



AZ-300^{Q&As}

Microsoft Azure Architect Technologies

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QUESTION 1

HOTSPOT

You have an Azure subscription named Subscription1 that contains a virtual network named VNet1. You add the users in the following table.

User	Role
User1	Owner
User2	Security Admin
User3	Network Contributor

Which user can perform each configuration? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Add a subnet to VNet1:

User1 only
User2 only
User3 only
User1 and User2 only
User1 and User3 only
User2 and User3 only
User1, User2, and User3

Assign a user the Reader role to VNet1:

User1 only
User2 only
User3 only
User1 and User2 only
User1 and User3 only
User2 and User3 only
User1, User2, and User3

Correct Answer:



Answer Area

Add a subnet to VNet1:

User1 only
User2 only
User3 only
User1 and User2 only
User1 and User3 only
User2 and User3 only
User1, User2, and User3

Assign a user the Reader role to VNet1:

User1 only
User2 only
User3 only
User1 and User2 only
User1 and User3 only
User2 and User3 only
User1, User2, and User3

Box 1: User1 and User3 only.

The Owner Role lets you manage everything, including access to resources.

The Network Contributor role lets you manage networks, but not access to them.

Box 2: User1 and User2 only

The Security Admin role: In Security Center only: Can view security policies, view security states, edit security policies, view alerts and recommendations, dismiss alerts and recommendations.

References:

<https://docs.microsoft.com/en-us/azure/role-based-access-control/built-in-roles>

QUESTION 2

You have an Azure subscription named Subscription1. Subscription1 contains the virtual machines in the following table.



You have an Azure subscription named Subscription1. Subscription1 contains the virtual machines in the following table.

Name	IP address
VM1	10.0.1.4
VM2	10.0.2.4
VM3	10.0.3.4

Subscription1 contains a virtual network VNet1 that has the subnets in the following table.

Name	Address space	Connected virtual machine
Subnet1	10.0.1.0/24	VM1
Subnet2	10.0.2.0/24	VM2
Subnet3	10.0.3.0/24	VM3

VM3 has multiple network adapters, including a network adapter named NIC3. IP forwarding is enabled on NIC3. Routing is enabled on VM3. You create a route table

Address prefix	Next hop type	Next hop address
10.0.1.0/24	Virtual appliance	10.0.3.4
10.0.2.0/24	Virtual appliance	10.0.3.4

You create a route table named RT1. RT1 is associated to Subnet1 and Subnet2 and contains the routes in the following table.

You apply RT1 to Subnet1

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Statements	Yes	No
Network traffic from VM3 can reach VM1.	<input type="radio"/>	<input type="radio"/>
If VM3 is turned off, network traffic from VM2 can reach VM1.	<input type="radio"/>	<input type="radio"/>
Network traffic from VM1 can reach VM2.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

Statements	Yes	No
Network traffic from VM3 can reach VM1.	<input checked="" type="radio"/>	<input type="radio"/>
If VM3 is turned off, network traffic from VM2 can reach VM1.	<input type="radio"/>	<input checked="" type="radio"/>
Network traffic from VM1 can reach VM2.	<input type="radio"/>	<input checked="" type="radio"/>

QUESTION 3

You are designing an Azure solution.

The solution must meet the following requirements:



Distribute traffic to different pools of dedicated virtual machines (VMs) based on rules

Provide SSL offloading capabilities

You need to recommend a solution to distribute network traffic.

Which technology should you recommend?

- A. server-level firewall rules
- B. Azure Application Gateway
- C. Azure Traffic Manager
- D. Azure Load Balancer

Correct Answer: B

If you require "SSL offloading", application layer treatment, or wish to delegate certificate management to Azure, you should use Azure's layer 7 load balancer Application Gateway instead of the Load Balancer. Incorrect Answers:

D: Because Load Balancer is agnostic to the TCP payload and TLS offload ("SSL") is not provided. References: <https://docs.microsoft.com/en-us/azure/application-gateway/overview>

QUESTION 4

You have an Azure subscription that contains an Azure Service Fabric cluster and a Service Fabric application named FabricApp.

You develop and package a Service Fabric application named AppPackage. AppPackage is saved in a compressed folder named AppPackage.zip.

You upload AppPackage.zip to an external store.

You need to register AppPackage in the Azure subscription.

What should you do first?

- A. Run the New-ServiceFabricApplication cmdlet.
- B. Repackage the application in a file named App.sfpkg.
- C. Create a new Service Fabric cluster.
- D. Copy AppPackage.zip to a blob storage account.

