

## AZ-302 Dumps

### Microsoft Azure Solutions Architect Certification Transition

<https://www.certleader.com/AZ-302-dumps.html>



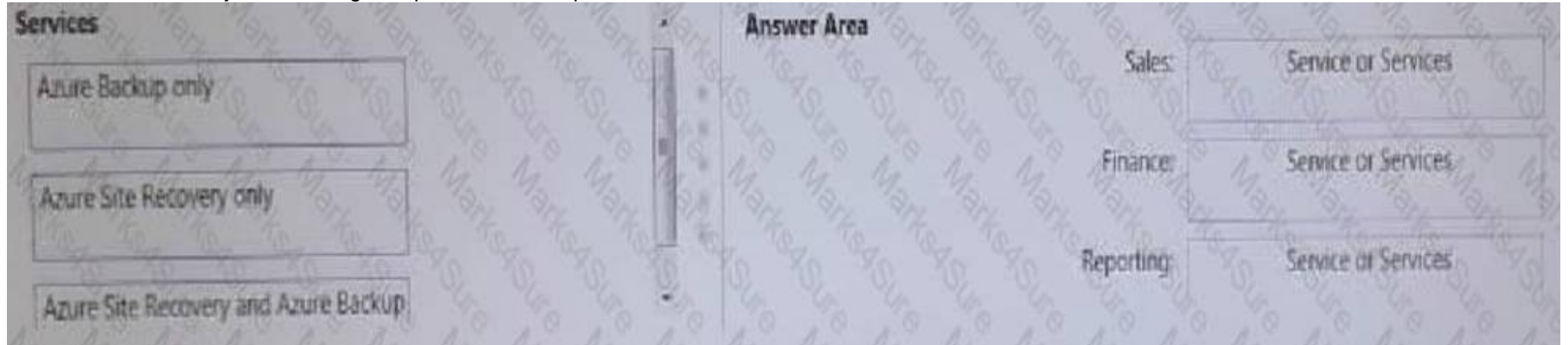
### NEW QUESTION 1

Your company identifies the following business continuity and disaster recovery objectives for virtual machines that host sales, finance, and reporting application in the company's on-premises data center.

- The finance application requires that data be retained for seven years. In the event of a disaster, the application must be able to run from Azure. The recovery in objective (RTO) is 10 minutes,
- The reporting application must be able to recover point in-time data at a daily granularity. The RTO is eight hours.
- The sales application must be able to fail over to second on-premises data center.

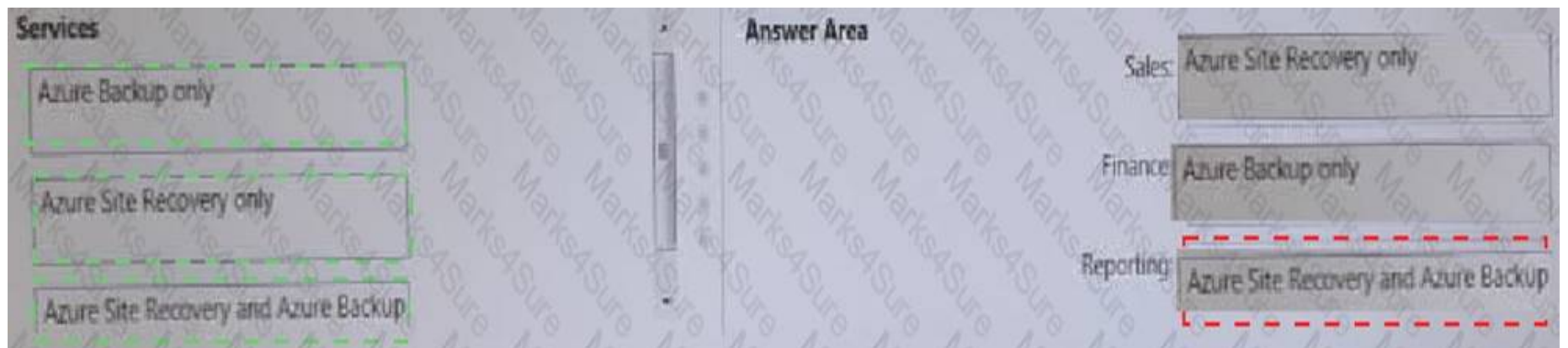
You need to recommend which Azure services meet the business community and disaster recovery objectives. The solution must minimize costs.

What should you recommend for each application? To answer, drag the appropriate services to the correct application. Each service may be used once. More than once not at an You may need to drag the spin bar between panes or scroll to view content.



**Answer:**

**Explanation:**



### NEW QUESTION 2

You are creating a collaborative image hosting platform as an ASP.NET MVC web application. Users add, update, and modify images on the platform. Images are stored in Azure Blob storage.

More than one user at a time must be able to modify the same image. You need to implement optimistic concurrency for uploading images.

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.

Actions

Store the ETag of the blob for further use, and let the user make the necessary modifications to the image.

Check response headers. If the status code equals 200, notify that it is a success. If the code is 412, notify the user about a conflicting change.

Retrieve an image blob from the storage service. The response includes an HTTP ETag Header value that identifies the current version of the image (Blob).

When you upload the image, include the ETag in the If-match conditional header of the PUT BLOB request.

When you upload the image, include the Etag in the If-None-Match conditional header of the PUT BLOB request.

Answer Area

**Answer:**

**Explanation:** References:  
<https://azure.microsoft.com/en-gb/blog/managing-concurrency-in-microsoft-azure-storage-2/>

**NEW QUESTION 3**

You have standard Load balancer configured to support three virtual machines on the same subnet. You need to recommend a solution to notify administrators when the load balancer fails.

Which metrics should you recommend using to test the load balancer? To answer, drag the appropriate metrics to the correct conditions. Each metric 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.

NOT: Each correct selection is worth one point.

Metrics

Byte Count

Health Probe Status

SNAT Connection Count

Data Path Availability

Packet Count

SYN Count

Answer Area

Backend instance health:

Metric

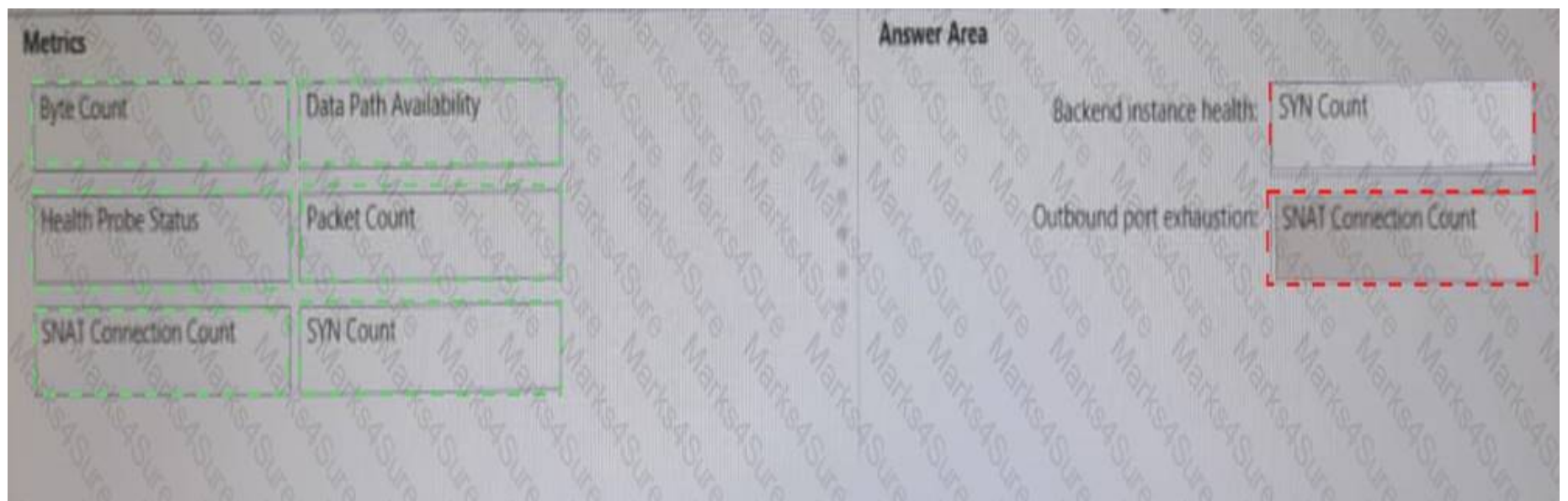
Outbound port exhaustion:

Metric



**Answer:**

**Explanation:**



#### NEW QUESTION 4

Members of the finance department for a company review and make changes to a Microsoft Excel workbook that is hosted on OneDrive. The workbook contains projected costs and revenue for a project.

You need to develop an Azure Function that ingests data from the modified workbook and places it into a Microsoft Word document.

Which two objects should you implement? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. An Excel table output binding
- B. A group conversation subscription
- C. A group subscription
- D. An auth token input binding
- E. An Excel table input binding

**Answer:** BE

#### NEW QUESTION 5

You are designing an Azure web app. You plan to deploy the web app to the Europe Azure region and the West Europe region.

You need to recommend a solution for the web app. The solution must the following requirements: Users must always access the web app form the North region, unless the region fails.

The web app must be available to users if an Azure region is unavailable. Deployment costs must be minimized.

What should you include in the recommendation? To answer, select the appropriate options in the area. NOTE: Each correct selection is worth one point.



**Answer:**

**Explanation:**



#### NEW QUESTION 6

You have an Azure environment that contains the Azure subscription and the virtual networks shown in the following table.

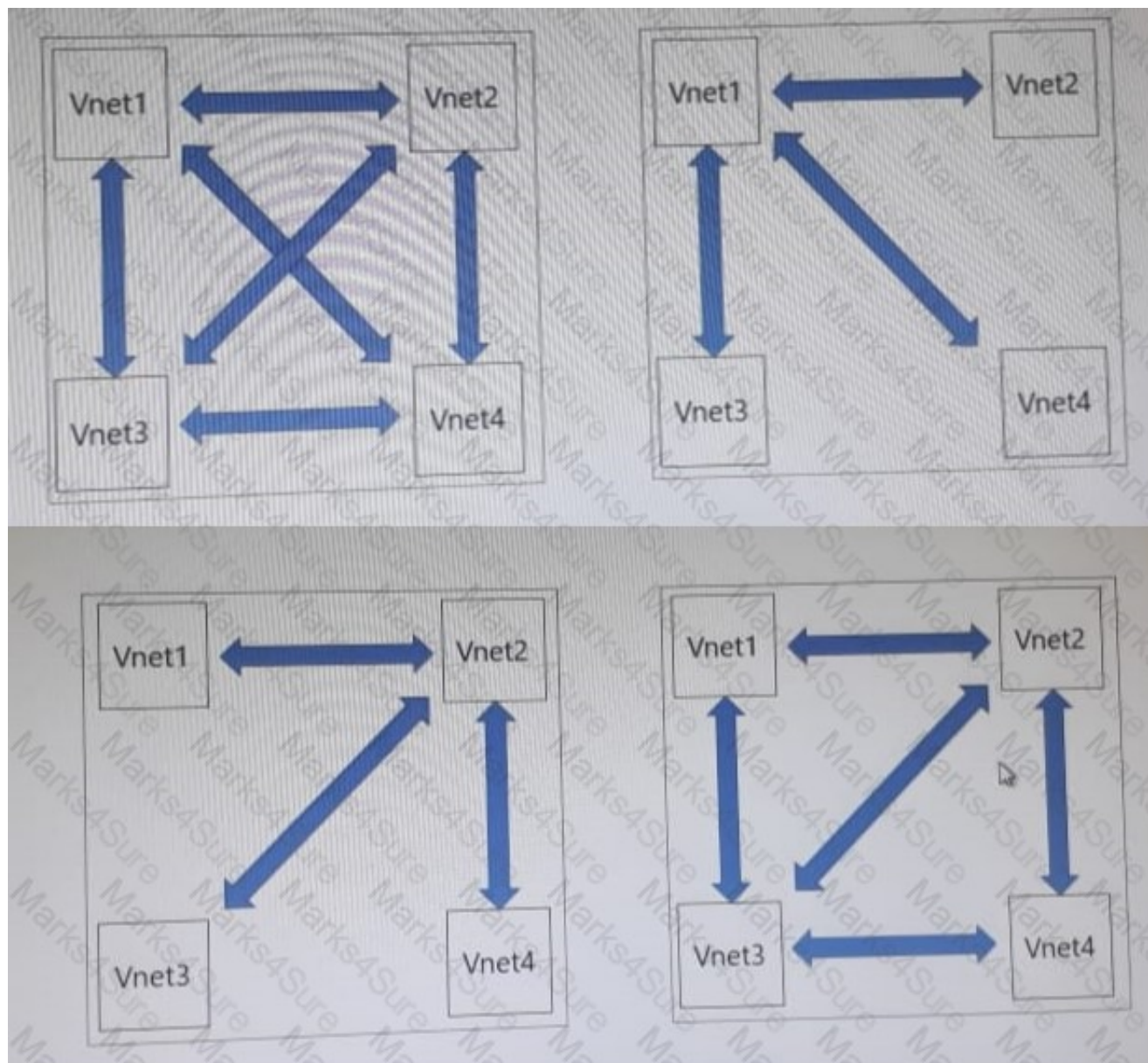
Virtual network name	Subscription name	Virtual network type
Vnet1	Subscription1	Classic mode
Vnet2	Subscription1	Resource Manager
Vnet3	Subscription1	Resource Manager
Vnet4	Subscription2	Resource Manager

You need to recommend a virtual network peering solution to ensure that the resources connected to any other virtual network. The solution must minimize administrative effort.

Which virtual network peering topology should you recommend? To answer, select the appropriate topology in the answer area.

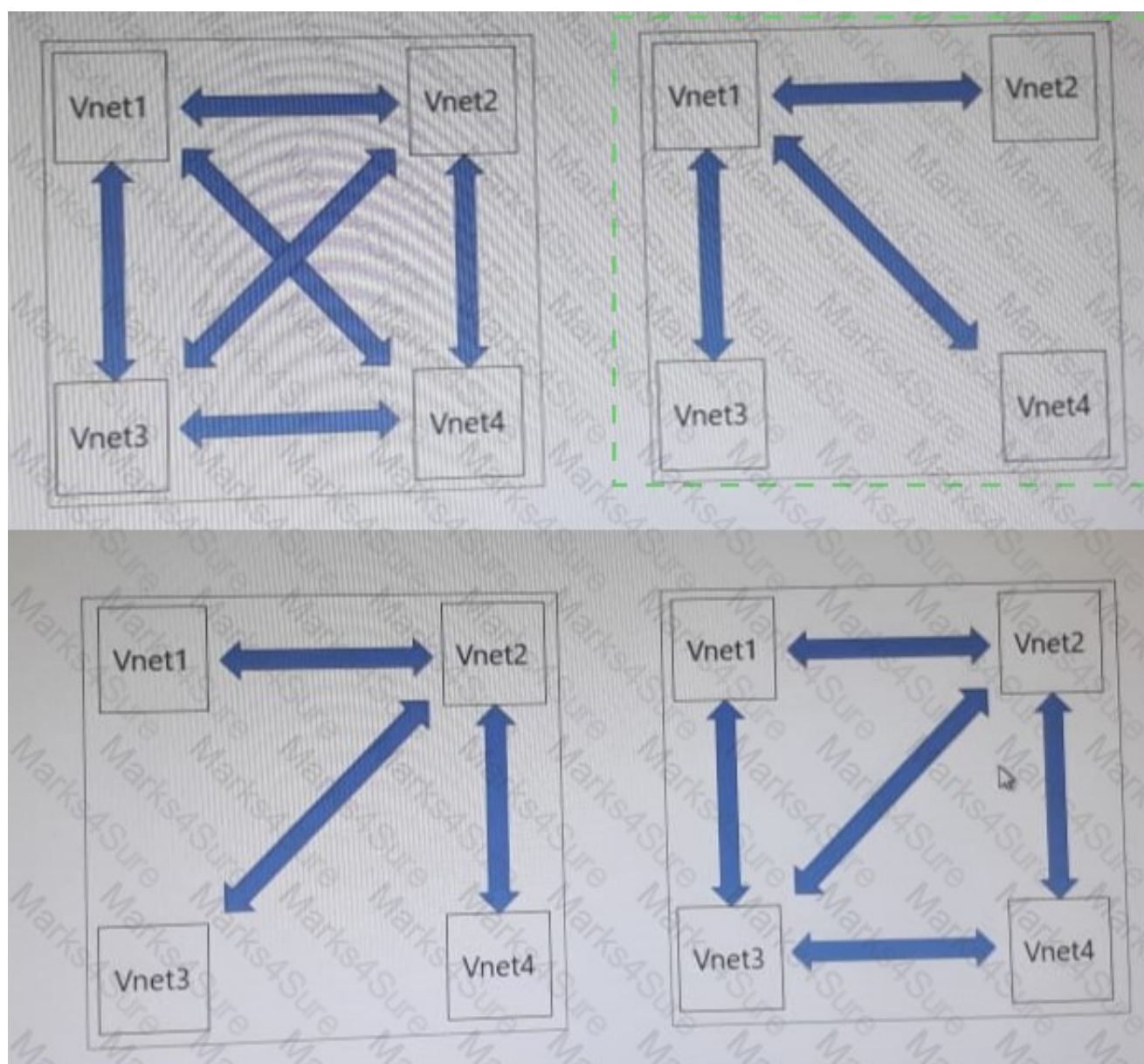
NOTE: Each correct selection is worth one point,





Answer:

Explanation:



#### NEW QUESTION 7

You configure OAuth 2 authorization in API Management as shown in the following exhibit.

**Add OAuth2 service**  
API Management service

\* Display name  
Unique name used to reference this authorization server on the p... ✓

\* Id  
✓

Description  
Authorization server description

\* Client registration page URL  
https://contoso.com/register ✓

**Authorization grant types**

☒ Authorization code

☐ Implicit

☐ Resource owner password

☐ Client credentials

\* Authorization endpoint URL  
https://login.microsoftonline.com/onmicrosoft.com/ ✓

☐ Support state parameter

Authorization request method  
☒ GET  
☐ POST

\* Token endpoint URL

Additional body parameters using application/x-www-form-urlencoded format

**Create**

The selected authorization grant type is for [answer choice].

- Background services
- Headless device authentication
- Single page applications
- Web Applications

To enable custom data in the grant flow, select [answer choice].

- Client credentials
- Implicit
- Resource owner password
- Support state parameter

**Answer:**

**Explanation:** The selected authorization grant type is for [answer choice].

- Background services
- Headless device authentication
- Single page applications
- Web Applications

To enable custom data in the grant flow, select [answer choice].

- Client credentials
- Implicit
- Resource owner password
- Support state parameter



### NEW QUESTION 8

You develop cloud solutions for an organization. The organization creates a mailing list for each new project that is announced to the public. You add users manually to a MailChimp list when a request email is sent to a community manager's Microsoft Office 365 email account.

You need to automate the process of adding new users to the MailChimp list by using an Azure Logic App.

Which five 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.

The screenshot shows the Azure Logic App designer interface. On the left, under the 'Actions' tab, there is a list of six actions: 'Add an Office 365 Outlook create event action.', 'Add an Office 365 Outlook approval email action.', 'Add a condition.', 'Add an action to the If True branch that adds the user to the MailChimp list.', 'Create a trigger for incoming Office 365 email.', and 'Create an Azure Logic App.'. On the right, there is an empty 'Answer area'. Between the two panels are two circular arrows, one pointing right and one pointing left, indicating the drag-and-drop functionality.

**Answer:**

**Explanation:**

The screenshot shows the same Azure Logic App designer interface as before, but now the 'Answer area' contains five actions in a specific sequence, enclosed in a red dashed box. The actions are: 'Add an Office 365 Outlook approval email action.', 'Add a condition.', 'Create an Azure Logic App.', 'Add an Office 365 Outlook create event action.', and 'Create a trigger for incoming Office 365 email.'. The 'Add an action to the If True branch that adds the user to the MailChimp list.' action is not in the answer area. The 'Add an Office 365 Outlook approval email action.' and 'Add a condition.' actions are at the top, followed by 'Create an Azure Logic App.', then 'Add an Office 365 Outlook create event action.', and finally 'Create a trigger for incoming Office 365 email.' at the bottom.

### NEW QUESTION 9

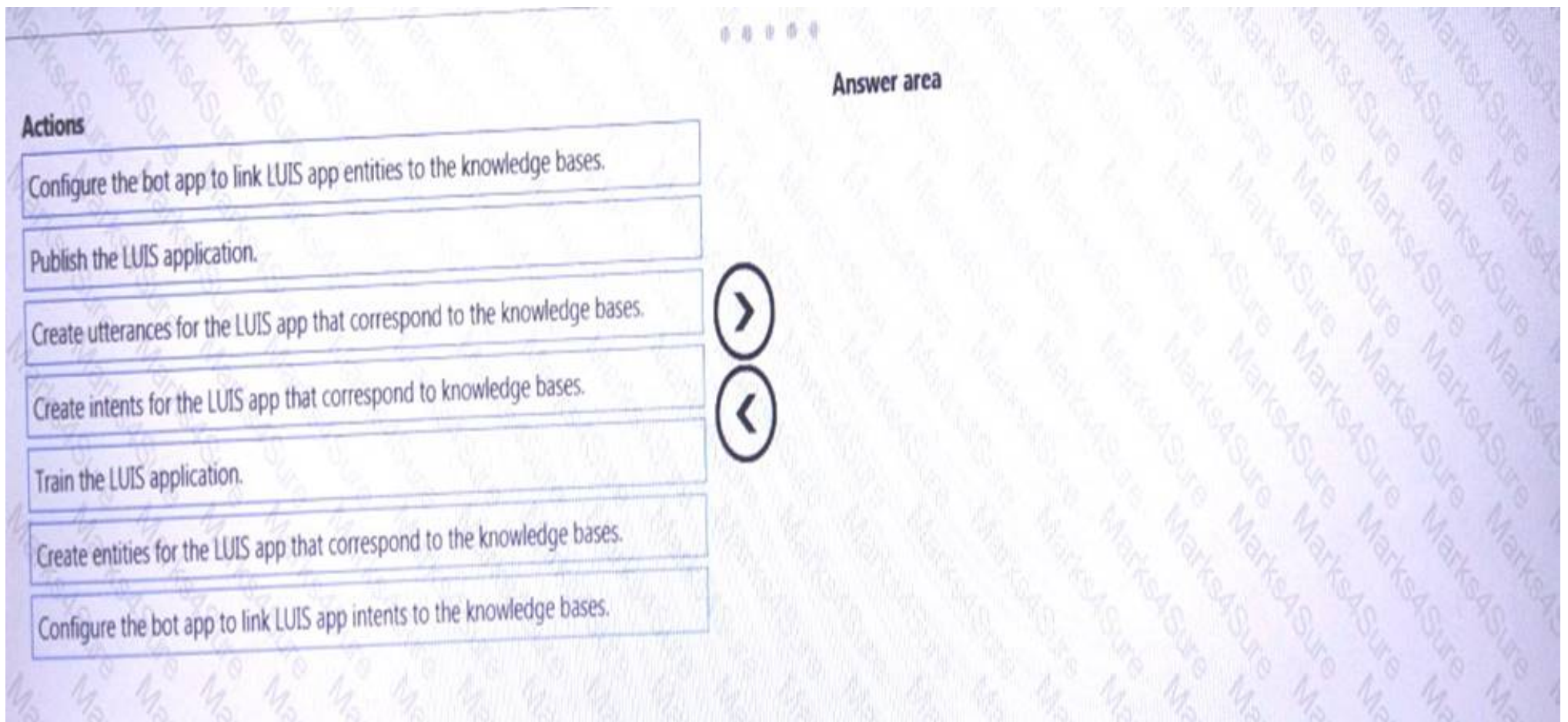
Your company develops a bot that uses QnA Maker knowledge bases and Language Understanding Intelligence Services (LUG). You create the QnA Maker service, knowledge bases, and the LUIS app.

The bot application must use LUIS to determine which QnA Maker knowledge base to use.

You need to integrate LUIS with the QnA Maker knowledge bases and maximize the effectiveness for selecting the QnA Maker knowledge bases before testing the bot.

