



**Enterprise Computing Solutions - Education Services**

## **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 Security Expert (CCSE) R81.20 (includes 180 days' lab access)

CODE:	LENGTH:	PRICE:
CKT_CCSE_R81.XX	24 Hours (3 days)	£1,795.00

### Description

This core course covers the fundamentals needed to deploy, configure, and manage daily operations of Check Point Security Gateways and Management Software Blades that run on the Gaia operating system.

### Objectives

- Identify basic interfaces used to manage the Check Point environment.
- Identify the types of technologies that Check Point supports for automation.
- Explain the purpose of the Check Management High Availability (HA) deployment.
- Identify the workflow followed to deploy a Primary and solution Secondary servers.
- Explain the basic concepts of Clustering and ClusterXL, including protocols, synchronization, connection stickyness.
- Identify how to exclude services from synchronizing or delaying synchronization.
- Explain the policy installation flow.
- Explain the purpose of dynamic objects, updatable objects, and network feeds.
- Understand how to manage user access for internal and external users.
- Describe the Identity Awareness components and configurations.
- Describe different Check Point Threat Prevention solutions.
- Articulate how the Intrusion Prevention System is configured.
- Obtain knowledge about Check Point's IoT Protect.
- 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.
- Explain how to determine if the configuration is compliant with the best practices.
- Define performance tuning solutions and basic configuration workflow.
- Identify supported upgrade and migration methods and procedures for Security Management Servers and dedicated Log and SmartEvent Servers.
- Identify supported upgrade methods and procedures for Security Gateways.

## Audience

Technical Professionals who architect, upgrade, maintain, and support Check Point products.

## Prerequisites

CCSA Training or Certification, fundamental Unix and Windows knowledge, certificate management experience, system administration and networking knowledge.

## Programme

Topics:

- 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 Exercises:

- Navigating the Environment and Using the Management API
- Deploying Secondary Security Management Server
- Configuring a Dedicated Log Server
- Deploying SmartEvent
- Configuring a High Availability Security Gateway Cluster
- Working with ClusterXL
- Configuring Dynamic and Updateable Objects
- Verifying Accelerated Policy Installation and Monitoring Status
- Elevating Security with HTTPS Inspection
- Deploying Identity Awareness
- Customizing Threat Prevention
- Configuring a Site-to-Site VPN with an Interoperable Device

- Deploying Remote Access VPN
- Configuring Mobile Access VPN
- Monitoring Policy Compliance
- Reporting SmartEvent Statistics
- Tuning Security Gateway Performance

## Follow on courses

Follow on training: 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 exam #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/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

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
20 May 2024	Virtual Classroom	BST	English	Instructor Led Online		£ <del>1,795.00</del> £1,525.75
10 Jun 2024	Virtual Classroom	BST	English	Instructor Led Online		£ <del>1,795.00</del> £1,615.50
01 Jul 2024	Arrow ECS London c/o Imparando	BST	English	Classroom		£1,795.00
01 Jul 2024	Virtual Classroom	BST	English	Instructor Led Online		£1,795.00
29 Jul 2024	Virtual Classroom	BST	English	Instructor Led Online		£1,795.00
23 Sep 2024	Arrow ECS London c/o Imparando	BST	English	Classroom		£1,795.00
23 Sep 2024	Virtual Classroom	BST	English	Instructor Led Online		£1,795.00
14 Oct 2024	Virtual Classroom	BST	English	Instructor Led Online		£1,795.00
25 Nov 2024	Virtual Classroom	GMT	English	Instructor Led Online		£1,795.00
16 Dec 2024	Arrow ECS London c/o Imparando	GMT	English	Classroom		£1,795.00
16 Dec 2024	Virtual Classroom	GMT	English	Instructor Led Online		£1,795.00
15 Jul 2024	Virtual Classroom	BST	English	Instructor Led Online		£1,795.00
11 Nov 2024	Virtual Classroom	GMT	English	Instructor Led Online		£1,795.00
02 Sep 2024	Virtual Classroom	BST	English	Instructor Led Online		£1,795.00
17 Jun 2024	Virtual Classroom	BST	English	Instructor Led Online		£1,795.00
08 May 2024	Virtual Classroom	BST	English	Instructor Led Online		£ <del>1,795.00</del> £1,525.75

## Additional Information

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