

# Check Point Certified Security Administrator R80 (CCSA-R80)



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## Test and Certification

Perpare for the CCSA Exam 156-215.80 at Pearson VUE CheckPoint

## Who should attend

Technical professionals who support, install, deploy or administer Check Point Software Blades.

## Prerequisites

- Prior to taking this course, it is recommended that you possess the following:
- General knowledge of TCP/IP
- Working knowledge of Windows and/or UNIX, network
- technology and the Internet

## Course Objectives

At the end of the course, you will be able to:

- Describe the key elements of Check Point?s unified, secure management architecture
- Interpret the concept of a firewall and understand the mechanisms used for controlling network traffic
- Recognize SmartConsole features and functions
- Understand Check Point deployment options
- Describe the basic functions of the Gaia OS
- Describe the elements of a unified security policy
- Understand how traffic inspection takes place in a unified security policy
- Summarize how administration roles and permissions assist in managing policy
- Implement Check Point backup techniques
- Recognize Check Point Security Solutions and Products and how they work to protect your network
- Understand licensing and contract requirements for Check Point security products
- Identify tools designed to monitor data, determine threats and recognize opportunities for performance improvements
- Identify tools designed to respond quickly and efficiently to changes in gateways, tunnels, remote users and traffic flow patterns or security activities
- Understand Site-to-Site and Remote Access VPN deployments and VPN communities
- Understand how to analyze and interpret VPN tunnel traffic
- Recognize how to define users and user groups
- Manage user access for internal and external users
- Understand the basic concepts of ClusterXL technology and its advantages
- Understand how to perform periodic administrator tasks as specified in administrator job descriptions



## **Course Content**

Today, managing security is a complex endeavor, making it more important to consolidate. With R80 management, security consolidation is fully realized. This three-day course covers everything you need to start-up, configure and manage the daily operations of your Check Point infrastructure with R80.

## **Detailed Course Outline**

Modules:

- Introduction to Check Point Technology
- Security Policy Management
- Check Point Security Solutions and Licensing
- Traffic Visibility
- Basic Concepts of VPN
- Managing User Access
- Working with ClusterXL
- Administrator Task Implementation Unified Gateway

## **Labs:**

- Defining roles and users in Gaia Portal
- Installing and navigating SmartConsole
- Configuring objects, rules, and settings to define a Security Policy
- Publishing database changes
- Installing and managing a remote Security Gateway
- Performing Hide and Static Network Address Translation
- Configuring Application Control and URL filtering Access Control policy layers
- Working with multiple concurrent Administrators and testing permissions profiles
- Working with Check Point licenses
- Viewing and maintaining logs
- Configuring a Virtual Private Network
- Providing User Access
- Working with Check Point clustering
- Producing Check Point reports