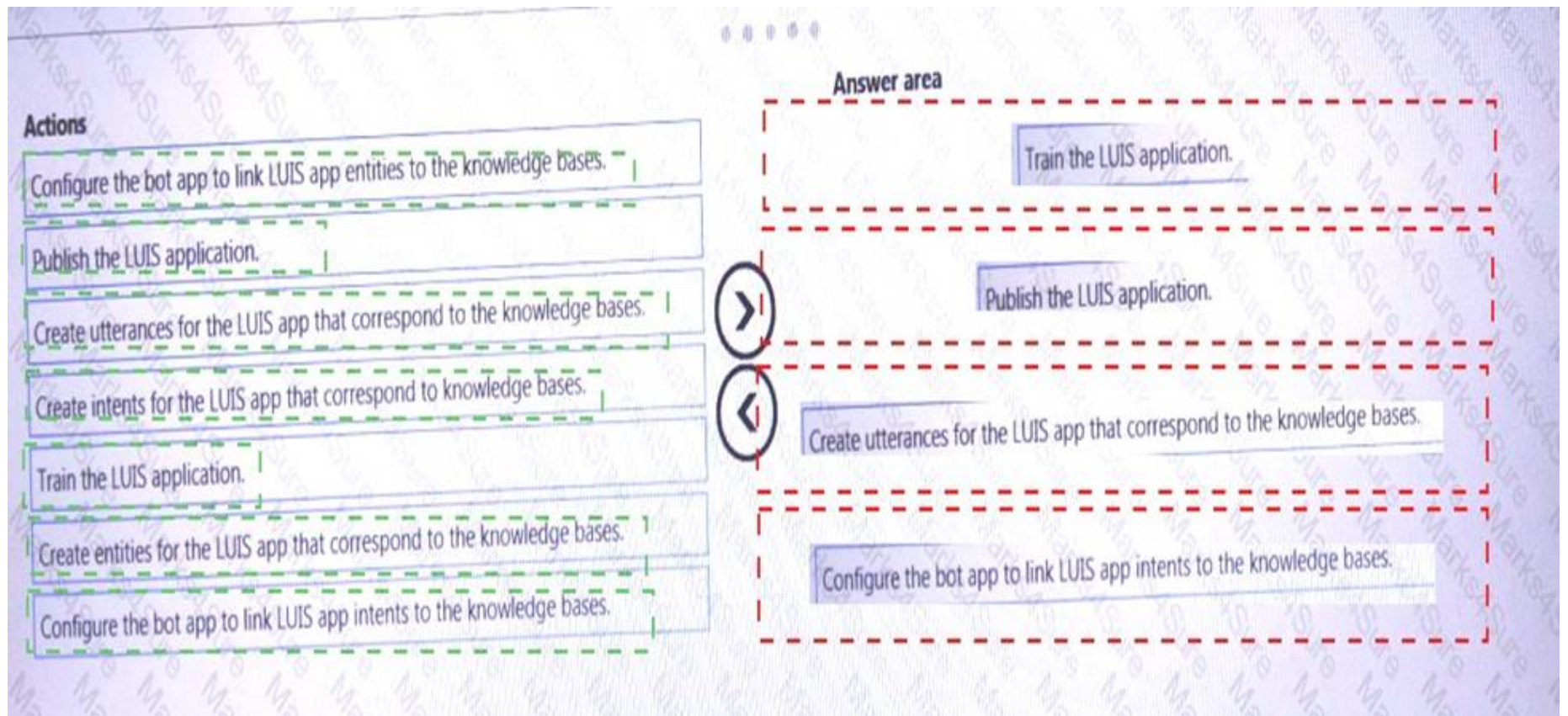
Which four actions should you perform in sequence?





**Answer:**

**Explanation:**



#### NEW QUESTION 10

You have an Azure subscription that contains a custom application named Application1. Application1 was developed by an external company named Fabric, Ltd. Developers at Fabrikam were assigned role-based access control (RBAC) permissions to the Application1 components. All users are licensed for the Microsoft 365 E5 plan. You need to recommend a solution to verify whether the Fabric developers still require permissions to Application1. The solution must meet the following requirements.

- \* To the manager of the developers, send a monthly email message that lists the access permissions to Application1.
- \* If the manager does not verify access permission, automatically revoke that permission.
- \* Minimize development effort. What should you recommend?

- A. Create an Azure Automation runbook that runs the Get-AzureADUSAppRoleAssignment cmdlet.
- B. In Azure Active Directory (Azure AD) create an access review of Application1.
- C. In Azure Active Directory (AD) privileged identity management, create a custom role assignment for the Application1 resources.
- D. Create an Azure Automation runbook that runs the get-AzureRmRolesAssigned cmdlet.

**Answer:** A

#### NEW QUESTION 10

You have an Azure Cosmos DB account named Account1 that has one write region and four read regions. You need to recommend a solution to ensure that, by default, any reads from Account1 will never see out-of-date writes. The solution must minimize costs. What should you recommend?

- A. Configure Account1 to use the Strong consistency level.



- B. Create all the containers m Account1 as fixed.
- C. Create all the containers m Account1 as unlimited.
- D. Configure Account 1 to use the Consistent Prefix consistency level

Answer: A

NEW QUESTION 15

You have an on premises Active Directory forest and an Azure Active Directory Azure AD) tenant. All Azure AD users are assigned a Premium P1 license. You deploy Azure AD Conned

Which two features ate available m this environment that can reduce operational overhead tot your company's help desk? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point

- A. sell- service password reset
- B. access review
- C. password writeback
- D. Azure AD Privileged Identity Management policies
- E. Microsoft Cloud App Security Conditional At access App Control

Answer: AD

NEW QUESTION 18

You are developing an online order website that uses Azure Durable Functions. You develop the following processes for the website:

Process	Requirements
Add items to the shopping cart.	<ul style="list-style-type: none"><li>• Check inventory to see if an item is in stock.</li><li>• If the item is in stock, add the item to the cart.</li><li>• If the item is not in stock, display a message to the user.</li></ul>
Delete items from the shopping cart.	<ul style="list-style-type: none"><li>• If the item count is greater than zero, display a warning message to the user.</li><li>• If the user selects the continue option, decrease the item count in the cart and refresh the display of the cart.</li><li>• If the user selects the cancel operation, display the cart.</li><li>• If the item count is zero, remove the item from the cart.</li></ul>
Complete checkout processes.	<ul style="list-style-type: none"><li>• Confirm order information, including quantities and shipment method.</li><li>• Collect billing information.</li><li>• Collect shipping information.</li><li>• Finalize the purchase.</li></ul>

You need to identify what types of functions to use for each step of the process.

Which function types should you use? To answer, drag the appropriate function types to the correct operations. Each function type 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.

Function types

ActivityOrchestratorClient

Answer Area

Operation

The system checks inventory to determine if it the item is in stock.

The system adds the item to the cart if the item is in stock.

The user clicks the checkout button.

The system collects billing information and completes the checkout process.

Function type

function type

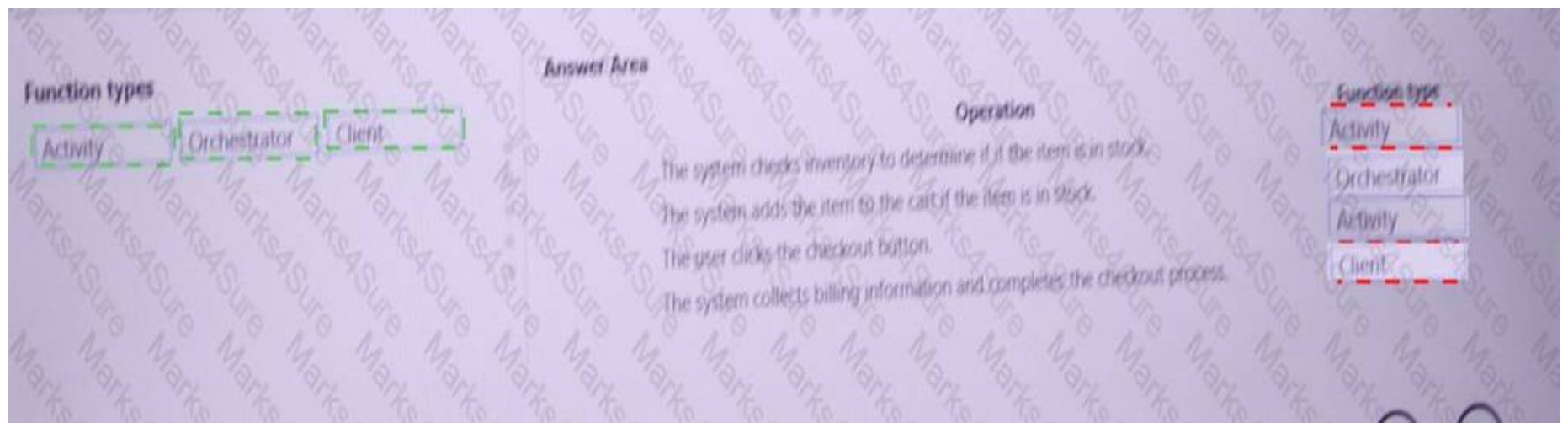
function type

function type

function type

Answer:

Explanation:



### NEW QUESTION 23

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 24

Your company has 300 virtual machines hosted in a VMWare environment. The virtual machines vary in size and have various utilization levels.

You plan to move all the virtual machines to Azure.

You need to recommend how many and what size Azure virtual machines will be required to move the current workloads to Azure. The solution must minimize administrative effort.

What should you use to make the recommendation?

- A. Azure Cost Management
- B. Azure Migrate
- C. Azure pricing calculator
- D. Azure Advisor recommendations

**Answer: A**

### NEW QUESTION 25

You have an on-premises network that uses an IP address space of 172.16.0.0/16. You plan to deploy 25 virtual machines to a new Azure subscription.



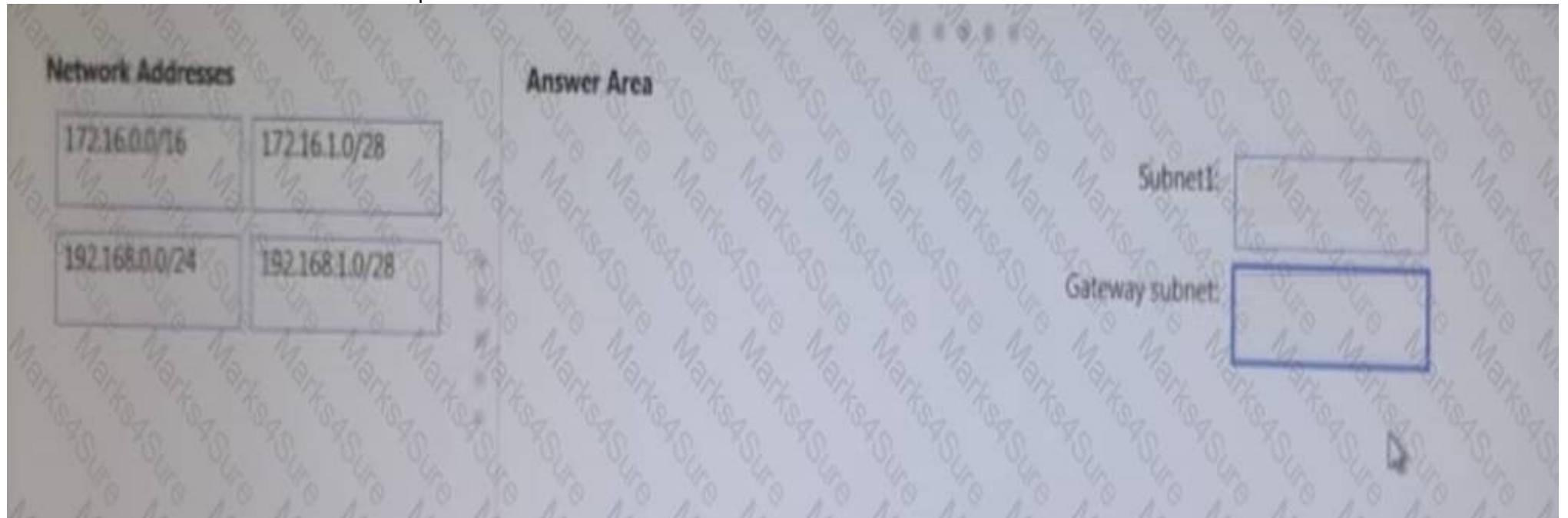
You identify the following technical requirements.

- ▶ All Azure virtual machines must be placed on the same subnet subnet1.
- ▶ All the Azure virtual machines must be able to communicate with all on premises servers.
- ▶ The servers must be able to communicate between the on-premises network and Azure by using a site to site VPN.

You need to recommend a subnet design that meets the technical requirements.

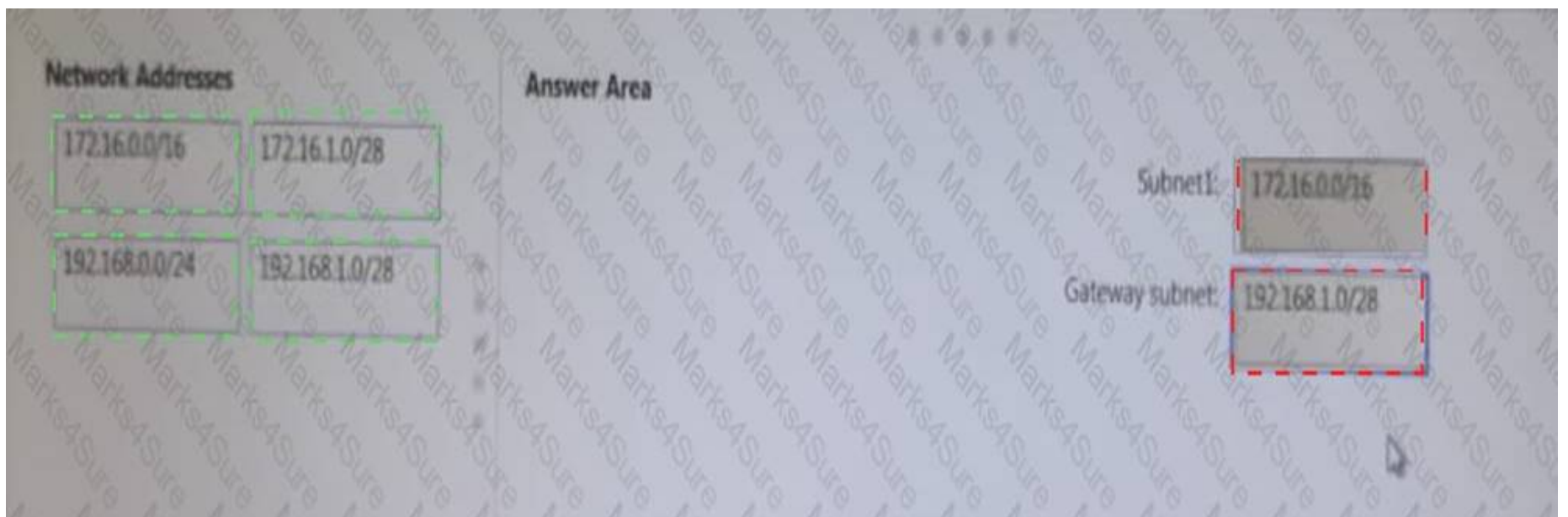
What should you include in the recommendation? To answer, drag the appropriate network addresses to the correct subnet. Each network address may be used once, more than once or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.



**Answer:**

**Explanation:**



#### NEW QUESTION 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. Webhook
- B. Activity
- C. Client
- D. Orchestrator

**Answer:** B

#### NEW QUESTION 31

You have 20 Azure virtual machines that run windows Server 2016 based on a custom virtual machine image. Each virtual machine an instance of a VSS-capable app that was developed in-house. Each instance is accessed by public endpoint . Each instance separate database. The average database size is 200 GB.

You need to design a disaster recovery solution for individual instances.

- Provide a recovery objective time object (RTO] of six hours.
- Provide a recovery point objective (RPO) at eight hours.
- Support recovery to a different Azure region.
- Support VSS- based backups.
- Minimize VSS-based backups.

What should you include in the recommendation? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point

Disaster recovery solution:

- Azure Site Recovery
- Scheduled backups by using an Azure Backup agent
- Scheduled backups by using Windows Server Backup
- Scheduled virtual machine-level backups

Storage type:

- A Recovery Services vault
- Managed disks
- Unmanaged disks in an storage account that uses RA-GRS

Answer:

Explanation:

Disaster recovery solution:

- Azure Site Recovery
- Scheduled backups by using an Azure Backup agent
- Scheduled backups by using Windows Server Backup
- Scheduled virtual machine-level backups

Storage type:

- A Recovery Services vault
- Managed disks
- Unmanaged disks in an storage account that uses RA-GRS

#### NEW QUESTION 36

You are developing an application that consists of an ASP.NET Core Web API website and a WebJob that starts automatically and runs continuously. You are building the deployment process for the application.

You need to ensure that both the website and the WebJob are deployed.

How should you structure the deployment folders? To answer, drag the appropriate path segments to the correct locations. Each path 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.

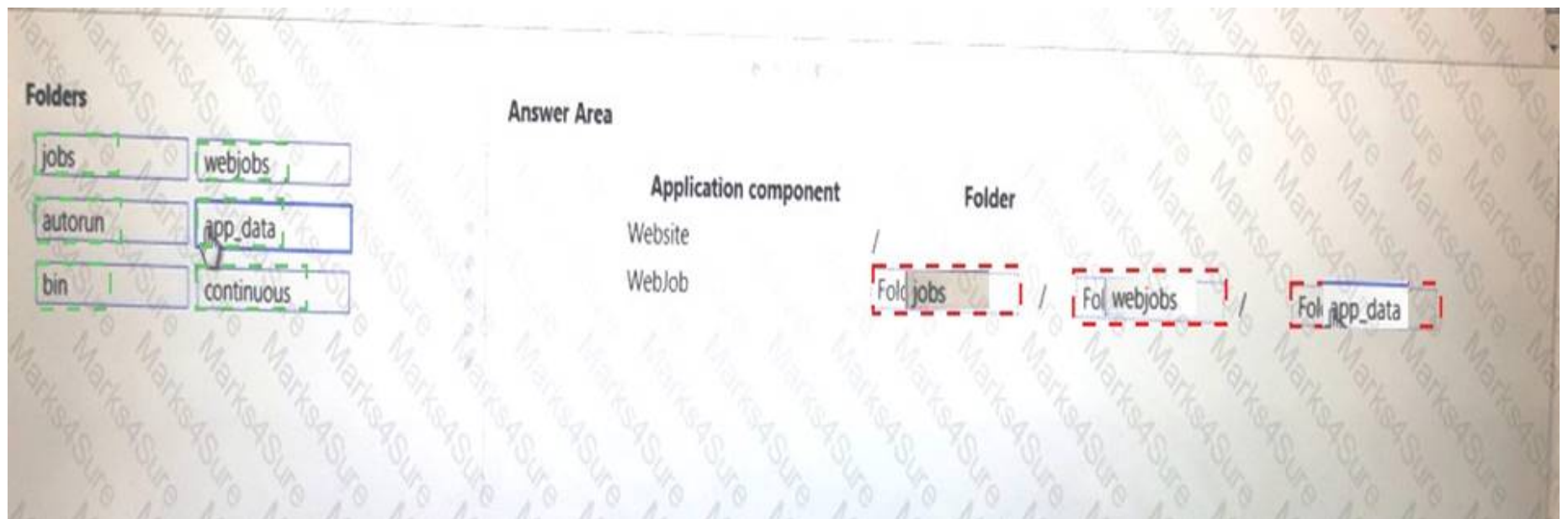
NOTE: Each correct selection is worth one point.

Application component	Folder
Website	/
WebJob	Folder / Folder / Folder

Answer:

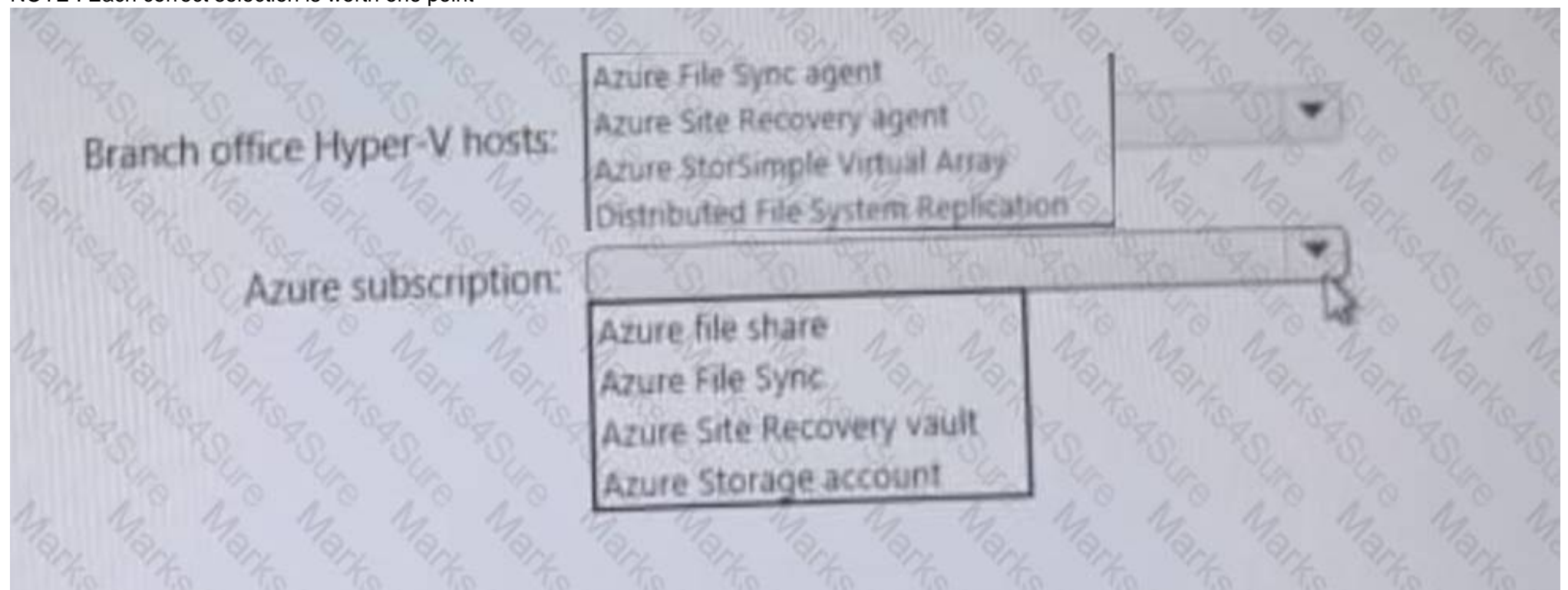
Explanation:





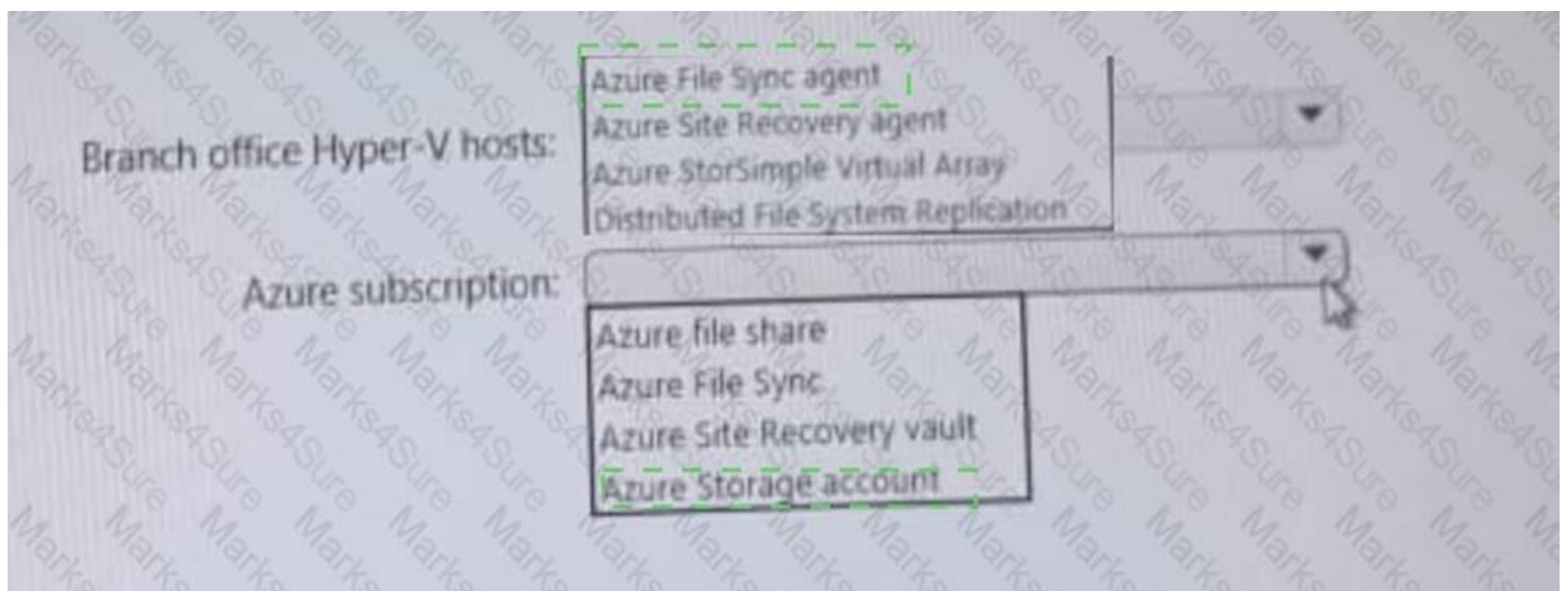
### NEW QUESTION 39

Your company has three branch offices and an Azure subscription. Each branch office contains a Hyper V host that hosts application servers. You need to recommend a storage solution for the branch offices. The solution must ensure that the application servers can connect to a central storage device by unrig 6C9 connections. Data saved to the iSCSI slot age device (torn the application servers must be uploaded to Azure automatically). Which components should you include in the recommendation? To answer, select the appropriate options in the answer area.  
NOTE : Each correct selection is worth one point



**Answer:**

**Explanation:**



### NEW QUESTION 43

You need to deploy resources to host a stateless web app in an Azure subscription. The solution must meet the following requirements:

- Provide access to the full .NET framework.
- Provide redundancy if an Azure region fails.
- Grant administrators access to the operating system to install custom application dependencies.

Solution: You deploy a web app in an Isolated App Service plan. Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

#### NEW QUESTION 46

Your development team plans to use an Azure subscription to test new applications. The application will reside on Azure virtual machines. The developers will be responsible for managing the subscription shared resources will be used by more than one application.

You need to recommend a deployment solution that meets the following requirements: Minimize administration effort for the developers

Ensures that the testing environment can be recreated consistently

Ensures that the testing cycle is complete, all the resources, except for the shared resources associated to each application are deleted

What should you include in the recommendation?

