CHECK POINT CERTIFIED SECURITY ADMINISTRATOR (CCSA)

Course Code: 3442

Learn basic concepts and develop skills necessary to administer Check Point Next Generation Firewalls.

In this course, you will learn the basic concepts and skills necessary to configure Check Point Next Generation Firewalls. During this course, you will configure a security policy and learn about managing and monitoring a secure network, upgrading and configuring a security gateway, and implementing a virtual private network (VPN).

Note: Supported versions R81.10 and previous versions

What You'll Learn

- Security Architecture
- Application Control
- Deployment
- Licensing
- Gaia Portal
- Hide/Static NAT
- URL Filtering
- Monitoring States
- IoT
- Traffic Visibility
- Security Events
- Threat Extraction
- Threat Emulation
- Policy Layers
- Browser SmartConsole
- Infinity Threat Protection
- User Access

Who Needs to Attend

Technical persons who support, install, deploy, or administer Check Point Software Blades should attend this course. This could include the following:

- System administrators

- Support analysts
- Security managers
- Network engineers
- Anyone seeking CCSA certification

Prerequisites

- General knowledge of TCP/IP
- Working knowledge of Windows, UNIX, network technology, and the Internet

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CLASSROOM LIVE	$3,000 USD	3 Day

Classroom Live Outline

- Know how to perform periodic administrator tasks.
- Describe the basic functions of the Gaia operating system.
- Recognize SmartConsole features, functions, and tools.
- Understand how SmartConsole is used by administrators to give 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.
- Describe different Check Point Threat Prevention solutions for network attacks.
- Articulate how the Intrusion Prevention System is configured, maintained and tuned.
- Understand the Infinity Threat Prevention system.
- Knowledge about Check Point's IoT Protect.

Classroom Live Labs

- Configure the Security Management Server.
- Use the WebUI to run the First Time Wizard.
- Install the Smart Console.
- Configure the Security Management Server.

- Use the WebUI to run the First Time Wizard.
- Install the Smart Console.
- Install the Alpha Gateway using the network detailed in the course topology.
- Demonstrate how the Security Management Server and Gateway communicate.
- Test SIC Status.
- Create multiple administrators and apply different roles and permissions for simultaneous administration.
- Validate existing licenses for products installed on the network.
- Create and configure host, network and group objects.
- Create a simplified Security Policy.
- Demonstrate how to use Security Zones in policy.
- Demonstrate how to share a layer between Security Polices.
- Configure Network Address Translation for server and network objects.
- Enable Identity Awareness.
- Deploy user access roles for more granular control of the security Policy.
- Generate network Traffic and use traffic visibility tools to monitor the data.
- Use SmartConsole and SmartView Monitor to view status, alerts, and block suspicious traffic.

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VIRTUAL CLASSROOM LIVE	$3,000 USD	3 Day

Virtual Classroom Live Outline

- Interpret the concept of a Firewall and understand the mechanisms used for controlling network traffic.
- Describe the key elements of Check Point?s unified Security Management Architecture.
- Recognize SmartConsole features, functions and tools.
- Understand Check Point deployment options.
- Describe the basic functions of Gaia.
- Describe the essential elements of a 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 backup techniques.
- Understand the Check Point policy layer concept.
- 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 performance improvements.
- Identify tools designed to respond quickly and efficiently to changes in gateways, tunnels, remote users, traffic flow patterns, and other activities.
- Understand Site-to-Site and Remote Access VPN deployments and communities.
- Understand how to analyze and interpret VPN traffic.
- Recognize how to define users and user groups.
- Understand how to 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.

Virtual Classroom Live Labs

- Configure the Security Management Server.
- Use the WebUI to run the First Time Wizard.
- Install the Smart Console.
- Configure the Security Management Server.
- Use the WebUI to run the First Time Wizard.
- Install the Smart Console.
- Install the Alpha Gateway using the network detailed in the course topology.
- Demonstrate how the Security Management Server and Gateway communicate.
- Test SIC Status.
- Create multiple administrators and apply different roles and permissions for simultaneous administration.
- Validate existing licenses for products installed on the network.
- Create and configure host, network and group objects.
- Create a simplified Security Policy.
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- Generate network Traffic and use traffic visibility tools to monitor the data.
- Use SmartConsole and SmartView Monitor to view status, alerts, and block suspicious traffic.

May 19 - 21, 2025 | 10:00 AM - 6:00 PM EST

Jun 9 - 11, 2025 | 10:00 AM - 6:00 PM EST

Jul 7 - 9, 2025 | 10:00 AM - 6:00 PM EST

Jul 28 - 30, 2025 | 10:00 AM - 6:00 PM EST

Aug 11 - 13, 2025 | 10:00 AM - 6:00 PM EST

Aug 25 - 27, 2025 | 10:00 AM - 6:00 PM EST

Sep 8 - 10, 2025 | 10:00 AM - 6:00 PM EST

Sep 22 - 24, 2025 | 10:00 AM - 6:00 PM EST

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PRIVATE GROUP TRAINING	3 Day

Visit us at www.globalknowledge.com or call us at 1-866-716-6688.