expressions
- Operating the adaptive learning machine
- Configuring the Citrix Web App Firewall to protect web applications
- Using ADC 12.x Secure Insight to monitor, manage and report on the security of Application Services

Target audience

This course is aimed at experienced system administrators or network specialists who want to administer and configure Citrix ADC products.

Requirements

Experience with the configuration of Citrix ADC (services, virtual servers, policies), experience with network components such as routers and switches, knowledge of network protocols and the associated applications as well as the construction of networks (DMZ, vLANs, etc.), basic knowledge of network security problems such as worms and DDS attacks as well as basic knowledge of security components such as Firewalls, experience with and understanding of network monitoring and management with tools based on SNMP.

- Deploy and Manage Citrix ADC 13.x with Citrix Gateway («CNS227»)
- Deploy and Manage Citrix ADC 13.x with Traffic Management («CNS225»)

Additional information

In this course you will receive electronic course materials. The documents will be sent to the address you provided when you registered. Please bring your own tablet or laptop so that you can read the contents and exercises parallel to the course or save the documents at the right place.

The infrastructure that you use during the course, can also be used after the course at home. This allows you to go through the exercises at your own speed after the course. If you book the lab environment for home use within two weeks after the course, you have the possibility to use the labs daily for CHF 40.00. You can arrange the dates individually by contacting us: phone 044 447 21 21. The images you need in the course will be stored for two weeks before they are deleted. If you book the practice environment later than two weeks after the course, a minimum of 5 lab days must be booked.

Any questions?

We are happy to advise you on +41 44 447 21 21 or info@digicomp.ch. You can find detailed information about dates on www.digicomp.ch/courses-digital-transformation-technologies/cloud/underlying-technologies/course-citrix-adc-12-x-advanced-concepts-security-management-and-optimization