- A. Use JSON templates to create the resource
- B. Place the shared resources in one resource group, the application-specific resources in separate resource group.
- C. Use JSON templates to create the resource
- D. Place the shared resources in one resource group- Place all the application resources in a second resource group
- E. Use an Azure PowerShell script to create the resource
- F. Place the shared resources and the application-specific resources in the resources group.
- G. Use an Azure PowerShell script to create the resource
- H. Place the shared resources in one resource group Place the application-specific resources in separate resources groups.

**Answer:** B

#### NEW QUESTION 47

You develop an IoT solution by using Node.js. 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 Sensor 1. 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 the correct order.

The screenshot shows an interactive interface for selecting and ordering commands. On the left, under the heading "Commands", there is a list of six command boxes. On the right, under the heading "Answer area", there are four circular arrows (right, left, up, down) for reordering the selected items.

**Commands:**

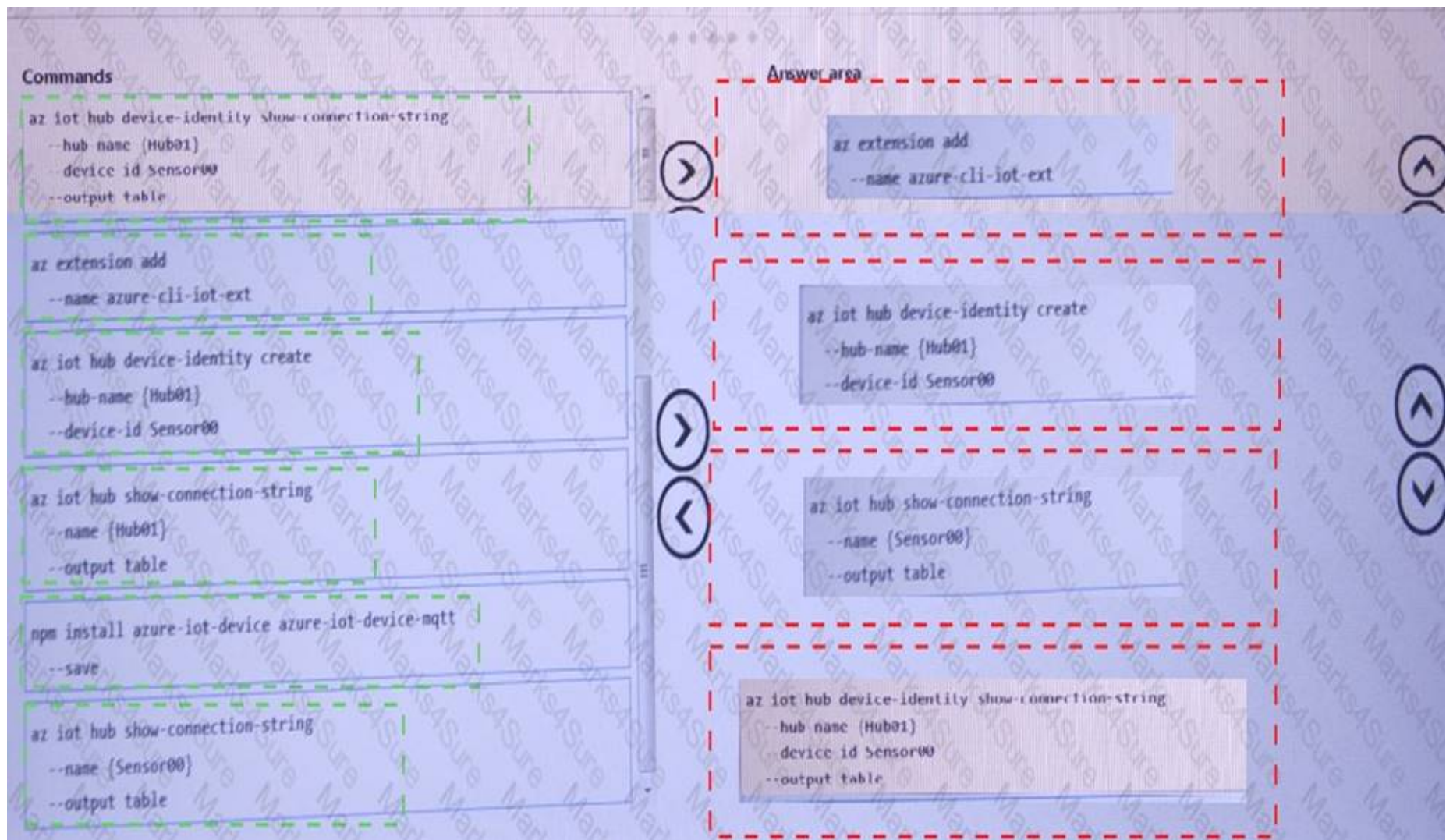
- az iot hub device-identity show-connection-string  
--hub-name {Hub01}  
--device-id Sensor00  
--output table
- az extension add  
--name azure-cli-iot-ext
- az iot hub device-identity create  
--hub-name {Hub01}  
--device-id Sensor00
- az iot hub show-connection-string  
--name {Hub01}  
--output table
- npm install azure-iot-device azure-iot-device-mqtt  
--save
- az iot hub show-connection-string  
--name {Sensor00}  
--output table

**Answer area:** (Contains four arrows for reordering: right, left, up, down)

**Answer:**

**Explanation:**





#### NEW QUESTION 48

You have .NET web service named service1 that has the following requirements.

- ▶ Must read and write to the local file system.
- ▶ Must write to the Windows Application event log.

You need to recommend a solution to host Service1 in Azure .

The solution must meet the following requirements:

- ▶ Minimize maintenance overhead.
- ▶ Minimize costs.

What should you include in the recommendation?

- A. an Azure web app
- B. Azure function
- C. an App service Environment
- D. an Azure virtual machine scale set

**Answer: B**

#### NEW QUESTION 49

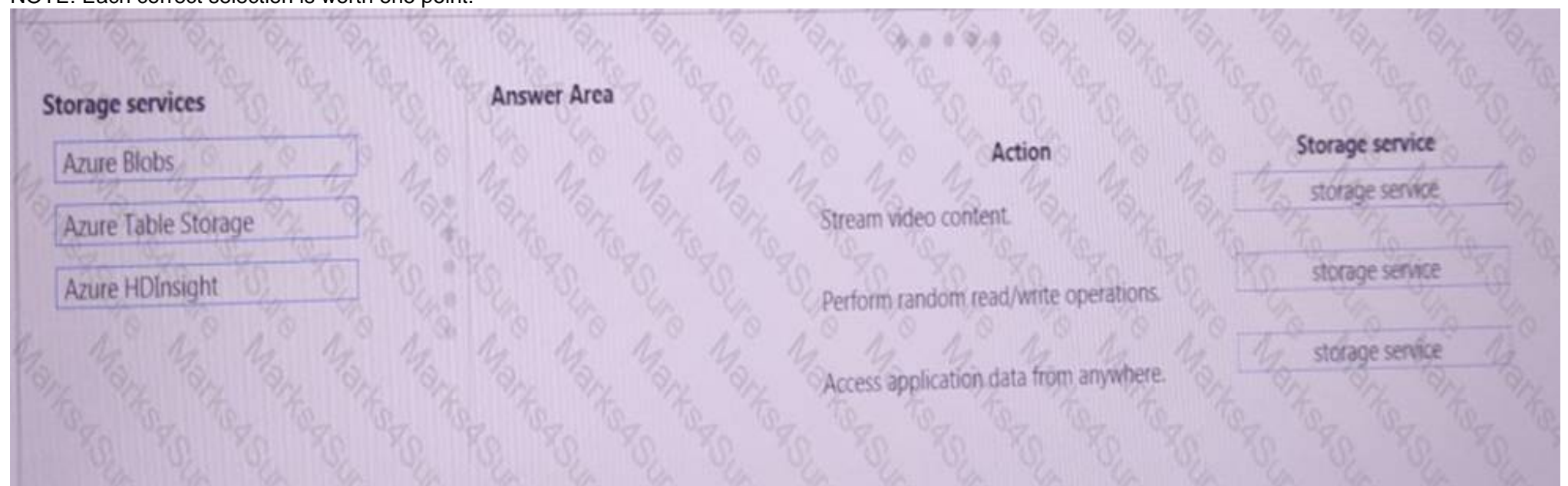
You are developing a web app that uses a RFST interface to connect to Azure Storage with HTTPS.

This app uploads and streams video content that can be accessed home anywhere in the world.

You have different storage requirements for each part of the app. A hierarchical namespace must be created. Which storage services should you implement? To answer, drag the appropriate services to the correct actions.

Each service may be used once, more than once, or not at al may need to drag the split bat between panes or scroll to view content.

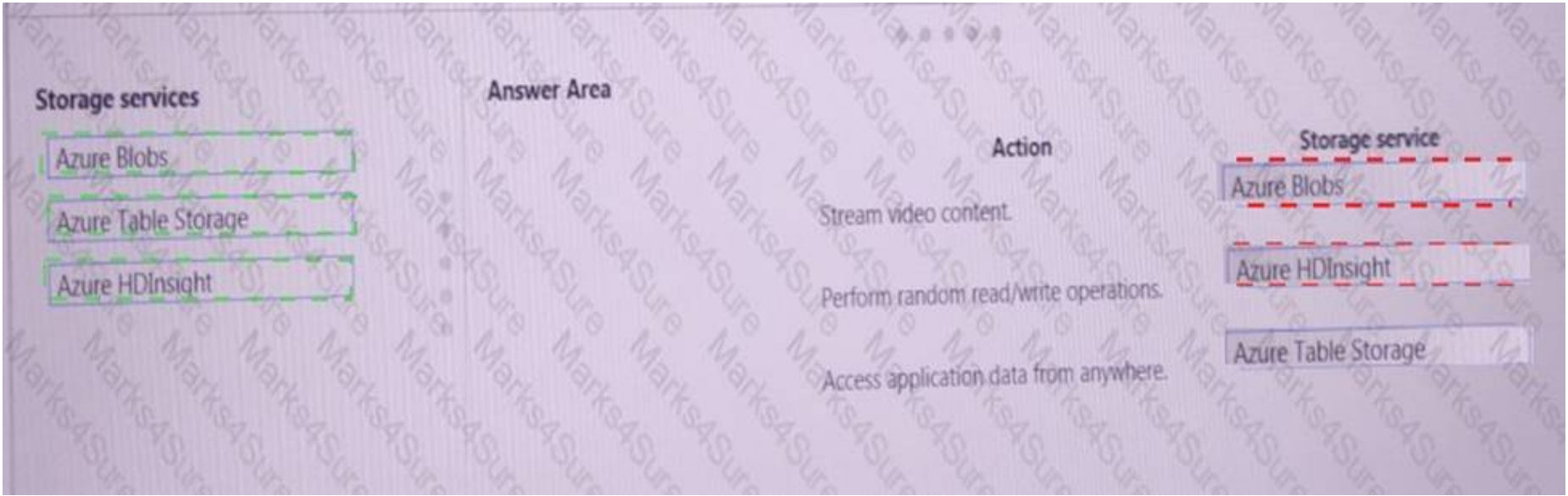
NOTE: Each correct selection is worth one point.





Answer:

Explanation:



**NEW QUESTION 51**

You plan to deploy a payroll system to Azure. The payroll system will use Azure virtual machines that run SUSE Linux Enterprise Server and Windows. You need to recommend a business continuity solution for the payroll system. The solution must meet the following requirements:

- Minimize costs.
- Provide business continuity if an Azure region fails.
- Provide a recovery time objective (RTO) of 30 minutes.
- Provide a recovery point objective (RPO) of five minutes.

What should you include in the recommendation?

- A. Microsoft System Center Data Protection Manager (DPM)
- B. Azure Site Recovery
- C. Azure Backup
- D. unmanaged disks that use geo-redundant storage (GRS)

Answer: D

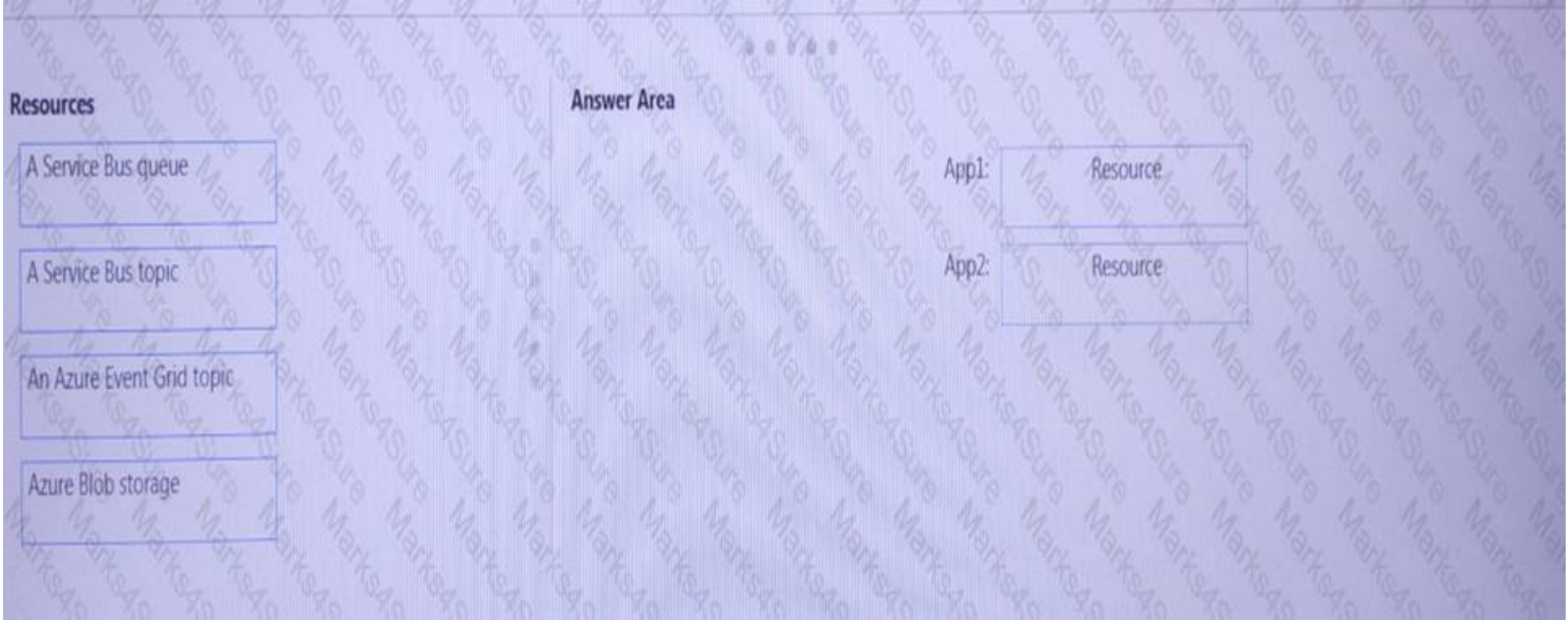
**NEW QUESTION 52**

You have an Azure subscription that contains an Azure Service Bus named Bus1.

Your company plans to deploy two Azure web apps named App1 and App2. The web apps will create messages that have the following requirements:

- Each message created by App1 must be consumed by only a single consumer
- Each message created by App2 will be consumed by multiple consumers.

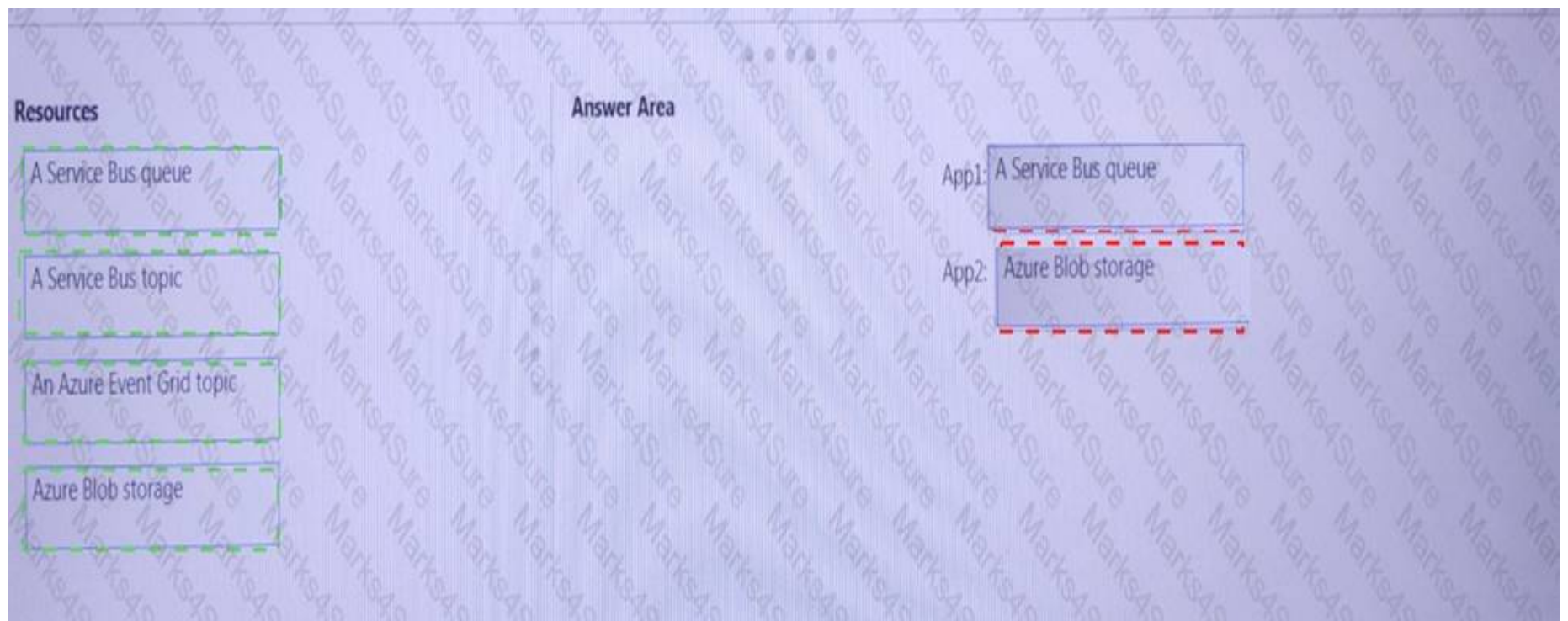
Which resource should you create for each web app? To answer, drag the appropriate resources to the correct web apps. Each resource may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.



Answer:

Explanation:



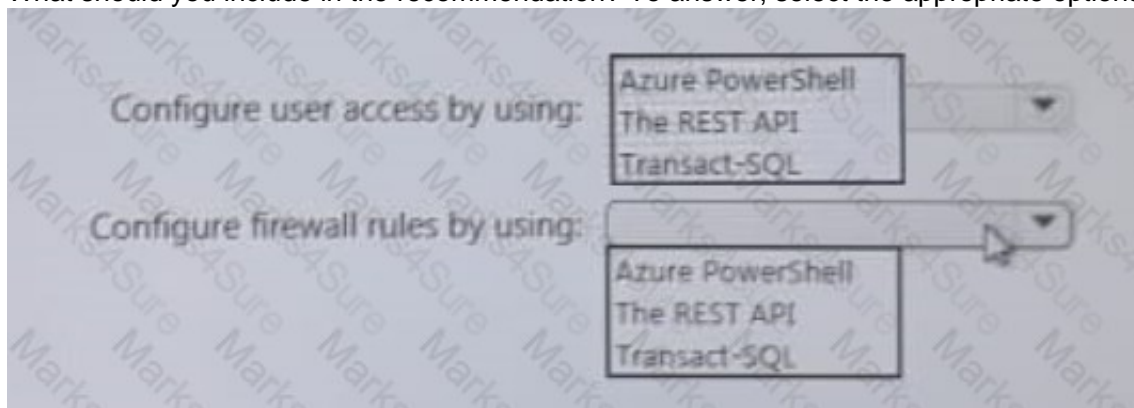


#### NEW QUESTION 56

You plan to deploy logical Azure SQL Database servers to The East US Azure region and the Wen US Azure region. Each server will contain 20 database accessed by a different user who reads in a different on premises location. The databases will be configured to use active geo-replication. You need to recommend a solution that meets the following requirement!;

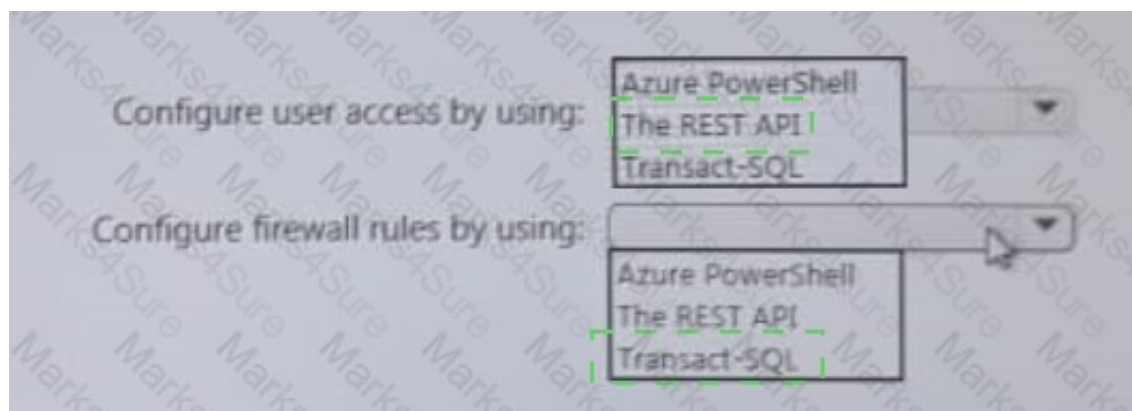
- Restricts user access to each database
- Restricts network access to each database based on each user's respective location
- Ensures that the databases remain accessible from down applications if the local Azure region fails

What should you include in the recommendation? To answer, select the appropriate options m the answer area NOTE: Each correct selection is worth one point.



**Answer:**

**Explanation:**



#### NEW QUESTION 57

You are designing an Azure solution for a company that wants to move a .NET Core web application an on-premises data center to Azure. The web application relies on a Microsoft SQL Server 2016 database on Windows Server 2016. The database server will not move to Azure.

A separate networking team is responsible for configuring network permissions.

The company uses Azure ExpressRoute and has an ExpressRoute gateway connected to an Azure virtual network named VNET1.

You need to recommend a solution for deploying the web application.

Solution: Solution: Deploy the web application by using an Azure Kubernetes Service (AKS) container on VNET1

Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

#### NEW QUESTION 58

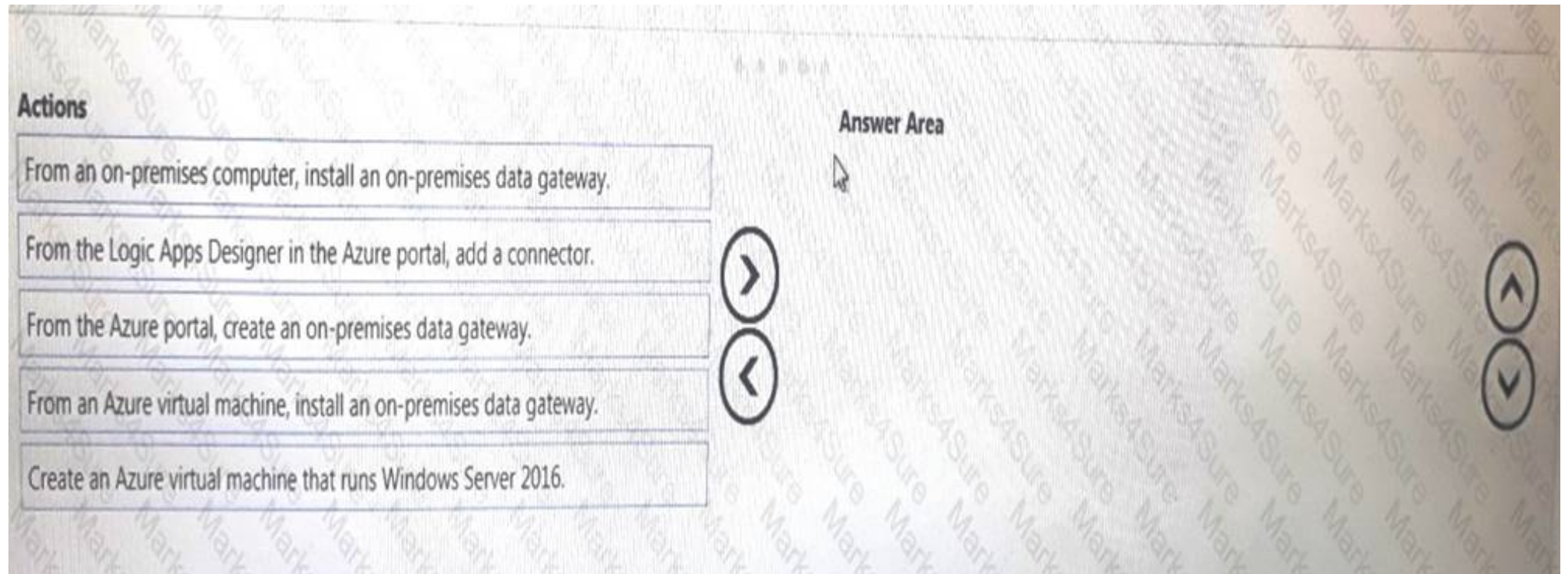
You have an on-premises network that includes a Microsoft SQL Server instance named SQL1. You create an Azure Logic App named App1.

You need to ensure that App1 can query a database on SQL1.

