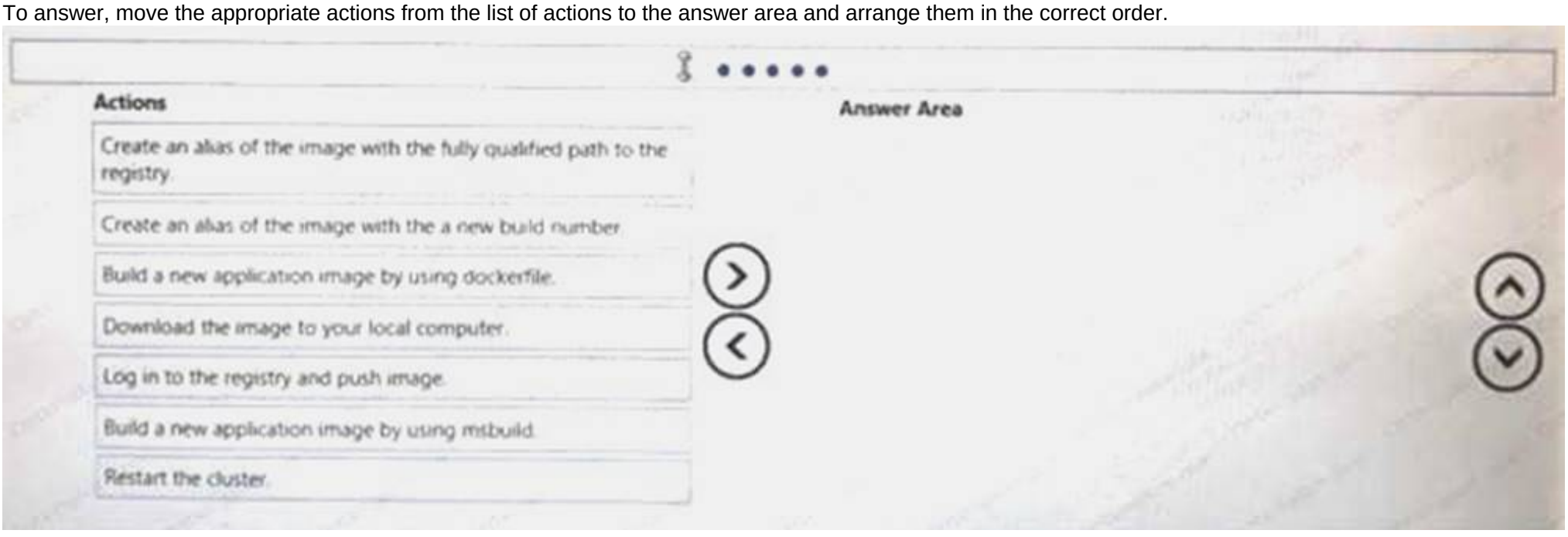
Microsoft

Exam Questions AZ-300

Microsoft Azure Architect Technologies

NEW QUESTION 1
You need to deploy a new version of the Label Maker application. Which three actions should you perform in sequence?
To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.



Answer:

Explanation: Create an alias of the image with fully qualified path to the registry Log in to the registry and push image
Restart the cluster.

NEW QUESTION 2
You need to meet the scaling requirements for Policy Service. What should you store in Azure Redis Cache?

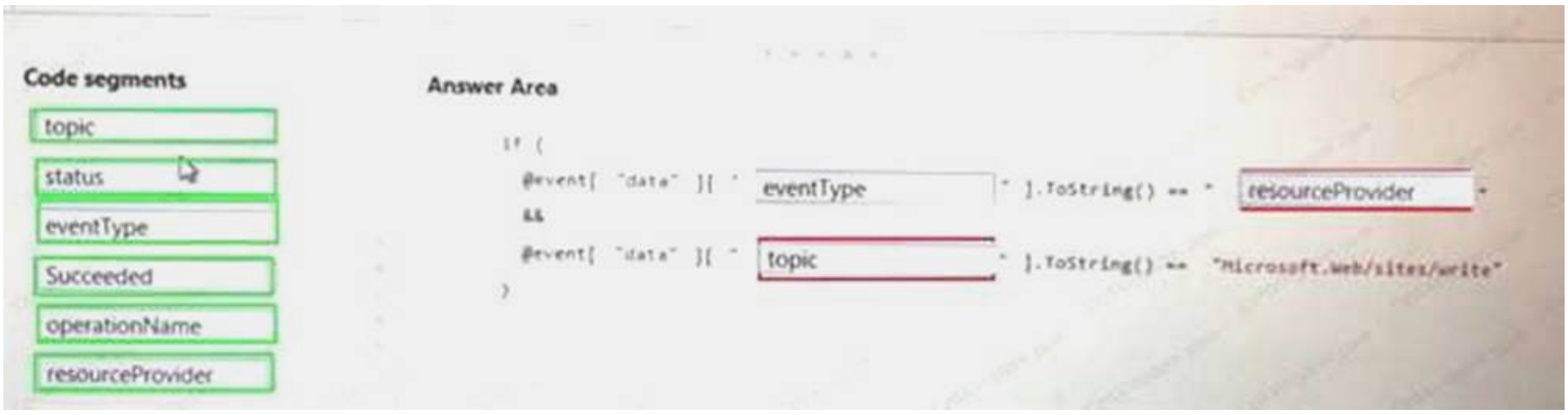
A. ViewState
B. HttpContext.tems
C. Session state
D. TempData

Answer: B

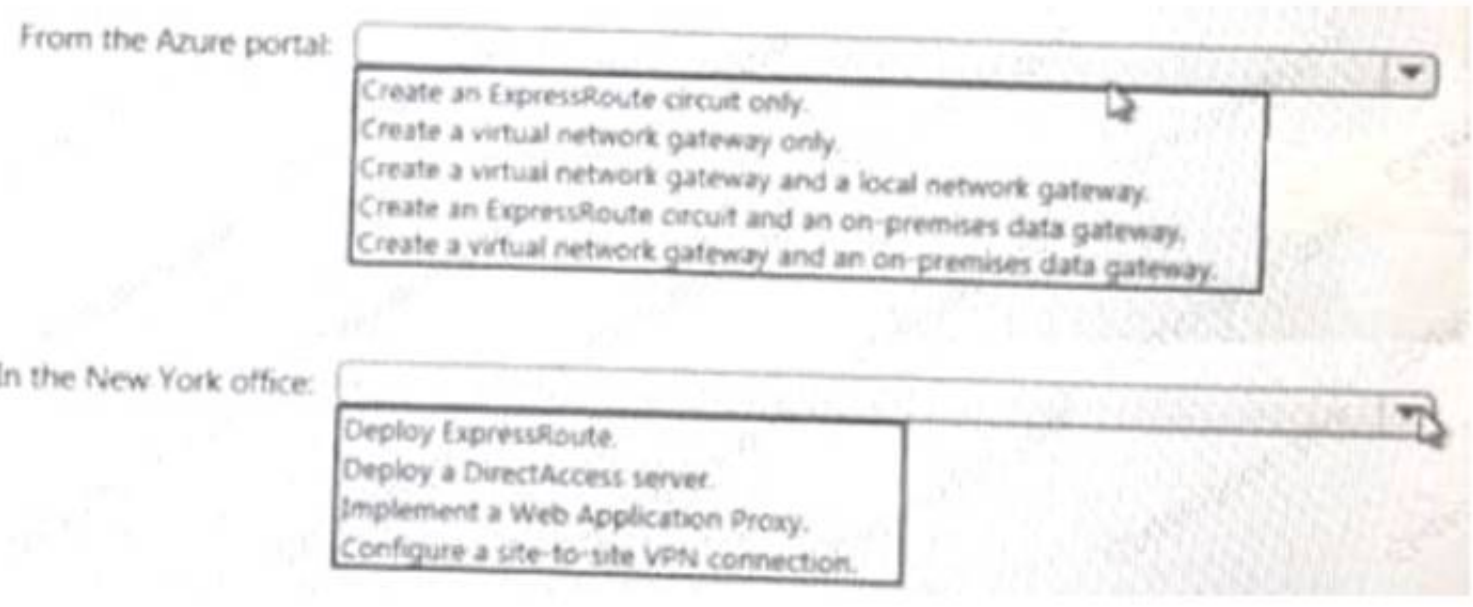
NEW QUESTION 3
You need to add code at line EG15 in EventGndControllef.es to ensure that the tag policy applies to all services.
How should you complete the code? To answer, drag the appropriate code segments to the correct locations. Each code segment may be used once, more than once, or not at all. You may need to drag the Split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.

Answer:

Explanation:

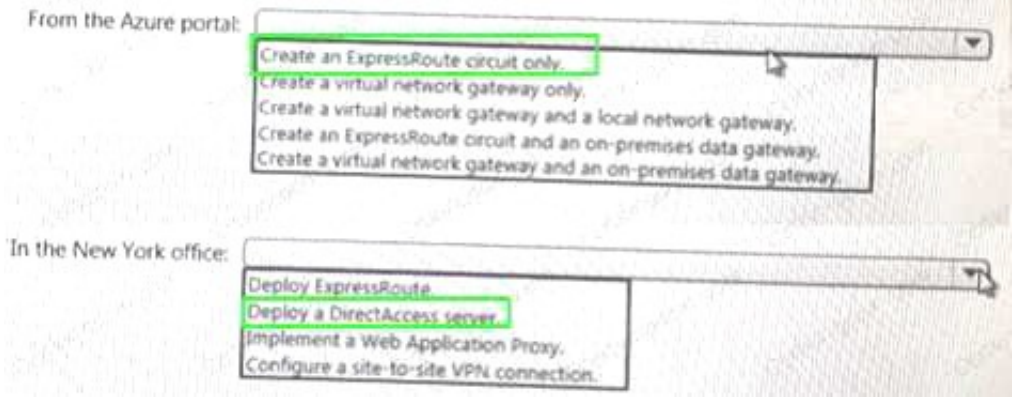


NEW QUESTION 4
You need to meet the connection requirements for the New York office.
What should you do? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.



Answer:

Explanation:



Topic 4, Case Study: 4
Overview
Existing Environment
A . Datum Corporation is a financial company that has two main offices in New York and Los Angeles. A. Datum has a subsidiary named Fabrikam, Inc that share, Los Angeles office.
A . Datum is conducting an initial deployment. of Azure services to host new line-of business applications and is preparing to migrate its existing on-premises workloads to Azure.
A Datum uses Microsoft Exchange Online (or email
On-Premises Environment
The on-premises workloads run on virtual machines hosted in a VMware vSphere 6 infrastructure.
All the virtual machines and members of an Active Directory forest named adatum.com and run Windows Server 2016.
The New York office uses an IP address space of 10.0.0.0/16 The Los Angeles office uses an IP address space of 10.10.0.0/16.
The offices connect by using a VPN provided by an ISP. Each office has one Azure ExpressRoute circuit that provides access to Azure services and Microsoft Online Services. Routing is implemented by using Microsoft peering.
The New York office has a virtual machine named VM1 that has the vSphere console installed.
Azure Environment
You provision the Azure infrastructure by using the Azure portal. The infrastructure contains the resources shown in the following table.

Name	Type	Azure Region
ASRV1	Azure Site Recovery vault	East US
ASRV2	Azure Site Recovery vault	West US
ASE1	Azure App Service Environment	East US
AG1	Azure Application Gateway (internal)	East US
AG2	Azure Application Gateway (Internet-facing)	West US
ER1	ExpressRoute circuit	East US
ER2	ExpressRoute circuit	West US

AG1 has two backend pools named Pool 11 and Pool12. AG2 has two backend pools named Pool21 and Pool22.
Requirements Planned Changes
A. Datum plans to migrate the virtual machines from the New York office to the East US Azure rec-on by using Azure Site Recovery.
Infrastructure Requirements
A. Datum identifies the following infrastructure requirements:
• A new web app named App1 that will access third-parties for credit card processing must be deployed
• A newly developed API must be implemented as an Azure function named App2. App2 will use a blob storage trigger. App2 must process new blobs immediately.
• The Azure infrastructure and the on-premises infrastructure must be prepared for the migration of the VMware virtual machines to Azure.
• The sizes of the Azure virtual machines that will be used to migrate the on-premises workloads must be identified,
• All migrated and newly deployed Azure virtual machines must be joined to the adatum.com domain.
• AG1must load balance incoming traffic in the following manner
•http://corporate.adatum.com/video/* will be load balanced across Pool11.
•http://corporate.adatum.com/images/* will be load balanced across Pool 12.
• AG2 must load balance incoming traffic in the following manner.
•http://www.adatum.com will be load balanced across Pool21.
•http://www.fabnkam.com will be load balanced across Pool22.
• ERl must route traffic between the New York office and the platform as a service (PaaS) services in the East US Azure region, as long as ER1 is available.
• ER2 must route traffic between the Los Angeles office and the PaaS services in the West US region, as long as ER2 is available.
• ERl and ER2 must be configured to fail over automatically
Application Requirements
App2 must be able to connect directly to the private IP addresses of the Azure virtual machines. App2 will be deployed directly to an Azure virtual network.
Inbound and outbound communications to App1 must be controlled by using NSGs.
Pricing Requirements
A . Datum identities the following pricing requirements:
• The cost of App1 and App2 must be minimized.
• The transactional charges of Azure Storage accounts must be minimized.

NEW QUESTION 5
You need to configure AG1. What should you create?

A. a basic routing rule
B. a multi-site listener
C. a basic listener
D. a URL path-based routing rule

Answer: D

Explanation: References:
https://docs.microsoft.com/en-us/azure/application-gateway/application-gateway-create-url-route-portal

NEW QUESTION 6
You have an on-premises network that you plan to connect to Azure by using a site-to-site VPN.
In Azure, you have an Azure virtual network named VNet1 that uses an address space of 10.0.0.0/16. VNet1 contains a subnet named Subnet1 that uses an address space of 10.0.0.0/24.
You need to create a site-to-site VPN to Azure.
Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.
NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.

