



## TRAINING OFFERING

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**You can reach us at:**

Arrow ECS, Nidderdale House, Beckwith Knowle, Harrogate, HG3 1SA

Email: [educationteam.ecs.uk@arrow.com](mailto:educationteam.ecs.uk@arrow.com)

Phone: 0870 251 1000



# Check Point Certified Troubleshooting Expert (CCTE) R80.X (includes 180 days lab access)

CODE:	LENGTH:	PRICE:
CKT_CCTE	2 days	£1,395.00

## Description

This 2-day course is designed to provide advanced troubleshooting skills to investigate and resolve more complex issues that may occur while managing your Check Point Security environment.

## Objectives

- Understand how to use Check Point diagnostic tools to determine the status of a network.
- Understand how to use network packet analyzers and packet capturing tools to evaluate network traffic.
- Become familiar with more advanced Linux system commands.
- Obtain a deeper knowledge of the Security Management architecture.
- Understand how the Management database is structured and how objects are represented in the database.
- Understand key Security Management Server processes and their debugs.
- Understand how GuiDBedit operates.
- Understand how the kernel handles traffic and how to troubleshoot issues with chain modules.
- Understand how to use the two main procedures for debugging the Firewall kernel and how they differ.
- Recognize User mode processes and how to interpret their debugs.
- Discuss how to enable and use core dumps.
- Understand the processes and components used for policy installs and processing packets in Access Control policies.
- Understand how to troubleshoot and debug issues that may occur with App Control and URLF.
- Understand how to debug HTTPS Inspection-related issues.
- Understand how to troubleshoot and debug Content Awareness issues.
- Understand how IPS works and how to manage performance issues.
- Understand how to troubleshoot Anti-Bot and Antivirus.
- Recognize how to troubleshoot and debug Site-to-Site VPN-related issues.
- Understand how to troubleshoot and debug Remote Access VPNs.
- Understand how to troubleshoot Mobile Access VPN issues.
- Recognize how to use SecureXL features and commands to enable and disable accelerated traffic.
- Understand how the server hardware and operating system affects the performance of Security Gateways.
- Understand how to evaluate hardware configurations for optimal performance.

## Audience

This course is designed for security experts and Check Point resellers who desire to obtain the necessary knowledge required to perform more advanced troubleshooting skills while managing their security environments.

## Prerequisites

- Working knowledge of UNIX and/or Windows operating systems
- Working knowledge of Networking TCP/IP
- CCSE training/certification
- Advanced knowledge of Check Point Security products

## Programme

- Monitoring Network Traffic
  - Debugging Management Processes
  - Exploring the Postgres and Solr Databases
  - Troubleshooting Management Synchronization
  - Analyzing Traffic Issues Using Kernel Debugs
  - Debugging User Mode Processes
  - Troubleshooting Application Control and URL Filtering
  - Troubleshooting IPS
  - Evaluating Threat Prevention Products
  - Debugging Site-to-Site VPN
  - Troubleshooting Remote Access VPN
  - Testing Mobile Access VPN
  - Evaluating SecureXL
  - Modifying CoreXL
  - Evaluating Hardware-related Performance
- Advanced Troubleshooting
  - Management Database and Processes
  - Advanced Kernel Debugging
  - User Mode Troubleshooting
  - Advanced Access Control
  - Understanding Threat Prevention
  - Advanced VPN Troubleshooting

Course Topics:• Acceleration and Performance Tuning Lab Exercises• Tuning and Software Optimization

## 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).

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 exam #156-585 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/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 approximately 1 week prior to the start date of the course.

## Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
16 Dec 2021	Virtual Classroom	GMT	English	Instructor Led Online	Yes	£ <del>1,395.00</del> £1,255.50
20 Jan 2022	London - Dowgate Hill	GMT	English	Classroom		£1,395.00
20 Jan 2022	Virtual Classroom	GMT	English	Instructor Led Online		£1,395.00
17 Feb 2022	London - Dowgate Hill	GMT	English	Classroom		£1,395.00
17 Feb 2022	Virtual Classroom	GMT	English	Instructor Led Online		£1,395.00
17 Mar 2022	London - Dowgate Hill	GMT	English	Classroom		£1,395.00
17 Mar 2022	Virtual Classroom	GMT	English	Instructor Led Online		£1,395.00

12 May 2022	London - Dowgate Hill	BST	English	Classroom	£1,395.00
12 May 2022	Virtual Classroom	BST	English	Instructor Led Online	£1,395.00
09 Jun 2022	London - Dowgate Hill	BST	English	Classroom	£1,395.00
09 Jun 2022	Virtual Classroom	BST	English	Instructor Led Online	£1,395.00
07 Jul 2022	London - Dowgate Hill	BST	English	Classroom	£1,395.00
07 Jul 2022	Virtual Classroom	BST	English	Instructor Led Online	£1,395.00
04 Aug 2022	London - Dowgate Hill	BST	English	Classroom	£1,395.00
04 Aug 2022	Virtual Classroom	BST	English	Instructor Led Online	£1,395.00
22 Sep 2022	London - Dowgate Hill	BST	English	Classroom	£1,395.00
22 Sep 2022	Virtual Classroom	BST	English	Instructor Led Online	£1,395.00
20 Oct 2022	London - Dowgate Hill	BST	English	Classroom	£1,395.00
20 Oct 2022	Virtual Classroom	BST	English	Instructor Led Online	£1,395.00
17 Nov 2022	London - Dowgate Hill	GMT	English	Classroom	£1,395.00
17 Nov 2022	Virtual Classroom	GMT	English	Instructor Led Online	£1,395.00
15 Dec 2022	London - Dowgate Hill	GMT	English	Classroom	£1,395.00
15 Dec 2022	Virtual Classroom	GMT	English	Instructor Led Online	£1,395.00

## Additional Information

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