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

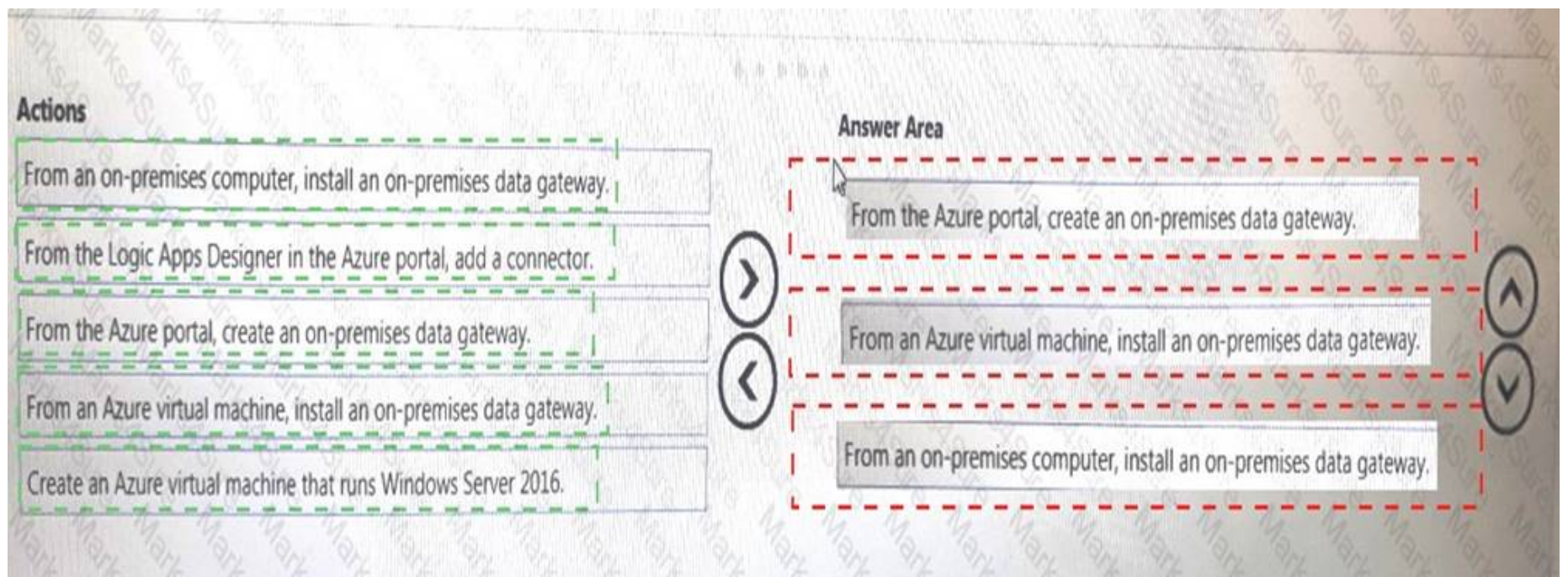


correct order.



**Answer:**

**Explanation:**



#### NEW QUESTION 61

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 need to deploy resources to host a stateless web app in an Azure subscription. The solution must meet the following requirements:

- Provide access to the full .NET framework.
  - Provide redundancy if an Azure region fails.
  - Grant administrators access to the operating system to install custom application dependencies.
- Solution: You deploy an Azure virtual machine to two Azure regions, and you create a Traffic Manager profile.

Does this meet the goal?

- A. Yes
- B. No

**Answer: A**

#### NEW QUESTION 64

A company is migrating an existing on-premises third-party website to Azure. The website is stateless. The company does not have access to the source code for the website. They do have the original installer.

The number of visitors at the website varies throughout the year. The on-premises infrastructure was resized to accommodate peaks but the extra capacity was not used.

You need to implement a virtual machine scale set instance. What should you do?

- A. Use only default diagnostics metrics to trigger auto scaling.
- B. Create 100 auto scale settings per resource.
- C. Use an auto scale setting to define one or more profiles that have one or more auto scale rules.
- D. Scale out by one instance when the average CPU usage of one of the instances is over 80 percent.

**Answer: A**



**NEW QUESTION 68**

You have the application architecture shown in the following exhibit.



Use the drop-down 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 Area**

To change the front end to an active/active architecture in which both regions process incoming connections, you must [answer choice]

To control the threshold for failing over the front end to the standby region, you must configure the [answer choice]

**Answer:**

**Explanation:**

**Answer Area**

To change the front end to an active/active architecture in which both regions process incoming connections, you must [answer choice]

To control the threshold for failing over the front end to the standby region, you must configure the [answer choice]

**NEW QUESTION 73**

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 use ASP.NET Core MVC with ADO.NET to develop an application. You implement database sharding for the application by using Azure SQL Database. You establish communication links between the shard databases.

You need to implement a strategy that allows a group of operations that are performed on multiple Azure databases to be rolled back on all databases if any of the operations fail.

Solution:

Deploy a SQL database instance in an Azure Virtual Machine (VM).

- Establish linked servers to each Azure SQL Database instance from the SQL Server instance in the VM.
- Create a stored procedure in the VM that performs the update operations using a distributed transaction and commits them if successful.
- Run the SQL stored procedure on the SQL Server instance in the VM. Does the solution meet the goal?

- A. Yes
- B. No

**Answer: A**

**NEW QUESTION 75**

You are designing a container solution in azure that will include two containers. One container will host a web API that will be available to the public. The other container will perform health monitoring of the web API and will remain private. The two containers will be deployed together as a group.

You need to recommend a compute service for the containers. The solution must minimize costs and maintenance over head.

What should you include in the recommendation?

- A. Azure container instances
- B. Azure container Service
- C. Azure kubernetes service (aks)

D. Azure service fabric

**Answer:** D

#### NEW QUESTION 78

You are planning to deploy an application by using the Azure Kubernets Services (AKS)> the application will reedy on having access to an encryption key that will be used to ... transmit files

What should you use to provides the encryption key AKS security?

- A. secrets
- B. Azure Storage Service Encryption
- C. a Kubernetes deployment YAML file
- D. ConfiguMap

**Answer:** C

#### NEW QUESTION 79

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 need to deploy resources to host a stateless web app in an Azure subscription. The solution must meet the following requirements:

- Provide access to the full .NET framework.
- Provide redundancy it an Azure legion fails.
- Grant administrators access to the operating system to install custom application dependencies. Solution: You deploy a web app in an Isolated App Service plan.

Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

#### NEW QUESTION 84

You have an Azure subscription for used for testing and development purposes only. The subscription contains Azure virtual machines that unmanaged, standard hard disk drives (HDD).

You need to recommend a recovery strategy for the virtual machines if an Azure region fails for a sustained period. The recovery time objective WTO) can be up to seven days. The solution must minimize costs.

What should you include in the recommendation?





- A. Store disks in a Standard\_LRS storage accoun
- B. If a disaster occurs, manually create the virtual machines by using Azure Resource manager templates.
- C. Store disks in a Standard\_LRS storage accoun
- D. Configure Azure Site Recover
- E. If a failure occurs, initiate a manual failover.
- F. Store disks in a Standard\_GRS storage accoun
- G. Configure Azure Site Recover
- H. If a failure occurs, initiate a manual failover.
- I. Store disks in a Standard\_GRS storage accoun
- J. If a disaster occurs, manually create the virtual machines by using Azure Resource manager templates.

**Answer:** D

#### NEW QUESTION 85

You plan to deploy a payroll system to Azure. The payroll system will use Azure virtual machines that run SUSE Linux Enterprise Server and Windows.

You need to recommend a business continuity solution for the payroll system. The solution must meet the following requirements:

-  Minimize costs.
-  Provide business continuity if an Azure region fails.
-  Provide a recovery time objective (RTO) of 30 minutes.
-  Provide a recovery point objective (RPO) of five minutes.

What should you include in the recommendation?

- A. Microsoft System Center Data Protection Manage (DPM)
- B. unmanaged disks that use geo-redundant storage (GRS)
- C. Azure Site Recovery
- D. Azure Backup

**Answer:** B

#### NEW QUESTION 89

A company is creating an IoT solution for connecting to smart refrigerators. You plan to use the Azure IoT Hub Device Provisioning Service for this process.

You need to provision the devices automatically.

Which feature of Device Provisioning Service should you use?

- A. Delivery and retry
- B. Device enrollment
- C. Error policy



D. Remote monitoring

**Answer:** C

#### NEW QUESTION 92

You are planning an Azure solution that will host production database for a high-performance application. The solution will include the following components:

- ▶ Two virtual machines that will run Microsoft SQL Server 2016, will be deployed to different data centers in the same Azure region, and will be part of an Always On availability group.
- ▶ SQL server data that will be backed up by using the Automated Backup feature of the SQL Server IaaS Agent Extension (SQLIaaSExtension)

You identify the storage priorities for various data type as shown in the following table.

Data type	Storage priority
Operating system	Speed and availability
Databases and logs	Speed and availability
Backups	Lowest cost

Which storage type should you recommend for each data type? To answer, drag the appropriate storage types to the correct data types. Each storage type 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.

The screenshot shows the 'Storage Types' pane on the left with four options: 'A geo-redundant storage (GRS) account', 'A locally-redundant storage (LRS) account', 'A premium managed disk', and 'A standard managed disk'. The 'Answer Area' on the right has three rows: 'Operating system:', 'Databases and logs:', and 'Backups:', each followed by a 'Storage type' dropdown menu.

**Answer:**

**Explanation:**

The screenshot shows the 'Storage Types' pane on the left with four options: 'A geo-redundant storage (GRS) account', 'A locally-redundant storage (LRS) account', 'A premium managed disk', and 'A standard managed disk'. The 'Answer Area' on the right has three rows: 'Operating system:' with 'A premium managed disk' selected, 'Databases and logs:' with 'A locally-redundant storage (LRS) account' selected, and 'Backups:' with 'A standard managed disk' selected.

#### NEW QUESTION 94

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 need to deploy resources to host a stateless web app in an Azure subscription. The solution must meet the following requirements:

- Provide access to the full .NET framework.
- Provide redundancy if an Azure region fails.
- Grant administrators access to the operating system to install custom application dependencies. Solution: You deploy a web app in an Isolated App Service plan. Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

#### NEW QUESTION 98

You are developing a back-end Azure App Service that scales based on the number of messages contained in a Service Bus queue.

A rule already exists to scale up the App Service when the average queue length of unprocessed and valid queue messages is greater than 1000.

You need to add a new rule that will continuously scale down the App Service as long as the scale up condition is not met.

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

**Answer:**

**Explanation:**

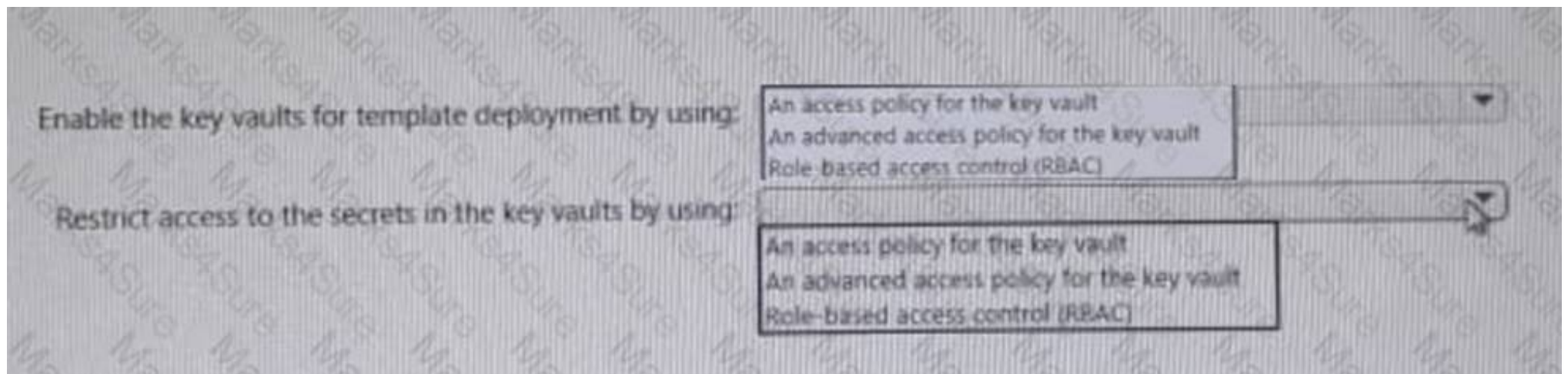
#### NEW QUESTION 101

You deploy Azure service by using Azure Resources Manager templates. The template reference secrets are stored in Azure key Vault.

You need to recommend a solution for accessing the secrets during deployments. The solution must prevent the users who are performing the deployments from accessing the secrets in the key vault directly.

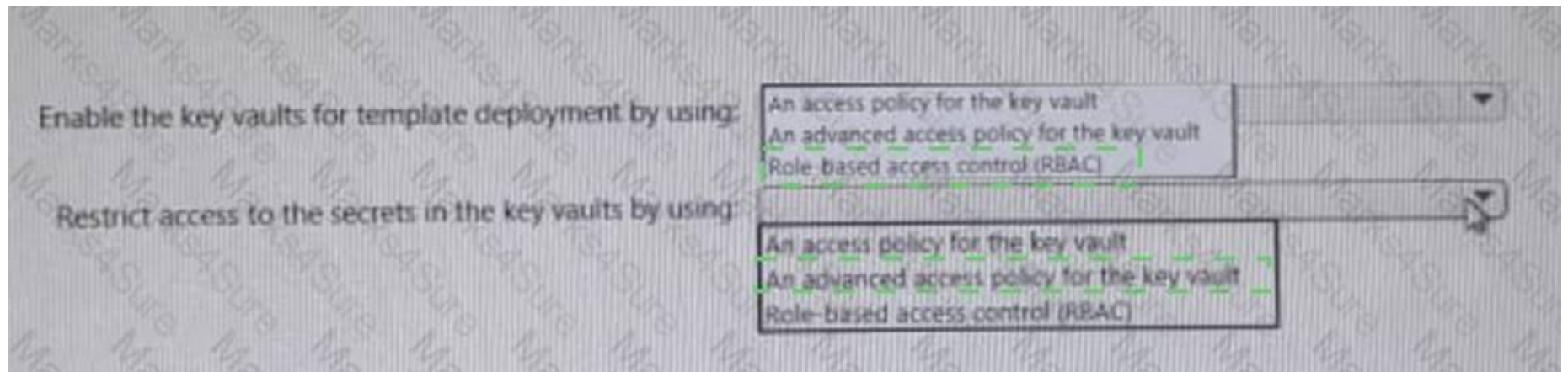
What should you include in the recommendation? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.





Answer:

Explanation:



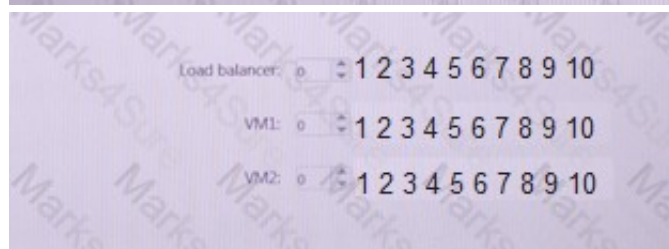
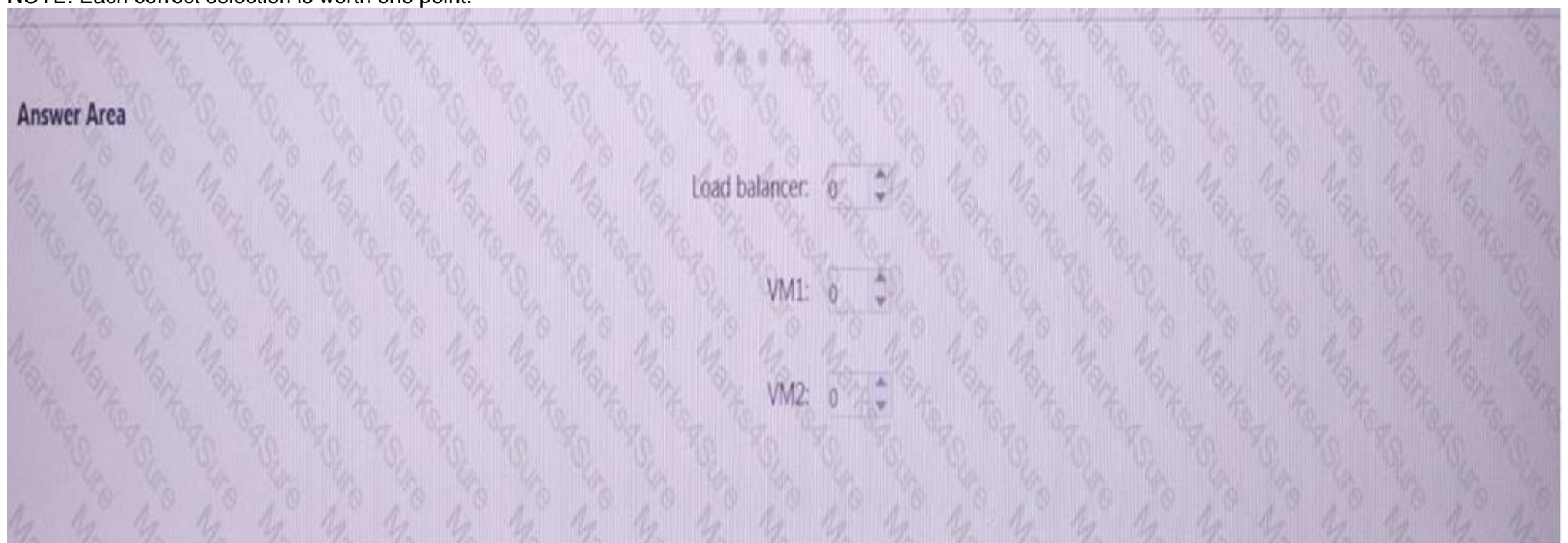
#### NEW QUESTION 105

You are designing a solution for a stateless front-end application named Application1. Application1 will be hosted on two Azure virtual machines named VM1 and VM2.

You plan to load balance connections to VM1 and VM2 from the Internet by using one Azure load balancer. You need to recommend the minimum number of required public IP addresses.

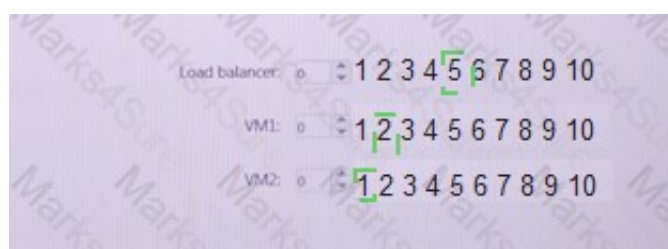
How many public IP addresses should you recommend using for each resource? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



Answer:

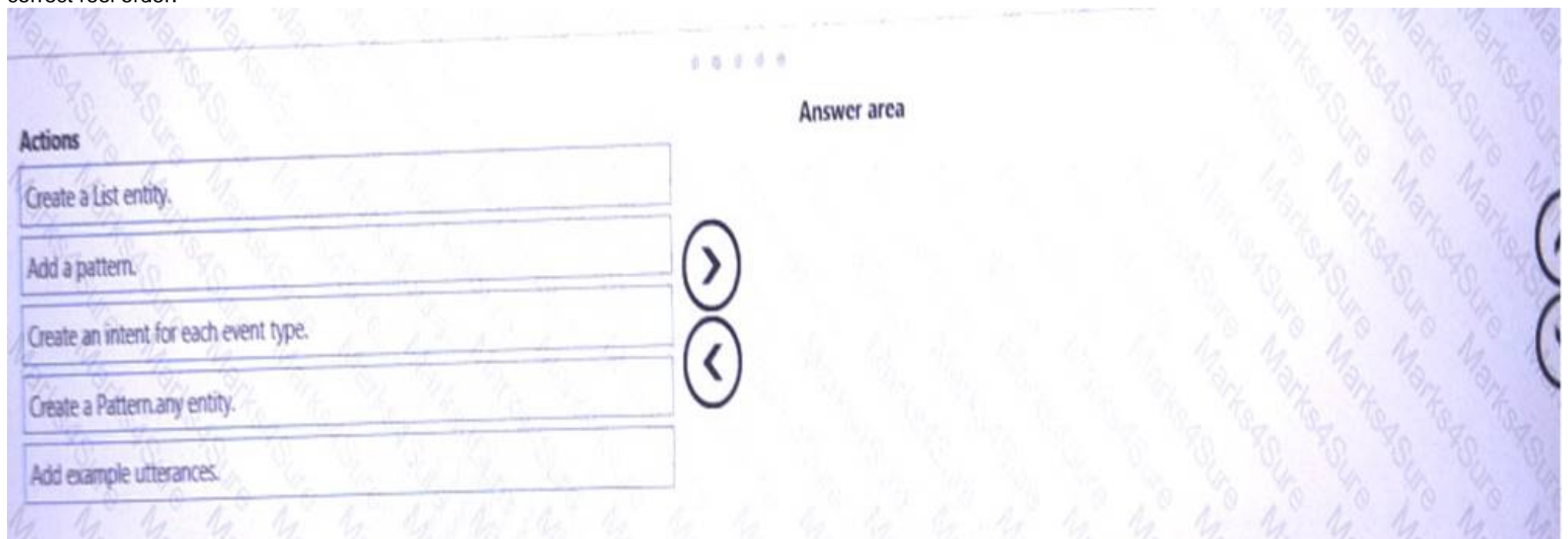
Explanation:



#### NEW QUESTION 110

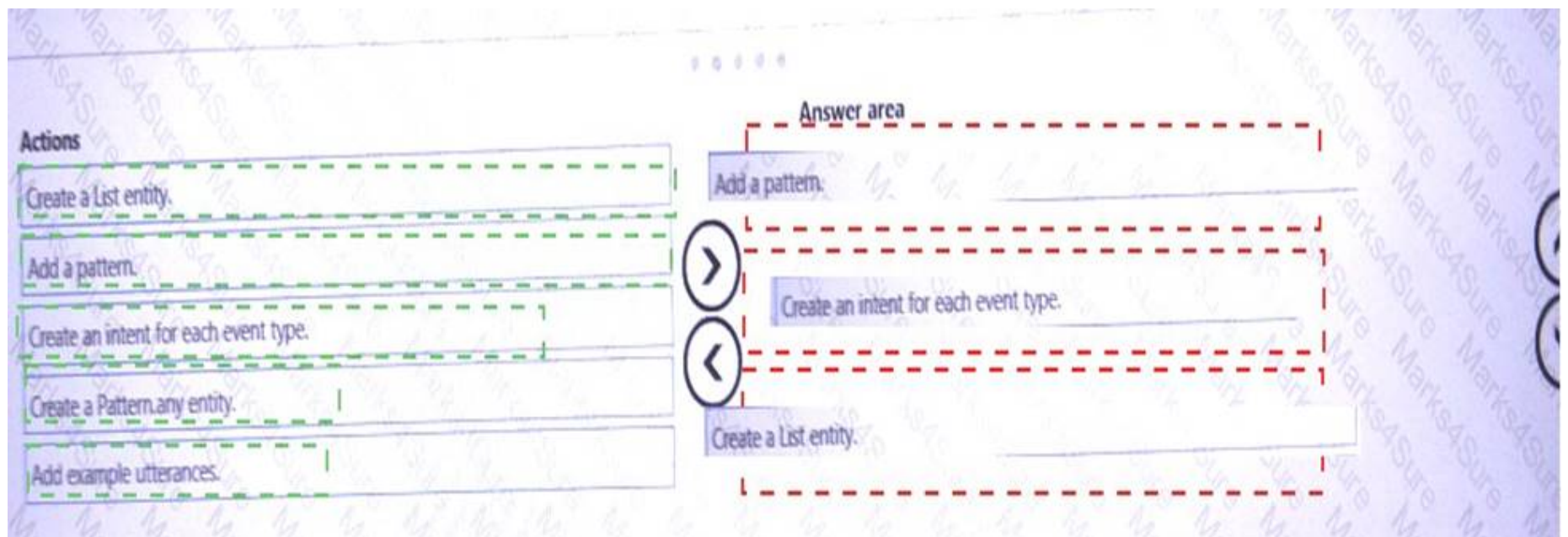
You develop a bot by using Language Understanding Intelligence Service (LUIS) and the .NET Bot framework. You use LUIS in the Azure portal to optimize the bot.

You review the utterances and determine that users are requesting time and venue information for events. You need to improve the prediction efficiency of the bot. 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:**



#### NEW QUESTION 112

You have 100 Standard F2vs-v2 Azure virtual machines. Each virtual machine has two network adapter. You need to increase the network performance of the workloads running on the virtual machine. The solution must meet the following requirements.

\*The CPU-to-memory ratio must remain the same.

\*The solution must minimize costs.

What should you do?

- A. Enable SR-IOV
- B. Enable RDMA over InfiniBand.
- C. Install an additional network adapter.
- D. Configure NIC teaming.