Actions

- Create a gateway subnet.
- Create a custom DNS server.
- Create a local gateway.
- Create an Azure Content Delivery Network (CDN) profile.
- Create a VPN gateway.
- Create a VPN connection.

Answer Area

Answer:

Explanation:

Actions

- Create a gateway subnet.
- Create a custom DNS server.
- Create a local gateway.
- Create an Azure Content Delivery Network (CDN) profile.
- Create a VPN gateway.
- Create a VPN connection.

Answer Area

- Create a gateway subnet.
- Create a VPN gateway.
- Create a local gateway.
- Create a VPN connection.

NEW QUESTION 7
You are developing a SMS-based testing solution. The solution sends users a question by using SMS. Early responders may qualify for prizes.
Users must respond with an answer choice within 90 seconds. You must be able to track how long it takes each user to respond. You create a durable Azure Function named SendSmsQuizQuestion that uses Twilio to send messages.
You need to write the code for MessageQuiz.
How should you complete the code? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

```
[FunctionName("MessageQuiz")]
public static async Task<bool> Run([OrchestrationTrigger]
DurableOrchestrationContext context)
{
string phoneNumber = context.GetInput<string>();
int correctAnswerCode = await context.CallActivityAsync<int>
("SendSmsQuizQuestion", phoneNumber);
using (var cts = new CancellationTokenSource())
{
```

DateTime expiration = DateTime.UtcNow;
DateTime expiration = DateTime.UtcNow.AddSeconds(90);
DateTime expiration = DateTime.Now();
DateTime expiration = context.CurrentUtcDateTime.AddSeconds(90);

var timeoutTask = context.CallActivityAsync<DateTime>("timeout",expiration);
var timeoutTask = context.CreateTimer(expiration, cts.Token);
var timeoutTask = context.WaitForExternalEvent("timeout", 90000);
var timeoutTask = context.CallSubOrchestratorAsync("timeout", expiration);

```
bool isWinner = false;
for (int retryCount = 0;retryCount <= 3;retryCount++)
{
Task<int> challengeResponseTask =
context.WaitForExternalEvent<int>("SmsQuizResponse");
Task winner = await Task.WhenAny(challengeResponseTask,
timeoutTask);
if (winner == challengeResponseTask)
{
if(challengeResponseTask.Result == correctAnswerCode)
{
isWinner = true;
break;
}
}
else
{
break;
}
}
```

if (!timeoutTask.IsCompleted)
if(!timeoutTask.IsCanceled)
if(!context.IsReplaying)
if (!cts.IsCancellationRequested)

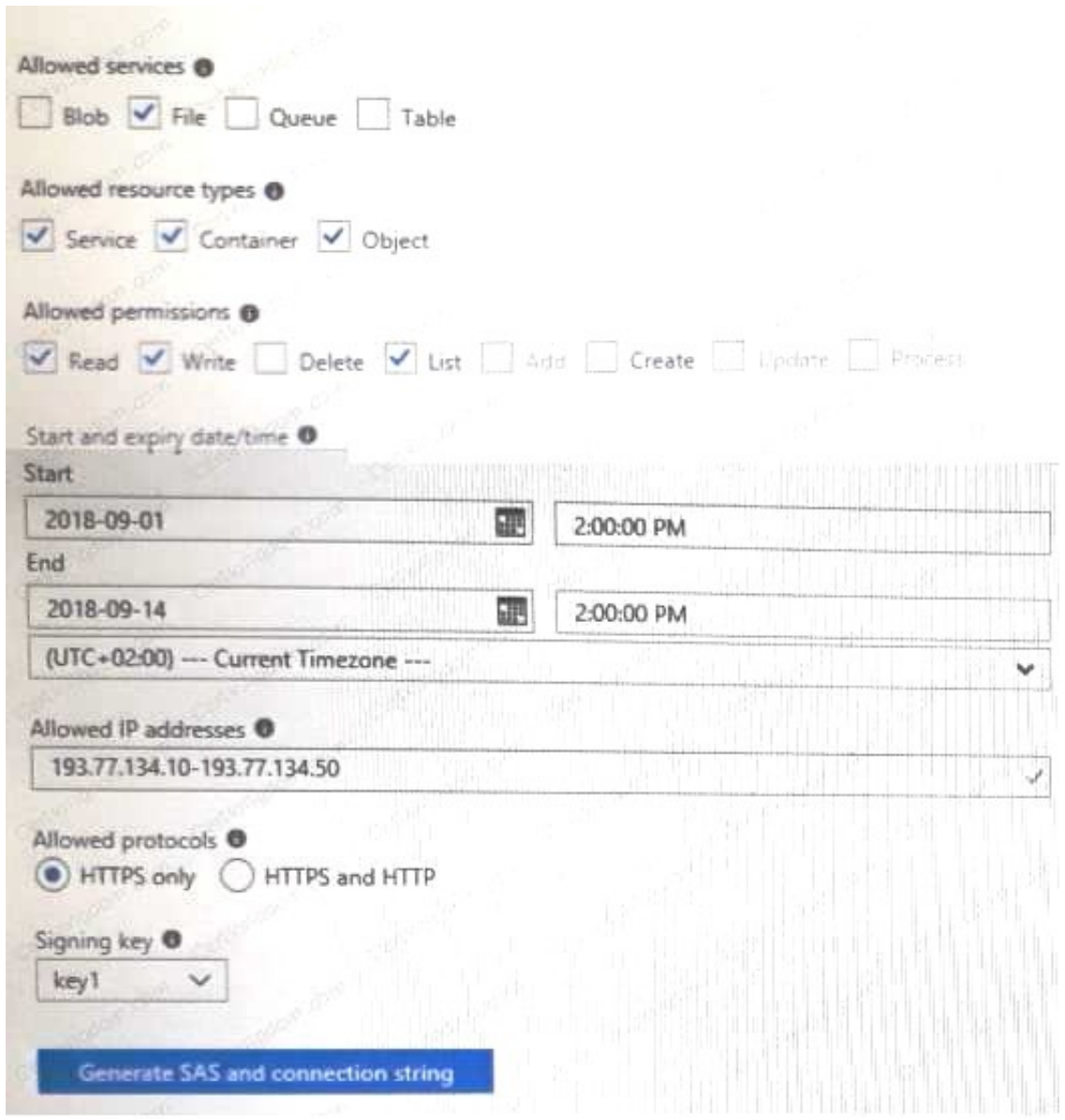
```
{
cts.Cancel();
}
return isWinner;
}
```

Answer:

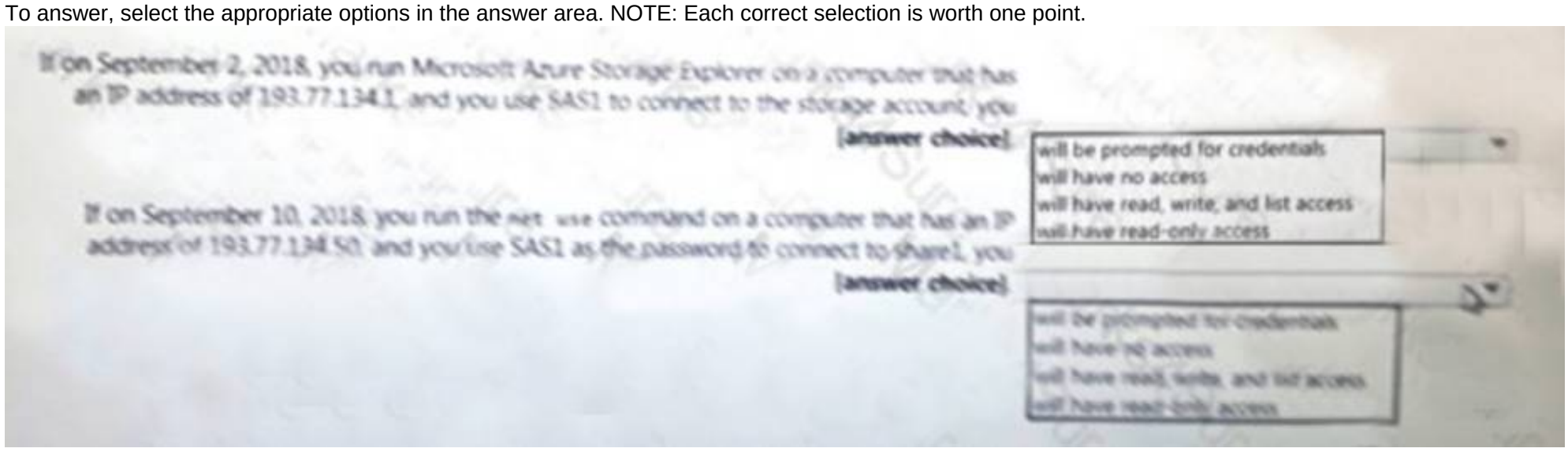
Explanation:

```
[FunctionName("MessageQuiz")]
public static async Task<bool> Run([OrchestrationTrigger]
DurableOrchestrationContext context)
{
string phoneNumber = context.GetInput<string>();
int correctAnswerCode = await context.CallActivityAsync<int>
("SendSmsQuizQuestion", phoneNumber);
using (var cts = new CancellationTokenSource())
{

DateTime expiration = DateTime.UtcNow;
DateTime expiration = DateTime.UtcNow.AddSeconds(90);
DateTime expiration = DateTime.Now();
DateTime expiration = context.CurrentUtcDateTime.AddSeconds(90);

var timeoutTask = context.CallActivityAsync<DateTime>("timeout",expiration);
var timeoutTask = context.CreateTimer(expiration, cts.Token);
var timeoutTask = context.WaitForExternalEvent("timeout", 90000);
var timeoutTask = context.CallSubOrchestratorAsync("timeout", expiration);

bool isWinner = false;
for (int retryCount = 0;retryCount <= 3;retryCount++)
{
Task<int> challengeResponseTask =
context.WaitForExternalEvent<int>("SmsQuizResponse");
Task winner = await Task.WhenAny(challengeResponseTask,
timeoutTask);
if (winner == challengeResponseTask)
{
if(challengeResponseTask.Result == correctAnswerCode)
{
isWinner = true;
break;
}
}
else
{
break;
}
}

if (!timeoutTask.IsCompleted)
if(!timeoutTask.IsCanceled)
if(!context.IsReplaying)
if (!cts.IsCancellationRequested)

{
cts.Cancel();
}
return isWinner;
}
```

NEW QUESTION 8
You have an Azure subscription named Subscription 1.
In Subscription1, you create an Azure file share named share1.
You create a shared access signature (SAS) named SAS1 as shown in the following exhibit.

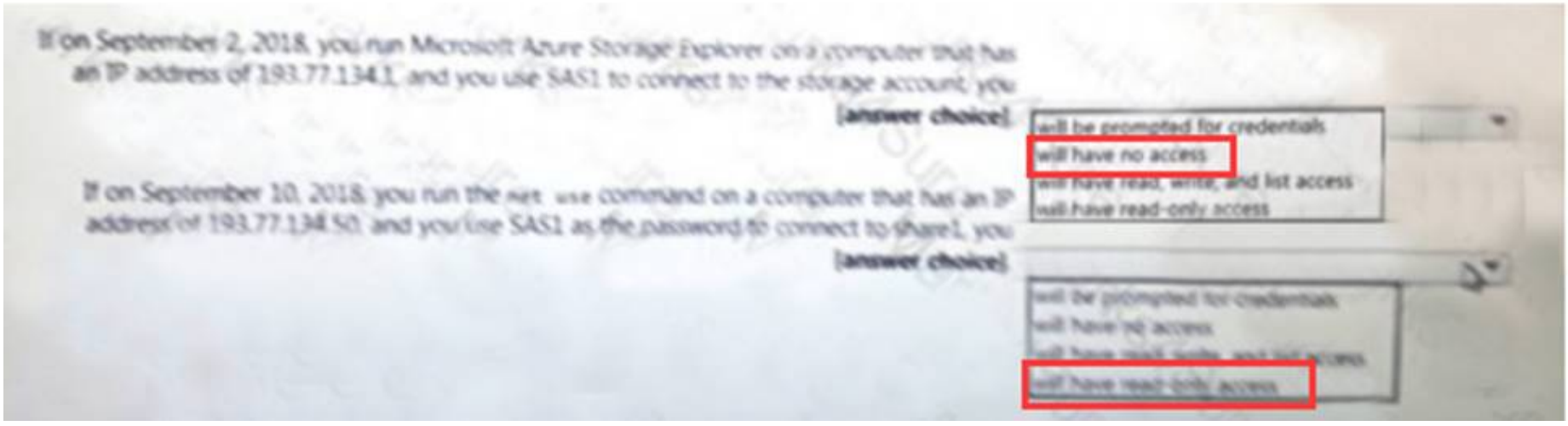


To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.



