AZ-103 Q&As

Microsoft Azure Administrator

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QUESTION 1

You deploy an Azure Application Gateway.

You need to ensure that all the traffic requesting https://adatum.com/internal resources is directed to an internal server pool and all the traffic requesting https://adatum.com/external resources is directed to an external server pool.

What should you configure on the Application Gateway?

A. URL path-based routing

B. multi-site listeners

C. basic routing D. SSL termination

Correct Answer: A

QUESTION 2

You have an Azure App Service plan that hosts an Azure App Service named App1. You configure one production slot and four staging slots for App1. You need to allocate 10 percent of the traffic to each staging slot and 60 percent of the

traffic to the production slot.

What should you add to Appl1?

A. slots to the Testing in production blade

B. a performance test

C. a WebJob

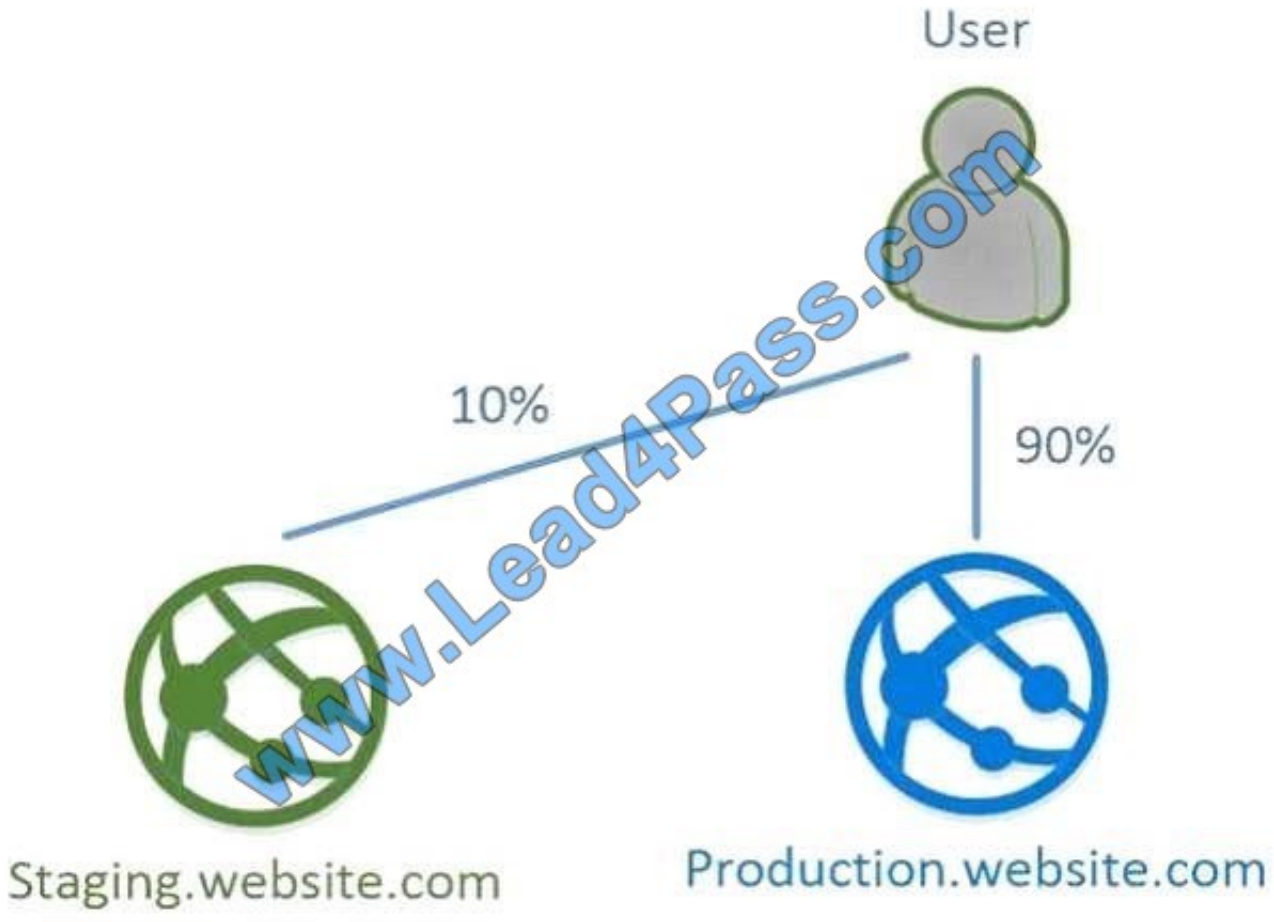
D. templates to the Automation script blade

