

Check Point Certified Cloud Network Security Expert for Azure



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Online Course

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Course Modules

1. OBJECTIVES

- Discuss Azure Platform Components and their relationship
- How to maintain a secure, efficient, & stable cloud environment.
- Components and constraints of a hub & spoke cloud security .
- Describe the function of the Cloud Management Extension
- Explain the purpose of identity and access controls & constraints
- Steps required to configure Identity & Access controls in Azure.
- 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.
- Describe the function & advantages of (CSP) automation templates
- Explain how CSP templates can be used for maintenance tasks
- Third-Party Automation tools, how they can simplify deployment
- Discuss Scaling Solutions and Options for Cloud Environments.
- Explain the Scaling Options in Azure.
- Describe the workflow for configuring scaling solutions in Azure.
- How ClusterXL operates and what elements work together
- How ClusterXL functions differently in a Cloud Environment.
- Describe how clusters are created and function in Azure.



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- Discuss the elements involved in Hybrid Data Center deployments
- Explain the nature of a “Greenfield” deployment, the advantages
- 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 Soln issues
- Describe the steps required for troubleshooting clusters in Azure

2. EXERCISES

- Deploy a Security Management Server.
- Connect to Smart Console.
- 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.



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- 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

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in terms of time management,
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**For contact: +91 8680961847
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