Answer:

Explanation:



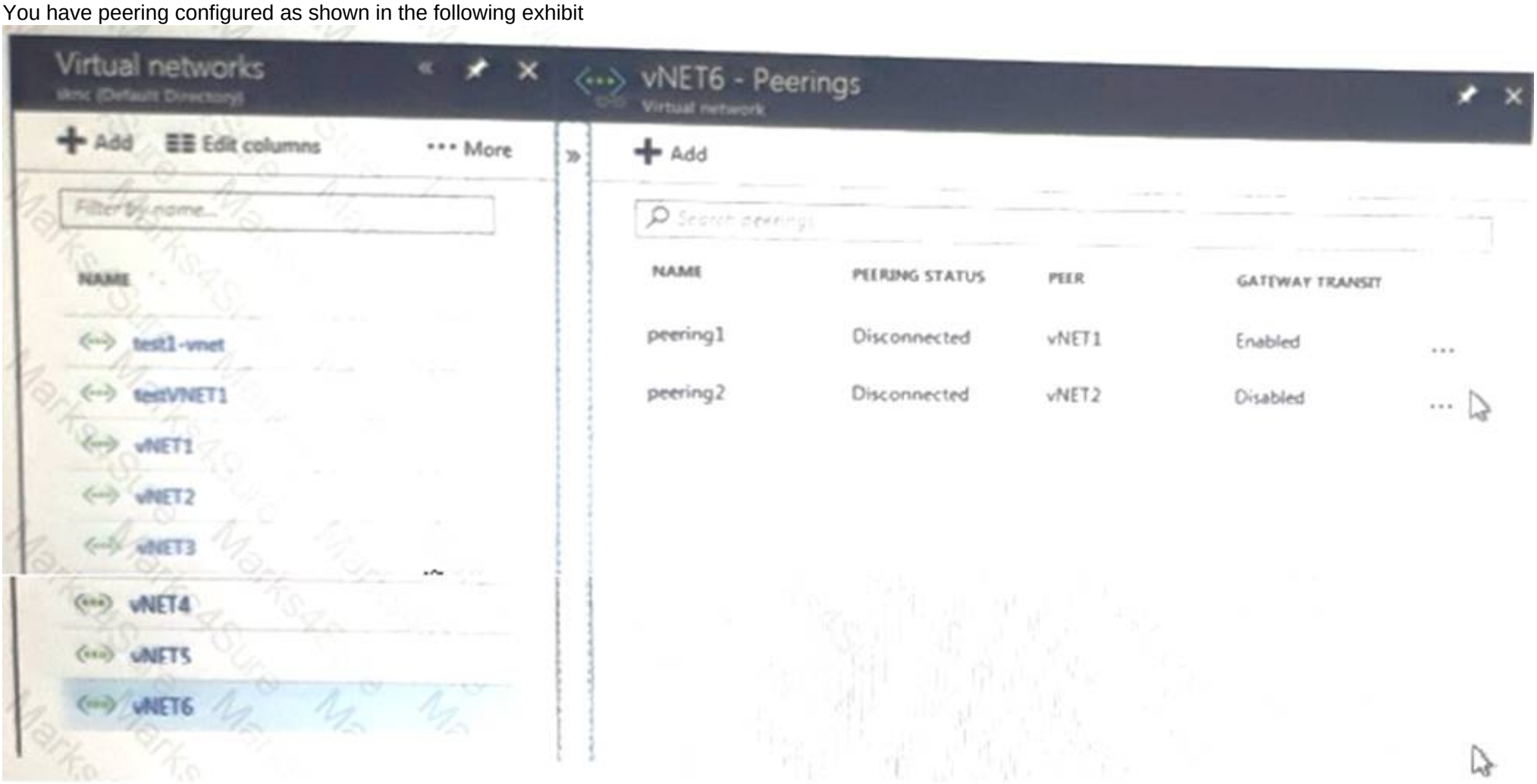
NEW QUESTION 9
You configure Azure AD Connect for Azure Active Directory Seamless Single Sign-On (Azure AD Seamless SSO) for an on-premises network.
Users report that when they attempt to access myapps.microsoft.com, they are prompted multiple times to sign in and are forced to use an account name that ends with onmicrosoft.com.
You discover that there is a UPN mismatch between Azure AD and the on-premises Active Directory. You need to ensure that the users can use single-sign on (SSO) to access Azure resources. What should you do first?

A. From the on-premises network, deploy Active Directory Federation Services (AD FS).
B. From the server that runs Azure AD Connect, modify the filtering options.
C. From the on-premises network, request a new certificate that contains the Active Directory domain name.

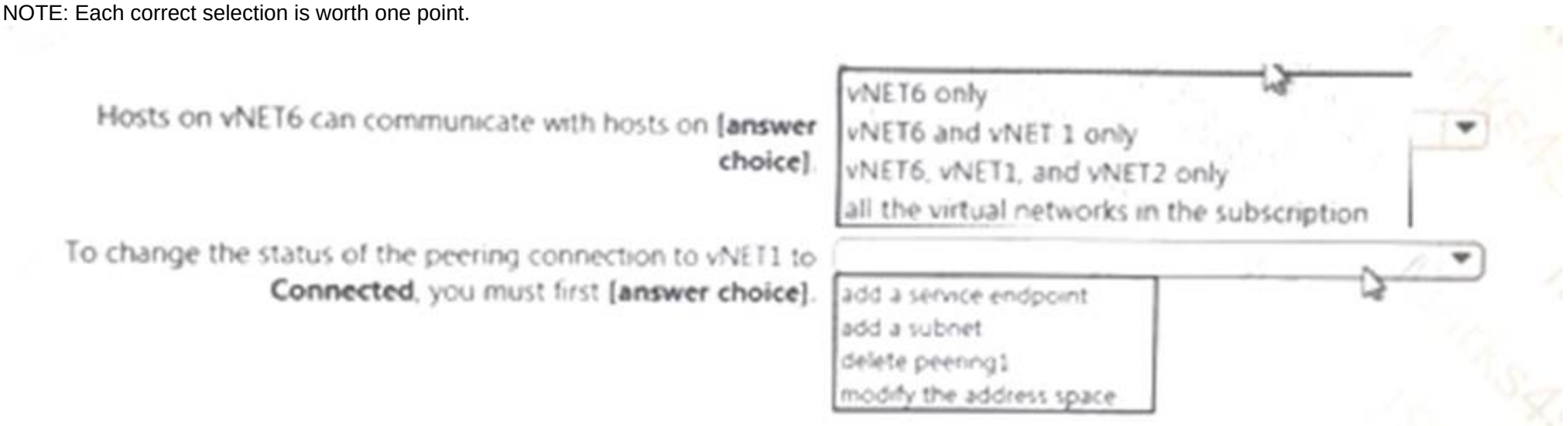
D. From Azure AD, add and verify a custom domain name.

Answer: D

NEW QUESTION 10
You have peering configured as shown in the following exhibit

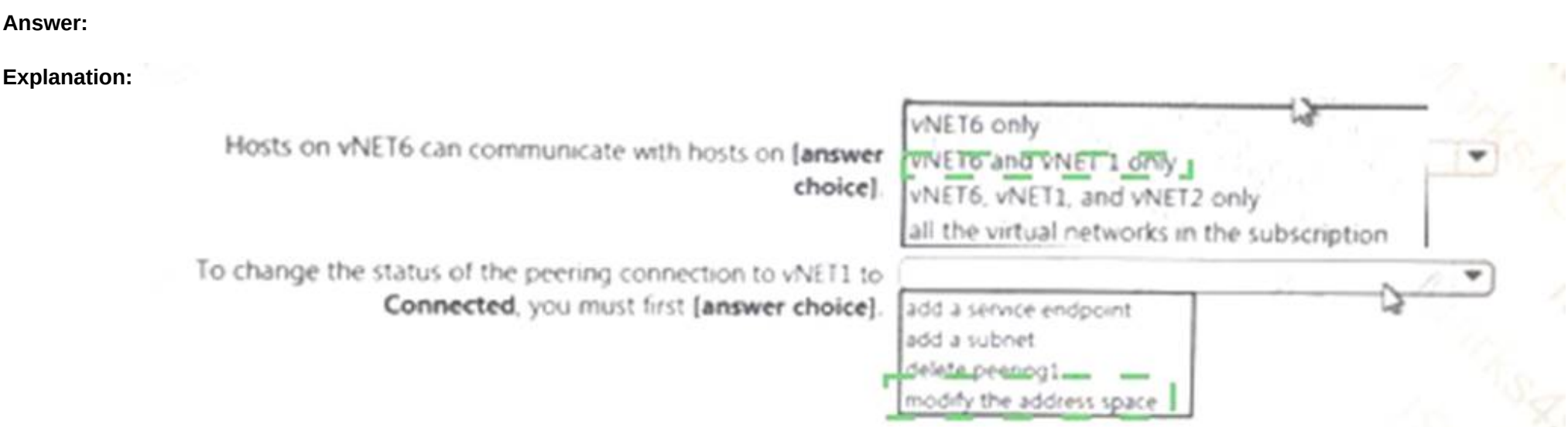


Use the drop-down menus to select the answer choice that completes each statement based on the information presented m the graphic.
NOTE: Each correct selection is worth one point.



Answer:

Explanation:



NEW QUESTION 10
You have an Azure subscription named Subscription1 that contains an Azure virtual machine named VM1. VM1 is in a resource group named RG1.
VM1 runs services that will be used to deploy resources to RG1.
You need to ensure that a service running on VM1 can manage the resources in RG1 by using the identity of VM1.
What should you do first?

A. From the Azure portal, modify the Access control (IAM) settings of RG1.
B. From the Azure portal, modify the Policies settings of RG1.

C. From the Azure portal, modify the Access control (IAM) settings of VM1.
D. From the Azure portal, modify the value of the Managed Service Identity option for VM1.

Answer: D

Explanation: References:
https://docs.microsoft.com/en-us/azure/active-directory/managed-identities-azure-resources/overview

NEW QUESTION 12
Note: This question is part of 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.
A company backs up data to on-premises servers at their main facility. The company currently has 30 TB of archived data that infrequently used. The facility has download speeds of 100 Mbps and upload speeds of 20 Mbps.
You need to securely transfer all backups to Azure Blob Storage for long-term archival. All backup data must be sent within seven days.
Solution: Backup data to local disks and use the Azure Import/Export service to send backups to Azure Blob Storage.
Does this meet the goal?

A. Yes
B. No

Answer: A

NEW QUESTION 17
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 on 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 Active Directory (Azure AD) tenant named Adatum and an Azure Subscription named Subscription. Adatum contains a group named Developers. Subscription 1 contains a resource group named Dev.
You need to provide the Developers group with the ability to create Azure logic apps in the Dev resource group.
Solution; On Dev. you assign the Logic App Contributor role to the Developers group. Does this meet the goal?

A. Yes
B. No

Answer: A

NEW QUESTION 19
You are creating an app that uses Event Grid to connect with other services. Your app's event data will be sent to a serverless function that checks compliance. This function is maintained by your company.
You write a new event subscription at the scope of your resource. The event must be invalidated after a specific period of time.
You need to configure Event Grid to ensure security.
What should you implement? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Authentication	Type
WebHook event delivery	SAS tokens Key authentication JWT token
Topic publishing	ValidationCode handshake ValidationURL handshake Management Access Control

Answer:

Explanation: References:
https://docs.microsoft.com/en-us/azure/event-grid/security-authentication

NEW QUESTION 21
Your company has offices in New York and Los Angeles.
You have an Azure subscription that contains an Azure virtual network named VNet1. Each office has a site-to-site VPN connection to VNet1.
Each network uses the address spaces shown in the following table:

Location	IP address space
VNet1	192.168.0.0/20
New York	10.0.0.0/16
Los Angeles	10.10.0.0/16

You need to ensure that all Internet-bound traffic from VNet1 is routed through the New York office. What should you do? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

In Azure, run: [ ]
- New-AzureRmLocalNetworkGateway
- New-AzureRmVirtualNetworkGatewayConnection
- Set-AzureRmVirtualNetworkGatewayDefaultSite

On a VPN device in the New York office, set the traffic selectors to: [ ]
- 0.0.0.0/0
- 10.0.0.0/16
- 192.168.0.0/20

Answer:

Explanation:

In Azure, run: [New-AzureRmVirtualNetworkGatewayConnection]

On a VPN device in the New York office, set the traffic selectors to: [192.168.0.0/20]

NEW QUESTION 24
You plan to migrate an on-premises Hyper-V environment to Azure by using Azure Site Recovery. The Hyper-V environment is managed by using Microsoft System Center Virtual Machine Manager (VMM).
The Hyper-V environment contains the virtual machines in the following table:

Name	Operating system (OS)	OS disk size	BitLocker Drive Encryption (BitLocker) enabled on OS disks.	Generation
DC1	Windows Server 2016	500 GB	No	2
FS1	Ubuntu 16.04 LTS	200 GB	No	2
CA1	Windows Server 2012 R2	1 TB	Yes	1
SQL1	Windows Server 2016	200 GB	No	1

Which virtual machine can be migrated by using Azure Site Recovery? Which virtual machine can be migrated by using Azure Site Recovery?

