



TRAINING OFFERING

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Check Point Certified Cloud Network Security Expert for Azure (CNSE-AZURE) R81.X

CODE:	LENGTH:	PRICE:
CKT_CNSEAZ_R81.X	16 Hours (2 days)	£1,595.00

Description

This course will be made end of life by Check Point on the 31st December 2024 and the content is now included in the Check Point Certified Cloud Specialist (CCCS) R81.20 course. If you do require this course before it is made end of life, please contact educationteam.ecs.uk@arrow.com or call 0870 251 1000 to discuss.

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 Azure security environment.

Objectives

- Discuss Azure 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 Azure.
- 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 Azure.
- Describe the workflow for configuring scaling solutions in Azure.
- 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 Azure.

- 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 Azure.
- Explain the steps required for troubleshooting Scaling Solution issues in Azure.
- Describe the steps required for troubleshooting clusters in Azure.

Exercises: • Deploy a Security Management Server. • Connect to SmartConsole.
 • Configure Azure Active Directory and the Service Principle. • Install the Cloud Management Extension.
 • Configure the Cloud Management Extension. • Configure the Access Control Policy. • Assign the Service Principle.
 • Create the CloudGuard Controller Object. • Configure Access Control Policy with a Data Center Object. • Deploy the Spoke vNets.
 • Create the Spoke Route Table. • Deploy Web Servers into the Spoke vNets. • Deploy the Virtual Machine Scale Set.
 • Assign the Service Principle to the VMSS Resource Group. • Enable Identity Awareness on the VMSS.
 • Create Load Balancer Rules. • Create vNet Peers. • Create Web Server Access Control policy.
 • Deploy the Azure High Availability Solution. • Create the Cluster Object. • Configure the vNet Peering.
 • Create the Internal User Defined Routes. • Create the Security Policy for Internal Traffic. • Test the Internal Traffic.
 • Troubleshoot the CloudGuard Controller. • Debugs the CloudGuard Controller. • Debug the Cloud Management Extension.

Audience

Who should attend?

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

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

Course Topics:

- Advanced Cloud Security
- Cloud Management
- Cloud Policy Design
- Advance Cloud Automation
- Scaling Solutions
- Clustering
- Use Cases
- Troubleshooting

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)
- Check Point Certified Troubleshooting Expert (CCTE)
- Check Point Certified Maestro Expert (CCME)

Test and Certification

Prepare for exams #156-566 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.](#)