



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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# Check Point Certified Security Administrator (CCSA) & Troubleshooting Administrator (CCTA) Bundle R81.20

CODE:	LENGTH:	PRICE:
CKT_CCSACCTA_R81.20	40 Hours (5 days)	€3,000.00

## Description

This bundle course covers the following two Check Point training courses:  
Check Point Certified Security Administrator (CCSA) R81.20 (3 days) And  
Check Point Certified Troubleshooting Administrator (CCTA) R81.20 (2 days)

## Audience

- Technical professionals who support, install deploy or administer Check Point products.
- Security administrators and Check Point resellers who need to manage and monitor issues that may occur within their Security Management environment

## Programme

Objectives CCSA:

- Describe the primary components of a Check Point Three-Tier
- Architecture and explain how they work together in the Check Point environment.
- Explain how communication is secured and how traffic is routed in the Check Point environment.
- Describe the basic functions of the Gaia operating system.
- Identify the basic workflow to install Security Management Server and Security Gateway for a single-domain solution.
- Create SmartConsole objects that correspond to the organization's topology for use in policies and rules.
- Identify the tools available to manage Check Point licenses and contracts, including their purpose and use.
- Identify features and capabilities that enhance the configuration and management of the Security Policy.
- Explain how policy layers affect traffic inspection.
- Articulate how Network Address Translation affects traffic.
- Describe how to configure manual and automatic Network Address Translation (NAT).
- Demonstrate an understanding of Application Control & URL Filtering and Autonomous Threat Prevention capabilities and how to configure these solutions to meet an organization's security requirements.
- Articulate how pre-shared keys and certificates can be configured to
- authenticate with third party and externally managed VPN Gateways.

- Describe how to analyze and interpret VPN tunnel traffic.
- Configure logging parameters.
- Use predefined and custom queries to filter log results.
- Identify how to monitor the health of supported Check Point hardware using the Gaia Portal and the command line.
- Describe the different methods for backing up Check Point system information and discuss best practices and recommendations for each method.

#### Exercises CCSA:

- Deploying SmartConsole
- Installing a Security Management Server
- Installing a Security Gateway
- Configuring Objects in SmartConsole
- Establishing Secure Internal Communication
- Managing Administrator Access
- Managing Licenses
- Creating a Security Policy
- Configuring Order Layers
- Configuring a Shared Inline Layer
- Configuring NAT
- Integrating Security with a Unified Policy
- Elevating Security with Autonomous Threat Prevention
- Configuring a Locally Managed Site-to-Site VPN
- Elevating Traffic View
- Monitoring System States
- Maintaining the Security Environment

#### Objectives CCTA:

- Identify basic resources available to troubleshoot Check Point Security Gateways and Management Software Blades that run on the Gaia operating system.
- Discuss how to use the OSI (Open Systems Interconnection) model for problem isolation.
- Investigate and troubleshoot potential traffic flow issues.
- Monitor network activity and performance.
- Investigate and troubleshoot log collection issues.
- Investigate and troubleshoot SmartConsole issues.
- Investigate and troubleshoot Application Control and URL Filtering issues.
- Investigate and troubleshoot NAT (Network Address Translation) issues.

- Investigate and troubleshoot issues with basic Site-to-Site VPNs.
- Investigate and troubleshoot Autonomous Threat Prevention issues.
- Investigate and troubleshoot Licenses and Contracts issues.  
Exercises CCTA:

- Troubleshoot with Linux and Check Point Commands
- Collect and Analyze Interface Packet Captures
- Troubleshoot Log Communication Issues
- Troubleshoot SmartConsole
- Troubleshoot Application Control and URL Filtering
- Investigate Network Address Translation Issues
- Troubleshoot Site-to-Site VPN
- Evaluate Threat Prevention Products
- Verify Licenses

## **Follow on courses**

Attend our CCSE+CCTE bundle course and pass their exams to automatically become a Check Point Certified Security Master (CCSM).

AND

Attend two more Infinity Specialization courses and pass their exams to automatically become a Check Point Certified Security Master Elite (CCSM Elite).

## **Test and Certification**

This course bundle prepares you for exams #156-215.81.20 (CCSA) and #156-582 (CCTA) at [www.VUE.com/checkpoint](http://www.VUE.com/checkpoint) Note: Exam vouchers need to be purchased separately at additional cost.

## **Further Information**

Please note that Check Point only offer e-kit courseware for training courses. Each delegate will be provided with an official set of e-kit courseware approximately 1 week prior to the start date of the course.

## **Session Dates**

On request. Please [Contact Us](#)

## **Additional Information**

[This training is also available as onsite training. Please contact us to find out more.](#)