



**Enterprise Computing Solutions - Education Services**

## **TRAINING OFFERING**

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

**CODE:**

CKT\_CCSACCTA\_R81.20

**LENGTH:**

40 Hours (5 days)

**PRICE:**

€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

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
25 Aug 2025	Virtual Classroom (CET / UTC +1)	CEDT	English	Instructor Led Online		€3,000.00
20 Oct 2025	Virtual Classroom (CET / UTC +1)	CEDT	English	Instructor Led Online		€3,000.00
15 Dec 2025	Virtual Classroom (CET / UTC +1)	CET	English	Instructor Led Online		€3,000.00

## Additional Information

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