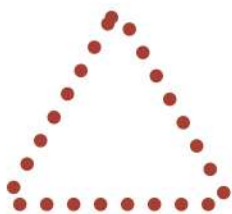
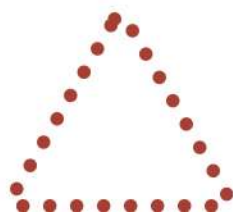


Check Point Certified Cloud Network Security Expert for AWS



Online Course

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Course Modules

1. OBJECTIVES

- AWS Platform Components and their relationship to Check Point
- How to maintain a secure, efficient, & stable cloud environment.
- Components and constraints of a hub and spoke security envrmt.
- Describe the function of the Cloud Management Extension.
- Purpose of identity and access ctrls & constraints in diff't cloud
- Steps required to configure Identity and Access controls in AWS.
- Describe the purpose and function of the CloudGuard Controller
- Explain how to design and configure Cloud Adaptive Policies.
- Discuss the purpose and function of Data Center Objects.
- The function and advantages of Cloud Service Provider (CSP)
- Explain how CSP templates can be used for maintenance tasks i
- Third-Party Automation tools, how they can simplify deployment
- 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.
- How ClusterXL operates and what elements work together
- How ClusterXL functions differently in a Cloud Environment.



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- Describe how clusters are created and function in AWS.
- Elements involved in Hybrid Data Center deployments, the advantages
- Explain the nature of a “Greenfield” deployment, the advantages
- Components & constraint involved in deploying a Disaster Recovery
- Discuss the steps required for troubleshooting automation in AWS.
- Explain the steps required for troubleshooting Scaling Solution issues
- Describe the steps required for troubleshooting clusters in AWS.

2. 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.



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- 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

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