Enterprise Computing Solutions - Education Services

TRAINING OFFERING

You can reach us at:

Arrow Enterprise Computing Solutions Ltd, Part 1st Floor, Suite 1D/1, Central House, Otley Road, Harrogate, HG3 1UG

Email: educationteam.ecs.uk@arrow.com
Phone: 0870 251 1000

Check Point Certified Troubleshooting Administrator (CCTA) R82 (includes 180 days lab access)

CODE:	LENGTH:	PRICE:
CKT_CCTA_R82	16 Hours (2 days)	£1,595.00

Description

The Check Point Certified Troubleshooting Administrator (CCTA) provides students with the fundamental skills to effectively troubleshoot Quantum Security Management Servers and Security Gateways that run on the Gaia operating system.
After an introduction to troubleshooting, the fundamentals of traffic monitoring and packet captures are covered followed by packet capture analysis using both CII and Wireshark.
The focus then shifts to processes, SmartConsole, log collection, Identity Awareness, and Application Control and URL Filtering troubleshooting.

Audience

- Security Administrators
- Security Engineers
- Security Analysts
- Security Consultants
- Security Architects

NIST/NICE Work Role Categories

- Implementation & Operation
- Protection & Defense

Prerequisites

Base Knowledge:

- Unix-like and/or Windows OS
- Internet Fundamentals
- Networking Fundamentals
- Networking Security
- System Administration
- TCP/IP Networking
- Text Editors in Unix-like OS

Check Point Courses:

- Check Point Deployment Administrator (suggested)
- Check Point Certified Security Administrator (recommended)

Programme

Module 1: Introduction to Troubleshooting

• Identify the principles of troubleshooting methodology.

• Understand how to use the OSI (Open Systems Interconnection) model for cause isolation.
• Identify resources available to troubleshoot Check Point Security Gateways and Security Management Servers that run on the Gaia operating system.
Lab Tasks
• Analyze Resources and Performance
• Analyze System Information with CPStat
• Analyze Statistical Data with CPView
• Collect CPInfo Output on the Security Management Server
• Collect CPInfo Output on the Security Gateway
• Analyze the CPInfo Output

Module 2: Traffic Monitoring Fundamentals

• Describe the functions of packet captures.
• Describe how logs and monitoring are used when troubleshooting.
• Investigate and troubleshoot potential traffic flow issues.
• Monitor network activity and performance.
Lab Tasks
• Analyze Logs
• Trace Rules and Craft Policy
• Test Policy and NAT Rules
• Examine Routing and State Logging

Module 3: Packet Capture Fundamentals

• Understand the impact of packet captures and packet capture limitations.
• Understand the use and limitations of four tools that can be used when capturing packets.
• Investigate and troubleshoot potential traffic flow issues using packet captures.
• Monitor network activity and performance using packet captures.
Lab Tasks
• Capture Traffic with the FW Monitor Expression Filter
• Capture Traffic with the FW Monitor Simple Filter
• Capture Traffic with the tcpdump Utility
• Capture Traffic with Check Point PCAP

Module 4: Packet Capture Analysis Using CLI

• Identify command line output formats for tcpdump, cppcap, fw monitor -e, and fw monitor -F.
• Identify cppcap flags and their impact on output verbosity.
• Understand how CPMonitor can be used during packet capture analysis.
• Analyze packet captures in CLI.
Lab Tasks
• Create Issues
• Troubleshoot Fundamental Traffic Issues
• Troubleshoot Policy Configuration Issues
• Troubleshoot Routing Issues
• Troubleshoot NAT Issues
• Restore the environment

Module 5: Packet Capture Analysis Using Wireshark

• Understand Wireshark coloring rules and the modifications you can make.
• Identify file saving methodology for captures being analyzed in Wireshark.
• Analyze packet captures in Wireshark.
Lab Tasks
• Configure Wireshark for use with Check Point
• Save Packet Captures
• Analyze FW Monitor Packet Captures in Wireshark
• Analyze Interface Packet Captures in Wireshark

Module 6: Check Point Processes Troubleshooting Processes Troubleshooting

• Demonstrate an understanding of user space, kernel space, and Check Point User Space Firewall processes.
• Investigate and troubleshoot process issues.
Lab Tasks
• Verify Process States
• Analyze Process Connectivity

Module 7: SmartConsole Troubleshooting

• Investigate and troubleshoot issues with Check Point SmartConsole.
Lab Tasks
• Activate the Bad Actor
• Troubleshoot SmartConsole Login Issues
• Restore the Environment

Module 8: Log Collection Troubleshooting

• Troubleshoot log collection issues and interrupted communications.
Lab Tasks
• Activate the Bad Actor
• Troubleshoot Gateway Log Connectivity
• Troubleshoot the Security Management Server Log Collection
• Restore the Environment

Module 9: Identity Awareness Troubleshooting

• Identify and use the appropriate troubleshooting commands/tools to resolve advanced Identity Awareness issues.
Lab Tasks
• Activate the Bad Actor
• Troubleshoot Identity Awareness
• Restore the Environment

Module 10: Application Control and URL Filtering Troubleshooting

• Investigate and troubleshoot Application Control and URL Filtering issues.
Lab Tasks
• Activate the Bad Actor
• Troubleshoot URL Filtering
• Restore the Environment

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).

Choose from the following Infinity Specialization courses:
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 Threat Prevention Specialist (CTPS)

Test and Certification

Certification Information
Prepare for exam #156-583 at www.vue.com/checkpoint
An exam voucher can be purchased at an additional charge – please contact us for further information.
Note: A valid or expired CCSA/CCSE certification is required to take the CCTA exam.
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.

Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
10 Dec 2026	Virtual Classroom	GMT	English	Instructor Led Online	Yes	~~£ 1,595.00~~ £1,435.50
14 Jan 2027	Virtual Classroom	GMT	English	Instructor Led Online		£1,595.00
11 Feb 2027	Virtual Classroom	GMT	English	Instructor Led Online		£1,595.00
11 Mar 2027	Virtual Classroom	GMT	English	Instructor Led Online		£1,595.00
08 Apr 2027	Virtual Classroom	BST	English	Instructor Led Online		£1,595.00
04 May 2027	Virtual Classroom	BST	English	Instructor Led Online		£1,595.00
01 Jun 2027	Virtual Classroom	BST	English	Instructor Led Online		£1,595.00
01 Jul 2027	Virtual Classroom	BST	English	Instructor Led Online		£1,595.00
29 Jul 2027	Virtual Classroom	BST	English	Instructor Led Online		£1,595.00
26 Aug 2027	Virtual Classroom	BST	English	Instructor Led Online		£1,595.00
23 Sep 2027	Virtual Classroom	BST	English	Instructor Led Online		£1,595.00
21 Oct 2027	Virtual Classroom	BST	English	Instructor Led Online		£1,595.00
18 Nov 2027	Virtual Classroom	GMT	English	Instructor Led Online		£1,595.00
16 Dec 2027	Virtual Classroom	GMT	English	Instructor Led Online		£1,595.00

Additional Information

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