



## TRAINING OFFERING

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# Check Point Certified Security Administrator (CCSA) and Expert (CCSE) R81.20 Boot Camp (includes 180 days' lab access)

CODE:	LENGTH:	PRICE:
CKT_CCSAEBC_R81.XX	40 Hours (5 days)	£3,495.00

## Description

The Check Point Cybersecurity Boot Camp is a fast-paced course intended for Security Experts and other technical professionals with prior training and/or practical experience with Check Point Security Management Servers and Security Gateways running on the Gaia operating system.

This course is not for new users to Check Point – previous certification/experience is recommended.

## Objectives

Security Administrator (CCSA) Objectives:

- Describe the primary components of a Check Point Three-Tier Architecture and explain how they work together in the Check Point environment.
- 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.
- 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.
- Describe how to analyze and interpret VPN tunnel traffic.
- 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.

Security Expert (CCSE) Objectives:

- Identify the types of technologies that Check Point supports for automation.
- Explain the purpose of the Check Management High Availability (HA) deployment.
- Explain the basic concepts of Clustering and ClusterXL, including protocols, synchronization, and connection stickiness.
- Explain the purpose of dynamic objects, updatable objects, and network feeds.
- Describe the Identity Awareness components and configurations.
- Describe different Check Point Threat Prevention solutions.
- Articulate how the Intrusion Prevention System is configured.
- Explain the purpose of Domain-based VPNs.
- Describe situations where externally managed certificate authentication is used.
- Describe how client security can be provided by Remote Access.
- Discuss the Mobile Access Software Blade.
- Define performance tuning solutions and basic configuration workflow.
- Identify supported upgrade methods and procedures for Security Gateways.

## Audience

Technical professionals who support, administer, or perform advanced deployment configurations of Check Point products.

## Prerequisites

Prerequisites:

- One-year experience on Check Point products.
- Working knowledge of Windows, UNIX, networking technology, the Internet and TCP/IP is recommended.

## Programme

Topics:

- Security Management
- SmartConsole
- Deployment
- Object Management
- Licenses and Contracts
- Policy Rules and Rulebase
- Policy Packages
- Policy Layers
- Traffic Inspection
- Network Address Translation
- Application Control
- URL Filtering
- Logging
- Snapshots
- Backup and Restore
- Gaia
- Permissions
- Policy Installation
- Advanced Deployments
- Management High Availability
- Advanced Gateway Deployment
- Advanced Policy Configuration
- Advanced User Access Management
- Custom Threat Protection
- Advanced Site-to-Site VPN
- Remote Access VPN
- Mobile Access VPN
- Advanced Security Monitoring
- Performance Tuning
- Advanced Security Maintenance

Security Administrator (CCSA) Exercises:

- Deploy SmartConsole
- Install a Security Management Server
- Install a Security Gateway
- Configure Objects in SmartConsole
- Establish Secure Internal Communication
- Manage Administrator Access
- Manage Licenses
- Create a Security Policy
- Configure Order Layers
- Configure a Shared Inline Layer
- Configure NAT
- Integrate Security with a Unified Policy
- Elevate Security with Autonomous Threat Prevention
- Configure a Locally Managed Site-to-Site VPN
- Elevate Traffic View
- Monitor System States
- Maintain the Security Environment

## Security Expert (CCSE) Exercises:

- Navigate the Environment and Use the Management API
- Deploy Secondary Security Management Server
- Configure a Dedicated Log Server
- Deploy SmartEvent
- Configure a High Availability Security Gateway Cluster
- Work with ClusterXL
- Configure Dynamic and Updateable Objects
- Verify Accelerated Policy Installation and Monitoring Status
- Elevate Security with HTTPS Inspection
- Deploy Identity Awareness
- Customize Threat Prevention
- Configure a Site-to-Site VPN with an Interoperable Device
- Deploy Remote Access VPN
- Configure Mobile Access VPN
- Monitor Policy Compliance
- Report SmartEvent Statistics
- Tune Security Gateway Performance

## Follow on courses

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

- Check Point Certified Endpoint Specialist (CCES)
- Check Point Certified Troubleshooting Administrator (CCTA)
- Check Point Certified Automation Specialist (CCAS)
- Check Point Certified Cloud Specialist (CCCS)
- Check Point Certified MDSM Specialist (CCMS)
- Check Point Certified VSX Specialist (CCVS)
- Check Point Certified Troubleshooting Expert (CCTE)
- Check Point Certified Maestro Expert (CCME)
- Check Point Certified Cloud Network Security Expert for AWS (CNSE-AWS)
- Check Point Certified Cloud Network Security Expert for Azure (CNSE-AZURE)

## Test and Certification

Certification: Prepare for exams #156-215.81.20 and #156-315.81.20 at [www.VUE.com/checkpoint](http://www.VUE.com/checkpoint)  
Exam vouchers are available at an additional cost from [educationteam.ecs.uk@arrow.com](mailto:educationteam.ecs.uk@arrow.com) (0870 251 1000)  
Full information on Check Point's Certification Program can be viewed at <https://www.checkpoint.com/downloads/training/checkpoint-certification-faq.pdf>

## 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.

Arrow ECS are a Check Point Platinum Elite Authorised Training Company (ATC) Partner and participate in the Check Point Learning Credits (CLCs) and Partner Coop Training Program.

## **Session Dates**

On request. Please [Contact Us](#)

## **Additional Information**

This training is also available as onsite training. Please contact us to find out more.