

# Course : Check Point R81, installation and configuration

*Practical course - 2d - 14h00 - Ref. CPI*  
*Price : 1720 CHF E.T.*

This training course will give you the knowledge you need to install and configure a security solution based on Check Point firewall version R80. You will also learn how to set up and manage a security policy.

## Teaching objectives

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

- ✓ Installing and configuring Check Point R80
- ✓ Implementing a safety policy

## Intended audience

Network or security technicians/administrators.

## Prerequisites

Good knowledge of TCP/IP. Basic knowledge of IT security.

## Course schedule

### 1 Introduction

- The Check Point product range.
- What are the different components of a Check Point product?
- What's new in R80?

### 2 Architecture and installation

- Distributed and standalone architecture.
- What is a management server? Introduction to the SIC (Secure Internal Communications) protocol.
- The Check Point Gaia operating system.
- Command Line Interface (CLI). What are the advantages and disadvantages of using this interface?
- How to backup and restore. What commands are needed to perform these operations?

## Hands-on work

Installation of Check Point under Gaia version R80.

## PARTICIPANTS

Network or security technicians/administrators.

## PREREQUISITES

Good knowledge of TCP/IP. Basic knowledge of IT security.

## 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.

### 3 Implementing a safety policy

- Discovering SmartConsole. Getting started with SmartConsole.
- What is the SmartDashboard? How do I start and use SmartDashboard?
- Set up administrator and profile management.
- What security policy to implement. How do you manage all the security rules that have been defined?

#### Hands-on work

Install SmartConsole. Create objects and security policy. Enable anti-spoofing.

### 4 Address translation (NAT)

- Reminders on address translation (NAT).
- What are the rules of address translation? Is it mandatory to use it systematically?
- The different types of NAT: NAT "static" and NAT "hide". How do I manage ARP?

#### Hands-on work

Set up automatic NATs such as "hide", "static" and manual transaction rules.

### 5 Site-to-site VPN

- VPN architecture. Basics of encryption.
- Introduction IPSec, the certification authority.
- The certification authority (CA).
- Domain-Based VPN, the fat-client mode.
- Mobile Access authentication modes: Check Point Mobile, SSL/SNX...

#### Hands-on work

Setting up a site-to-site IPSec tunnel. Configuring remote IPSec VPN access.

#### 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 to review your request and its feasibility.

## Dates and locations

### REMOTE CLASS

2026 : 11 June, 7 Sep., 10 Dec.