Correct Answer: A

Besides swapping, deployment slots offer another killer feature: testing in production. Just like the name suggests, using this, you can actually test in production. This means that you can route a specific percentage of user traffic to one or

more of your deployment slots.

Example:



References: https://stackify.com/azure-deployment-slots/

QUESTION 3

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while

others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You manage a virtual network named VNet1 that is hosted in the West US Azure region. VNet1 hosts two virtual machines named VM1 and VM2 that run Windows Server. You need to inspect all the network traffic from VM1 to VM2 for a

period of three hours. Solution: From Azure Monitor, you create a metric on Network In and Network Out.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

You should use Azure Network Watcher.

References: https://docs.microsoft.com/en-us/azure/network-watcher/network-watcher-monitoring-overview

QUESTION 4

You have an Azure subscription that contains the resources in the following table.

Name	Type	Details
VNet1	Virtual network	*Not applicable*
Subnet1	Subnet	Hosted on VNet1
VM1	Virtual machine	On Subnet1
VM2	Virtual machine	On Subnet1

VM1 and VM2 are deployed from the same template and host line-of-business applications accessed by using Remote Desktop. You configure the network security group (NSG) shown in the exhibit.

(Click the Exhibit button.)

You need to prevent users of VM1 and VM2 from accessing websites on the Internet.

What should you do?