**Answer:** A

**Explanation:** References:

<https://docs.microsoft.com/en-us/azure/virtual-network/create-vm-accelerated-networking-powershell?toc=%2fa>

#### NEW QUESTION 117

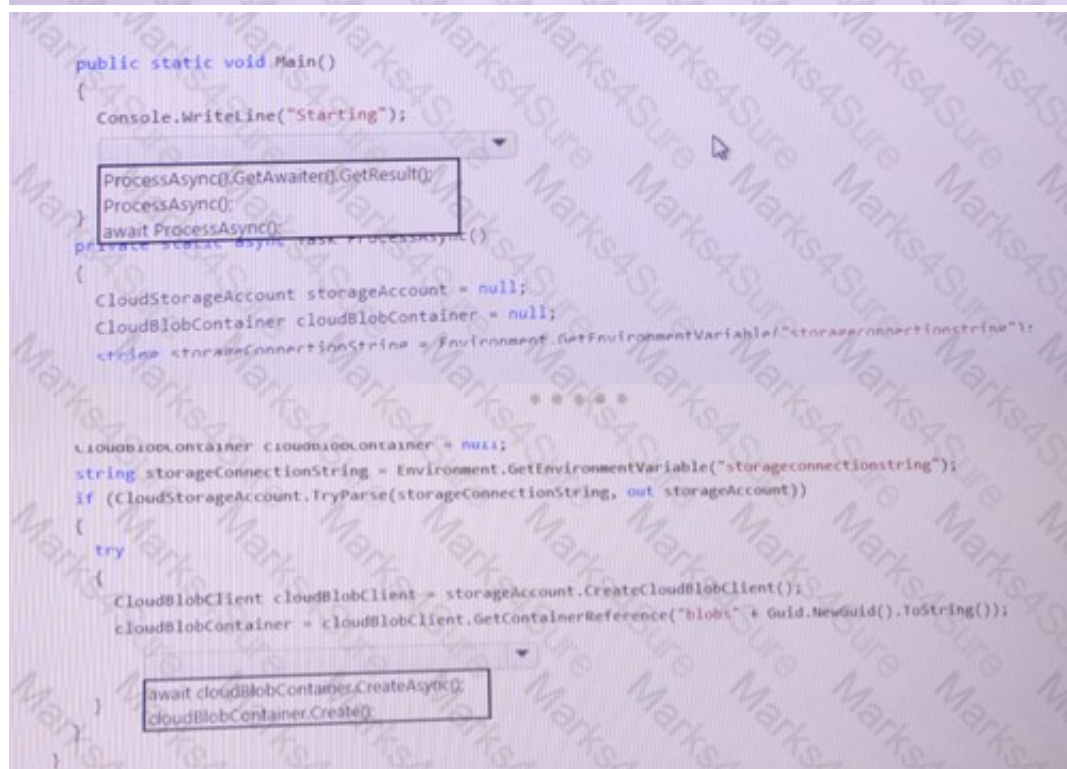
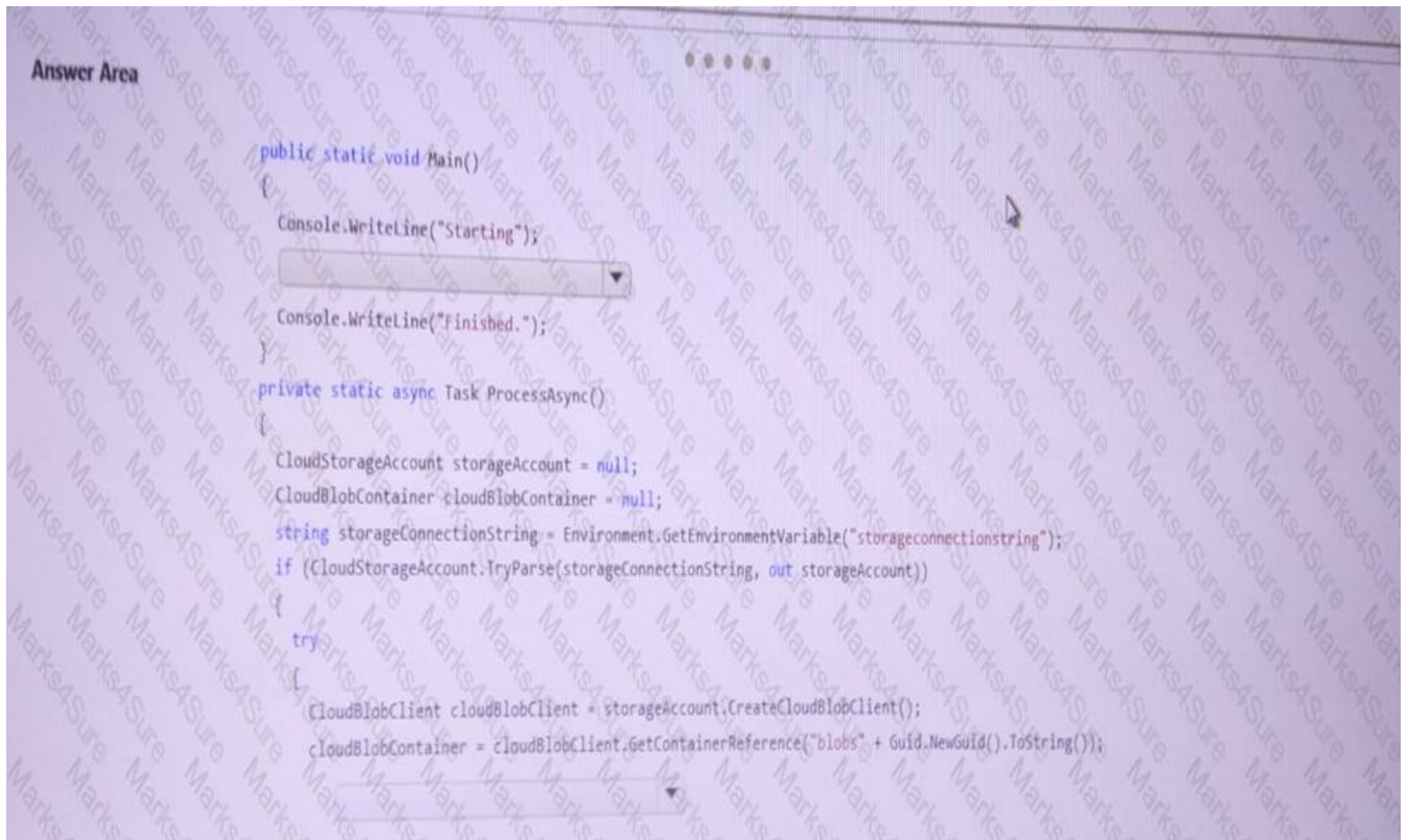
A construction company creates three dimensional models from photographs and design diagrams of buildings. The company plans to store high resolution photographs and blueprint files in Azure Blob Storage. The files are currently stored in the construction company's office.

You are developing a tool to connect to Azure Storage, create containers, and then upload the files. The tool must remain responsive to the end user while it is running and performing remote I/O operations. It must also wait for methods to complete before continuing.

You need to complete the configuration.

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





**Answer:**

**Explanation:**

```
public static void Main()
{
    Console.WriteLine("Starting");

    ProcessAsync().GetAwaiter().GetResult();
    ProcessAsync();
    await ProcessAsync();
    private static async Task ProcessAsync()
    {
        CloudStorageAccount storageAccount = null;
        CloudBlobContainer cloudBlobContainer = null;
        string storageConnectionString = Environment.GetEnvironmentVariable("storageconnectionstring");

        .....

        CloudBlobContainer cloudBlobContainer = null;
        string storageConnectionString = Environment.GetEnvironmentVariable("storageconnectionstring");
        if (CloudStorageAccount.TryParse(storageConnectionString, out storageAccount))
        {
            try
            {
                CloudBlobClient cloudBlobClient = storageAccount.CreateCloudBlobClient();
                cloudBlobContainer = cloudBlobClient.GetContainerReference("blobs" + Guid.NewGuid().ToString());

                await cloudBlobContainer.CreateAsync();
                cloudBlobContainer.Create();
            }
        }
    }
}
```

**NEW QUESTION 118**

Your network contains an on-premises Active Directory forest.

You discover that when users change jobs within your company, the membership of the user group are not updated. As a result the users can resources that are no longer relevant to their job.

You plan to integrate Active Directory and Azure Active Directory (Azure AD) by using Azure AD Connect

You need to recommend a solution to ensure that group owners are emailed monthly m\*\* the group membership they manage.

What should you include in the recommendation?

- A. Azure AD Identify Protection
- B. Tenant Restrictions
- C. Azure AD access reviews
- D. conditional access policies

**Answer: C**

**NEW QUESTION 122**

Your company has an on premises Windows HPC cluster. The cluster runs an intrinsically parallel, compute intensive workload that performs financial risk modeling.

You plan to migrate the workload to Azure Batch.

You need to design a solution that will support the workload. The solution must meet the following requirements:

- Support the large-scale parallel execution of Azure Batch jobs.
- Minimize cost.

What should you include in the solution?

- A. low priority virtual machines
- B. burst able virtual machines
- C. Azure virtual machine sizes that support the Message Passing Interface (MPI) API
- D. Basic A-series virtual machines

**Answer: A**

**NEW QUESTION 126**

A company has an app that records and processes videos. New videos are recorded daily. The videos are displayed on the day after they are recorded, the company runs several servers that process data and encode the

videos the processing servers use FF mpeg and proprietary software to encode and convert the videos.

The company plans to migrate the app to tare Azure Batch must in- used to process videos. Each task must run a command and output the result to a file on a destination storage account.

You create and assign values to the following variables:

```
batchAccountUrl, batchAccountName, batchAccountKey, and poolId.
```

You are reviewing code to create tasks in Azure Batch. (Line numbers are included for reference only.)



```

01 public List<CloudTask> StartTasks(List<FileTask> fileTasks, string jobId, string outputContainerSasUrl)
02 {
03     BatchSharedKeyCredentials sharedKeyCredentials =
04     new BatchSharedKeyCredentials(batchAccountUrl, batchAccountName, batchAccountKey);
05     List<CloudTask> tasks = new List<CloudTask>();
06     using (BatchClient batchClient = BatchClient.Open(sharedKeyCredentials))
07     {
08         CloudJob job = batchClient.JobOperations.CreateJob();
09         job.Id = jobId;
10         job.PoolInformation = new PoolInformation { PoolId = poolId };
11         job.Commit();
12         fileTasks.ForEach((fileTask) =>
13         {
14             string taskId = $"Task{DateTime.Now.ToFileTimeUtc().ToString()}";
15             CloudTask task = new CloudTask(taskId, fileTask.Command);
16             List<OutputFile> outputFileList = new List<OutputFile>();
17             OutputFileBlobContainerDestination outputContainer = new OutputFileBlobContainerDestination(outputContainerSasUrl);
18             outputFileList.Add(new OutputFile(fileTask.Output,
19             new OutputFileDestination(outputContainer), new OutputFileUploadOptions(OutputFileUploadCondition.TaskSuccess)));
20             task.OutputFiles = outputFileList;
21             tasks.Add(task);
22         });
23     }
24     return tasks;
25 }
26 public class FileTask
27 {
28     public string Command { get; set; }
29     public string Output { get; set; }
30 }

```

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

Answer Area		Yes	No
This code uploads the file after the task process exits, regardless of the exit code.		<input type="radio"/>	<input type="radio"/>
The code generates a job for each fileTask.		<input type="radio"/>	<input type="radio"/>
The code stores the resulting file in outputContainer.		<input type="radio"/>	<input type="radio"/>
You must move line 15 to 11 to ensure that outputFileList is not reset for each task.		<input type="radio"/>	<input type="radio"/>

Answer:

Explanation:



**Answer Area**

This code uploads the file after the task process exits, regardless of the exit code. ☒ Yes ☐ No

The code generates a job for each fileTask. ☒ Yes ☐ No

The code stores the resulting file in outputContainer. ☒ Yes ☐ No

You must move line 15 to 11 to ensure that outputFileList is not reset for each task. ☒ Yes ☐ No

### NEW QUESTION 130

An application that you manage has several web front-end instances. Each web front end communicates with a set of back-end worker processes by using an Azure queue. You are developing code for the worker processes. You have a function named DoWork0 that handles d3ta processing tasks.

You need to develop code for the worker processes that meets the following requirements:

- Property access an item from the queue and be resistant to failure.
- Run on multiple background processes.
- Ensure that items are available to other workers two minutes after a worker process fails.
- Ensure that messages regarding failed processes are logged to the console.

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

**Answer Area**

```

public void ProcessQueue()
{
    var storageAccount = CloudStorageAccount.Parse(queueConnectionString);
    var queueClient = storageAccount.CreateCloudQueueClient();
    var queue = queueClient.GetQueueReference(queueName);
    var retrievedMessage = queue.GetMessage(
        try
        {
            var item =
                JsonConvert.DeserializeObject<WorkItem>(retrievedMessage.
                DoWork(item);
            queue.Delete();
            queue.GetMessage();
            queue.DeleteMessage(retrievedMessage);
            queue.UpdateMessage(retrievedMessage, TimeSpan.FromMinutes(2), MessageUpdateFields.Visibility);
        }
        catch
        {
            Console.WriteLine("Error processing item.");
            queue.DeleteMessage(retrievedMessage);
            queue.UpdateMessage(retrievedMessage, TimeSpan.FromMinutes(2), MessageUpdateFields.Visibility);
            throw new Exception("Error processing item.");
        }
    );
}
    
```

2  
2000  
TimeSpan.FromMinutes(2)  
120000

AsString  
PopReceipt  
AsBytes  
NextVisibleTime

Console.WriteLine("Error processing item.");  
queue.DeleteMessage(retrievedMessage);  
queue.UpdateMessage(retrievedMessage, TimeSpan.FromMinutes(2), MessageUpdateFields.Visibility);  
throw new Exception("Error processing item.");

**Answer:**

**Explanation:**

**Answer Area**

```

public void ProcessQueue()
{
    var storageAccount = CloudStorageAccount.Parse(queueConnectionString);
    var queueClient = storageAccount.CreateCloudQueueClient();
    var queue = queueClient.GetQueueReference(queueName);
    var retrievedMessage = queue.GetMessage(
        try
        {
            var item =
                JsonConvert.DeserializeObject<WorkItem>(retrievedMessage.
                DoWork(item);
            queue.Delete();
            queue.GetMessage();
            queue.DeleteMessage(retrievedMessage);
            queue.UpdateMessage(retrievedMessage, TimeSpan.FromMinutes(2), MessageUpdateFields.Visibility);
        }
        catch
        {
            Console.WriteLine("Error processing item.");
            queue.DeleteMessage(retrievedMessage);
            queue.UpdateMessage(retrievedMessage, TimeSpan.FromMinutes(2), MessageUpdateFields.Visibility);
            throw new Exception("Error processing item.");
        }
    );
}
    
```

2  
2000  
TimeSpan.FromMinutes(2)  
120000

AsString  
PopReceipt  
AsBytes  
NextVisibleTime

Console.WriteLine("Error processing item.");  
queue.DeleteMessage(retrievedMessage);  
queue.UpdateMessage(retrievedMessage, TimeSpan.FromMinutes(2), MessageUpdateFields.Visibility);  
throw new Exception("Error processing item.");



#### NEW QUESTION 134

Your company has several Azure subscriptions that are part of a Microsoft Enterprise Agreement? The company's compliance team creates automatic alerts by using Ware Monitor.

You need to recommend a solution to apply the alerts automatically when new subscriptions are added to the Enterprise agreement.

What should you include in the recommendation?

- A. Azure Pokey
- B. Azure Resource Manager templates
- C. Azure log Analytics alerts
- D. Azure Monitor action groups
- E. Azure Automation runboote

**Answer: D**

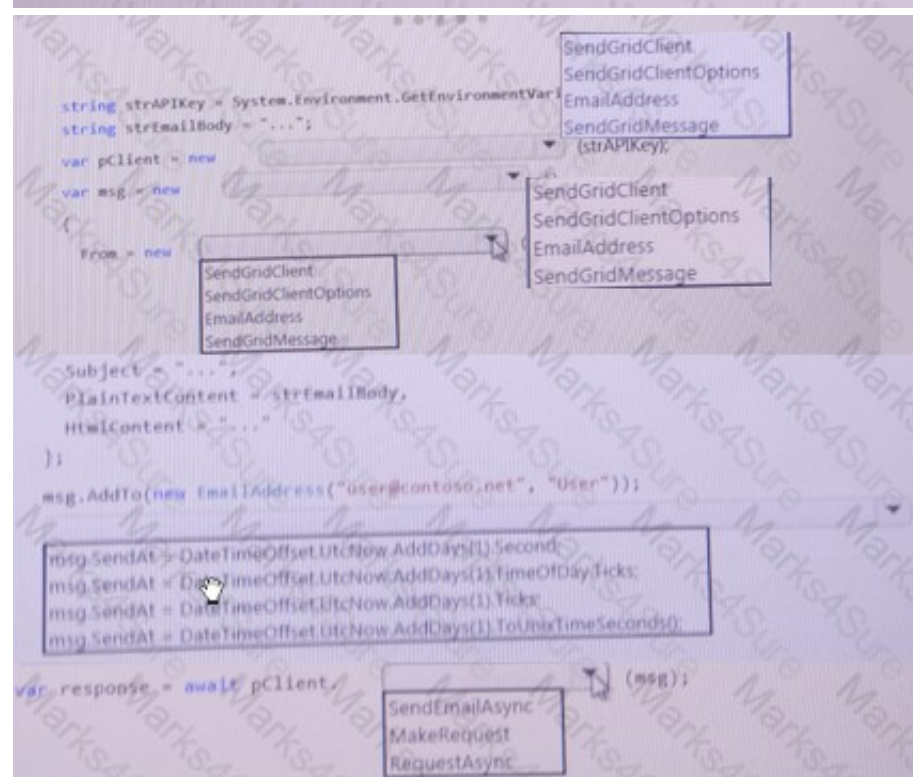
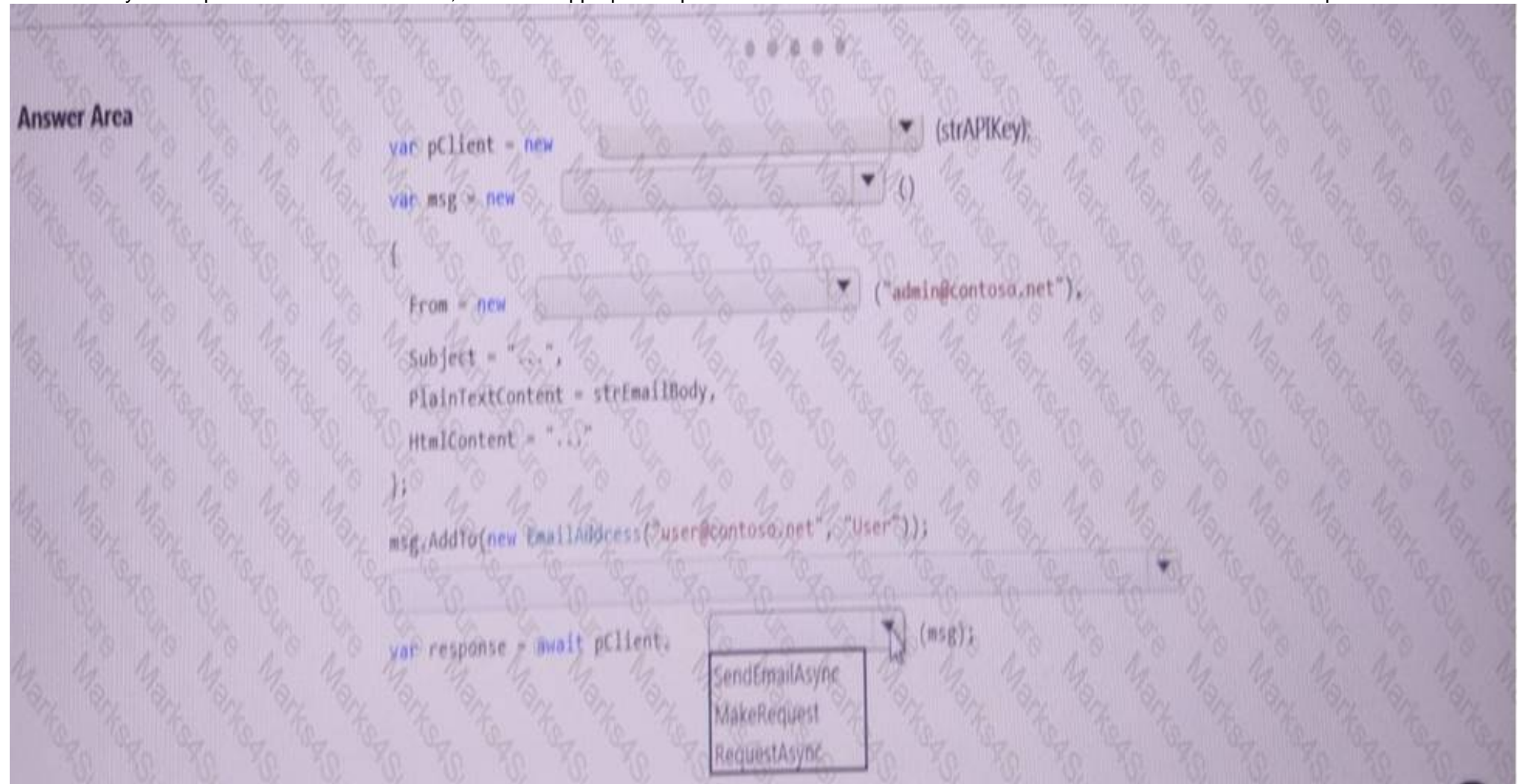
#### NEW QUESTION 136

You develop solutions for a company.

The company requires an automated email solution that can be used to schedule customer emails. Emails must be sent in one day.

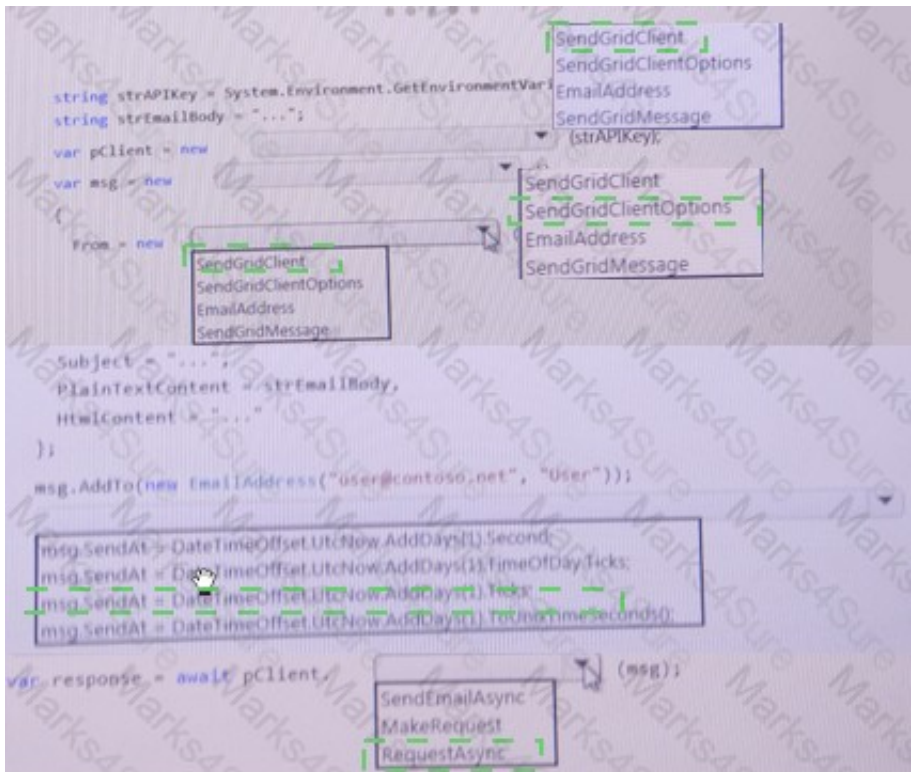
You need to implement the Azure Send Grid service API.

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



**Answer:**

**Explanation:**

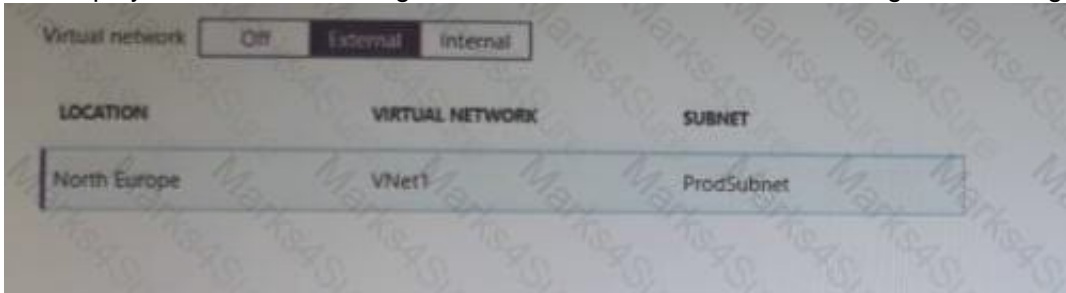


NEW QUESTION 141

Your company develops a web service that is deployed to at, Azure virtual machine named VM1 the web service allows an API to access real- time data from VM1 The current virtual machine deployment is shown in the Deployment exhibit. (Click the Deployment tab).



The chief technology officer (CTO) sends you the following email message: "Our developers have deployed the web service to a virtual machine named WL Testing has shown that the API ì accessible from VM1 and VM? Our partners must be able to connect to the API over the Internet Partners will me this data in applications that they develop: You deploy an Azure API Management service. The relevant API Management configuration is shown m the API ambit. Click the API tab).



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
The API is available to partners over the Internet.	<input type="radio"/>	<input type="radio"/>
The gateway can access real-time data from VM1.	<input type="radio"/>	<input type="radio"/>
A VPN gateway is required for partner access.	<input type="radio"/>	<input type="radio"/>

Answer:

Explanation:

Statements	Yes	No
The API is available to partners over the Internet.	<input type="radio"/>	<input checked="" type="radio"/>
The gateway can access real-time data from VM1.	<input type="radio"/>	<input checked="" type="radio"/>
A VPN gateway is required for partner access.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION 143

You are designing an Azure solution for a company that wants to move a .NET Core web application an on-premises data center to Azure. The web application relies on a Microsoft SQL Server 2016 database on Windows Server 2016. The database server will not move to Azure. A separate networking team is responsible for configuring network permissions. The company uses Azure ExpressRoute and has an ExpressRoute gateway connected to an Azure virtual network named VNET1.



