



**Enterprise Computing Solutions - Education Services**

## **TRAINING OFFERING**

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**You can reach us at:**

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# Check Point Certified Cloud Network Security Expert for AWS (CNSE-AWS) R81.X

**CODE:**

CKT\_CNSEAWS\_R81.X

**LENGTH:**

16 Hours (2 days)

**PRICE:**

£1,595.00

**Description**

This course provides an understanding of the advanced concepts and skills necessary to deploy and manage CloudGuard Network and Cloud Security Posture Management security solution within AWS security environment.

**Objectives**

Course Objectives:

- Discuss AWS Platform Components and their relationship to Check Point CloudGuard Network Security.
- Explain how to maintain a secure, efficient, and stable cloud environment.
- Describe the components and constraints of a hub and spoke cloud security environment.
- Describe the function of the Cloud Management Extension
- Explain the purpose of identity and access controls and constraints in different cloud platforms.
- Explain the steps required to configure Identity and Access controls in AWS.
- Describe the purpose and function of the CloudGuard Controller, its processes, and how it is tied to the Identity Awareness feature.
- Explain how to design and configure Cloud Adaptive Policies.
- Discuss the purpose and function of Data Center Objects.
- Describe the function and advantages of Cloud Service Provider (CSP) automation templates for instance and resource deployments.
- Explain how CSP templates can be used for maintenance tasks in the cloud environment.
- Discuss Third-Party Automation tools, how they can simplify deployment and maintenance tasks, and the constraints associated with them.
- Discuss Scaling Solutions and Options for Cloud Environments.
- Explain the Scaling Options in AWS.
- Describe the workflow for configuring scaling solutions in AWS.
- Discuss how ClusterXL operates and what elements work together to permit traffic failover.
- Explain how ClusterXL functions differently in a Cloud Environment.
- Describe how clusters are created and function in AWS.
- Discuss the elements involved in Hybrid Data Center deployments, the advantages of them, and the constraints involved.

- Explain the nature of a "Greenfield" deployment, the advantages of it, and the constraints involved.
- Describe the components and constraint involved in deploying a Disaster
- Recovery Site in the cloud.
- Discuss the steps required for troubleshooting automation in AWS.
- Explain the steps required for troubleshooting Scaling Solution issues in AWS.
- Describe the steps required for troubleshooting clusters in AWS.

## Audience

Who should attend?

Cloud Architects, Security Experts, and Network Administrators requiring in depth knowledge on CloudGuard Network Security products.

## Prerequisites

Prerequisites:

- Working knowledge of Unix and Windows operating systems, Certificate management, System administration, and Networking.
- Completed CCSE Training or Certification.
- Completed CCCS Training or Certification.

## Programme

Exercises: • Create an SSH Key Pair. • Create a VPC. • Deploy an SMS. • Connect to SmartConsole. • Review the IAM Role. • Configure the Cloud Management Extension. • Configure the Access Control Policy. • Create the AWS Data Center Object. • Create Access Control Policy with a Data Center Object. • Create the AWS VPC Spokes. • Deploy the Web Servers into the Spoke VPCs. • Create the AWS Auto Scale Deployment. • Create the External and Internal Load Balancers. • Create the VPC for the Auto Scale Deployment. • Create the VPC Peers. • Deploy the CloudGuard Cluster Template. • Create the AWS VPN Gateway. • Configure the Tunnel Interfaces. • Configure the Static Routes. • Configure the Network Objects. • Configure the VPN Community. • Configure the Security Policy. • Test the Traffic. • Troubleshoot the CloudGuard Controller. • Debug the CloudGuard Controller. • Debug the Cloud Management Extension

## 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 \(CCVS\)](#)
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Check Point Certified Troubleshooting Expert (CCTE)



Check Point Certified Maestro Expert (CCME)

## Test and Certification

Prepare for exams #156-565 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
03 Jun 2024	Virtual Classroom	BST	English	Instructor Led Online		<del>£1,595.00</del> £1,435.50
07 Oct 2024	Virtual Classroom	BST	English	Instructor Led Online		£1,595.00
02 Dec 2024	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.](#)