A. Associate the NSG to Subnet1.

B. Disassociate the NSG from a network interface.

C. Change the DenyWebSites outbound security rule.

D. Change the Port_80 inbound security rule.

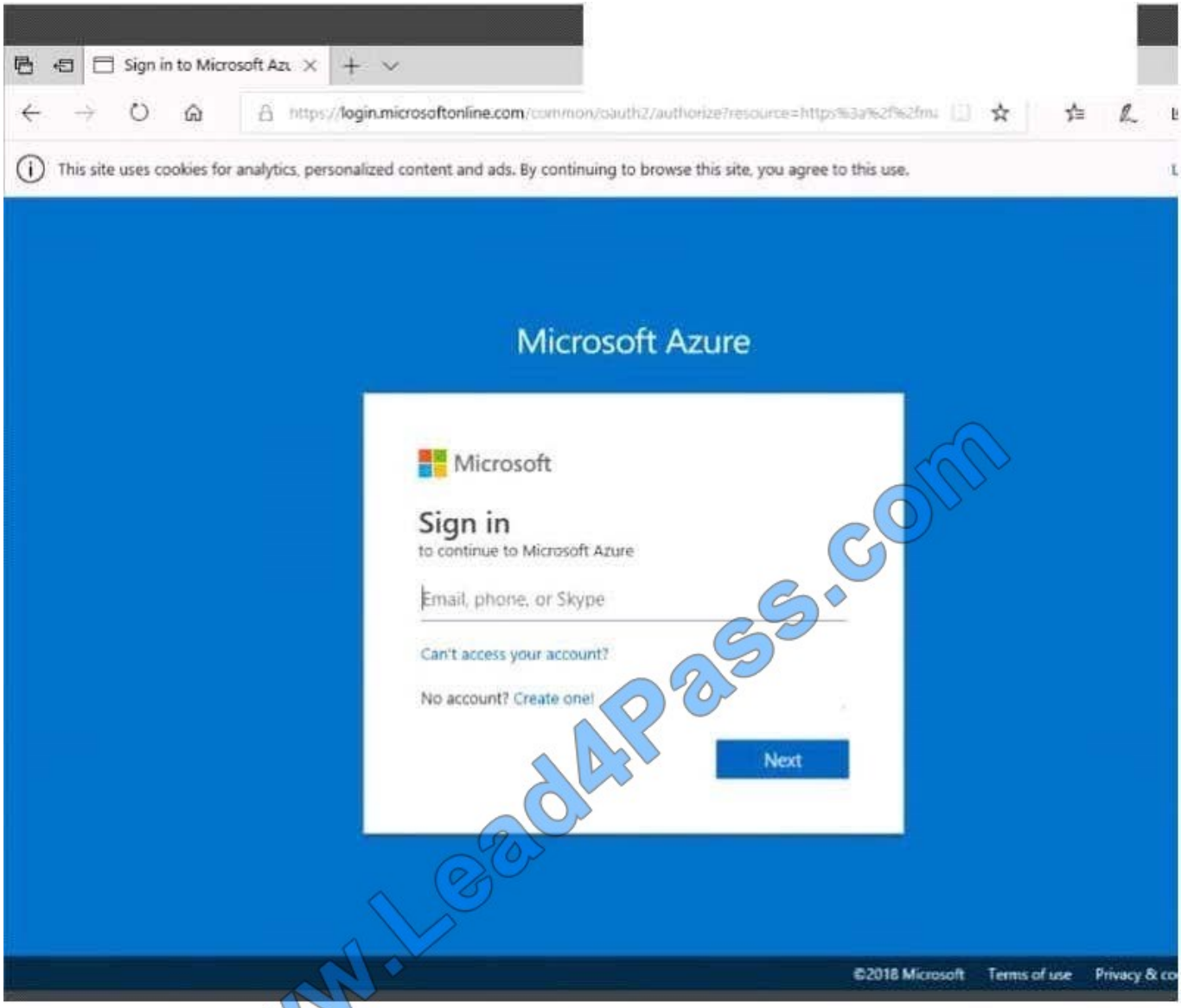
Correct Answer: A

You can associate or dissociate a network security group from a network interface or subnet. The NSG has the appropriate rule to block users from accessing the Internet. We just need to associate it with Subnet1.

References: https://docs.microsoft.com/en-us/azure/virtual-network/manage-network-security-group

QUESTION 5

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



Instructions | Comments | Controls Available | Keyboard Shortcuts Available

Tasks

Click to expand each objective

− Configure servers

☐ Add the "Print and Document Services" role to server LON-SVR1, installing any required management features and enabling both Print and LPD Services

+ Configure file and share access

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 occur 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 configure VM1 to be accessible from the Internet.

You need to add a public IP address to the network interface used by VM1.

What should you do from Azure portal?