You need to recommend a solution for deploying the web application.

Solution: Deploy the web application to a web app hosted in a Premium App Service plan. Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

#### NEW QUESTION 147

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

**Answer:** D

**Explanation:** Topic 2, Case Study 1

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:

# Welcome to the Restaurant!



**John Doe**

Sun, Aug 26, 2018

Welcome to Best For You Organics Company!  
How can we help you today?

**Specials:** Chicken Marsala

**Order Pickup    Order Delivery**

## Vendor API

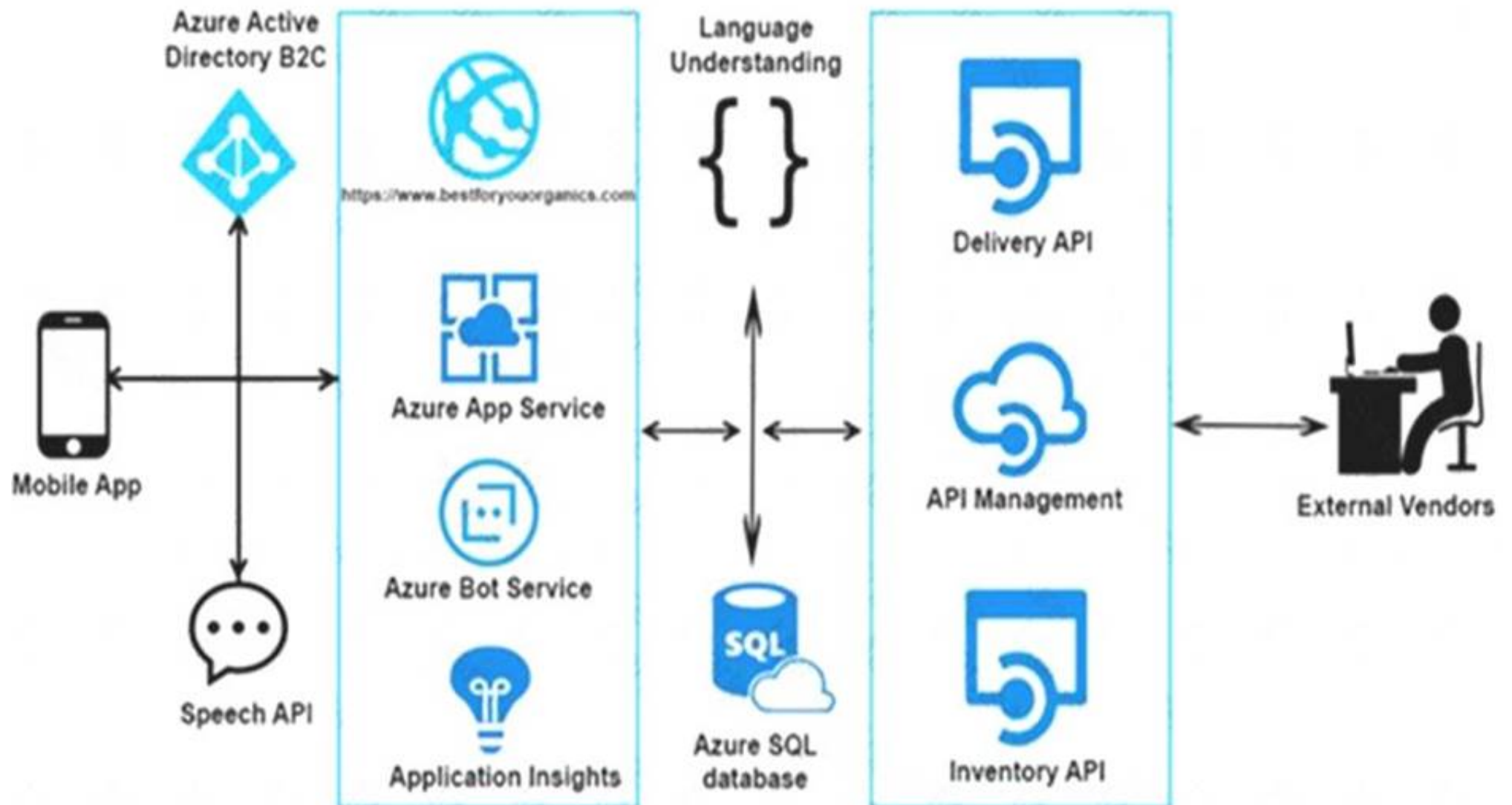
Vendors receive and provide updates for the restaurant inventory and delivery services by using Azure API Management hosted APIs. Each vendor uses their own subscription to access each of the APIs.

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 ConfigureServices(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 149

You need to complete the order payment process.

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

NOTE: Each correct selection is worth one point.

- A. Intercept the message by using middleware
- B. Send the message to a payment service.
- C. Acknowledge the callback by sending an HTTP response.
- D. Set the value of the Card Action object Type property to PostBack.
- E. Verify that the amount and currency values in the payment token folder are valid.

**Answer:** D

### NEW QUESTION 154

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: Configure notifications in the Azure API Management instance Does the solution meet the goal?



- A. Yes
- B. NO

**Answer:** A

**Explanation:** References:

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

#### NEW QUESTION 159

You need to implement the purchase requirement. What should you do?

- A. Use the Bot Framework REST API conversation operations to send the user's voice and the Speech Service API to recognize intents.
- B. Use the Direct Line REST API to send the user's voice and the Speech Service API to recognize intents.
- C. Use the Speech Service API to send the user's voice and the Bot Framework REST API conversation operations to recognize intents.
- D. Use the Bot Framework REST API attachment operations to send the user's voice and the Speech Service API to recognize intents.

**Answer:** A

#### NEW QUESTION 164

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 168

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

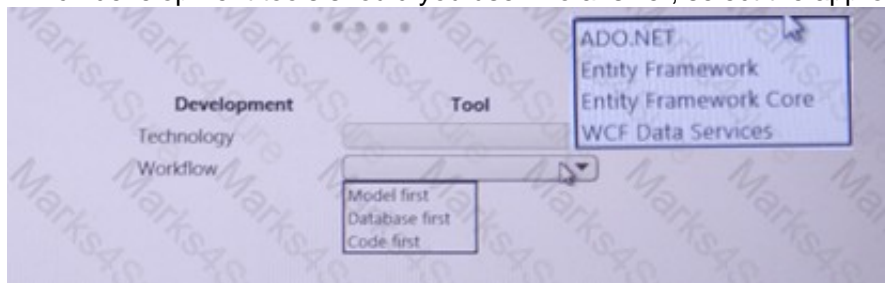
- A. Azure Application Insights
- B. Bot Framework Emulator
- C. Bot Framework Channel Inspector
- D. Bot Connector service
- E. Azure Compote Emulator

**Answer:** A

#### NEW QUESTION 170

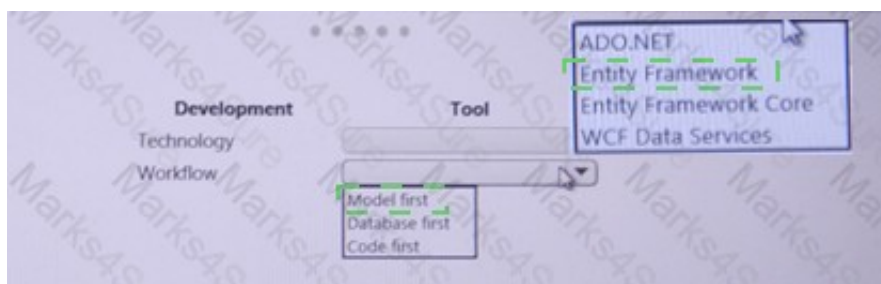
You need to update the Inventory API.

Which development tools should you use? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.



**Answer:**

**Explanation:**



#### NEW QUESTION 175

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 back off 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 178**

You need to meet the security requirements. What should you use?

- A. HTTP Strict Transport Security (HSTS)
- B. Direct Line API
- C. Multi-Factor Authentication (MFA)
- D. Bot Framework Portal
- E. Bot Framework authentication

**Answer:** E

**NEW QUESTION 181**

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.

**Actions**

**Answer Area**

Publish the LUIS app.

Add new utterances and entities.

Add new intents.

Create a new LUIS app.

Train the LUIS app.

Add names for Italian cuisine to  
Azure Search.

Add the Azure Search provider to the bot.

**Answer:**

**Explanation:**



### Actions

Publish the LUIS app.

Add new utterances and entities.

Add new intents.

Create a new LUIS app.

Train the LUIS app.

Add names for Italian cuisine to Azure Search.

Add the Azure Search provider to the bot.

### Answer Area

Create a new LUIS app.

Train the LUIS app.

Publish the LUIS app.

#### NEW QUESTION 185

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: 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 188

You need to resolve the chatbot issue. What should you do?

- A. Use the bot Framework Connector to send and receive activities.
- B. Update the bot to pass native metadata to a channel in the Activity object's Channel Data property.
- C. Update the bot to overload the Dialog class constructor and invoke the root dialog.
- D. Update the bot to store and retrieve state data.

**Answer:** C

**Explanation:** Topic 3, Case Study 2

Overview:

Existing Environment

Active Directory Environment:

The network contains two Active Directory forests named corp.fabnkam.com and rd.fabrikam.com. There are no trust relationships between the forests.

Corp.fabrikam.com is a production forest that contains identities used for internal user and computer authentication. Rd.fabrikam.com is used by the research and development (R&D) department only.

Network Infrastructure:

Each office contains at least one domain controller from the corp.fabrikam.com domain. The main office contains all the domain controllers for the rd.fabrikam.com forest.

All the offices have a high-speed connection to the Internet.

An existing application named WebApp1 is hosted in the data center of the London office. WebApp1 is used by customers to place and track orders. WebApp1 has a web tier that uses Microsoft Internet Information Services (IIS) and a database tier that runs Microsoft SQL Server 2016. The web tier and the database tier are deployed to virtual machines that run on Hyper-V.

The IT department currently uses a separate Hyper-V environment to test updates to WebApp1.

Fabrikam purchases all Microsoft licenses through a Microsoft Enterprise Agreement that includes Software Assurance.

Problem Statement:

The use of Web App1 is unpredictable. At peak times, users often report delays. At other times, many resources for WebApp1 are underutilized.

Requirements: Planned Changes:

Fabrikam plans to move most of its production workloads to Azure during the next few years.

As one of its first projects, the company plans to establish a hybrid identity model, facilitating an upcoming Microsoft Office 365 deployment.

All R&D operations will remain on-premises.

Fabrikam plans to migrate the production and test instances of WebApp1 to Azure.

Technical Requirements:

Fabrikam identifies the following technical requirements:

- Web site content must be easily updated from a single point.
- User input must be minimized when provisioning new app instances.
- Whenever possible, existing on-premises licenses must be used to reduce cost.
- Users must always authenticate by using their corp.fabrikam.com UPN identity.
- Any new deployments to Azure must be redundant in case an Azure region fails.
- Whenever possible, solutions must be deployed to Azure by using platform as a service (PaaS).
- An email distribution group named IT Support must be notified of any issues relating to the directory synchronization services.
- Directory synchronization between Azure Active Directory (Azure AD) and corp.fabrikam.com must not be affected by a link failure between Azure and the on-premises network.

Database Requirements:

Fabrikam identifies the following database requirements:

- Database metrics for the production instance of WebApp1 must be available for analysis so that database administrators can optimize the performance settings.
- To avoid disrupting customer access, database downtime must be minimized when databases are migrated.
- Database backups must be retained for a minimum of seven years to meet compliance requirement.

Security Requirements:

Fabrikam identifies the following security requirements:

\*Company information including policies, templates, and data must be inaccessible to anyone outside the company.

\*Users on the on-premises network must be able to authenticate to corp.fabrikam.com if an Internet link fails.

\*Administrators must be able to authenticate to the Azure portal by using their corp.fabrikam.com credentials.

\*All administrative access to the Azure portal must be secured by using multi-factor authentication.

\*The testing of WebApp1 updates must not be visible to anyone outside the company.

#### NEW QUESTION 193

You need to recommend a data storage strategy for WebApp1.

What should you include in the recommendation?

- A. an Azure SQL Database elastic pool
- B. a vCore-based Azure SQL database
- C. an Azure virtual machine that runs SQL Server
- D. a fixed-size DTU Azure SQL database.

**Answer: D**

#### NEW QUESTION 197

To meet the authentication requirements of Fabrikam, what should you include in the solution? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Minimum number of Azure AD tenants: 0

1 2 3 4

Minimum number of custom domains to add: 0

1 2 3 4

Minimum number of conditional access policies to create: 0

1 2 3 4

**Answer:**

**Explanation:**

Minimum number of Azure AD tenants: 0

1 2 3 4

Minimum number of custom domains to add: 0

1 2 3 4

Minimum number of conditional access policies to create: 0

1 2 3 4

#### NEW QUESTION 199



You need to recommend a strategy for the web tier of WebApp1. The solution must minimize What should you recommend?

- A. Create a runbook that resizes virtual machines automatically to a smaller size outside of business hours.
- B. Configure the Scale Up settings for a web app.
- C. Deploy a virtual machine scale set that scales out on a 75 percent CPU threshold.
- D. Configure the Scale Out settings for a web app.

**Answer:** D

#### NEW QUESTION 204

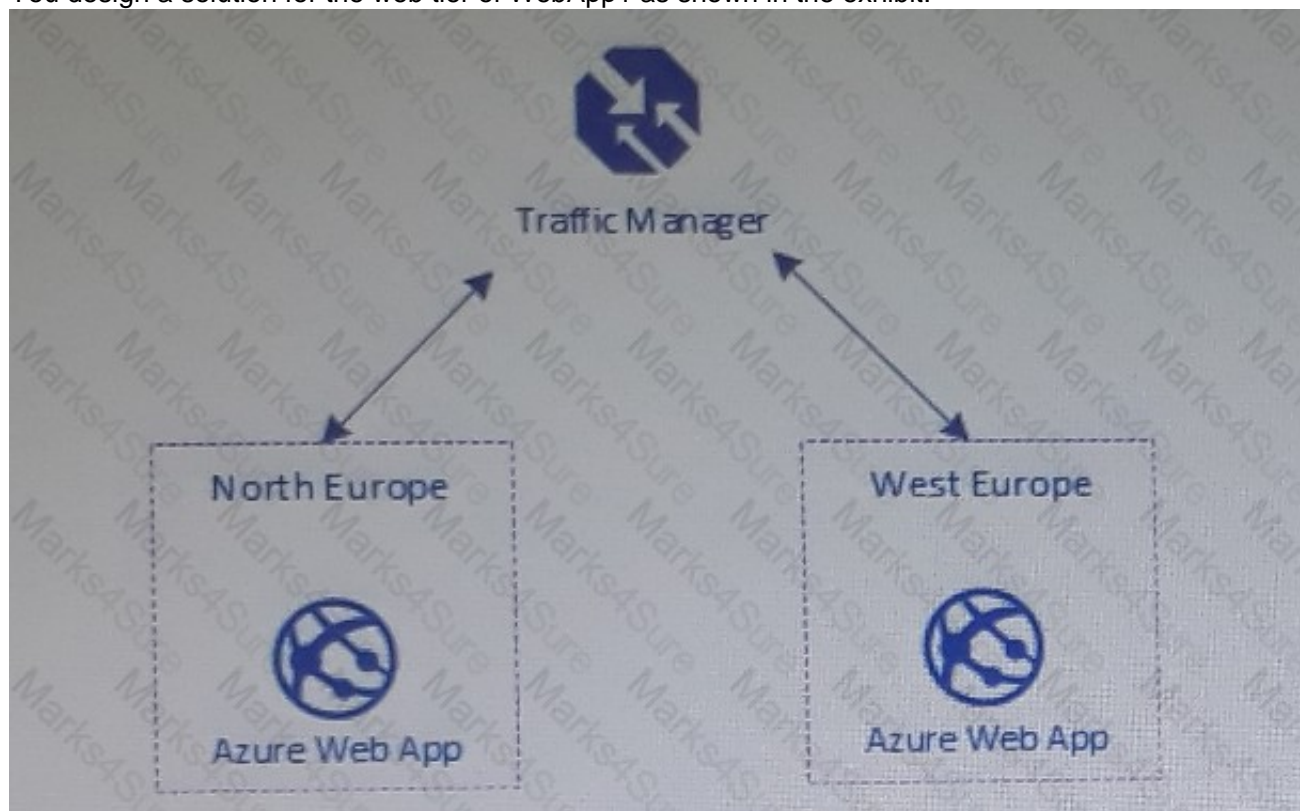
You need to recommend a solution to meet the database retention requirement. What should you recommend?

- A. Configure a long-term retention policy for the database.
- B. Configure Azure Site Recovery.
- C. Configure geo replication of the database.
- D. Use automatic Azure SQL Database backups.

**Answer:** C

#### NEW QUESTION 207

You design a solution for the web tier of WebApp1 as shown in the exhibit.



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

Statements	Yes	No
The design supports the technical requirements for redundancy.	<input type="radio"/>	<input type="radio"/>
The design supports autoscaling.	<input type="radio"/>	<input type="radio"/>
The design requires a manual configuration if an Azure region fails.	<input type="radio"/>	<input type="radio"/>

**Answer:**

**Explanation:**

Statements	Yes	No
The design supports the technical requirements for redundancy.	<input checked="" type="radio"/>	<input type="radio"/>
The design supports autoscaling.	<input type="radio"/>	<input checked="" type="radio"/>
The design requires a manual configuration if an Azure region fails.	<input checked="" type="radio"/>	<input type="radio"/>

#### NEW QUESTION 212

You need to recommend a solution for the collection of security logs the middle tier of the payment processing system. What should you include in the recommendation?

- A. Azure Notification Hubs
- B. the Azure Diagnostics agent
- C. Azure Event Hubs
- D. the Azure Log Analytics agent

**Answer:** B

**NEW QUESTION 213**

You need to recommend a solution for protecting the content of the back-end tier of the payment processing system. What should you include in the recommendations?

- A. Always Encrypted with deterministic encryption
- B. Transparent Data Encryption (TDE)
- C. Azure Storage Service Encryption
- D. Always Encrypted with randomized encryption

**Answer:** A

**NEW QUESTION 214**

You need to recommend a backup solution for the data store of the payment processing. What should you include in the recommendation?

- A. Microsoft System Center Data Protection Manager (DPM)
- B. long-term retention
- C. a Recovery Services vault
- D. Azure Backup Server

**Answer:** C

**NEW QUESTION 218**

You need to recommend a high-availability solution for the middle tier of the payment processing system. What should you include in the recommendation?

- A. availability zones
- B. an availability set
- C. the Premium App Service plan
- D. the Isolated App Server plan

**Answer:** A

**Explanation:** Topic 5, Case Study: 4Label Maker app

Requirements Data

You identify the following requirements for data management and manipulation:

- Order data is stored as non relational JSON and must be queried using Structured Query Language (SQL).
- Changes to the Order data must reflect immediately across all partitions. All reads to the Order data must fetch the most recent writes.

Security

You have the following security requirements:

- Users of Coho Winery applications must be able to provide access to documents, resources, and applications to external partners.
- External partners must use their own credentials and authenticate with their organization's identity management solution.
- External partner logins must be audited monthly for application use by a user account administrator to maintain company compliance.
- Storage of e-commerce application settings must be maintained in Azure Key Vault.
- E-commerce application sign-ins must be secured by using Azure App Service authentication and Azure Active Directory (AAD).
- Conditional access policies must be applied at the application level to protect company content.
- The LabelMaker application must be secured by using an AAD account that has full access to all namespaces of the Azure Kubernetes Service (AKS) cluster.

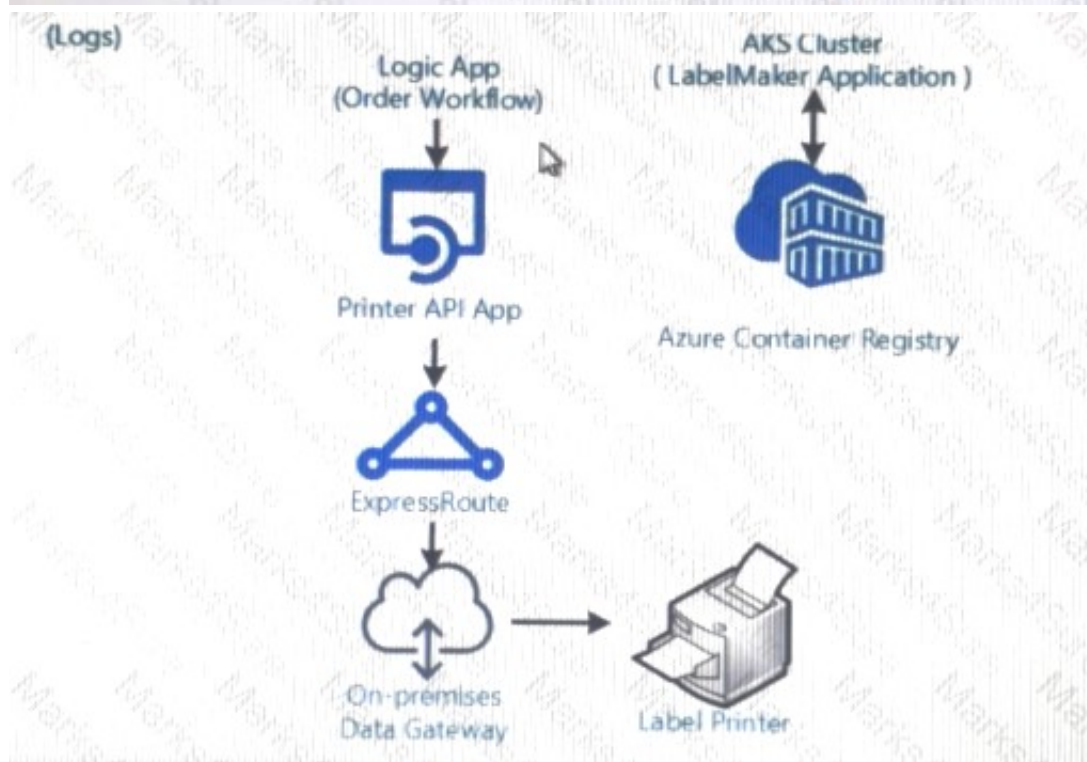
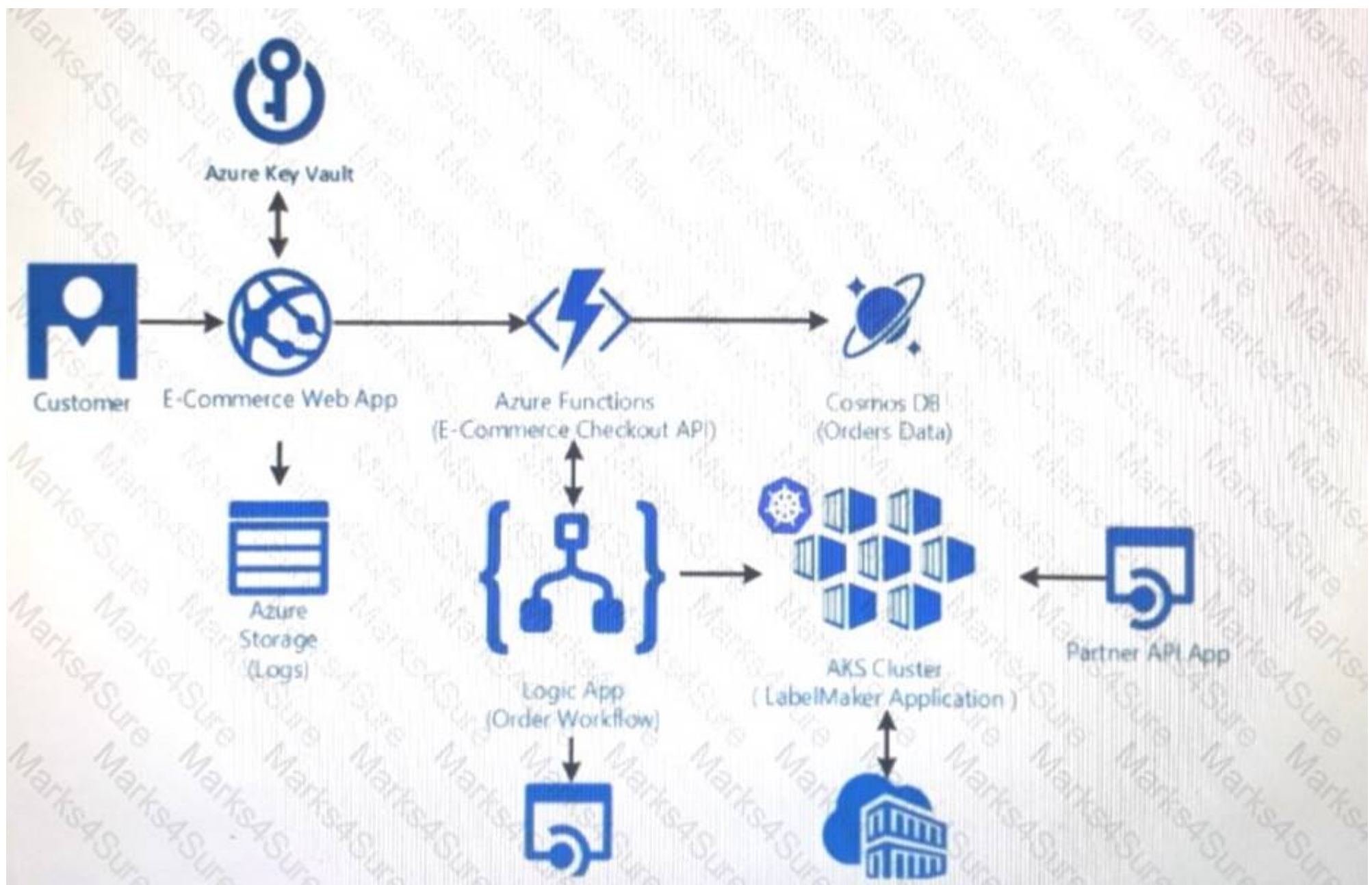
Label Maker app

Azure Monitor Container Health must be used to monitor the performance of workloads that are deployed to Kubernetes environments and hosted on Azure Kubernetes Service (AKS).