Correct Answer: B

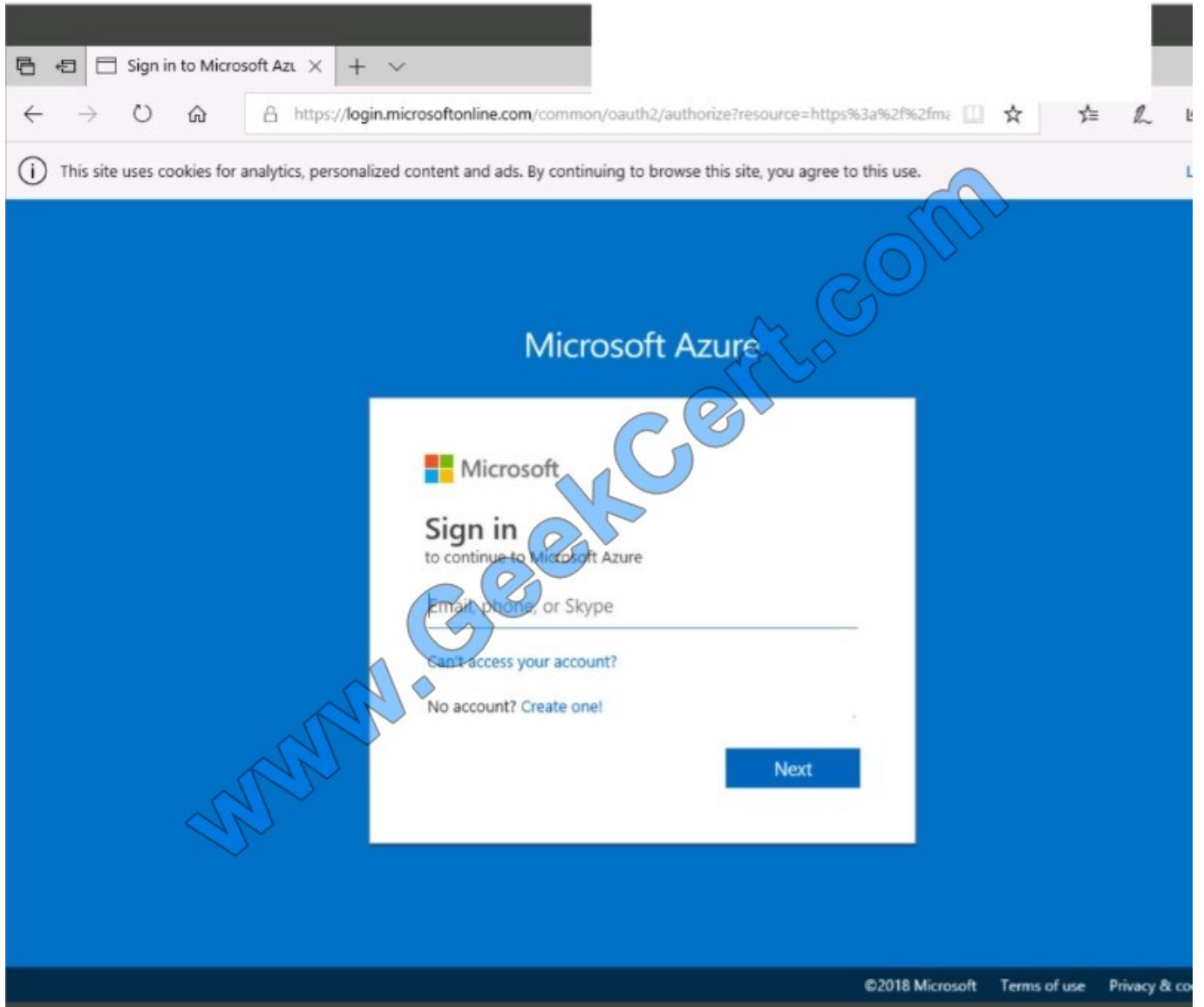
References: <https://docs.microsoft.com/en-us/azure/service-fabric/service-fabric-package-apps#create-an-sfpkg>