A. Answer: See solution below.

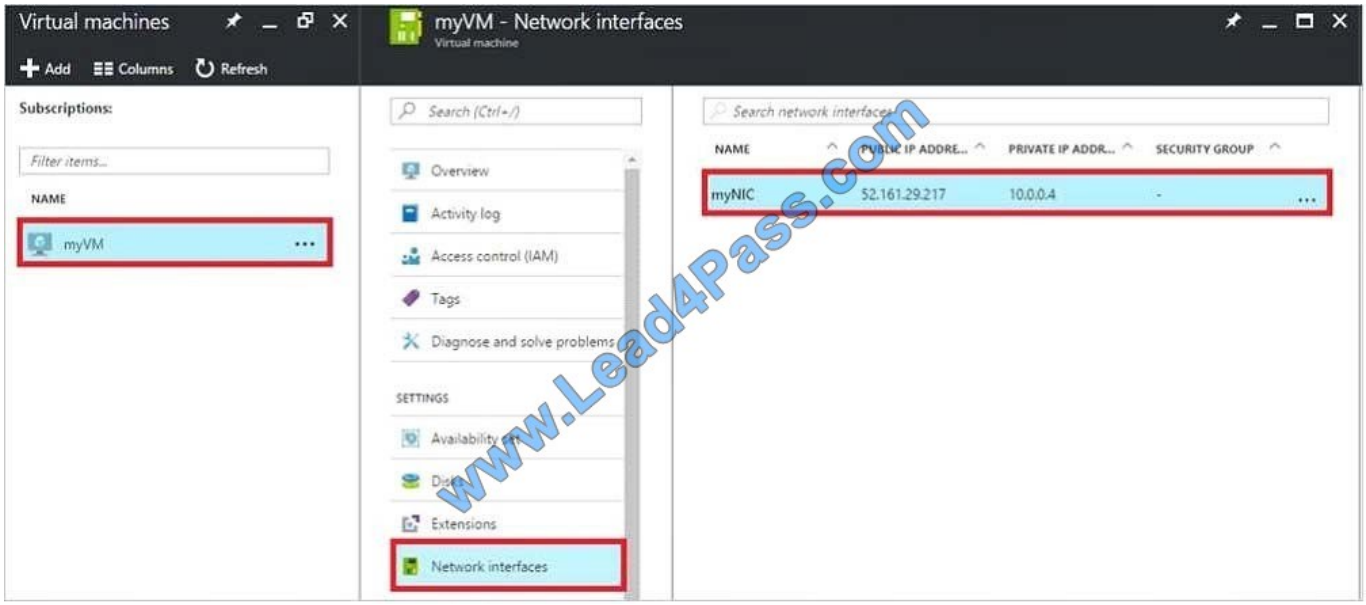
Correct Answer: A

You can add private and public IP addresses to an Azure network interface by completing the steps that follow.

Step 1: In Azure portal, click More services > type virtual machines in the filter box, and then click Virtual machines.

Step 2: In the Virtual machines pane, click the VM you want to add IP addresses to. Click Network interfaces in the virtual machine pane that appears, and then select the network interface you want to add the IP addresses to. In the example

shown in the following picture, the NIC named myNIC from the VM named myVM is selected:



Step 3: In the pane that appears for the NIC you selected, click IP configurations. Step 4: Click Create public IP address.

Step 5: In the Create public IP address pane that appears, enter a Name, select an IP address assignment type, a Subscription, a Resource group, and a Location, then click Create, as shown in the following picture: References: https://docs.microsoft.com/en-us/azure/virtual-network/virtual-network-multiple-ip- addresses-portal

QUESTION 6

You need to implement a backup solution for App1 after the application is moved. What should you create first?

A. a recovery plan

B. an Azure Backup Server

C. a backup policy

D. a Recovery Services vault

Correct Answer: D

A Recovery Services vault is a logical container that stores the backup data for each protected resource, such as Azure VMs. When the backup job for a protected resource runs, it creates a recovery point inside the Recovery Services vault.

Scenario:

There are three application tiers, each with five virtual machines.

Move all the virtual machines for App1 to Azure.

Ensure that all the virtual machines for App1 are protected by backups.

References: https://docs.microsoft.com/en-us/azure/backup/quick-backup-vm-portal

QUESTION 7

You have an Azure subscription named Subcription1 that contains a virtual network named VNet1.

VNet1 is in a resource group named RG1.

Subscription1 has a user named User1. User1 has the following roles:

Reader

Security Admin

Security Reader

You need to ensure that User1 can assign the Reader role for VNet1 to other users.

What should you do?

A. Remove Used from the Security Reader and Reader roles for Subscription"). Assign User1 the Contributor role for Subcription1.