A. FS1
B. CA1
C. DC1
D. SQL1

Answer: D

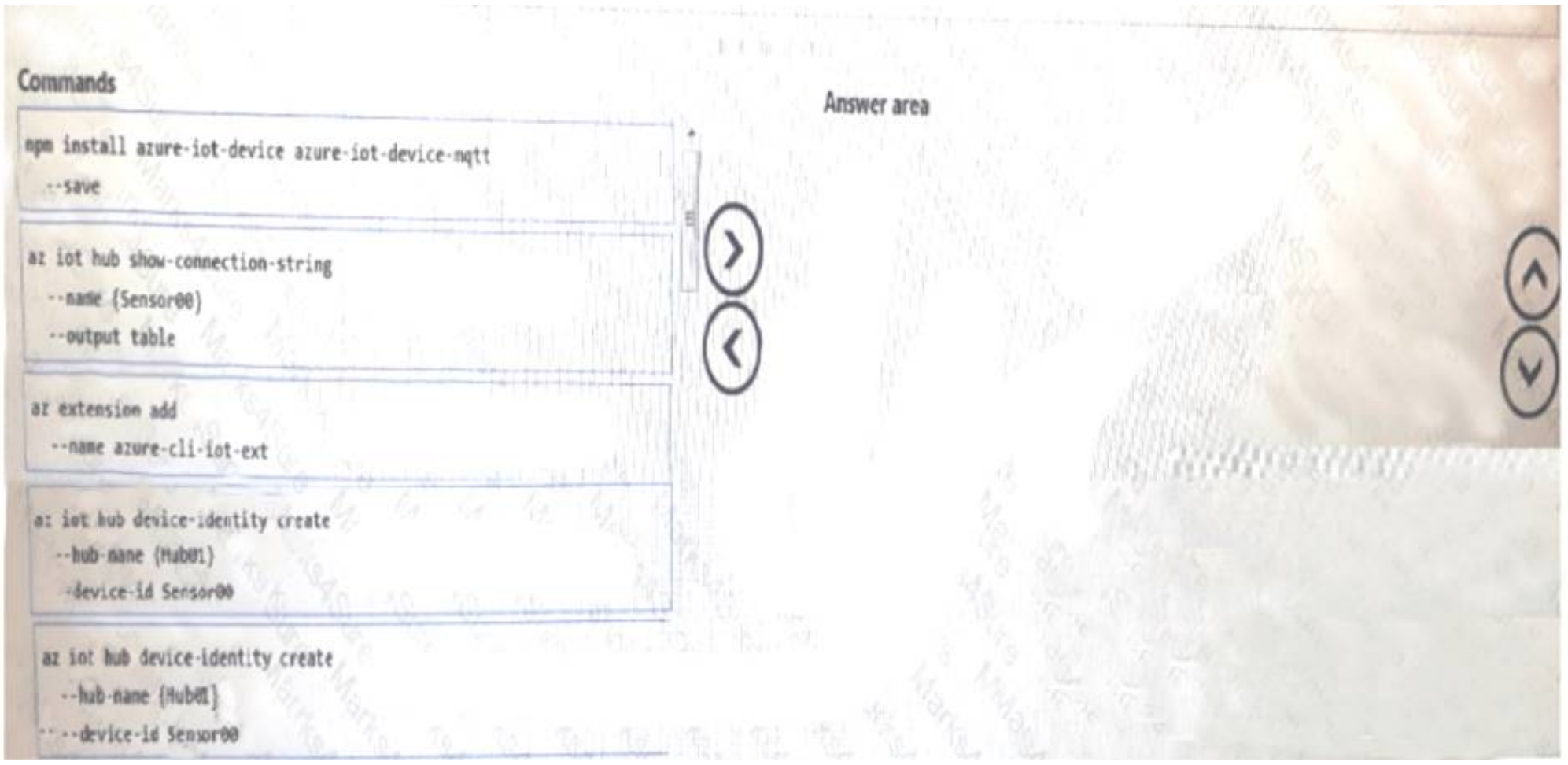
Explanation: References:
https://docs.microsoft.com/en-us/azure/site-recovery/hyper-v-azure-support-matrix#azure-vm-requirements

NEW QUESTION 27
You are developing an Azure Durable Function instance. You need to add a delay by using a durable timer. What type of function should you use?

A. Orchestrator
B. web hook
C. Client
D. Activity

Answer: D

NEW QUESTION 32
You develop an IoT solution by using Nodejs. The solution is ready to deploy to the production environment. You must implement the device twin capabilities of Azure IoT Hub. You must register a sensor named
Sensor00. The IoT Hub name is Hub01.
You need to register the endpoint with ContosoHub01 so that you can configure them from your solution. Which four commands should you use to develop the solution? To answer, move the appropriate commands from the list of commands to the answer area and arrange them in the correct order.



Answer:

Explanation: az extension add --name azure-cli-iot-ext

NEW QUESTION 37
You have a Microsoft SQL Server Always On availability group on Azure virtual machines. You need to configure an Azure internal load balancer as a listener for the availability group. What should you do?

A. Create an HTTP health probe on port 1433.
B. Set Session persistence to Client IP.
C. Set Session persistence to Client IP and protocol.
D. Enable Floating IP.

Answer: D

Explanation: References:
https://docs.microsoft.com/en-us/azure/virtual-machines/windows/sql/virtual-machines-windows-portal-sql-alwa

NEW QUESTION 40
You are developing an ASP.NET web application that you will deploy to Azure. The solution must meet the following requirements:
• Store user session state by using only serializable data types.
• Provide customizable caching of session data.
• Support scaling out the number of web hosts-
• Maximize performance.
Which solution meets these requirements?

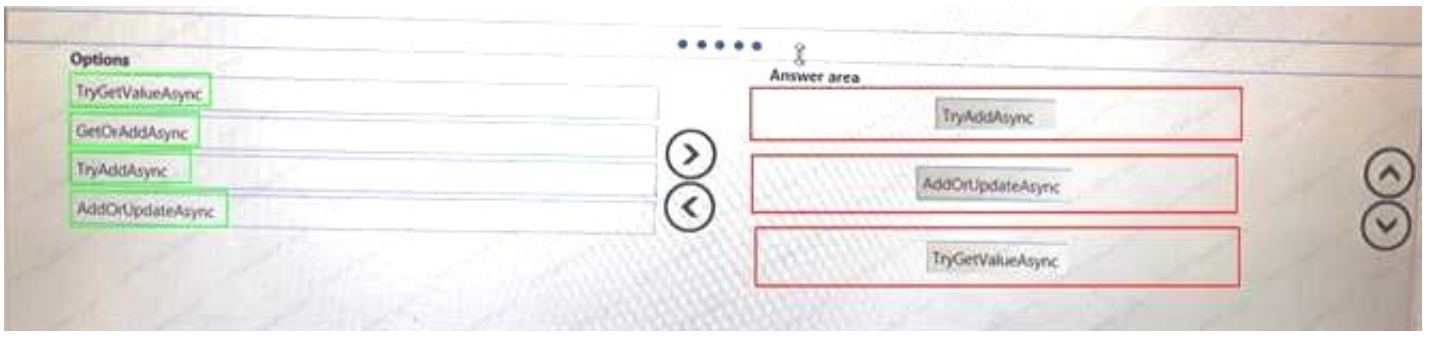
A. Clustered Azure Redis Cache
B. ASP.NET Output Cache provider for Azure Redis Cache
C. in-memory session state provider
D. SQL Server session state provider

Answer: C

NEW QUESTION 45
You are developing a stateful service to deploy lo Azure Service Fabric. You plan to implement the RunAsync method.
You need to implement the methods to interface with an instance of the IReliable dictionary interface to increment a count each time the service is called- The first time the service is called, you must initialize the count to 1 if it does not yet exist and then update it by one each time it is called.
Which three methods should you run in sequence? To answer, move the appropriate methods from the list of methods to the answer area and arrange them in the correct order.

Answer:

Explanation:



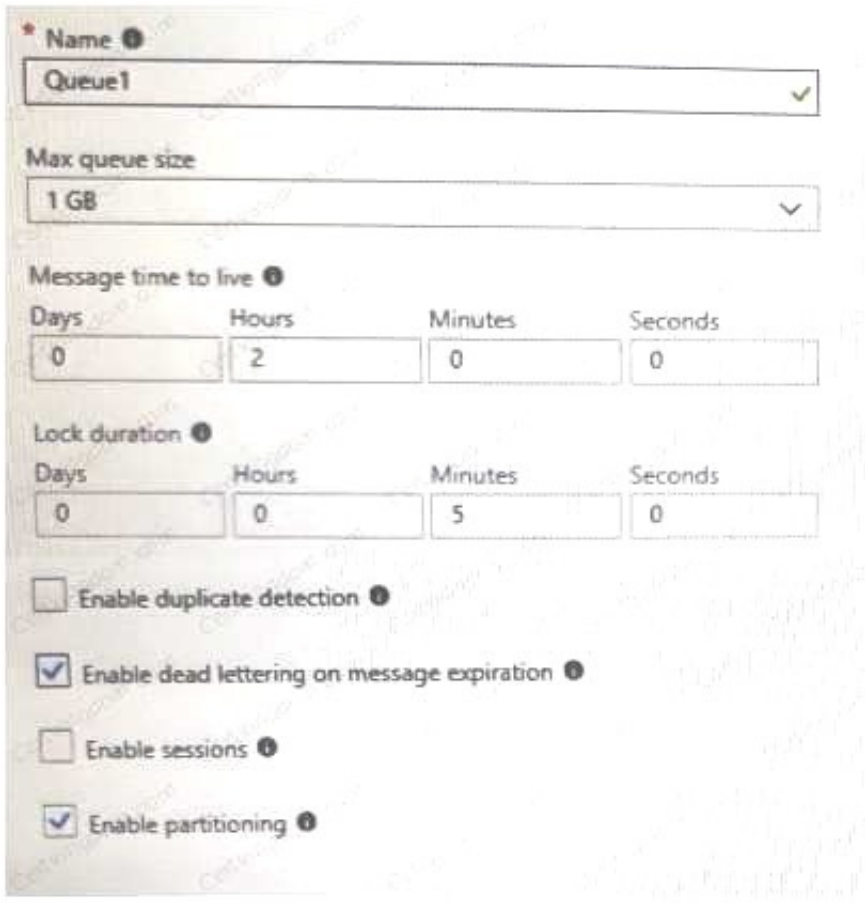
NEW QUESTION 48
You have an on-premises network that contains a Hyper-V host named Host1. Host1 runs Windows Server 2016 and hosts 10 virtual machines that run Windows Server 2016.
You plan to replicate the virtual machines to Azure by using Azure Site Recovery. You create a Recovery Services vault named ASR1 and a Hyper-V site named Site1. You need to add Host1 to ASR1.
What should you do?

A. Download the installation file for the Azure Site Recovery Provider.Download the storage account key.Install the Azure Site Recovery Provider on each virtual machine and register the virtual machines.
B. Download the installation file for the Azure Site Recovery Provider.Download the vault registration key.Install the Azure Site Recovery Provider on Host1 and register the server.
C. Download the installation file for the Azure Site Recovery Provider.Download the storage account key.Install the Azure Site Recovery Provider on Host1 and register the server.
D. Download the installation file for the Azure Site Recovery Provider.Download the vault registration key.Install the Azure Site Recovery Provider on each virtual machine and register the virtual machines.

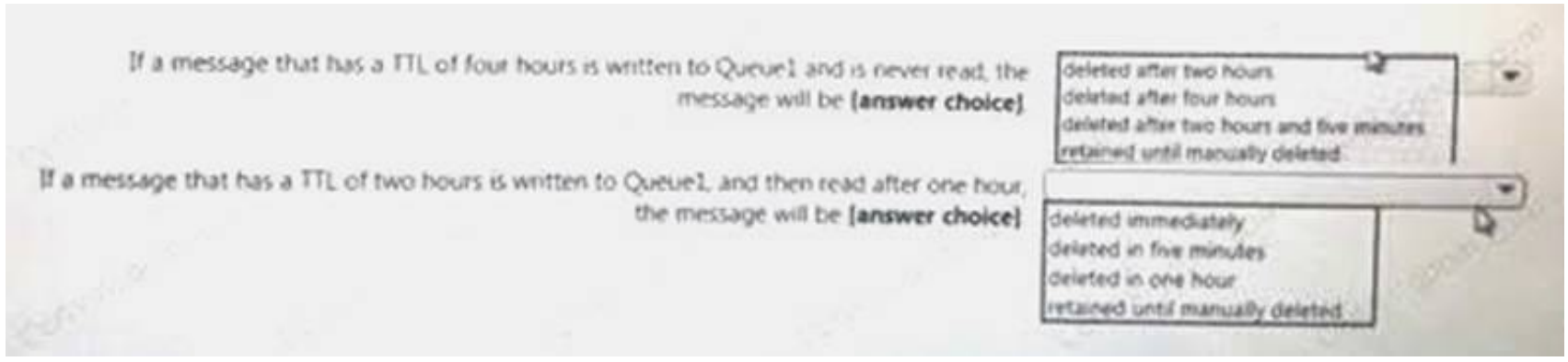
Answer: B

Explanation: References:
https://docs.microsoft.com/en-us/azure/site-recovery/hyper-v-azure-tutorial

NEW QUESTION 53
You have an Azure Service Bus.
You create a queue named Queue1. Queue1 is configured as shown in the following exhibit.

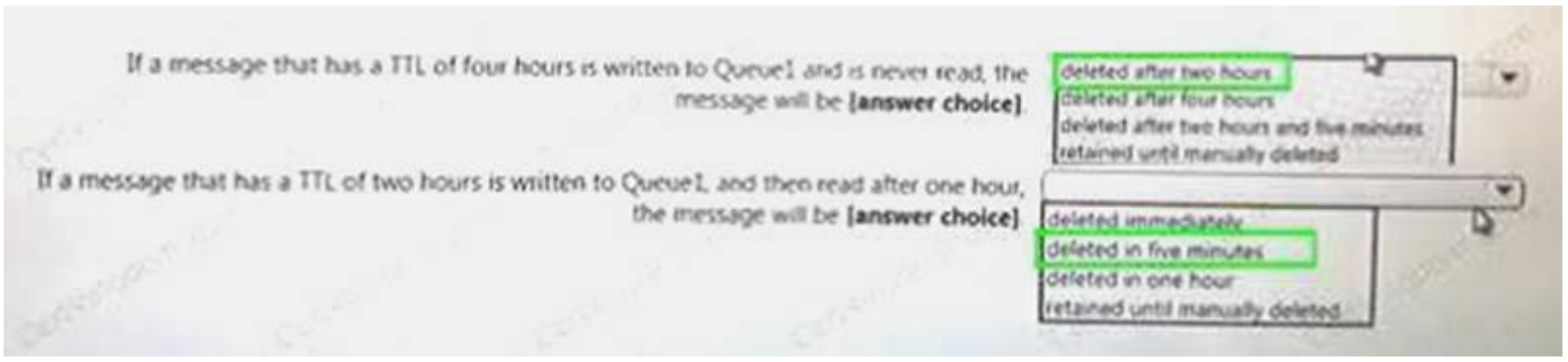


Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic. NOTE: Each correct selection is worth one point

