



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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**You can reach us at:**

Arrow ECS B.V., Kromme Schaft 5, 3991 AR Houten, The Netherlands

Email: [education.ecs.nl@arrow.com](mailto:education.ecs.nl@arrow.com)

Phone: +31 20 582 6109



# Check Point Cloud Network Security Expert for Azure R81.X

CODE:	LENGTH:	PRICE:
CKT_CNSEAZ_R81.X	16 Hours (2 days)	€1,650.00

## Description

Learn advanced concepts and develop skills needed to design and administer CloudGuard Network Security Environments.

## 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

## Audience

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 CCCS Training or Certification. Completed CCSE Training or Certification.

## Programme

- 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

## **Session Dates**

On request. Please [contact us](#)

## **Additional Information**

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