You must use Azure Container Registry to publish images that support the AKS deployment.

Architecture





#### Issues

Calls to the Printer API App fail periodically due to printer communication timeouts.

Printer communication timeouts occur after 10 seconds. The label printer must only receive up to 5 attempts within one minute.

The order workflow fails to run upon initial deployment to Azure.

#### Order.json

Relevant portions of the app files are shown below. Line numbers are included for reference only. This JSON file contains a representation of the data for an order that includes a single item.

```
Order.json
01 {
02   "id" : 1,
03   "customers" : [
04     {
05       "familyName" : "Doe" ,
06       "givenName" : "John" ,
07       "customerid" : 5
08     }
09   ],
10   "line_items" : [
11     {
12       "fulfillable_quantity" : 1,
13       "id" : 6,
14       "price" : "199.99" ,
15       "product_id" : 7513594,
16       "quantity" : 1,
17       "requires_shipping" : true ,
18       "sku" : "SFC-342-N" ,
19       "title" : "Surface Go" ,
20       "vendor" : "Microsoft" ,
21       "name" : "Surface Go - 8GB" ,
22       "taxable" : true ,
23       "tax_lines" : [
24         {
25           "title" : "State Tax" ,
26           "price" : "3.98" ,
27           "rate" : 0.06
28         }
29       ],
30       "total_discount" : "5.00" ,
31       "discount_allocations" : [
32         {
33           "amount" : "5.00" ,
34           "discount_application_index" : 2
35         }
36       ]
37     }
38   ],
39   "address" : {
40     "state" : "NY" ,
41     "county" : "Manhattan" ,
42     "city" : "NY"
43   }
44 }
```

**NEW QUESTION 219**

You need to access user claims in the e-commerce web app. What should you do first?

- A. Write custom code to make a Microsoft Graph API call from the e-commerce web app.
- B. Assign the Contributor RBAC role to the e-commerce web app by using the Resource Manager create role assignment API
- C. Update the e-commerce web app to read the HTTP request header values.
- D. Using the Azure CU, enable Cross-origin resource sharing (CORS) from the e-commerce checkout API to the e-commerce web

**Answer:** A

**NEW QUESTION 222**

You need to ensure that the solution can meet the scaling requirements for Policy Service. Which Azure Application Insights data model should you use?

- A. an Application Insights trace
- B. an Application Insights metric
- C. an Application Insights dependency
- D. an Application Insights event

**Answer:** B

**NEW QUESTION 226**

You need to resolve a notification latency issue.

Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. Ensure that the Azure Function is set to use a consumption plan.
- B. Set Always On to false
- C. Set Always On to true
- D. Ensure that the Azure Function is using an App Service plan.

**Answer:** AC



### NEW QUESTION 230

You need to ensure that the Policy service can implement the policy actions. Which code segment should you insert at line EG07 in EventGridController.cs?

- A. 

```
if (HttpContext.Request.Headers["aeg-event-type"].FirstOrDefault() == "SubscriptionValidation")
{
    return new JsonResult(new
    {
        validationResponse = events[0]["validationCode"]
    });
}
```
- B. 

```
if (events[0]["eventType"].ToString() == "SubscriptionValidation")
{
    return new JsonResult(new
    {
        validationResponse = events[0]["validationCode"]
    });
}
```
- C. 

```
if (HttpContext.Request.Headers["aeg-event-type"].FirstOrDefault() == "SubscriptionValidation")
{
    return new JsonResult(new
    {
        validationResponse = events[0]["data"]["validationCode"]
    });
}
```
- D. 

```
if (events[0]["subject"].ToString() == "SubscriptionValidation")
{
    return new JsonResult(new
    {
        validationResponse = events[0]["data"]["validationCode"]
    });
}
```

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

**Answer: C**

**Explanation:** Topic 7, Case Study: 6Overview

Contoso, Ltd. is a consulting company that has a main office in Montreal and two branch offices in Seattle and New York.

The Montreal office has 2,000 employees. The Seattle office has 1,000 employees- The New York office has 200 employees.

All the resources used by Contoso are hosted on-premises.

Contoso creates a new Azure subscription. The Azure Active Directory (Azure AD) tenant uses a domain named contoso.onmicrosoft.com. The tenant uses the P1 pricing tier.

Existing Environment

The network contains an Active Directory forest named contoso.com. All domain controllers are configured as DNS servers and host the contoso.com DNS zone.

Contoso has finance, human resources, sales, research, and information technology departments. Each department has an organizational unit (OU) that contains all the accounts of that respective department. All the user accounts have the department attribute set to their respective department. New users are added frequently.

Contoso.com contains a user named User1. All the offices connect by using private links.

Contoso has data centers in the Montreal and Seattle offices. Each data center has a firewall that can be configured as a VPN device.

All infrastructure servers are virtualized. The virtualization environment contains the servers in the following table.

Name	Role	Contains virtual machine
Server1	VMWare vCenter server	VM1
Server2	Hyper-V host	VM2

Contoso uses two web applications named App1 and App2. Each instance on each web application requires 1 GB of memory. The Azure subscription contains the resources in the following table.

Name	Type
VNet1	Virtual network
VM3	Virtual machine
VM4	Virtual machine

The network security team implements several network security groups (NSGs)

Planned Changes

Contoso plans to implement the following changes:

- Deploy Azure ExpressRoute to the Montreal office.
- Migrate the virtual machines hosted on Server1 and Server2 to Azure.
- Synchronize on-premises Active Directory to Azure Active Directory (Azure AD).
- Migrate App1 and App2 to two Azure web apps named WebApp1 and WebApp2.

Technical Requirements

Contoso must meet the following technical requirements:

- Ensure that WebApp1 can adjust the number of instances automatically based on the load and can scale up to five instances.
- Ensure that VM3 can establish outbound connections over TCP port 8080 to the applications servers in the Montreal office.

- Ensure that routing information is exchanged automatically between Azure and the routers in the Montreal office.
- Enable Azure Multi-Factor Authentication (MFA) for the users in the finance department only.
- Ensure that webapp2.azurewebsites.net can be accessed by using the name app2.contoso.com.
- Connect the New York office to VNet1 over the Internet by using an encrypted connection
- Create a workflow to send an email message when the settings of VM4 are modified.
- Create a custom Azure role named Role1 that is based on the Reader role
- Minimize costs whenever possible.

#### NEW QUESTION 232

You need to meet the technical requirement for VM4. What should you create and configure?

- A. an Azure Event Hub
- B. an Azure Notification Hub
- C. an Azure Logic App
- D. an Azure Service Bus

**Answer: C**

**Explanation:** Topic 8, Case Study: 7Overview

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.
- ERI 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.
- ERI 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 identifies 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 235**

You need to implement App2 to meet the application requirements.

What should you include in the implementation? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

App Service plan pricing tier:

	V
Isolated	
Shared	
Standard	

Enabled feature:

	V
Always On	
Auto Swap	
Web Sockets	

**Answer:**

**Explanation:** References:

<https://azure.microsoft.com/en-us/pricing/details/app-service/plans/> <https://docs.microsoft.com/en-us/azure/azure-functions/functions-scale>

**NEW QUESTION 240**

You need to configure the Azure ExpressRoute circuits.

How should you configure Azure ExpressRoute routing? To answer, drag the appropriate configurations to the correct locations. Each Configuration 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:** Topic 9, Mix Questions Set 2

**NEW QUESTION 245**

You are creating a collaborative image hosting platform as an ASP.NET MVC web application. Users add, update, and modify images on the platform. Images are stored in Azure Blob storage.

More than one user at a time must be able to modify the same image. You need to implement optimistic concurrency for uploading images.

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.

**Answer:**

**Explanation:**



The diagram illustrates the sequence of actions and the corresponding answer area for a PUT BLOB request. The 'Actions' section on the left lists five steps, while the 'Answer area' on the right shows the sequence of responses.

**Actions:**

- Check response headers. If the status code equals 200, notify that it is a success. If the code is 412, notify the user about a conflicting change.
- When you upload the image, include the ETag in the If-None-Match conditional header of the PUT BLOB request.
- Store the ETag of the blob for further use, and let the user make the necessary modifications to the image.
- Retrieve an image blob from the storage service. The response includes an HTTP ETag Header value that identifies the current version of the image(Blob).
- When you upload the image, include the ETag in the If-Match conditional header of the PUT BLOB request.

**Answer area:**

- When you upload the image, include the ETag in the If-Match conditional header of the PUT BLOB request.
- Store the ETag of the blob for further use, and let the user make the necessary modifications to the image.
- When you upload the image, include the ETag in the If-None-Match conditional header of the PUT BLOB request.
- Check response headers. If the status code equals 200, notify that it is a success. If the code is 412, notify the user about a conflicting change.

#### NEW QUESTION 250

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 251

From the MFA Server blade, you open the Block/unblock users blade as shown in the exhibit.

The screenshot shows the 'Block/unblock users' blade in the MFA Server interface. It includes a description of blocked users and a table of blocked users.

**Block/unblock users**

A blocked user will not receive Multi-Factor Authentication requests. Authentication attempts for that user will be automatically denied. A user will remain blocked for 90 days from the time they are blocked. To manually unblock a user, click the "Unblock" action.

**Blocked users**

USER	REASON	DATE	ACTION
AlexW@M365x832514.OnMicrosoft.com	Lost phone	06/14/2018 8:26:38 PM	Unblock

What caused AlexW to be blocked?

- A. The user account password expired.
- B. The user reported a fraud alert when prompted for additional authentication.
- C. An administrator manually blocked the user.
- D. The user entered an incorrect PIN four times within 10 minutes.

**Answer: C**

#### NEW QUESTION 254

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:

### Authentication

### Type

WebHook event delivery

	▼
SAS tokens	
Key authentication	
JWT token	

Topic publishing

	▼
ValidationCode handshake	
ValidationURL handshake	
Management Access Control	

### NEW QUESTION 257

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: A

### NEW QUESTION 258

Your network contains an Active Directory domain named adatum.com and an Azure Active Directory (Azure AD) tenant named adatum.onmicrosoft.com. Adatum.com contains the user accounts in the following table.

Name	Member of
User1	Domain Admins
User2	Schema Admins
User3	Incoming Forest Trust Builders
User4	Replicator
User5	Enterprise Admins

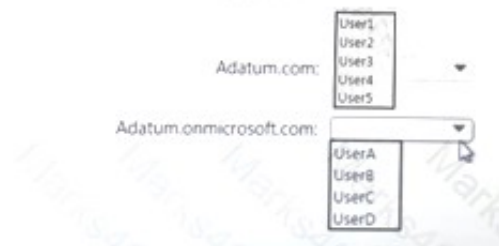
Adatum.onmiaosoft.com contains the user accounts in the following table.

Name	Role
UserA	Global administrator
UserB	User administrator
UserC	Security administrator
UserD	Service administrator

You need to implement Azure AD Connect. The solution must follow the principle of least privilege. Which user accounts should you use? To answer, select the



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



**Answer:**

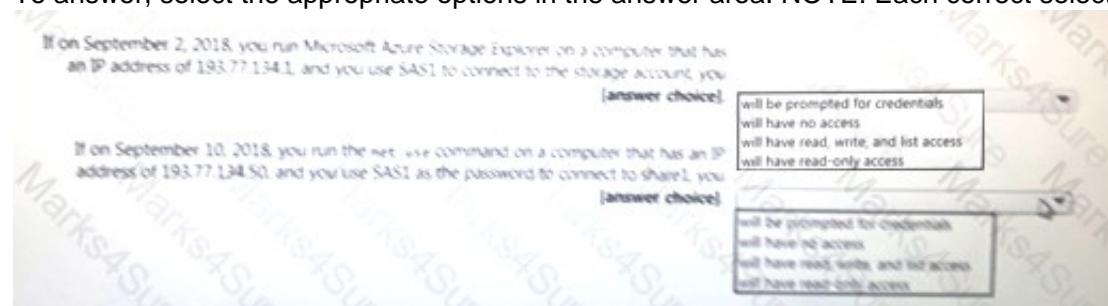
**Explanation:**



### NEW QUESTION 262

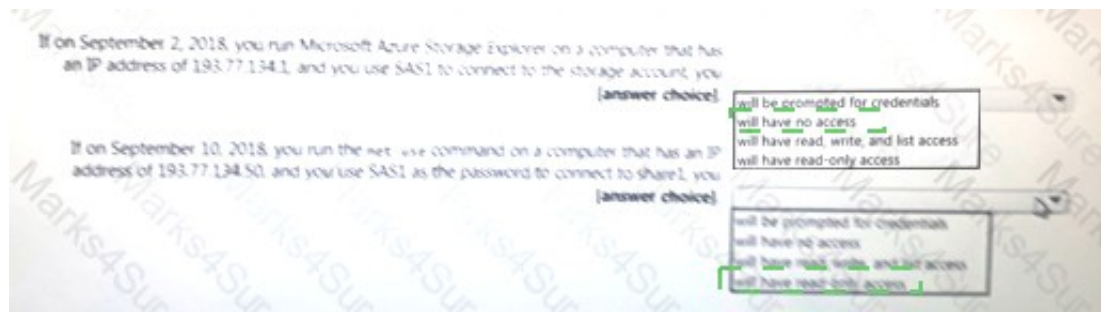
You have an Azure subscription named Subscription 1.  
In Subscription1, you create an Azure file share named share1.  
You create a shared access signature (SAS) named SAS1 as shown in the following exhibit.

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



**Answer:**

**Explanation:**



#### NEW QUESTION 264

A company is developing a new website that uses Azure Cosmos DB for data storage. You need to implement a method to retrieve one item by identifier. The method must run as efficiently as possible. How should you complete the code segment? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

```
private static readonly string DatabaseId = ConfigurationManager.AppSettings["database"];
private static readonly string CollectionId = ConfigurationManager.AppSettings["collection"];
private static DocumentClient;
public static async Task<T> GetItemAsync(string id, string category)
{
    try
    {
        Document document =
            (
                UriFactory.CreateDocumentUri(DatabaseId, CollectionId, id)
                UriFactory.CreateDatabaseUri(DatabaseId, CollectionId, id)
                UriFactory.CreateCollectionUri(DatabaseId, CollectionId, id)
                DatabaseId, CollectionId, id
            )

        return (T)(dynamic) document;
    }
    catch (DocumentClientException e)
    {
    }
}
```

**Answer:**

**Explanation:** References:

<https://docs.microsoft.com/en-us/dotnet/api/microsoft.azure.documents.client.documentclient.readdocumentasync>

#### NEW QUESTION 267

You are developing a solution that requires serverless code execution in Azure. The solution has two functions that must run in a specific order. You need to ensure that the second function can use the output from the first 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.



```

public static async Task<object> Run(
{
    try
    {
        var f1Result = await c.
        return await c.
    }
    catch (Exception e)
    {
        ...
    }
}

```

DurableOrchestrationContext
DurableActivityContext
DurableOrchestrationClient
DurableOrchestrationStatus

c)

CallActivityAsync
CallSuborchestratorAsync
WaitForExternalEvent

<object>("AzureFunction01", null);

CallActivityAsync
CallSubOrchestratorAsync
WaitForExternalEvent

<object>("AzureFunction02", f1Result);

Answer:

Explanation:

```

public static async Task<object> Run(
{
    try
    {
        var f1Result = await c.
        return await c.
    }
    catch (Exception e)
    {
        ...
    }
}

```

DurableOrchestrationContext
DurableActivityContext
DurableOrchestrationClient
DurableOrchestrationStatus

c)

CallActivityAsync
CallSuborchestratorAsync
WaitForExternalEvent

<object>("AzureFunction01", null);

CallActivityAsync
CallSubOrchestratorAsync
WaitForExternalEvent

<object>("AzureFunction02", f1Result);

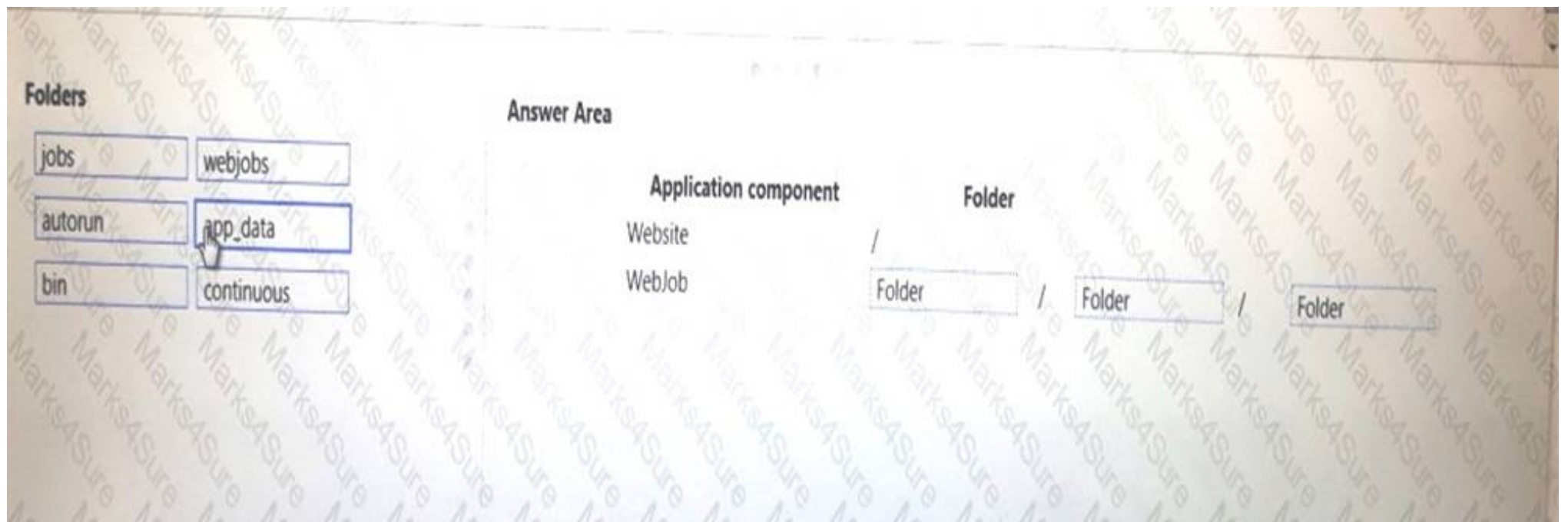
#### NEW QUESTION 272

You are developing an application that consists of an ASP.NET Core Web API website and a WebJob that starts automatically and runs continuously. You are building the deployment process for the application.

You need to ensure that both the website and the WebJob are deployed.

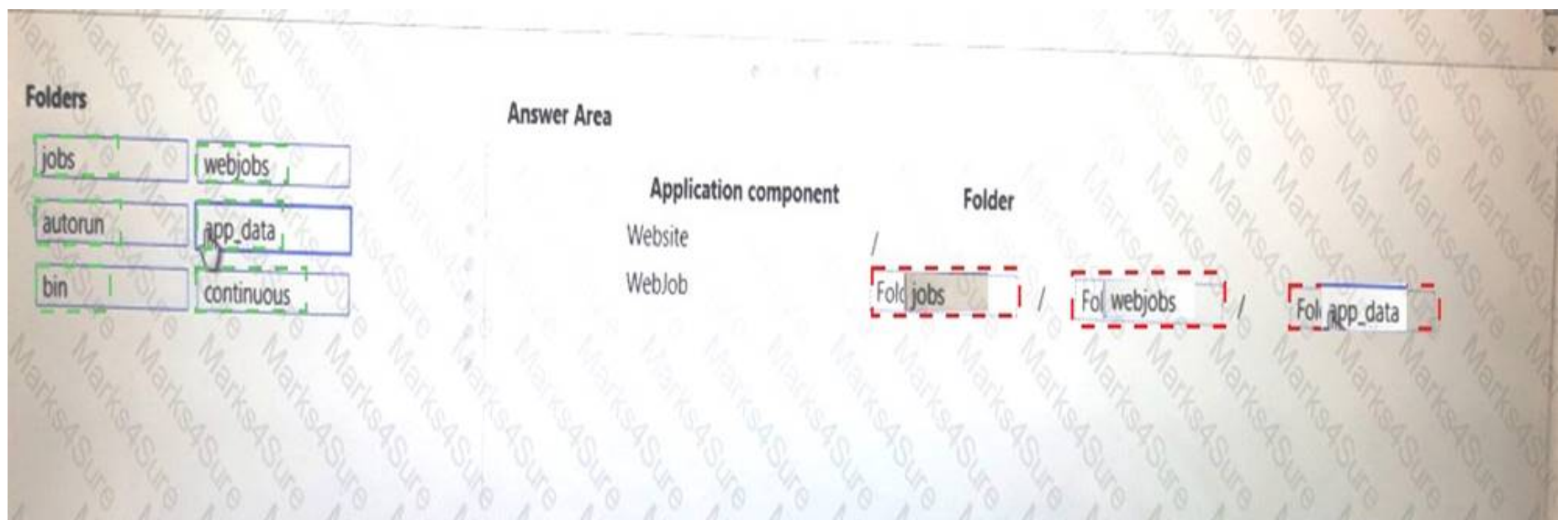
How should you structure the deployment folders? To answer, drag the appropriate path segments to the correct locations. Each path segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.



**Answer:**

**Explanation:**



#### NEW QUESTION 274

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 279

You are developing a .Net Core WebJob that is triggered by an Azure Storage Queue. The project uses dependency injection from the NuGet package Microsoft.Extensions.DependencyInjection. The WebJob logic is contained in the Worker class. The program.cs file contains the following code:

```
static void Main()
{
    var sc = new ServiceCollection();
    sc.AddSingleton<Worker>();
    var sp = sc.BuildServiceProvider();
    var jobHostConfig = new JobHostConfiguration()
    {
        JobActivator = new Helper(sp),
    };
    var host = new JobHost(jobHostConfig);
    host.RunAndBlock();
}
```

You need to ensure that the Worker class can run when an Azure Storage Queue message arrives. Which code segments should you use to 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.



### Code Segments

- IJobActivator
- IServiceProvider
- IExtensionRegistry
- IExtensionConfigProvider
- ITriggeredFunctionExecutor

### Answer Area

```
public class Helper :
{
    private readonly Code segment _x;

    public Helper( Code segment x)
    {
        this._x = x;
    }
    public T CreateInstance<T>()
    {
        return this._x.GetService<T>();
    }
}
```

Answer:

Explanation:

### Code Segments

- IJobActivator
- IServiceProvider
- IExtensionRegistry
- IExtensionConfigProvider
- ITriggeredFunctionExecutor

### Answer Area

```
public class Helper : IJobActivator
{
    private readonly IServiceProvider _x;

    public Helper( IServiceProvider x)
    {
        this._x = x;
    }
    public T CreateInstance<T>()
    {
        return this._x.GetService<T>();
    }
}
```

#### NEW QUESTION 284

You are developing an IoT solution. The solution requires bidirectional communication between a .NET application and Azure IoT Hub.

You need to obtain connection information for a single test device.

Which three 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.

**Commands**

```
az iot hub device-identity import
-- hub -name <iot-hub-name>
-- device-id <device-id>
```

```
az extension add
-- name <iot -extension-name>
```

```
az iot hub device-identity create
-- hub -name <iot-hub-name>
-- device-id <device-id>
```

```
az iot hub device-identity show-connection-string
-- hub -name <iot-hub-name>
-- device-id <device-id>
```

```
az iot hub device-identity export
-- hub -name <iot-hub-name>
-- device-id <device-id>
```

**Answer Area****Answer:****Explanation:****Commands**

```
az iot hub device-identity import
-- hub -name <iot-hub-name>
-- device-id <device-id>
```

```
az extension add
-- name <iot -extension-name>
```

```
az iot hub device-identity create
-- hub -name <iot-hub-name>
-- device-id <device-id>
```

```
az iot hub device-identity show-connection-string
-- hub -name <iot-hub-name>
-- device-id <device-id>
```

```
az iot hub device-identity export
-- hub -name <iot-hub-name>
-- device-id <device-id>
```

**Answer Area**

```
az extension add
-- name <iot -extension-name>
```

```
az iot hub device-identity create
-- hub -name <iot-hub-name>
-- device-id <device-id>
```

```
az iot hub device-identity show-connection-string
-- hub -name <iot-hub-name>
-- device-id <device-id>
```



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

Name

Queue1

Max size

1 GB

Message time to live (default)

Days

Hours

Minutes

Seconds

0

2

0

0

Days

Hours

Minutes

Seconds

0

0

5

0

☒

Enable dead lettering on message expiration

☐

Enable duplicate detection

☐

Enable sessions

☒

Enable partitioning

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.