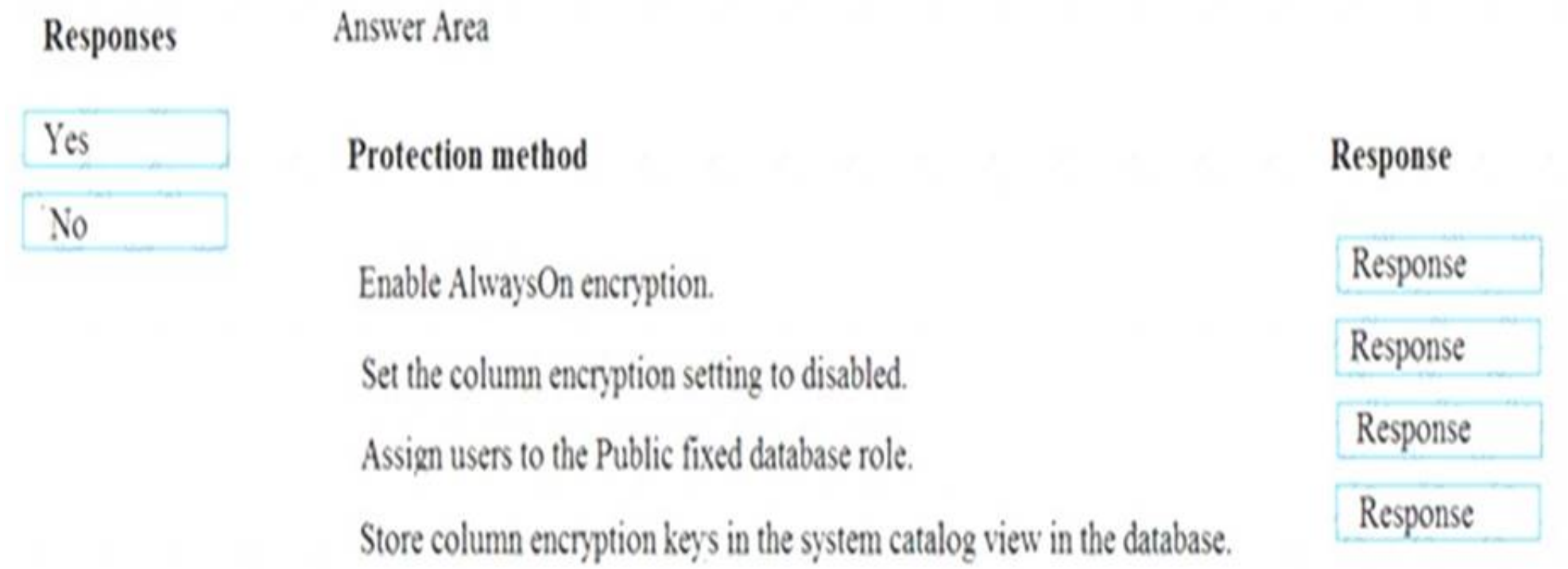


Answer:

Explanation:



NEW QUESTION 54
You maintain an existing Azure SQL Database instance. Management of the database is performed by an external party. Ail cryptographic keys are stored in an Azure Key Vault.
You must ensure that the external party cannot access the data in the SSN column of the Person table
Will each protection method meet the requirement? To answer, drag the appropriate responses to the correct protection methods. Each response may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point



Answer:

Explanation: References:
https://docs.microsoft.com/en-us/azure/security/azure-database-security-overview

NEW QUESTION 58
You have the following resource groups:

Resource group	Comments
DevServer_WestCentralUS	This resource group is located in the West Central US region and contains a single virtual machine (VM) named DevServer. DevServer is connected to a private subnet in an Azure Virtual Network that has no internet access.
Workstation_EastUS	This resource group is located in the East US region and contains a VM named DevWorkstation. DevWorkstation is connected to a subnet in a Virtual Network and is configured with a public IP address. A network security group has been configured to allow public incoming remote desktop protocol (RDP) connections to the DevWorkstation.

Developers must connect to Dev Server only through Dev Workstation. To maintain security, Dev Server must not accept connections from the internet. You need to create a private connection between the Dev Workstation and Dev Server.
Dev Workstation using their private IP addresses. Does the solution meet the goal?

A. Yes
B. NO

Answer: A

NEW QUESTION 63
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 App Service plan hosting plan
B. the Docker container and an App Service plan that uses the B1 pricing tier
C. the Windows operating system and the Consumption plan hosting plan
D. the Docker container and an App Service plan that uses the S1 pricing tier

Answer: C

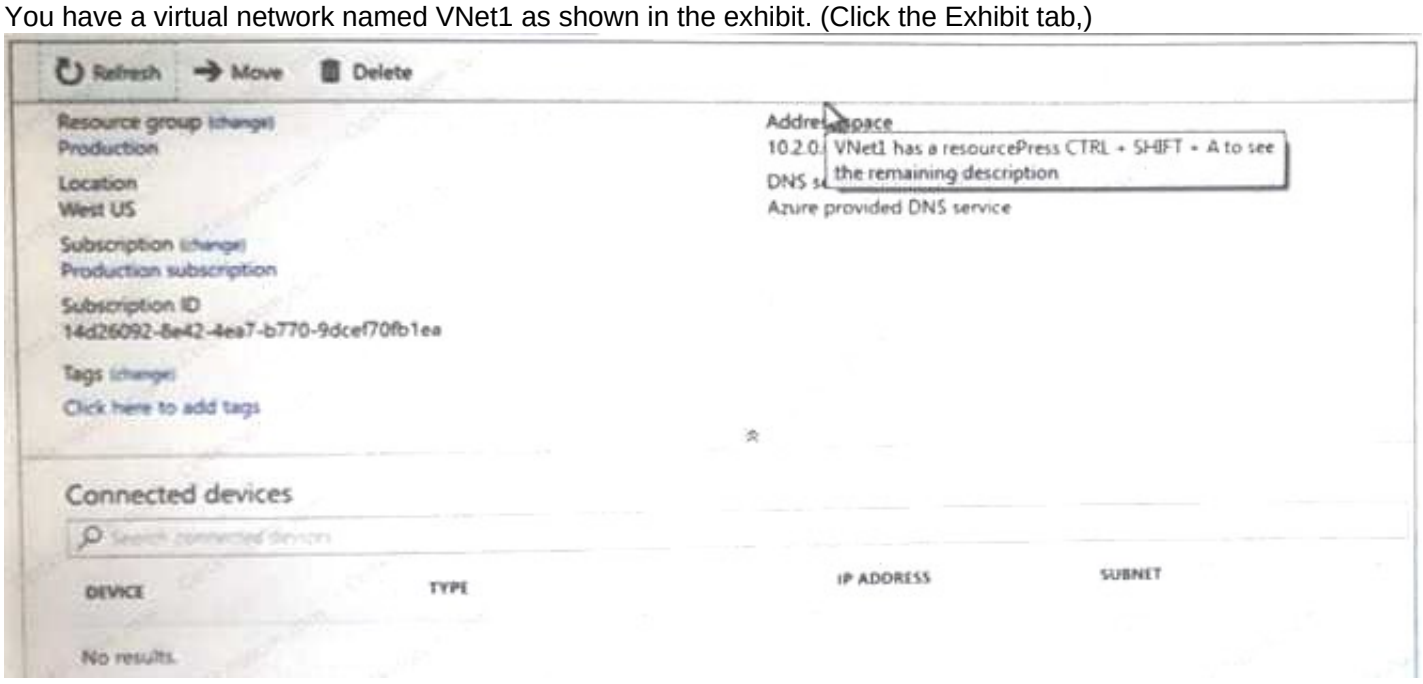
Explanation: References:
https://docs.microsoft.com/en-us/azure/azure-functions/functions-scale

NEW QUESTION 66
You have an Azure Active Directory (Azure AD) tenant named contosodoud.onmicrosoft.com. Your company has a public DNS zone for contoso.com.
You add contoso.com as a custom domain name to Azure AD You need to ensure that Azure can verify the domain name. Which type of DNS record should you create?

A. PTR
B. TXT
C. NSEC3
D. DNSKEY

Answer: B

NEW QUESTION 67
You have a virtual network named VNet1 as shown in the exhibit. (Click the Exhibit tab,)



No devices are connected to VNet1,
You plan to peer VNet1 to another virtual network named VNet2 in the same region. VNet2 has an address space of 10.2,0.0/16.
You need to create the peering. What should you do first?

A. Create a subnet on VNet1 and VNet2.
B. Add a gateway subnet to VNet1.
C. Configure a service endpoint on VNet2
D. Modify the address space of VNet1.

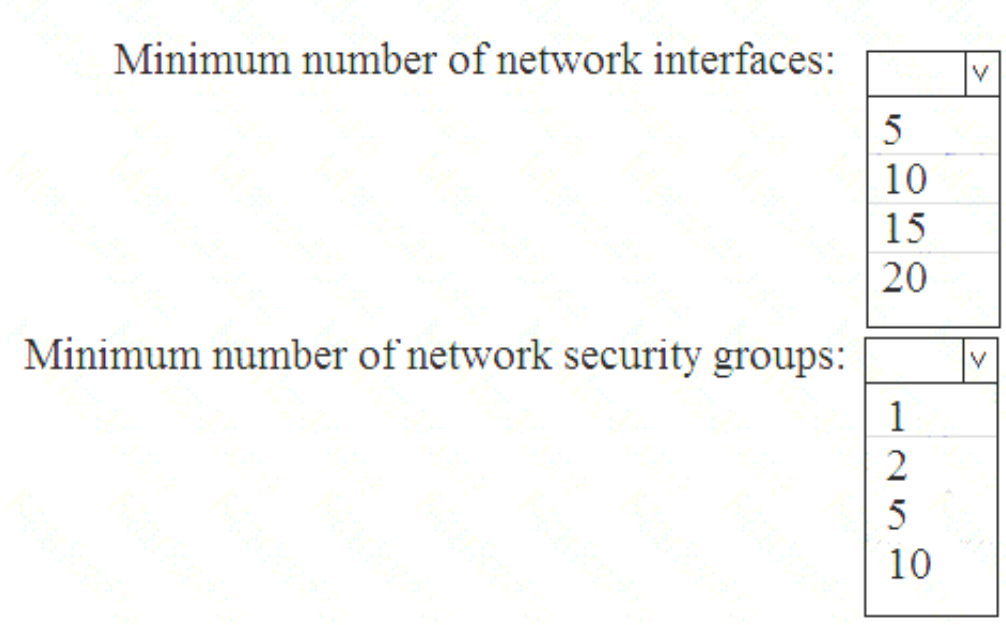
Answer: A

NEW QUESTION 71
You are the global administrator for an Azure Active Directory (Azure AD) tenant named adatum.com. You need to enable two-step verification for Azure users.
What should you do?

A. Create an Azure AD conditional access policy.
B. Configure a playbook in Azure Security Center.
C. Enable Azure AD Privileged Identity Management.
D. Install an MFA Server.

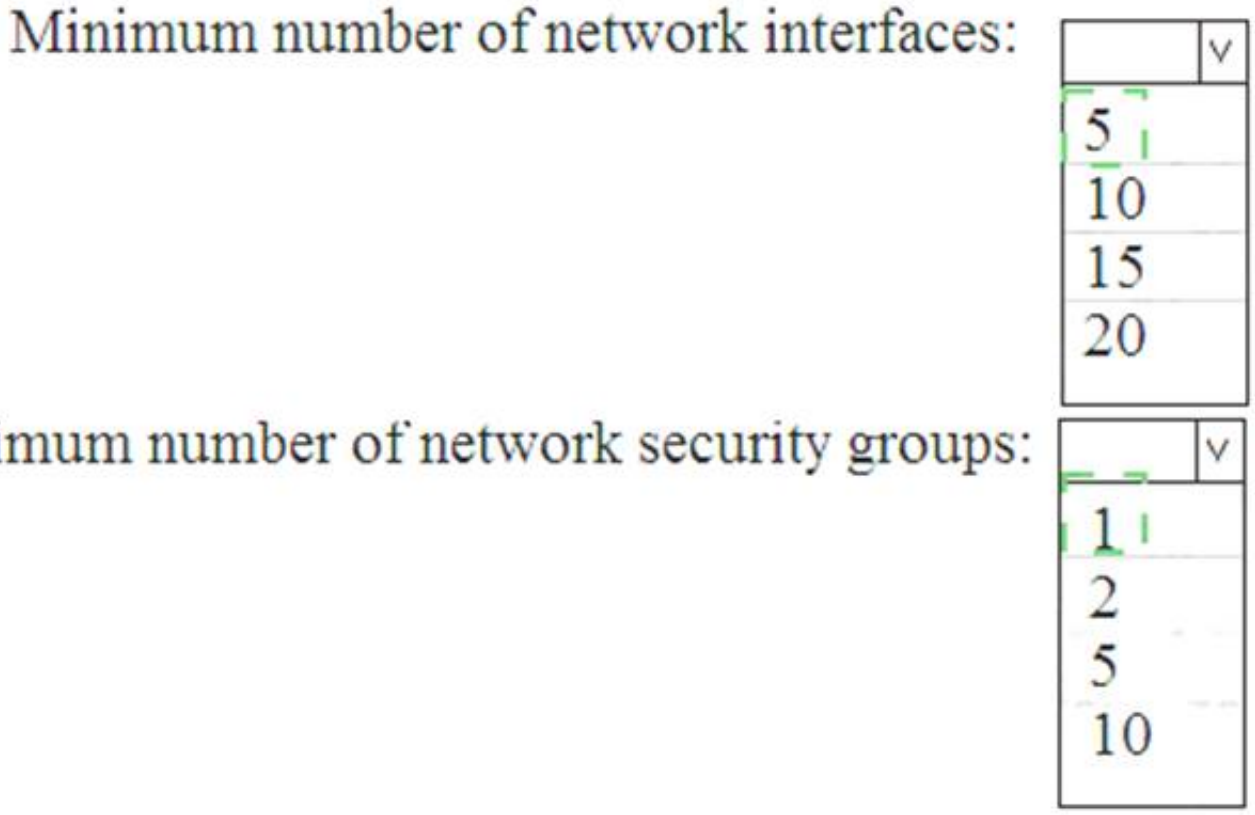
Answer: D

NEW QUESTION 76
You plan to deploy five virtual machines to a virtual network subnet.
Each virtual machine will have a public IP address and a private IP address. Each virtual machine requires the same inbound and outbound security rules.
What is the minimum number of network interfaces and network security groups that you require? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.



