

# CCSA, Check Point Certified Security Administrator R80: Certification Prep

Hands-on course of 4 days - 28h

Ref.: CPQ - Price 2024: CHF3 280 (excl. taxes)

## EDUCATIONAL OBJECTIVES

At the end of the training, the trainee will be able to:

Installing and configuring the product Check Point R80

Implementing network address translation (NAT) and VPNs

Deploying a security policy and monitoring traffic

Preparing for the official exam that leads to CCSA certification

## CERTIFICATION

To take the certification exam, you'll need to register on the Check Point website. You can then take the exam directly online or at an approved centre.

## THE PROGRAMME

last updated: 06/2022

### 1) Introduction

- Check Point products.
- What's new in the R80 version.

### 2) Operation and installation

- Architecture in distributed mode and standalone mode.
- The management server. The SIC protocol.
- Backup and restore commands.
- Overview of the Gaia system.

*Hands-on work* : Installing Check Point R80.

### 3) Setting up a security policy

- Getting started with SmartConsole.
- Starting and using SmartDashboard R80.
- Security policy. Rule management.

*Hands-on work* : Installing SmartConsole. Creating objects. Creating a security policy. Activating anti-spoofing.

### 4) Address translation (NAT)

- NAT rules with IPv4 and IPv6.
- Static NAT (One-to-One NAT) and dynamic NAT (Many-to-One NAT)/PAT.
- The ARP issue and routing.

*Hands-on work* : Setting up automatic one-to-one NAT, Hide, and manual transaction rules.

### 5) Monitoring and log management

- The log management policy.
- Tracking connections with SmartView Tracker.
- The SmartView Monitor, features, and alert thresholds.

*Hands-on work* : Activating monitoring, using the Suspicious Activity Monitoring Protocol, viewing traffic, monitoring the status of the security policy.

## TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

## ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more. Participants also complete a placement test before and after the course to measure the skills they've developed.

## TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

## TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

## ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at [psh-accueil@ORSYS.fr](mailto:psh-accueil@ORSYS.fr) to review your request and its feasibility.

## 6) R80 client identification

- Identity Awareness. Application Control.
- Authentication types.

*Hands-on work* : *Setting up an Identity Awareness.*

## 7) Site-to-site VPN and roaming VPN

- VPN architecture. Basics of encryption.
- Introduction to IKE and IPSec.
- The certification authority (CA). Domain-Based VPN.
- SecureClient and the SSL Network Extender.

*Hands-on work* : *Setting up an IPSec site-to-site tunnel using a preshared key and certificate.*  
*Configuring remote access with VPN IPSec and VPN SSL.*

## 8) The IPS module

- Overview of IPS.
- Web Intelligence. Application Intelligence.
- IPS and IDS security profiles.

*Hands-on work* : *Example of protecting against vulnerabilities with the IPS module.*

# DATES

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## REMOTE CLASS

2024 : 09 Jul, 08 Oct