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## Check Point Certified Security Administrator

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# Check Point Certified Security Administrator (CCSA)

## Course Overview:

By achieving the CCSA - Check Point Certified Security Administrator certification you will validate your ability to install, configure, and manage Check Point Security Gateway and Management Software Blade systems on the GAIa operating system. Learn how to: Install R80 management and a security gateway in a distributed environment Configure objects, rules, and settings to define a security policy Work with multiple concurrent administrators and define permission profiles Configure a Virtual Private Network and work with Check Point clustering Perform periodic administrator tasks as specified in administrator job descriptions.

The Check Point CCSA certification is mainly targeted to those candidates who want to build their career in Security domain. The Check Point Certified Security Administrator (CCSA) R80 exam verifies that the candidate possesses the fundamental knowledge and proven skills in the area of Check Point CCSA R80.

## Course Outline:

### Introduction to Check Point Architecture

- Identify the basic functions of the Web UI.
- Create and confirm admin users for the network.
- Configure network messages.
- Confirm existing network configuration settings.
- Install and tour the GUI.
- Describe the key elements of Check Point's unified, 3-tiered architecture.
- Interpret the concept of a firewall and understand the mechanisms used for controlling network traffic.
- Recognize SmartConsole features, functions and tools.
- Understand Check Point deployment options.

### Security Policy Management

- Create multiple administrators and apply different roles/permissions for concurrent administration.
- Create and configure network, host and gateway objects.
- Evaluate and manipulate rules in a unified Access Control security policy.
- Apply policy layers and analyze how they affect traffic inspection.

- Prepare and schedule backups for the gateway.
- Describe the essential 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.
- Recall how to implement Check Point backup techniques.

### **Check Point Security Solutions**

- Evaluate and manage different Check Point security solutions deployed for network access control.
- Evaluate and manage Check Point security solutions for threat protection.
- Examine how the Compliance blade monitors your Check Point security infrastructure.
- Validate existing licenses for products installed on your network.
- Recognize Check Point security solutions & products and the way they protect your network.
- Understand licensing and contract requirements for Check Point security solutions.

### **Traffic Visibility**

- Generate network traffic and use traffic visibility tools to monitor the data.
- Compare and contrast various tools available for viewing traffic
- 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.

### **Basic Concepts of VPN**

- Configure and deploy a site-to-site VPN.
- Test the VPN connection and analyze the tunnel traffic.
- Understand VPN deployments and Check Point Communities.
- Understand how to analyze and interpret VPN tunnel traffic.

### **Managing User's Access**

- Create and define user access for a guest wireless user.
- Test Identity Awareness connection.
- Recognize how to define users and user groups for your environment.
- Understand how to manage user access for internal users and guests.

### **Working with Cluster XL**

- Install and configure ClusterXL with a High Availability configuration.
- Describe the basic concept of ClusterXL technology and its advantages.

### **Administrator Task Implementation**

- Review rule-base performance for policy control.
- Understand how to perform periodic administrator tasks as specified in Administrator job descriptions.

### **SmartEvent Reports**

- Generate reports that effectively summarize network activity.
- Recognize how to effectively create, customize and generate network activity reports.

#### **Prerequisites:**

- Basic knowledge of networking
- General knowledge of networking and TCP/IP. Working knowledge of Windows, UNIX, network technology, and the internet.
- 6 months to 1 year of experience with Check Point products recommended

#### **Who Can attend:**

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

#### **Number of Hours: 40hrs**

#### **Certification: Check Point Certified Security Administrator (CCSA) R80.x**

#### **Key Features:**

- One to One Training
- Online Training
- Fastrack & Normal Track
- Resume Modification
- Mock Interviews
- Video Tutorials
- Materials

- Real Time Projects
- Virtual Live Experience
- Preparing for Certification

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