



TRAINING OFFERING

You can reach us at:

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

Email: educationteam.ecs.uk@arrow.com

Phone: 0870 251 1000



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 has been made end of life by Check Point and the content is now included in the [Check Point Certified Cloud Specialist \(CCCS\) R81.20](#) course. Please contact educationteam.ecs.uk@arrow.com or call 0870 251 1000 for more details."

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.](#)