Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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Check Point Certified Security Administrator (CCSA) and Expert (CCSE) R80.X Boot Camp (includes 180 days lab access)

CODE:	LENGTH:	PRICE:
CKT_CPSA_R80.X	40 Hours (5 days)	£3,495.00

Description

This 5-day course combines the content of the CCSA and CCSE courses over 5 days (instead of 6).
Please note that this course is not for new users to Check Point – previous certification/experience is required.

Objectives

CCSA:
• 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
> • Articulate Gaia system management procedures
> • Explain how to perform database migration procedures
> • Articulate the purpose and function of Management High Availability
> • Describe how to use Check Point API tools to perform management functions
> • Articulate an understanding of Security Gateway cluster upgrade methods
> • Discuss the process of Stateful Traffic inspection
> • Articulate an understanding of the Check Point Firewall processes and debug procedures
> • Describe advanced ClusterXL functions and deployment options
> • Explain how the SecureXL acceleration technology enhances and optimizes Security Gateway performance
> • Describe how the CoreXL acceleration technology enhances and improves Security Gateway performance
> • Articulate how utilizing multiple traffic queues can make traffic handling more efficient
> • Describe different Check Point Threat Prevention solutions for network attacks
> • Explain how SandBlast, Threat Emulation, and Threat Extraction help to prevent security incidents
> • Recognize alternative Check Point Site-to-Site deployment options
> • Recognize Check Point Remote Access solutions and how they differ from each other

CCSE: • Describe Mobile Access deployment options

Audience

Technical professionals who support, install deploy or administer Check Point products, and who perform advanced deployment configurations of Check Point products.
Please note that his course is not for new users to Check Point – previous certification/experience is required.

Prerequisites

• General knowledge of TCP/IP
• Working knowledge of Windows and/or UNIX, network technology and the Internet
• Previous attendance/certification on CCSA
• This course is not for new users to Check Point – previous experience is required.

Programme

• Security Architecture	• Management Maintenance
• Admin Operations	• Management Migration
• Deployment	• Management
• Licensing	• High Availability
• Gaia Portal	• Policy Automation
• Hide/Static NAT	• Gateway Maintenance
• Firewall Basics	• The Firewall Kernel
• Monitoring States	• User-Mode Processes
• ClusterXL	• ClusterXL
• Traffic Visibility	• Traffic Acceleration
• Security Events	• Core Acceleration
• Compliance Tasks	• Interface Acceleration
• Threat Detection	• Threat Prevention
• Policy Layers	• Threat Emulation
• Site-to-Site VPN	• Advanced Site-to-Site VPN
• Remote Access VPN	• Remote Access VPN
• User Access	• Mobile Access

COURSE TOPICS CCSA: **CCSE:** **EXERCISES CCSA:**

• 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   **CCSE:**
• Perform an upgrade of a Security Management server in a distributed environment
• Use the migrate_export command to prepare to migrate a Security Management Server
• Deploy a Secondary Management Server
• Demonstrate how to define new network and group objects using the Check Point API
• Perform an upgrade of Security Gateways in a clustered environment
• Use Kernel table commands to evaluate the condition of a Security Gateway
• Use common commands to evaluate the condition of a Security Gateway
• Configure Virtual MAC
• Demonstrate how SecureXL affects traffic flow
• Describe how the CoreXL acceleration technology enhances and improves Security Gateway performance
• Demonstrate how to monitor and adjust interface traffic queues
• Identify specific threat protections used by Check Point Threat Prevention
• Demonstrate how to enable Mobile Access for remote users

Follow on courses

Attend two <u>Infinity Specialization</u> courses and pass their exams to automatically become a Check Point Certified Security Master (CCSM).
Attend four <u>Infinity Specialization</u> 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)

Infinity Specialization courses available: • Check Point Certified Maestro Expert (CCME)

Full details of Check Point's New Certification Program Model can be viewed at
https://www.checkpoint.com/downloads/training/check-point-certification-faq.pdf

Test and Certification

This course prepares you for exams #156-215.80 and #156-315.80 at www.VUE.com/checkpoint
Exam vouchers are available at an additional cost from 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/check-point-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.