

Szkolenie: Check Point Cloud Network Security Expert for AWS (CNSE - AWS)



Cel szkolenia:

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

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 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.

WHO SHOULD ATTEND?

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

Plan szkolenia:

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

Wymagania:

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

Poziom trudności



Certyfikaty:

The participants will obtain certificates signed by Check Point Software Technologies Ltd. (course completion).

This course additionally helps prepare for CNSE-AWS [#156-565](#) certification exam available at Pearson VUE test centers.

Prowadzący:

Authorized Check Point Software Technologies Ltd. Trainer