Answer:

Explanation:



NEW QUESTION 77
You have the following resource groups:

Resource group	Comments
DevServer_WestCentralUS	This resource group is located in the West Central US region and contains a single virtual machine (VM) named DevServer. DevServer is connected to a private subnet in an Azure Virtual Network that has no internet access.
Workstation_EastUS	This resource group is located in the East US region and contains a VM named DevWorkstation. DevWorkstation is connected to a subnet in a Virtual Network and is configured with a public IP address. A network security group has been configured to allow public incoming remote desktop protocol (RDP) connections to the DevWorkstation.

Developers must connect to Dev Server only through Dev Workstation. To maintain security, DevS erver must not accept connections from the internet. You need to create a private connection between the Dev Workstation and Dev St Solution: Configure an IP address on each subnet within the same address space.
Does the solution meet the goal?

A. Yes
B. NO

Answer: B

NEW QUESTION 78
A company is developing a solution that allows smart refrigerators to send temperature information to a central location.
The solution must receive and store messages until they can be processed. You create an Azure Service Bus instance by providing a name, pricing tier, subscription, resource group, and location.
You need to complete the configuration.
Which Azure CU or PowerShell command should you run?
A)

```
New-AzureRmServiceBusQueue
  -ResourceGroupName fridge-rg
  -NamespaceName fridge-ns
  -Name fridge-q
  -EnablePartitioning $False
```

B)

```
az group create
  --name fridge-rg
  --location fridge-loc
```

C)

```
New-AzureRmResourceGroup
  -Name fridge-rg
  -Location fridge-loc
```

D)

```
connectionString=$(az servicebus namespace authorization-rule keys list
  --resource-group fridge-rg
  --fridge-ns fridge-ns
  --name RootManageSharedAccessKey
  --query primaryConnectionString --output tsv)
```

A. Option A
B. Option B
C. Option C
D. Option D

Answer: D

NEW QUESTION 83
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution.
Determine whether the solution meets the stated goals. You have the following resource groups:

Resource group	Comments
DevServer_WestCentralUS	This resource group is located in the West Central US region and contains a single virtual machine named DevServer. DevServer is connected to a private subnet in an Azure Virtual Network that has no internet access.
Workstation_EastUs	This resource group is located in the East US region and contains a virtual machine named DevWorkstation. DevWorkstation is connected to a subnet in a Virtual Network and is configured with a public IP address. A network security group has been configured to allow public incoming remote desktop protocol (RDP) connections to the DevWorkstation.

Developers must connect to DevServer only through DevWorkstation. To maintain security, DevServer must not accept connections from the internet.
You need to create a private connection between the DevWokstation and DevServer.
Solution: Configure a public IP address on DevServer_WestCentral. Configure the Network Security Group to allow all incoming ports.
Does the solution meet the goal?

A. Yes
B. NO

Answer: A

NEW QUESTION 87
You are creating an IoT solution using Azure Time Series Insights.
You configure the environment to ensure that all data for the current year is available. What should you do?

A. Add a disaster recovery (DR) strategy.
B. Set a value for the Data retention time setting.
C. Change the pricing tier.
D. Create a reference data set.

Answer: D

NEW QUESTION 88
You create a social media application that users can use to upload images and other content.
Users report that adult content is being posted in an area of the site that is accessible to and intended for young children.
You need to automatically detect and flag potentially offensive content. The solution must not require any custom coding other than code to scan and evaluate images.
What should you implement?

A. Bing Visual Search
B. Bing Image Search
C. Custom Vision Search
D. Computer Vision API

Answer: D

NEW QUESTION 89
You have an Azure subscription named Subscription1. Subscription1 contains the virtual networks in the following table:

Name	Address space	Subnet name	Subnet address range
VNet1	10.1.0.0/16	Subnet1	10.1.1.0/24
VNet2	10.10.0.0/16	Subnet2	10.10.1.0/24
VNet3	172.16.0.0/16	Subnet3	172.16.1.0/24

Subscription1 contains the virtual machines in the following table:

Name	Network	Subnet	IP address
VM1	VNet1	Subnet1	10.1.1.4
VM2	VNet2	Subnet2	10.10.1.4
VM3	VNet3	Subnet3	172.16.1.4

The firewalls on all the virtual machines are configured to allow all ICMP traffic. You add the peerings in the following table:

Virtual network	Peering network
VNet1	VNet3
VNet2	VNet3
VNet3	VNet1

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Statements	Yes	No
VM1 can ping VM3.	○	○
VM2 can ping VM3.	○	○
VM2 can ping VM1.	○	○

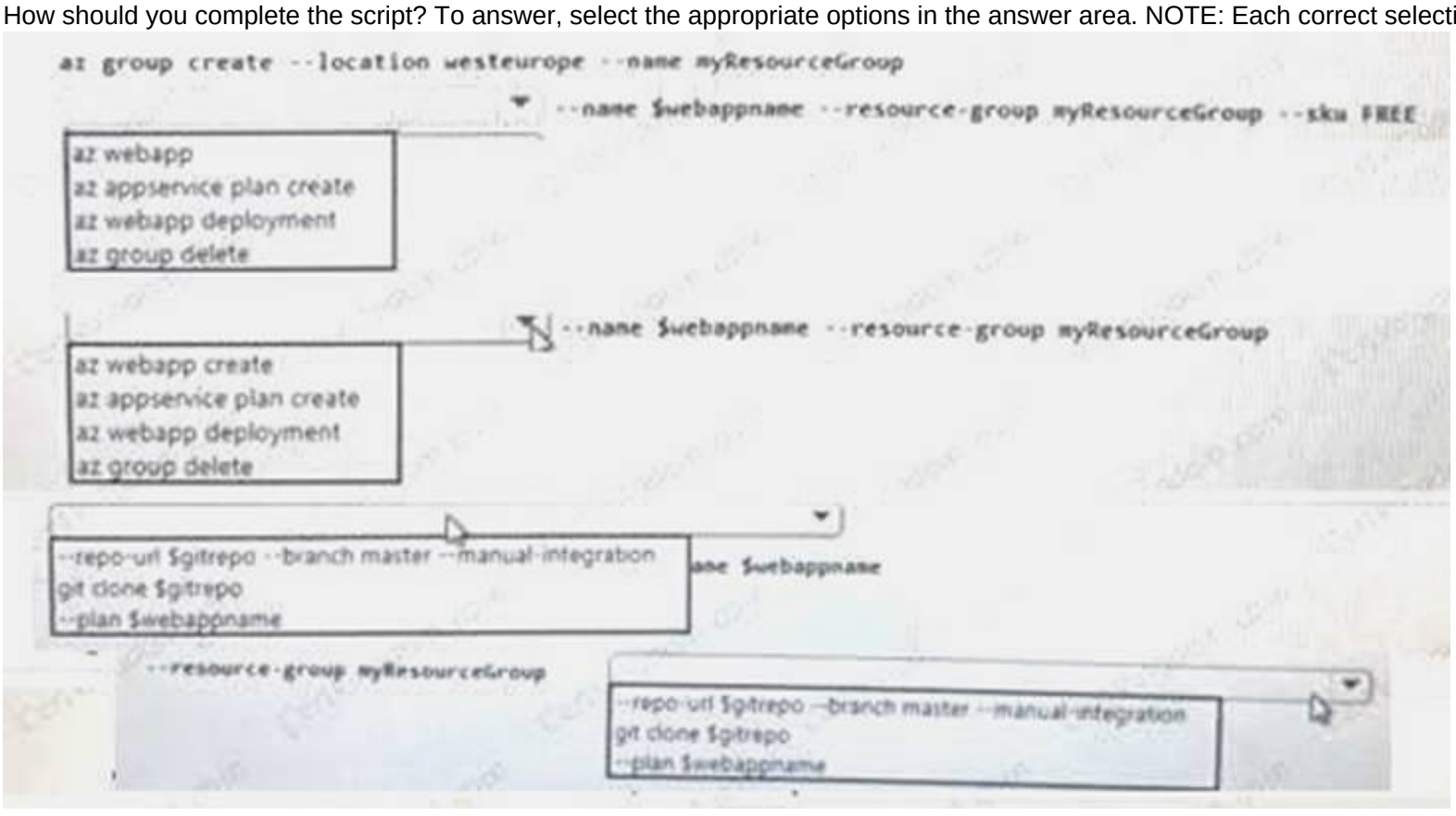
Answer:

Explanation: References:
https://docs.microsoft.com/en-us/azure/virtual-network/tutorial-connect-virtual-networks-portal

NEW QUESTION 94
You are creating a CU script that creates an Azure web app and related services in Azure App Service. The web app uses the following variables:

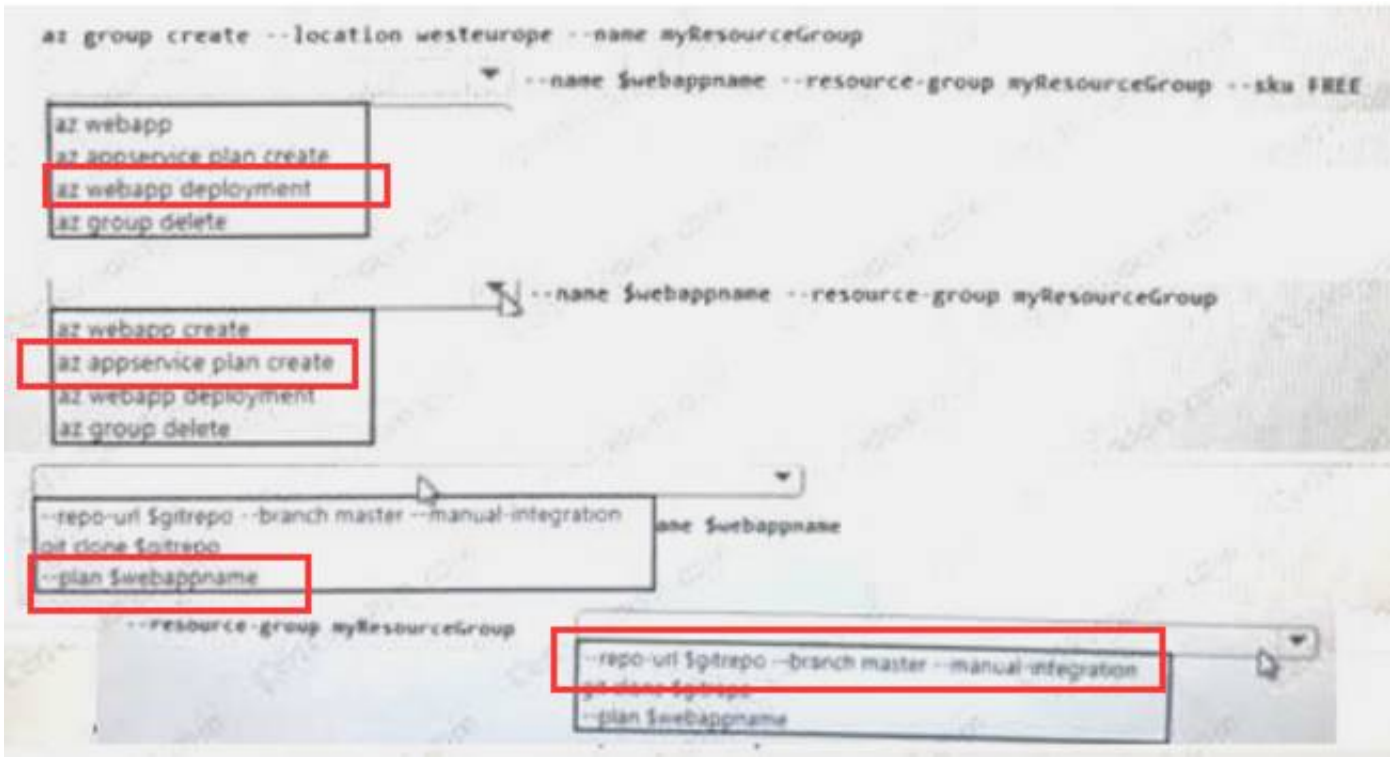
Variable name	Value
$gitrepo	https://github.com/Contos/webapp
$webappname	Webapp1103

You need to automatically deploy code from GitHub to the newly created web app.
How should you complete the script? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.



Answer:

Explanation:



NEW QUESTION 99

You are developing an Azure Function that will be triggered using a webhook from an external application. The Azure Function will receive JSON data in the body of the request.

Calling applications send an account ID as part of the URL. The number at the end of the URL is an integer. The format for the URL resembles the following: /api/account/1

The Azure Function must accept all incoming requests without requiring keys or tokens. You need to complete the attributes for the Azure Function.