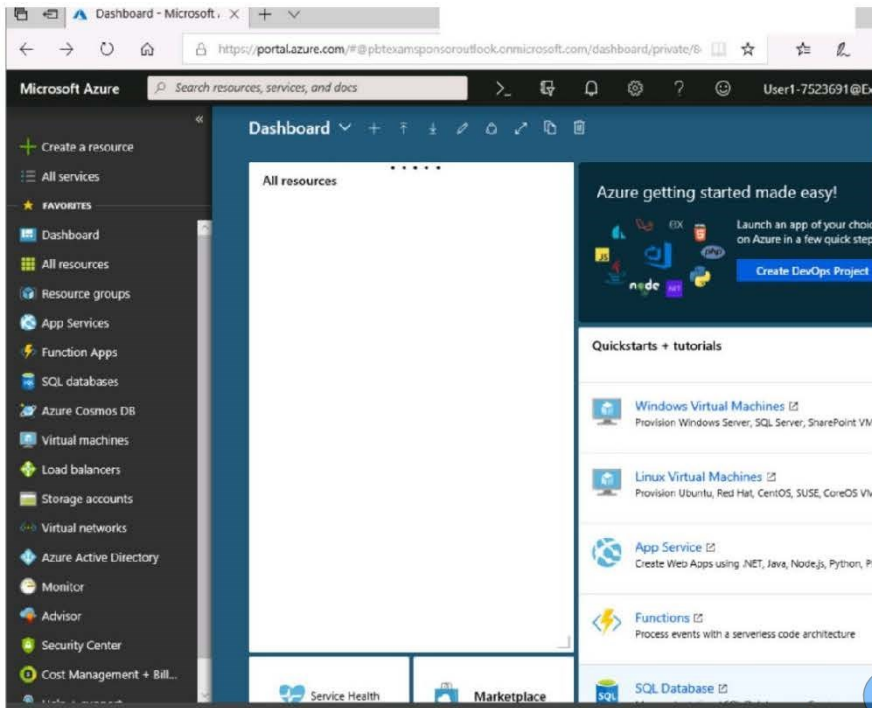
QUESTION 5

SIMULATION



Click to expand each objective. To connect to the Azure portal, type <https://portal.azure.com> in the browser address bar.





Home > Storage accounts > Create storage account

Create storage account

✓ Validation passed

Basics Advanced Tags Review + create

BASICS

Subscription	Microsoft AZ-100 5
Resource group	corpdata1od7523690
Location	East US
Storage account name	corpdata7523690h1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

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Home > Storage accounts > Create storage account

Create storage account

*** Submitting deployment...
Submitting the deployment template for resource 'corpdatalod7523690'.

Basics Advanced Tags Review + create

BASICS

Subscription	Microsoft AZ-100 5
Resource group	corpdatalod7523690
Location	East US
Storage account name	corpdata7523690n1
Deployment model	Resource manager
Account kind	StorageV2 (general purpose v2)
Replication	Read-access geo-redundant storage (RA-GRS)
Performance	Standard
Access tier (default)	Hot

ADVANCED

Secure transfer required	Enabled
Hierarchical namespace	Disabled

Home > Microsoft.StorageAccount-20181011170335 - Overview

Microsoft.StorageAccount-20181011170335 - Overview

Deployment

Search (Ctrl+F) Delete Cancel Redeploy Refresh

Overview Outputs Inputs Template

*** Your deployment is underway

Check the status of your deployment, manage resources, or troubleshoot deployment issues. Pin this page to your dashboard to easily find it next time.

Deployment name: Microsoft.StorageAccount-20181011170335
Subscription: Microsoft AZ-100 5
Resource group: corpdatalod7523690

DEPLOYMENT DETAILS (Download)

Start time: 10/11/2018 5:04:06 PM
Duration: 17 seconds
Correlation ID: bd0806a4-d1bd-42db-be6b-55e0ec38f49b

RESOURCE	TYPE	STATUS	OPERATI...
No results.			

Home > Virtual machines > Create a virtual machine

Create a virtual machine

! Validation failed. Required information is missing or not valid.

Basics **Disks** Networking Management Guest config Tags Review + create

PRODUCT DETAILS

<p>Ubuntu Server 18.04 LTS by Canonical Terms of use Privacy policy</p> <p>Standard D2s v3 by Microsoft Terms of use Privacy policy</p> <p>TERMS</p> <p>By clicking "Create", I (a) agree to the legal terms and privacy statement(s) associated with the Marketplace offering(s) listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), with the same billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and other transactional activities. Microsoft does not provide rights for third-party offerings. See the Azure Marketplace Terms for additional details.</p>	<p>Pricing not available for this offering View Pricing details for more information.</p> <p>Subscription credits apply </p> <p>0.0960 USD/hr Pricing for other VM sizes</p>
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When you are finished performing all the tasks, click the `Next` button.

Note that you cannot return to the lab once you click the `Next` button. Scoring occurs in the background while you complete the rest of the exam.

