



# CHECK POINT CERTIFIED SECURITY ADMINISTRATOR (CCSA)

Check Point   
**SECUREACADEMY™**

## OBJECTIVES

- Know how to perform periodic administrator tasks
- Describe the basic functions of the Gaia operating system
- Recognize SmartConsole features, functions, and tools
- Describe the Check Point Firewall infrastructure
- Understand how SmartConsole is used by administrators to grant permissions and user access
- Learn how Check Point security solutions and products work and how they protect networks
- Understand licensing and contract requirements for Check Point security products
- Describe the essential elements of a Security Policy
- Understand the Check Point policy layer concept
- Understand how to enable the Application Control and URL Filtering software blades to block access to various applications
- Describe how to configure manual and automatic NAT
- Identify tools designed to monitor data, determine threats and recognize opportunities for performance improvements
- Identify SmartEvent components used to store network activity logs and identify events
- Know how Site-to-Site and Remote Access VPN deployments and communities work
- Explain the basic concepts of ClusterXL technology and its advantages

## EXERCISES

- Identify key components and configurations
- Create and confirm administrator users for the domain
- Validate existing licenses for products installed on your network
- Create and modify Check Point Rule Base objects
- Demonstrate how to share a layer between Security Policies
- Analyze network traffic and use traffic visibility tools
- Monitor Management Server States using SmartConsole
- Demonstrate how to run specific SmartEvent reports
- Configure a SmartEvent server to monitor relevant patterns
- Configure and deploy a site-to-site VPN
- Configure and test ClusterXL with a High Availability configuration
- Understand how to use CPView to gather gateway information
- Perform periodic tasks as specified in administrator job descriptions
- Test VPN connection and analyze the tunnel traffic
- Demonstrate how to create custom reports
- Demonstrate how to configure event Alerts in SmartEvent
- Utilize various traffic visibility tools to maintain Check Point logs

Security Architecture

Admin Operations

Deployment

Licensing

Gaia Portal

Hide/Static NAT

Firewall Basics

Threat Detection

Policy Layers

Site-to-Site VPN

Remote Access VPN

User Access

Compliance Tasks

Security Events

Traffic Visibility

ClusterXL

Monitoring States