B. Assign User1 the Owner role for VNet1

C. Remove User1 from the Security Reader and Reader roles for Subscription.

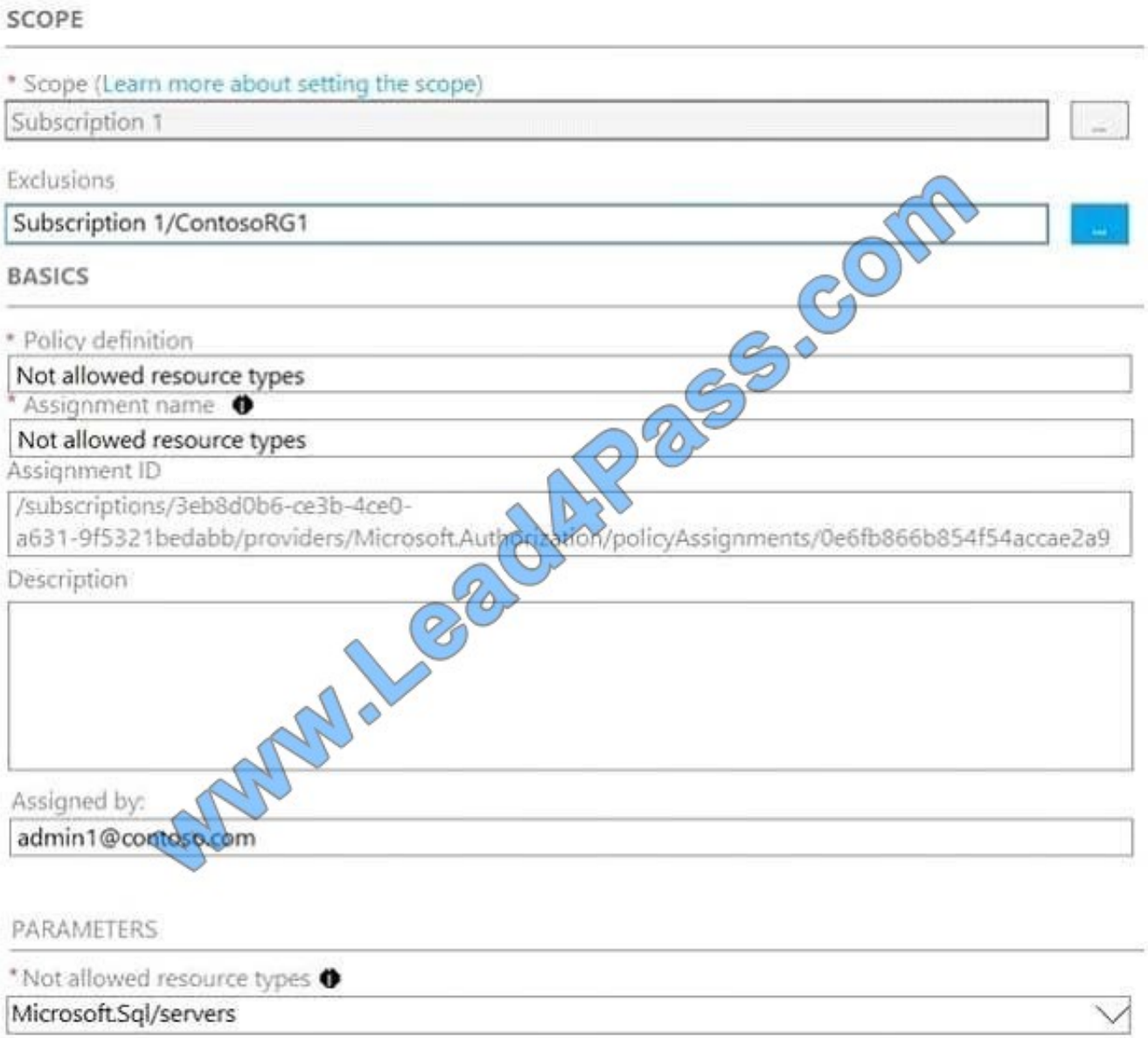
D. Assign User1 the Network Contributor role for VNet1.

Correct Answer: B

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

QUESTION 8

You have an Azure policy as shown in the following exhibit.



Which of the following statements are true?

A. You can create Azure SQL servers in ContosoRG1.

B. You are prevented from creating Azure SQL servers anywhere in Subscription 1.

C. You are prevented from creating Azure SQL Servers in ContosoRG1 only.

D. You can create Azure SQL servers in any resource group within Subscription 1.

Correct Answer: A

You are prevented from creating Azure SQL servers anywhere in Subscription 1 with the exception of ContosoRG1

QUESTION 9

You have an Azure subscription.

You plan to use Azure Resource Manager templates to deploy 50 Azure virtual machines that will be part of the same availability set.

You need to ensure that as many virtual machines as possible are available if the fabric fails or during servicing.

How should you configure the template? To answer, select the appropriate options in the answer area;

NOTE: Each correct selection is worth one point.

Select two alternatives below.