Overview The following section of the exam is a lab. In this section, you will perform a set of tasks in a live environment. While most functionality will be available to you as it would be in a live environment, some functionality (e.g., copy and paste, ability to navigate to external websites) will not be possible by design.

Scoring is based on the outcome of performing the tasks stated in the lab. In other words, it doesn't matter how you accomplish the task, if you successfully perform it, you will earn credit for that task.

Labs are not timed separately, and this exam may have more than one lab that you must complete. You can use as much time as you would like to complete each lab. But, you should manage your time appropriately to ensure that you are able to complete the lab(s) and all other sections of the exam in the time provided.

Please note that once you submit your work by clicking the Next button within a lab, you will NOT be able to return to the lab.

To start the lab

You may start the lab by clicking the Next button.

You plan to host several secured websites on Web01.

You need to allow HTTPS over TCP port 443 to Web01 and to prevent HTTP over TCP port 80 to Web01.

What should you do from the Azure portal?

Correct Answer: See below.

You can filter network traffic to and from Azure resources in an Azure virtual network with a network security group. A network security group contains security rules that allow or deny inbound network traffic to, or outbound network traffic from,

several types of Azure resources.

A network security group contains security rules that allow or deny inbound network traffic to, or outbound network traffic from, several types of Azure resources.

A2. Select Create.



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Step A: Create a network security group

A1. Search for and select the resource group for the VM, choose Add, then search for and select Network security group.

The Create network security group window opens.

A3. Create a network security group

Enter a name for your network security group.

Select or create a resource group, then select a location.

A4. Select Create to create the network security group.

Step B: Create an inbound security rule to allows HTTPS over TCP port 443

B1. Select your new network security group.

B2. Select Inbound security rules, then select Add.

B3. Add inbound rule

B4. Select Advanced.

From the drop-down menu, select HTTPS.

You can also verify by clicking Custom and selecting TCP port, and 443.

B5. Select Add to create the rule.

Repeat step B2-B5 to deny TCP port 80

B6. Select Inbound security rules, then select Add.



B7. Add inbound rule

B8. Select Advanced.

Clicking Custom and selecting TCP port, and 80.

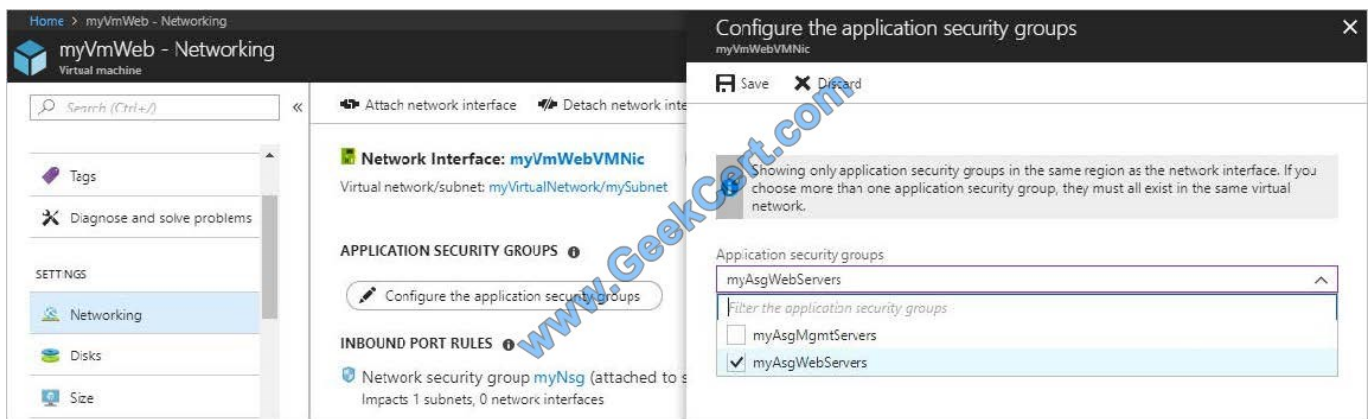
B9. Select Deny.

Step C: Associate your network security group with a subnet

Your final step is to associate your network security group with a subnet or a specific network interface.

C1. In the Search resources, services, and docs box at the top of the portal, begin typing Web01. When the Web01 VM appears in the search results, select it.

C2. Under SETTINGS, select Networking. Select Configure the application security groups, select the Security Group you created in Step A, and then select Save, as shown in the following picture:



References: <https://docs.microsoft.com/en-us/azure/virtual-network/tutorial-filter-network-traffic>

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