How should you complete the code? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

```
[ ▼ ("ProcessItem")]
```
- FunctionName
- RouteAttribute
- QueueTrigger
- HttpTrigger

```
public static async Task<HttpResponseMessage> Run(

[ ▼ (AuthorizationLevel. ▼ , "post",
```
- BlobTrigger
- FileTrigger
- QueueTrigger
- HttpTrigger

- Anonymous
- Admin
- User
- Function

```
Route = " ▼ ")]HttpRequestMessage req,
```
- /api/account/1
- ProcessItem/{accountId:int}
- account/{accountId:int}
- /account/

```
▼ , TraceWriter log)
```
- string accountId
- int accountId
- [FromBody] string accountId
- int account

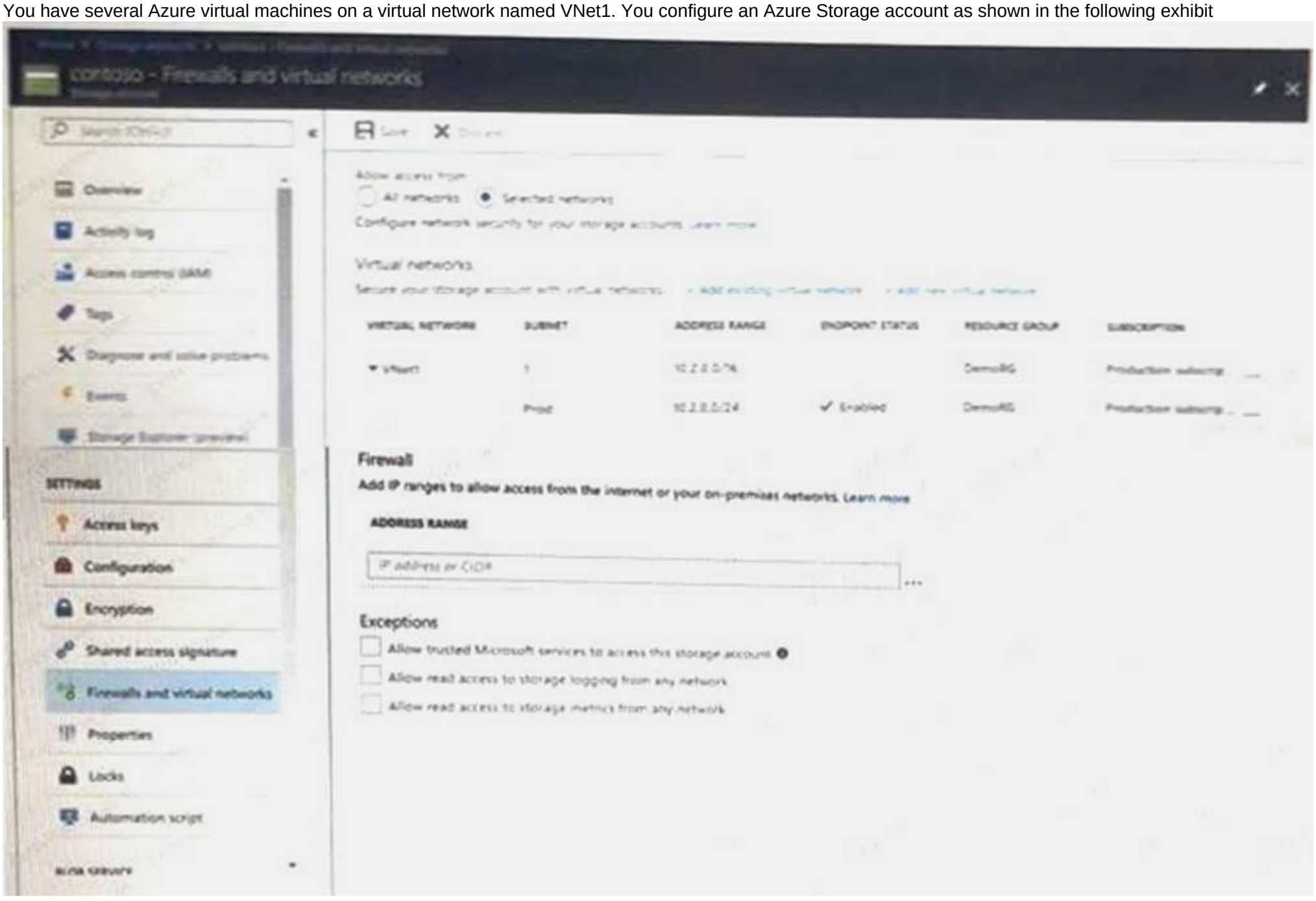
```
{
Item itemToProcess = await req.Content.ReadAsAsync<Item>();
log.Info($"Processing item {itemToProcess.Id} for account {accountId}");
var processedItem = DoItemProcessing(itemToProcess);
return req.CreateResponse(HttpStatusCode.OK, processedItem);
```

Answer:

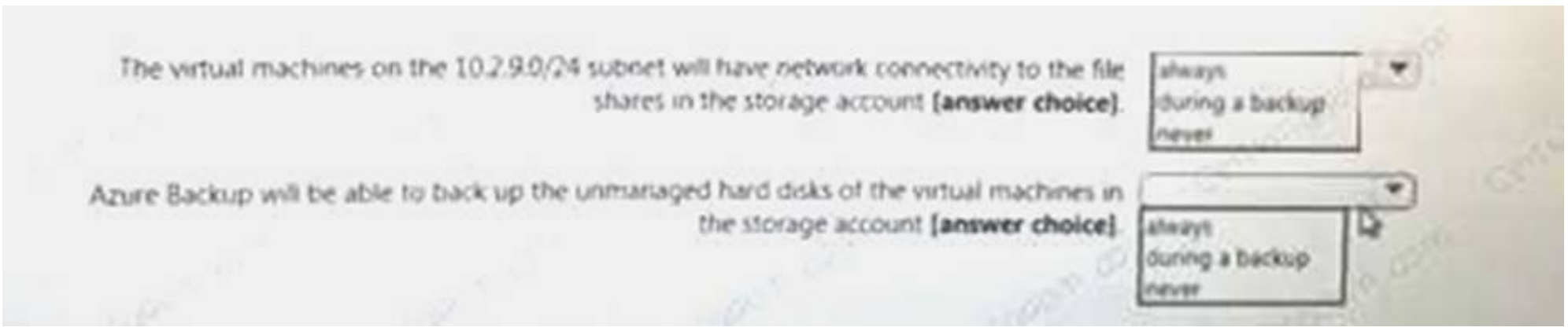
Explanation:

```
[ FunctionName ("ProcessItem")]
public static async Task<HttpResponseMessage> Run(
[ BlobTrigger (AuthorizationLevel. Anonymous , "post",
Route = " /api/account/1 ")]HttpRequestMessage req,
string accountId , TraceWriter log)
{
Item itemToProcess = await req.Content.ReadAsAsync<Item>();
log.Info($"Processing item {itemToProcess.Id} for account {accountId}");
var processedItem = DoItemProcessing(itemToProcess);
return req.CreateResponse(HttpStatusCode.OK, processedItem);
```

NEW QUESTION 102
You have several Azure virtual machines on a virtual network named VNet1. You configure an Azure Storage account as shown in the following exhibit



Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic. NOTE: Each correct selection is worth one point



Answer:

Explanation:

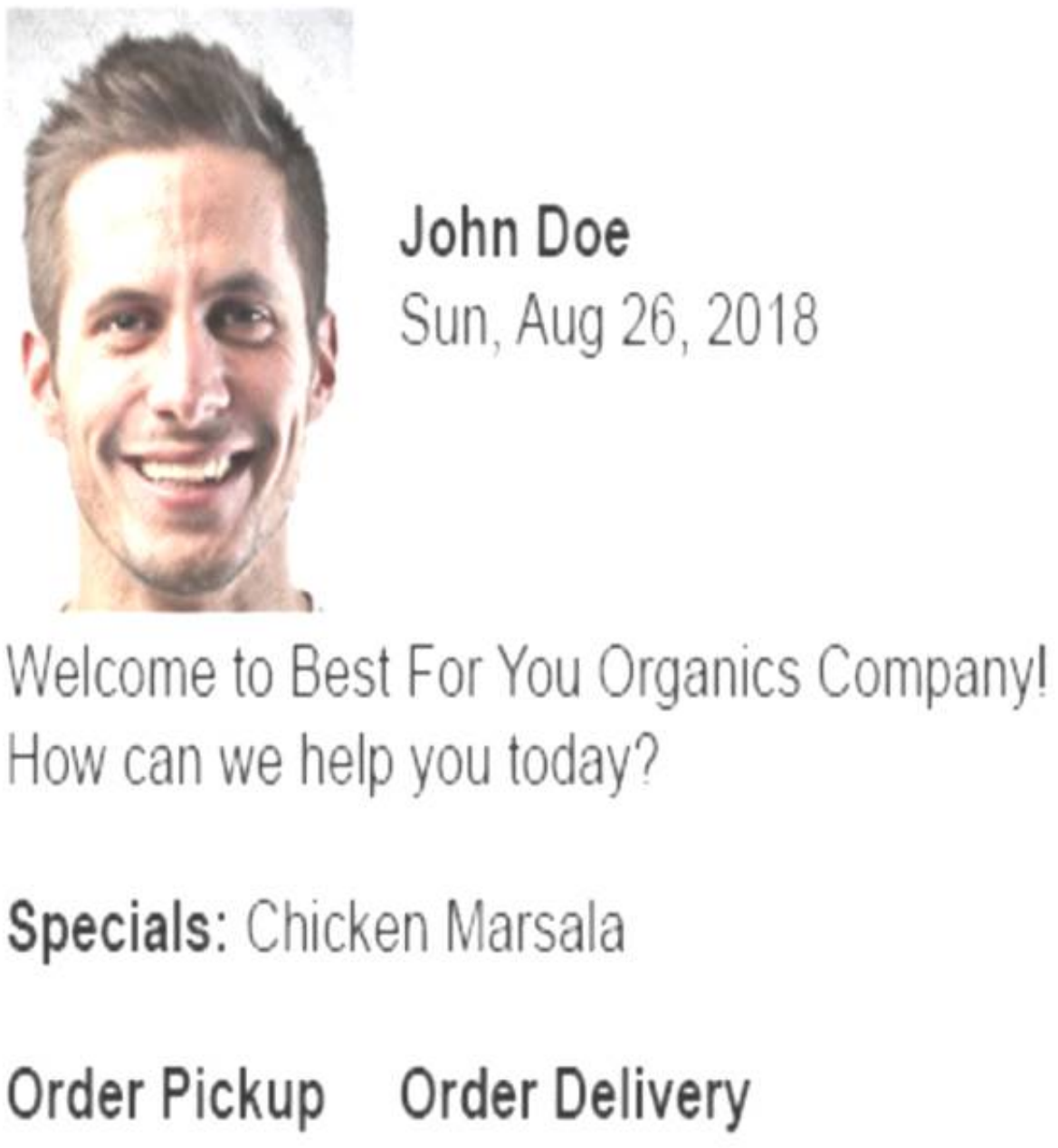
NEW QUESTION 104
You set the multi-factor authentication status for a user named admin1@contoso.com to Enabled.
Admin1 accesses the Azure portal by using a web browser.
Which additional security verifications can Admin1 use when accessing the Azure portal?

A. an app password, a text message that contains a verification code, and a verification code sent from the Microsoft Authenticator app
B. a phone call, a text message that contains a verification code, and a notification or a verification code sent from the Microsoft Authenticator app
C. a phone call, an email message that contains a verification code, and a text message that contains an app password
D. an app password, a text message that contains a verification code, and a notification sent from the Microsoft Authenticator app

Answer: B

Explanation: References:
https://docs.microsoft.com/en-us/azure/active-directory/authentication/concept-authentication-methods

Topic 6, Case Study 5
Case Study Background
Best For You Organics Company is a global restaurant franchise that has multiple locations. The company wants to enhance user experiences and vendor integrations. The company plans to implement automated mobile ordering and delivery services.
Best For You Organics hosts an Azure web app at the URL https://www.bestforyouorganics.com. Users can use the web app to browse restaurant location, menu items, nutritional information, and company information. The company developed and deployed a cross-platform mobile app.
Requirements Chatbot
You must develop a chatbot by using the Bot Builder SDK and Language Understanding Intelligence Service (LUIS). The chatbot must allow users to order food for pickup or delivery.
The chatbot must meet the following requirements:
Ensure that chatbot is secure by using the Bot Framework connector.
Use natural language processing and speech recognition so that users can interact with the chatbot by using text and voice. Processing must be server-based.
Alert users about promotions at local restaurants.
Enable users to place an order for delivery or pickup by using their voice.
Greet the user upon sign-in by displaying a graphical interface that contains action buttons.
The chatbot greeting interface must match the formatting of the following example:



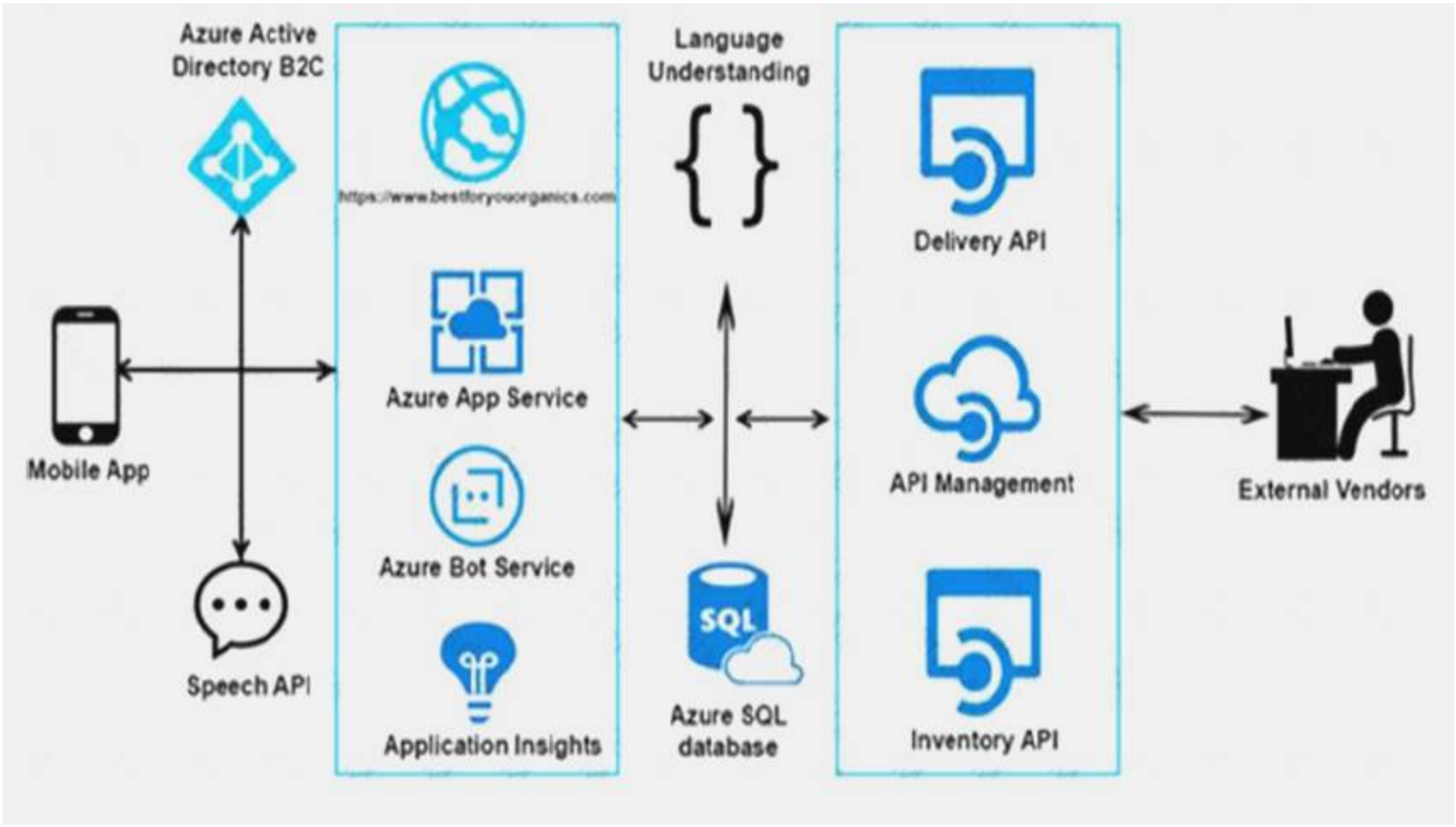
Vendor API

Vendors receive and provide updates for the restaurant inventory and delivery services by using Azure API Management hosted APIs. Each vendor uses their own subscription to access each of the APIs.