A. platformFaultDomainCount: 0

B. platformFaultDomainCount: 1

C. platformFaultDomainCount: 2

D. platformFaultDomainCount: 3

E. platformFaultDomainCount: 4

F. platformUpdateDomainCount: 10

G. platformUpdateDomainCount: 20

H. platformUpdateDomainCount: 25

I. platformUpdateDomainCount: 30

J. platformUpdateDomainCount: 40

K. platformUpdateDomainCount: 50

Correct Answer: CG

Use two fault domains.

2 or 3 is max, depending on which region you are in.

Use 20 for platformUpdateDomainCount

Increasing the update domain (platformUpdateDomainCount) helps with capacity and availability planning when the platform reboots nodes. A higher number for the pool (20 is max) means that fewer of their nodes in any given availability set

would be rebooted at once.

References:

https://www.itprotoday.com/microsoft-azure/check-if-azure-region-supports-2-or-3-fault-domains- managed-disks

https://github.com/Azure/acs-engine/issues/1030

QUESTION 10

You create an Azure Storage account named contosostorage.

You plan to create a file share named data;

Users need to map a drive to the data file share from home computers that run Windows 10. Which port should be open between the home computers and the data file share?

A. 80

B. 443

C. 445

D. 3389

Correct Answer: C

Ensure port 445 is open: The SMB protocol requires TCP port 445 to be open; connections will fail if port 445 is blocked.

References: https://docs.microsoft.com/en-us/azure/storage/files/storage-how-to-use-files-windows

QUESTION 11

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while

others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not

appear in the review screen.

You have an Azure subscription that contains 10 virtual networks. The virtual networks are hosted in separate resource groups.

Another administrator plans to create several network security groups (NSGs) in the subscription. You need to ensure that when an NSG is created, it automatically blocks TCP port 8080 between the virtual networks.

Solution: You configure a custom policy definition, and then you assign the policy to the subscription.

Does this meet the goal?

A. Yes

B. No

Correct Answer: A

Resource policy definition used by Azure Policy enables you to establish conventions for resources in your organization by describing when the policy is enforced and what effect to take. By defining conventions, you can control costs and more easily manage your resources.

References: https://docs.microsoft.com/en-us/azure/azure-policy/policy-definition

QUESTION 12

You are building a custom Azure function app to connect to Azure Event Grid. You need to ensure that resources are allocated dynamically to the function app.

Billing must be based on the executions of the app.

What should you configure when you create the function app?

A. the Windows operating system and the Consumption plan hosting plan

B. the Windows operating system and the App Service plan hosting plan

C. the Docker container and an App Service plan that uses the Bl1 pricing tier

D. the Docker container and an App Service plan that uses the SI pricing

Correct Answer: A

Azure Functions runs in two different modes: Consumption plan and Azure App Service plan. The Consumption plan automatically allocates compute power when your code is running. Your app is scaled out when needed to handle load, and

scaled down when code is not running.

Incorrect Answers:

B: When you run in an App Service plan, you must manage the scaling of your function app.

References: https://docs.microsoft.com/en-us/azure/azure-functions/functions-create-first-azure-function

QUESTION 13

You have an Azure subscription that contains three virtual networks named VNet1, VNet2, VNet3.

VNet2 contains a virtual appliance named VM2 that operates as a router. You are configuring the virtual networks in a hub and spoke topology that uses VNet2 as the hub network.

You plan to configure peering between VNet1 and VNet2 and between VNet2 and VNet3. You need to provide connectivity between VNet1 and VNet3 through VNet2.

Which two configurations should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. On the peering connections, allow forwarded traffic.

B. On the peering connections, allow gateway transit.

C. Create route tables and assign the table to subnets.

D. Create a route filter.

E. On the peering connections, use remote gateways.

Correct Answer: BE

Allow gateway transit: Check this box if you have a virtual network gateway attached to this virtual network and want to allow traffic from the peered virtual network to flow through the gateway. The peered virtual network must have the Use

remote gateways checkbox checked when setting up the peering from the other virtual network to this virtual network.

References:

https://docs.microsoft.com/en-us/azure/virtual-network/virtual-network-manage- peering#requirements-and-constraints

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