Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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Citrix ADC Advanced Topics - Security Management and Optimization

CODE:	LENGTH:	PRICE:
CTX_CNS-320	40 Hours (5 dage)	kr 25,000.00

Description

Learn how to configure your NetScaler environment to address application services security requirements with AppFirewall; automate and manage network services for scale-out of application architectures with the Management and Analytics System (MAS); and optimize NetScaler-managed application delivery traffic. This five-day course for experienced NetScaler architects, engineers and administrators will teach you to deploy and manage AppFirewall to protect web applications against different types of attacks. It will also give you a practical understanding of MAS capabilities for centralized management of multiple NetScaler platforms, orchestration of changes, transaction reporting, infrastructure visualization and planning.
Certification:
CCP-N

Objectives

Module 1: AppFirewall Overview

- AppFirewall solution Security Model
- Common Attacks Overview
- PCI-DSS Compliance

Module 2: AppFirewall Policies and Profiles

- 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
- AppFirewall Actions
- Adaptive Learning
- Signatures
- Cookie Protection
- Advanced Form Protection Checks
- URL Protections

Module 5: AppFirewall Monitoring and Troubleshooting

- AppFirewall and Web Applications
- Logging and Reporting
- Customizing Errors

- Troubleshooting
- NetScaler Security Insight

Module 6: Security and Filtering

- IP Reputation
- Rate Limiting
- AppQoE
- HTTP Callout

Module 7: NetScaler MAS Introduction

- Can introduction to MAS
- MAS Deployment and Configuration
- Deploying MAS in High Availability
- MAS Instance Management

Module 8: Managing and Monitoring MAS

- Inventory Management
- User Management
- Analytics and Automation
- SSL Certificate Management

Module 9: Managing NetScaler Configuration

- Application Management
- StyleBooks
- Configuration Management

Module 10: NetScaler Web Logging

- Understanding Web Traffic
- Installing and configuring NetScaler Web Logging
- Troubleshooting NetScaler Web Logging

Module 11: NetScaler Integrated Caching

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

Module 12: Front-End Optimization

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

Module 13: Tuning and Optimizations

- Connections on the NetScaler
- Connection Profiles
- Queuing on the NetScaler
- Connection Tuning Practices

Audience

Students interested in learning the skills required to deploy and manage AppFirewall to secure application access in their Citrix NetScaler environment, as well as NetScaler
MAS to administer a Citrix NetScaler environment, or optimize NetScaler-managed application delivery traffic. Specifically for administrators, implementers, engineers, and architects.

Prerequisites

Citrix recommends students prepare for this course by taking the following course/courses: CNS-102 NetScaler Overview, CNS-220

Citrix NetScaler Essentials and Traffic
Management, or CNS-222 Citrix NetScaler Essentials and Unified Gateway.

Programme

- Identify common web attacks and vulnerabilities
- Write PERL compatible regular expressions
- Understand how to operate the adaptive learning engine
- Configure AppFirewall to protect web applications
- Utilize NetScaler Secure Insight to monitor, manage, and report on Application Services security
- Troubleshoot AppFirewall
- Manage multiple NetScaler platforms centrally
- Orchestrate configuration changes
- Report on transactions passing through the NetScaler environment
- Visualize infrastructure and plan expansion

Options

As part of this course, students will receive the following materials:

- Access to a lab environment for the duration of the course
- Lab exercise guide
- Access to final course deliverables once the course is available in general availability including copies of all official materials presented by the instructor with additional notes and references as well as videos with experts throughout Citrix around course topics and lab exercises.

Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
15 Apr 2024	Virtual Classroom (CET / UTC +1)	CEDT	English	Instructor Led Online		kr 25,000.00

Yderligere Information

Denne træning er også tilgængelig som træning på stedet. Kontakt os for at finde ud af mere.