APIs must meet the following conditions:

- API usage must not exceed 5,000 calls and 50,000 kilobytes of bandwidth per hour per vendor.
- If a vendor is nearing the number of calls or bandwidth limit, the API must trigger email notifications to the vendor.
- API must prevent API usage spikes on a per-subscription basis by limiting the call rate to 100 calls per minute.
- The Inventory API must be written by using ASP.NET Core and Node.js.
- The API must be updated to provide an interface to Azure SQL Database objects must be managed by using code.
- The Delivery API must be protected by using the OAuth 2.0 protocol with Azure Active Directory (Azure AD) when called from the Azure web app. You register the Delivery API and web app in Azure AD. You enable OAuth 2.0 in the web app.
- The delivery API must update the Products table, the Vendor transactions table, and the Billing table in a single transaction.

The Best For You Organics Company architecture team has created the following diagram depicting the expected deployments into Azure:



Architecture Issues Delivery API
The Delivery API intermittently throws the following exception:
"System.Data.Entity.Core.EntityCommandExecutionException: An error occurred while executing the command definition. See the inner exception for details.
-->System.Data.SqlClient.SqlException: A
transport-level error has occurred when receiving results from the server. (provider: Session Provider, error: 19
– Physical connection is not usable)"
Chatbot greeting
The chatbot’s greeting does not show the user’s name. You need to debug the chatbot locally.
Language processing
Users report that the bot fails to understand when a customer attempts to order dishes that use Italian names.
App code
Relevant portions of the app files are shown below. Line numbers are included for reference only and include a two-character prefix that denotes the specific file to which they belong.

Startup.cs

```
SU01 namespace DeliveryApi
SU02 {
SU03  public class Startup
SU04  {
SU05   public Startup(IConfiguration configuration)
SU06    {
SU07      Configuration = configuration;
SU08    }
SU09    public IConfiguration Configuration { get; }
SU10    public void ConfigureService(IServiceCollection services)
SU11    {
SU12     services.AddDbContext<RestaurantsContext>(opt =>
SU13      opt.UseSqlServer(Configuration.GetSection("ConnectionStrings")
["RestaurantDatabase"],
SU14       sqlServerOptionsAction: sqlOptions =>
SU15       {
SU16        . . .
SU17       }));
SU18     services.AddMvc()
SU19       .SetCompatibilityVersion(CompatibilityVersion.Version_2_1);
SU20   }
SU21   public void Configure(IApplicationBuilder app)
SU22   {
SU23     app.UseMvc();
SU24   }
SU25 }
SU26 }
```

NEW QUESTION 106
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals.
You need to meet the vendor notification requirement.
Solution: Update the Delivery API to send emails by using a Microsoft Office 365 SMTP server. Does the solution meet the goal?

A. Yes
B. No

Answer: B

Explanation: References:
https://docs.microsoft.com/en-us/azure/api-management/api-management-howto-configure-notifications

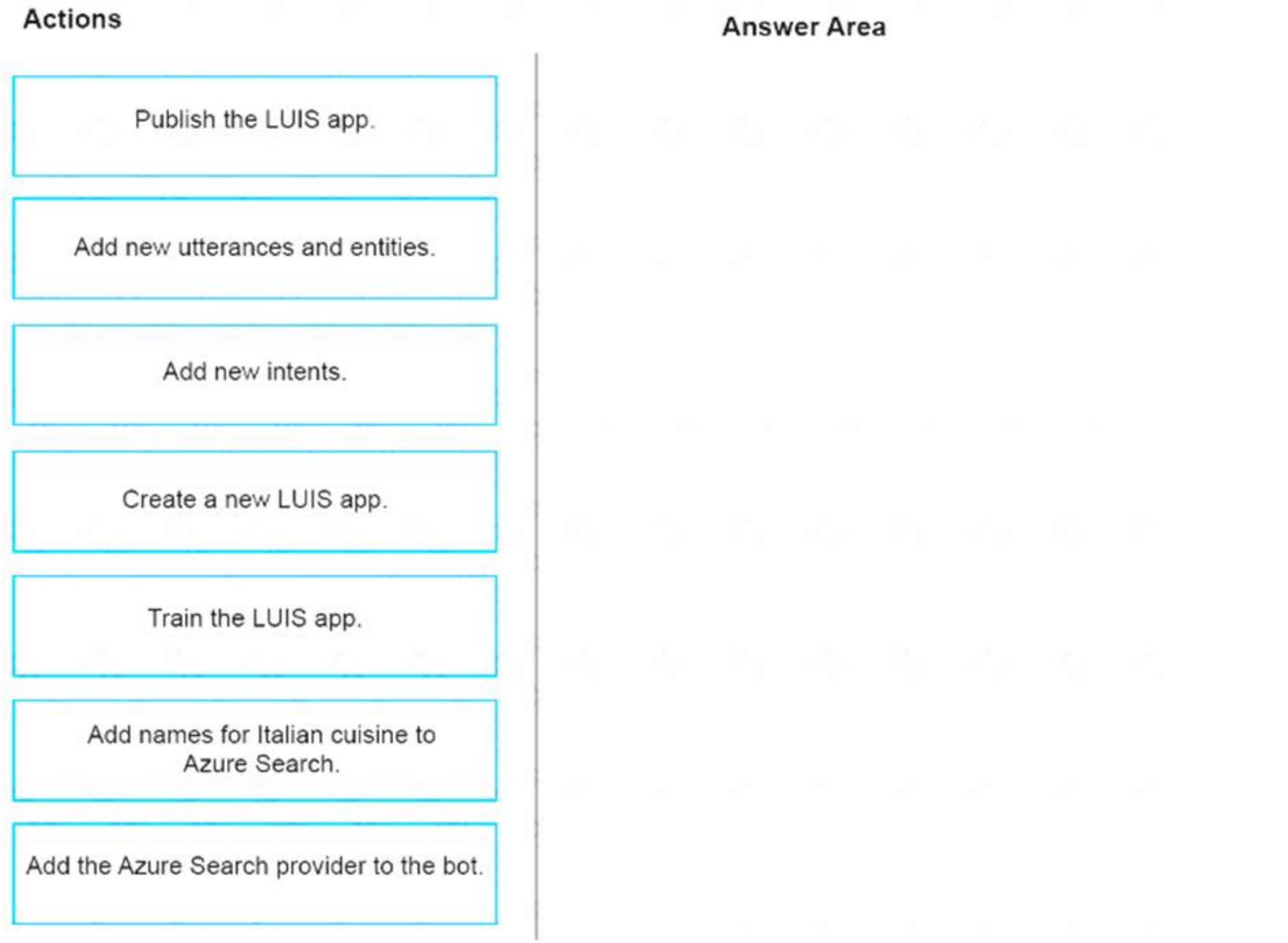
NEW QUESTION 109
You need to debug the user greeting issue. What should you use?

A. Azure Application Insights
B. Bot Framework Emulator
C. Bot Framework Channel Inspector

D. Bot Connector service
E. Azure Compote Emulator

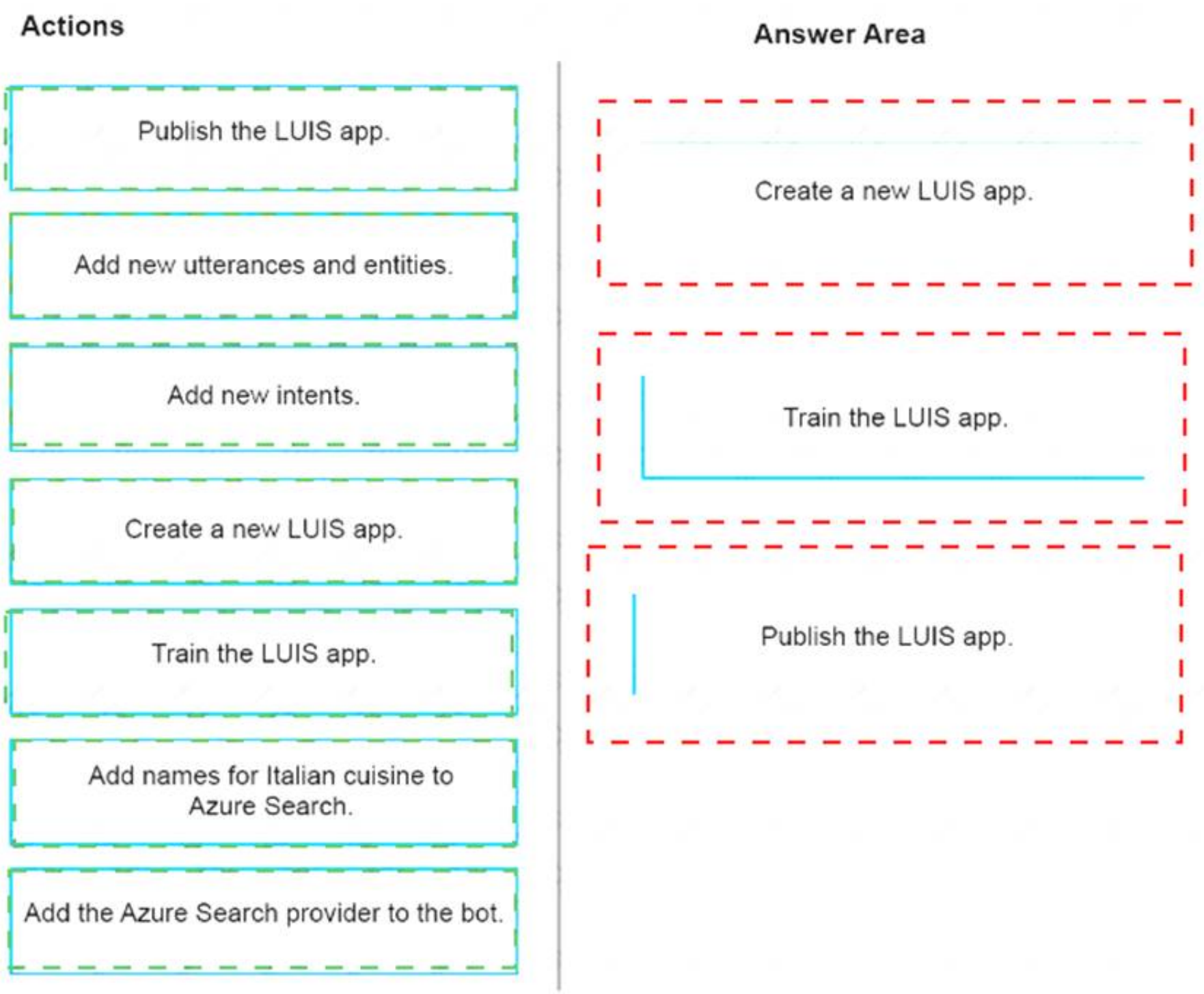
Answer: A

NEW QUESTION 114
You need to resolve the language processing issue.
Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them on the correct order.



Answer:

Explanation:



NEW QUESTION 117
You need to resolve the delivery API error. What should you do?

A. Implement simple retry by using the EnableRetryOnFailure feature of Entity Framework.
B. Implement exponential backoff by using the EnableRetryOnFailure feature of Entity Framework.
C. Implement a Circuit Breaker pattern by using the EnableRetryOnFailure feature of Entity Framework.
D. Invoke a custom execution strategy in Entity Framework.

Answer: B

Explanation: References:
https://docs.microsoft.com/en-us/azure/sql-database/sql-database-develop-error-messages

NEW QUESTION 121
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals.
You need to meet the vendor notification requirement.
Solution: Update the Delivery API to send emails by using a cloud-based email service. Does the solution meet the goal?

A. Yes
B. No

Answer: B

Explanation: References:
https://docs.microsoft.com/en-us/azure/api-management/api-management-howto-configure-notifications

NEW QUESTION 124
You need to meet the vendor notification requirement.
Solution: Create and apply a custom outbound Azure API Management policy. Does the solution meet the goal?

A. Yes
B. No

Answer: B

Explanation: References:
https://docs.microsoft.com/en-us/azure/api-management/api-management-howto-configure-notifications

NEW QUESTION 127
.....

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