If a message that has a TTL of four hours is written to QUEUE1 and is never read, the message will be [answer choice].

deleted after two hours

deleted after four hours

deleted after two hours and five minutes

retained until manually deleted

If a message that has a TTL of two hours is written to Queue1, and then read after one hour, the message will be [answer choice].

deleted immediately

deleted in five minutes

deleted in one hour

retained until manually deleted

Answer:

Explanation:

If a message that has a TTL of four hours is written to QUEUE1 and is never read, the message will be [answer choice].

deleted after two hours

deleted after four hours

deleted after two hours and five minutes

retained until manually deleted

If a message that has a TTL of two hours is written to Queue1, and then read after one hour, the message will be [answer choice].

deleted immediately

deleted in five minutes

deleted in one hour

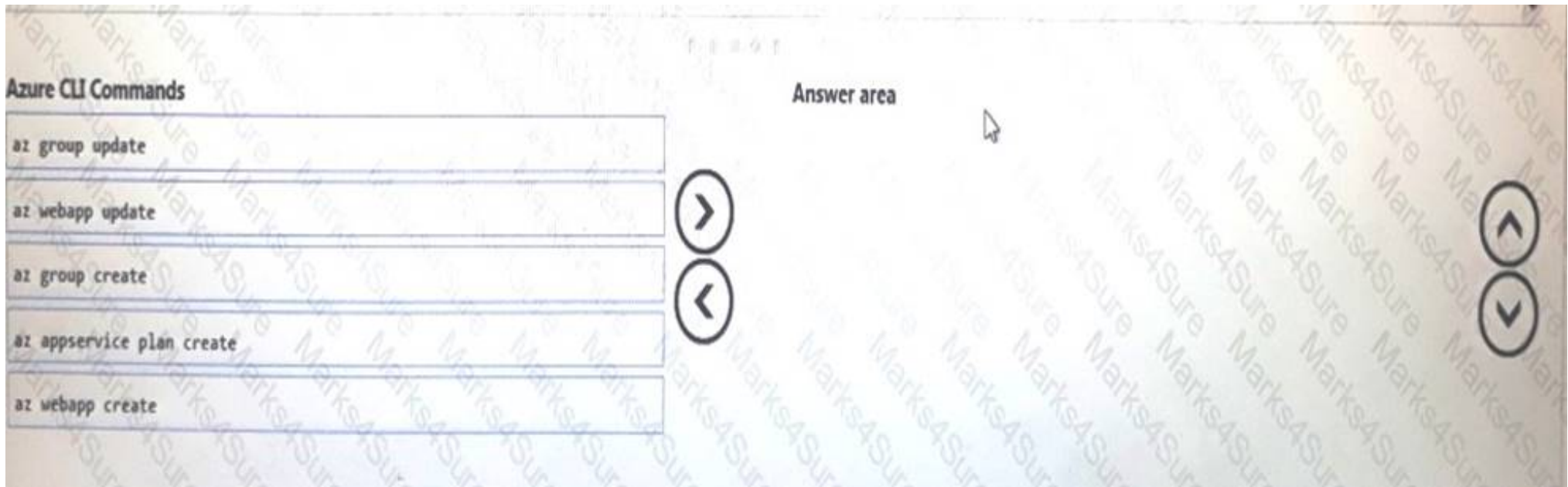
retained until manually deleted

NEW QUESTION 291

You are developing a Docker/Go using Azure App Service Web App for Containers. You plan to run the container in an App Service on Linux. You identify a Docker container image to use.

None of your current resource groups reside in a location that supports Linux. You must minimize the number of resource groups. You need to create the application and perform an initial deployment required.

Which three Azure CLI 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 group create  
az appservice plan create az webapp create

**NEW QUESTION 294**

You create an Azure Time Series Insights event handler.  
You need to send data over the network as efficiently as possible and optimize query performance. What should you do?

- A. Use a Tag ID.
- B. Use reference data.
- C. Send all properties.
- D. create a query plan.

**Answer:** B

**NEW QUESTION 299**

You are creating a bot for a company by using QnA Maker.  
You need to ensure that the company can update the bot without third-party assistance. What should you use? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Scenario	Component
Add scenario question/answer content.	<div><div></div><div>QnA Maker runtime</div><div>QnA Maker management service</div></div>
Use an Azure Application Insights resource for analytics.	<div><div></div><div>QnA Maker runtime</div><div>QnA Maker management service</div></div>
Update and train a knowledge base.	<div><div></div><div>QnA Maker runtime</div><div>QnA Maker management service</div></div>

**Answer:**

**Explanation:** References:  
<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/overview/overview>

**NEW QUESTION 304**

You plan to develop an Azure Stream Analytics job that ingests streaming data from legacy SaaS, and cloud applications. The data will be used to launch workflows which perform data analysis.  
You need to select Azure resources to handle the data input and output for the solution. Which resources should you use?

- A. Input: Event Hub, output: IoT Hub
- B. Input: Blobs, output: IoT Hub
- C. Input: Event Hub, output: Service Bus



D. Input: Event Hub, output: Azure SQL database

**Answer:** C

#### NEW QUESTION 308

You have an Azure subscription that contains a virtual network named VNet1. VNet1 has two subnets named Subnet1 and Subnet2. VNet1 is in the West Europe Azure region. The subscription contains the virtual machines in the following table.

Name	Connected to
VM1	Subnet1
VM2	Subnet1
VM3	Subnet2

You need to deploy an application gateway named AppGW1 to VNet1. What should you do first?

- A. Add a load balancer.
- B. Add a virtual network.
- C. Add a subnet
- D. Create a network security group (NSG).

**Answer:** C

#### NEW QUESTION 309

Note: This question is a part of a series of questions that presents the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some questions sets might have more than one correct solution, while others 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 use ASP.NET Core MVC with ADO.NET to develop an application. You implement database sharding for the application by using Azure SQL Database. You establish communication links between the shard databases.

You need to implement a strategy that allows a group of operations that are performed on multiple Azure databases to be rolled back on all databases if any of the operations fail.

Solution:

- ▶ Create stored procedures in each Azure SQL database instance to perform operations for each respective database.
- ▶ Invoke a named transaction in each stored procedure.
- ▶ Establish a new transaction scope in a using block. Within the block, establish connections to each Azure SQL Databases instance and run the stored procedure.

- ▶ If no exception occurs, commit the scoped transaction.

Does the solution meet the goal?

- A. Yes
- B. No

**Answer:** B

#### NEW QUESTION 314

You have an Azure subscription.

You have 100 Azure virtual machines.

You need to quickly identify underutilized virtual machines that can have their changed to a less expensive offering.

Which Wade should you use?

- A. Metrics
- B. Monitor
- C. Customer insights
- D. Advisor

**Answer:** B

#### NEW QUESTION 316

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 1. Adatum contains a group named Developers. Subscription1 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 Subscription1, you assign the DevTest Labs User role to the Developers group.

Does this meet the goal?

- A. Yes
- B. NO

**Answer:** B

#### NEW QUESTION 317

You maintain an existing Azure SQL database instance. Management of the database is performed by an external party. All 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.

Responses

Yes

No

Answer Area

Protection method

Enable AlwaysOn encryption.

Set the column encryption setting to **disabled**.

Assign users to the **Public** fixed database role.

Store column encryption keys in the system catalog view in the database

Response

Response

Response

Response

Response

**Answer:**

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

**NEW QUESTION 321**  
You are developing a rating service for books that runs on Azure Service Fabric. One of the services uses reliable collections that update the ratings of a book. Testers report that the ratings are not updated when the code is run. You need to implement the code to ensure that ratings are updated in the collection. You have the following class:

```
class Book
{
    string Name;
    string Rating;

    public Book(Book refBook)
    {
        Name = refBook.Name;
        Rating = refBook.Rating;
    }
}
```

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



**First code segments**

```
Book updatedBook = new Book();
```

```
Book updatedBook = new Book(currentBook);
```

```
Book updatedBook = new Book(isbn);
```

```
Book updatedBook = new Book();
updatedBook = currentBook;
```

**Second code segments**

```
updatedBook.Rating = currentBook.Rating++;
await m_dic.SetValue(tx, name, updatedBook);
```

```
await m_dic.SetValue(tx, name, (updatedBook.Rating + 1));
```

```
updatedBook.Rating = updatedBook.Rating + 1;
await m_dic.SetValue(tx, name, updatedBook);
```

```
updatedBook.Rating = updatedBook.Rating + 1;
currentBook = updatedBook;
```

**Answer Area**

```
using (ITransaction tx = StateManager.CreateTransaction()) {
    ConditionalValue<Book> currentBook = await m_dic.TryGetValueAsync(tx, isbn)
    if (currentBook.HasValue) {
        first code segment
        second code segment
        await tx.CommitAsync();
    }
}
```

**Answer:**

**Explanation:**

**First code segments**

```
Book updatedBook = new Book();
```

```
Book updatedBook = new Book(currentBook);
```

```
Book updatedBook = new Book(isbn);
```

```
Book updatedBook = new Book();
updatedBook = currentBook;
```

**Second code segments**

```
updatedBook.Rating = currentBook.Rating++;
await m_dic.SetValue(tx, name, updatedBook);
```

```
await m_dic.SetValue(tx, name, (updatedBook.Rating + 1));
```

```
updatedBook.Rating = updatedBook.Rating + 1;
await m_dic.SetValue(tx, name, updatedBook);
```

```
updatedBook.Rating = updatedBook.Rating + 1;
currentBook = updatedBook;
```

**Answer Area**

```
using (ITransaction tx = StateManager.CreateTransaction()) {
    ConditionalValue<Book> currentBook = await m_dic.TryGetValueAsync(tx, isbn)
    if (currentBook.HasValue) {
        Book updatedBook = new Book(currentBook);
        updatedBook.Rating = currentBook.Rating++;
        await m_dic.SetValue(tx, name, updatedBook);
        await tx.CommitAsync();
    }
}
```

#### NEW QUESTION 324

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 N1C3. IP forwarding is enabled on NIC3. Routing is enabled on VM3. You create a route table named RT1. RT1 is associated to Subnet1 and Subnet2 and contains the routes in the following 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 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.

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"/>

**Answer:**

**Explanation:**

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"/>

#### NEW QUESTION 327

You plan to move a web application named App1 from an on-premises data center to Azure. App1 depends on a custom framework that is installed on the host server.

You need to recommend a solution to host App1 in Azure. The solution must meet the following requirements:

- ☒ App1 must be available to users if an Azure data center becomes unavailable.
- ☒ Costs must be minimized.

What should you include in the recommendation?

- A. In two Azure regions, deploy a load balancer and a web app.
- B. Deploy a load balancer and a virtual machine scale set across two availability zones.
- C. In two Azure regions, deploy a traffic manager profile and a web app.
- D. In two Azure regions, deploy a load balancer and a virtual machine scale set.

**Answer:** C

#### NEW QUESTION 330

You create a virtual machine scale set named Scale1. Scale1 is configured as shown in the following exhibit.



**INSTANCES**

Instance count ①  ✓

Instance size (View full pricing details) ①  ✓

Deploy as low priority ①

Use managed disks ①

• Show advanced settings

**AUTOSCALE**

Autoscale ①

Minimum number of VMs ①  ✓

Maximum number of VMs ①  ✓

**Scale out**

CPU threshold (%) ①  ✓

Number of VMs to increase by ①  ✓

**Scale in**

CPU threshold (%) ①  ✓

Number of VMs to decrease by ①  ✓

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.

If Scale1 is utilized at 85 percent for six minutes, Scale1 will be running [answer choice].

If Scale1 is first utilized at 25 percent for six minutes, and then utilized at 50 percent for six minutes, Scale1 will be running [answer choice].

**Answer:**

**Explanation:**

If Scale1 is utilized at 85 percent for six minutes, Scale1 will be running [answer choice].

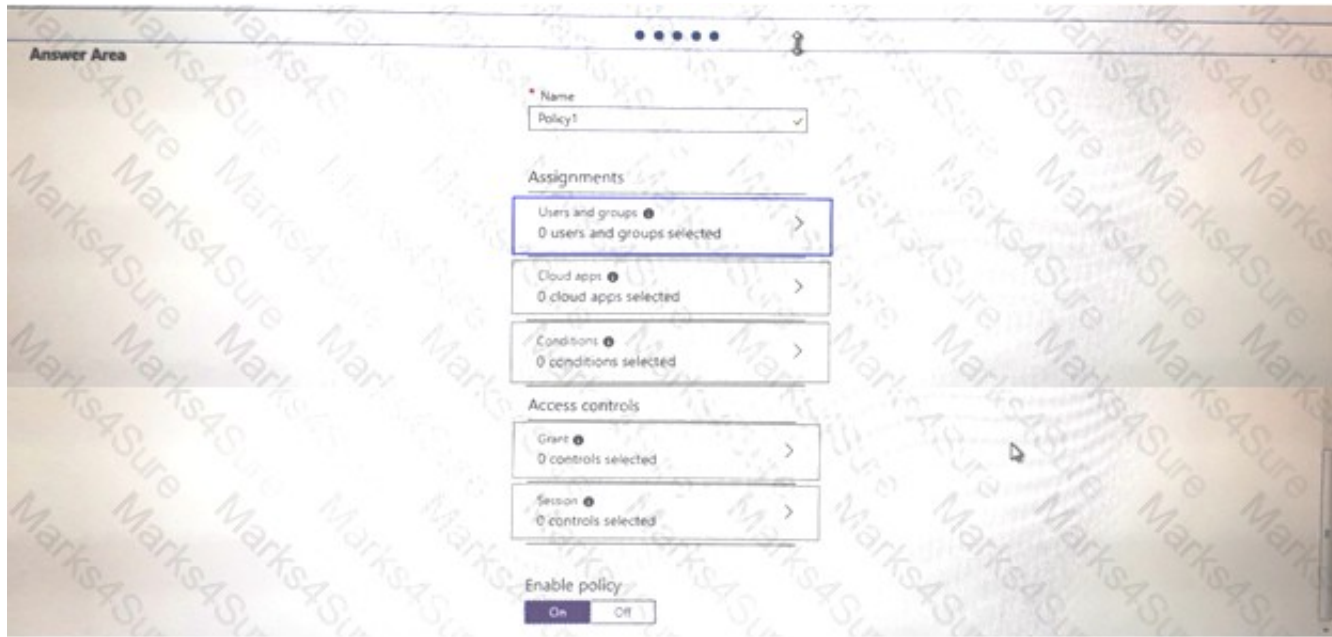
If Scale1 is first utilized at 25 percent for six minutes, and then utilized at 50 percent for six minutes, Scale1 will be running [answer choice].

### NEW QUESTION 333

You have an Azure Active Directory (Azure AD) tenant.

You need to create a conditional access policy that requires all users to use multi-factor authentication when they access the Azure portal.

Which three settings should you configure? To answer, select the appropriate settings in the answer area. NOTE: Each correct selection is worth one point.



**Answer:**

**Explanation:**



### NEW QUESTION 338

You are developing a speech-enabled home automation control bot. The bot interprets some spoken words incorrectly. You need to improve the spoken word recognition for the bot. What should you implement?

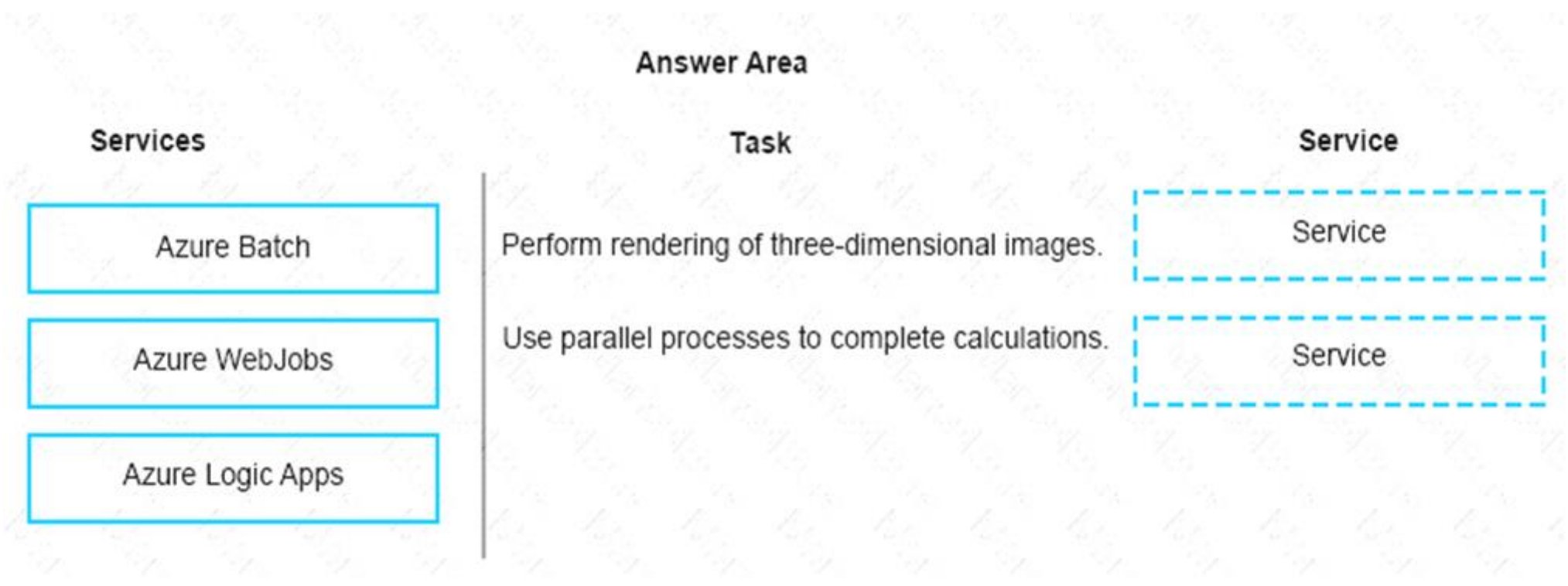
- A. The Cortana Channel and use scorable dialogs for improving conversation flow
- B. The Skype for Business Channel and use scorable dialogs for improving conversation flow
- C. The Skype Channel and Speech priming using a LUIS app
- D. The Web Chat Channel and Speech priming using a Bing Speech Service and LUIS app

**Answer:** D

### NEW QUESTION 342

You develop a web app that needs to use image analysis and processing for identifying individuals. This involves rendering of large three-dimensional images stored in Azure storage and performing GRP-intensive calculations on the processed images for input into other services. Scaling and provisioning of the underlying infrastructure needs to occur during rendering and calculations as needed. You need to find services for the tasks that will not impact the web app. Which services should you use? To answer, drag the appropriate services to the correct tasks. Each service 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/batch/batch-technical-overview>

**NEW QUESTION 345**

You are developing a .NET Core on-premises application that updates multiple Azure SQL Database instances. The application must log all update commands attempted to a separate Azure SQL database instance named AuditDb.  
You define an outer TransactionScope with a loop to enumerate and run the SQL commands on each customer database connection and an inner TransactionScope to record all transactions attempted within the outer TransactionScope to the AuditDb database.  
You need to develop a method to perform the updates to the databases. The solution must meet the following requirements:

- ▶ All rows written to the AuditDb database must be committed even if the outer transaction fails.
- ▶ If an error occurs writing to the AuditDb database, the outer transaction must be rolled back.
- ▶ If an error occurs writing to the Customer databases, only the outer transaction must be rolled back.
- ▶ Values for TransactionScopeOption must be specified for the customer databases.
- ▶ Values for TransactionScopeOption must be specified for the AuditDb database.

Which TransactionScopeOption values should you use?

- A. Required for TransactionScopeOption and Required for AuditTranScopeOption
- B. Required for TransactionScopeOption and Suppress for AuditTranScopeOption
- C. Suppress for TransactionScopeOption and Suppress for AuditTranScopeOption
- D. Suppress for TransactionScopeOption and RequiresNew for AuditTranScopeOption

**Answer:** B

**Explanation:** References:  
<https://docs.microsoft.com/en-us/dotnet/framework/data/transactions/implementing-an-implicit-transactionusing>

**NEW QUESTION 347**

You have the following resource groups:

Resource group	Comments
DevServer_WestCentralUS	<p>This resource group is located in the West Central US region and contains a single virtual machine (VM) named DevServer.</p> <p>DevServer is connected to a private subnet in an Azure Virtual Network that has no internet access.</p>
Workstation_EastUS	<p>This resource group is located in the East US region and contains a virtual machine named DevWorkstation.</p> <p>DevWorkstation is connected to a subnet in a Visual 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.</p>

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 350

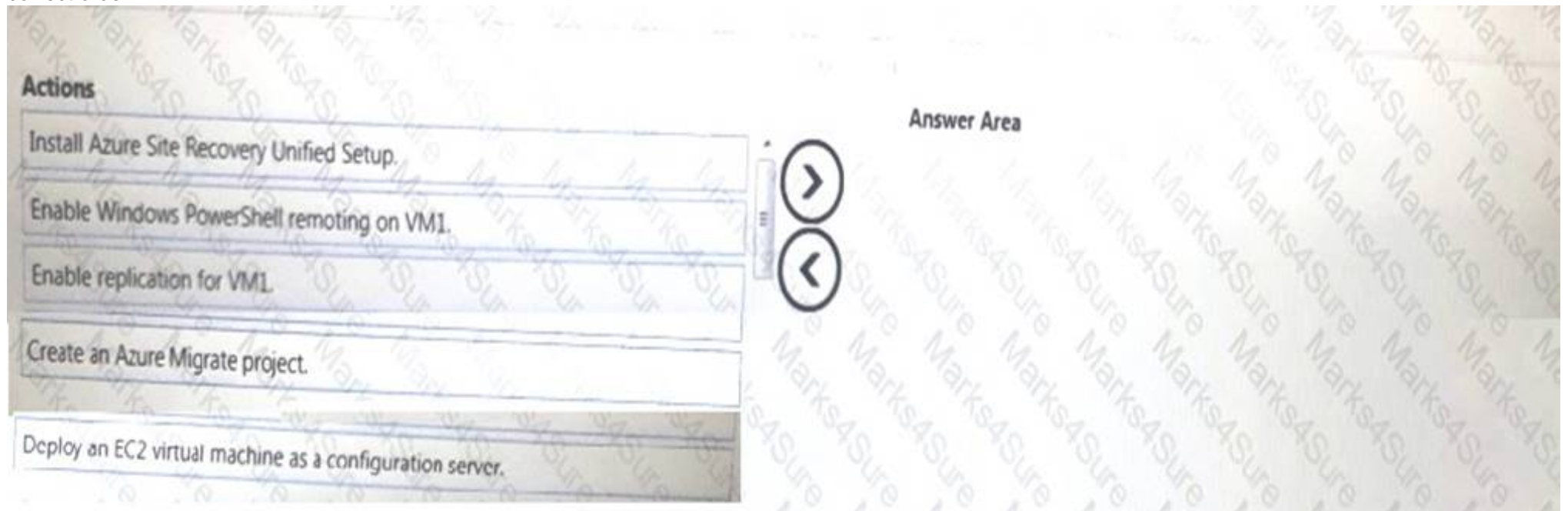
You have an Azure subscription that contains the following resources:

- a virtual network named VNet1
- a replication policy named RepIPoHcy1
- a Recovery Services vault named Vault1
- an Azure Storage account named Storage1

You have an Amazon Web Services (AWS) EC2 virtual machine named VM1 that runs Windows Server 2016.

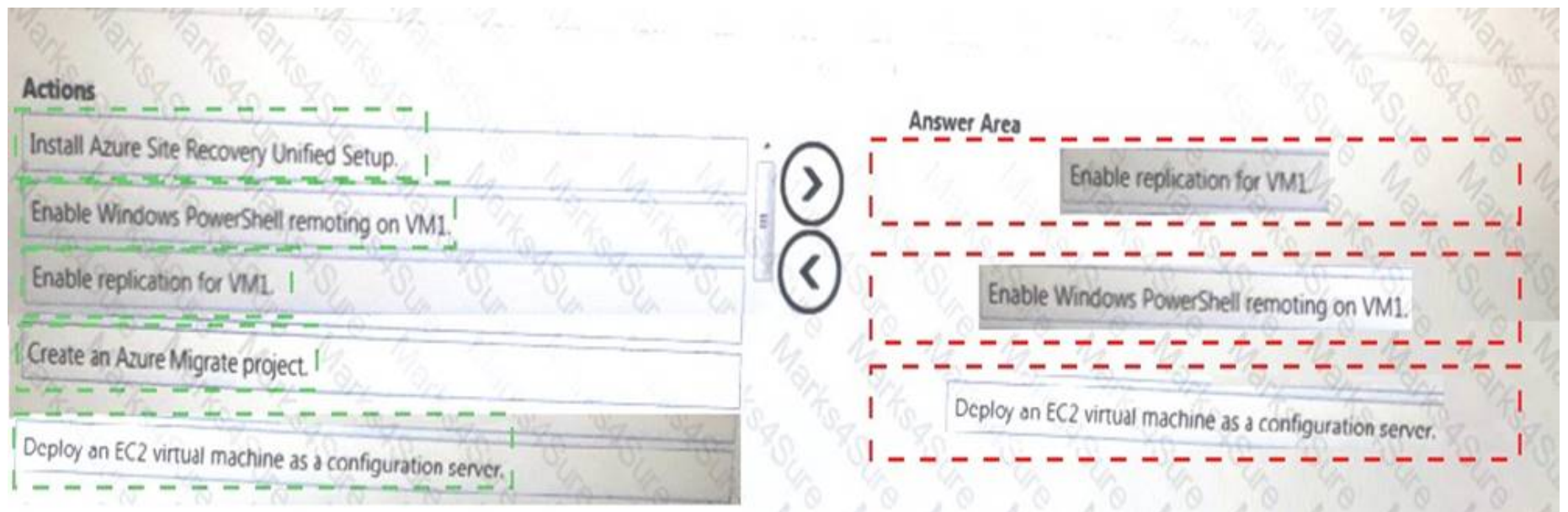
You need to migrate VM1 to VNet1 by using Azure Site Recovery.

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:**



#### NEW QUESTION 351

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

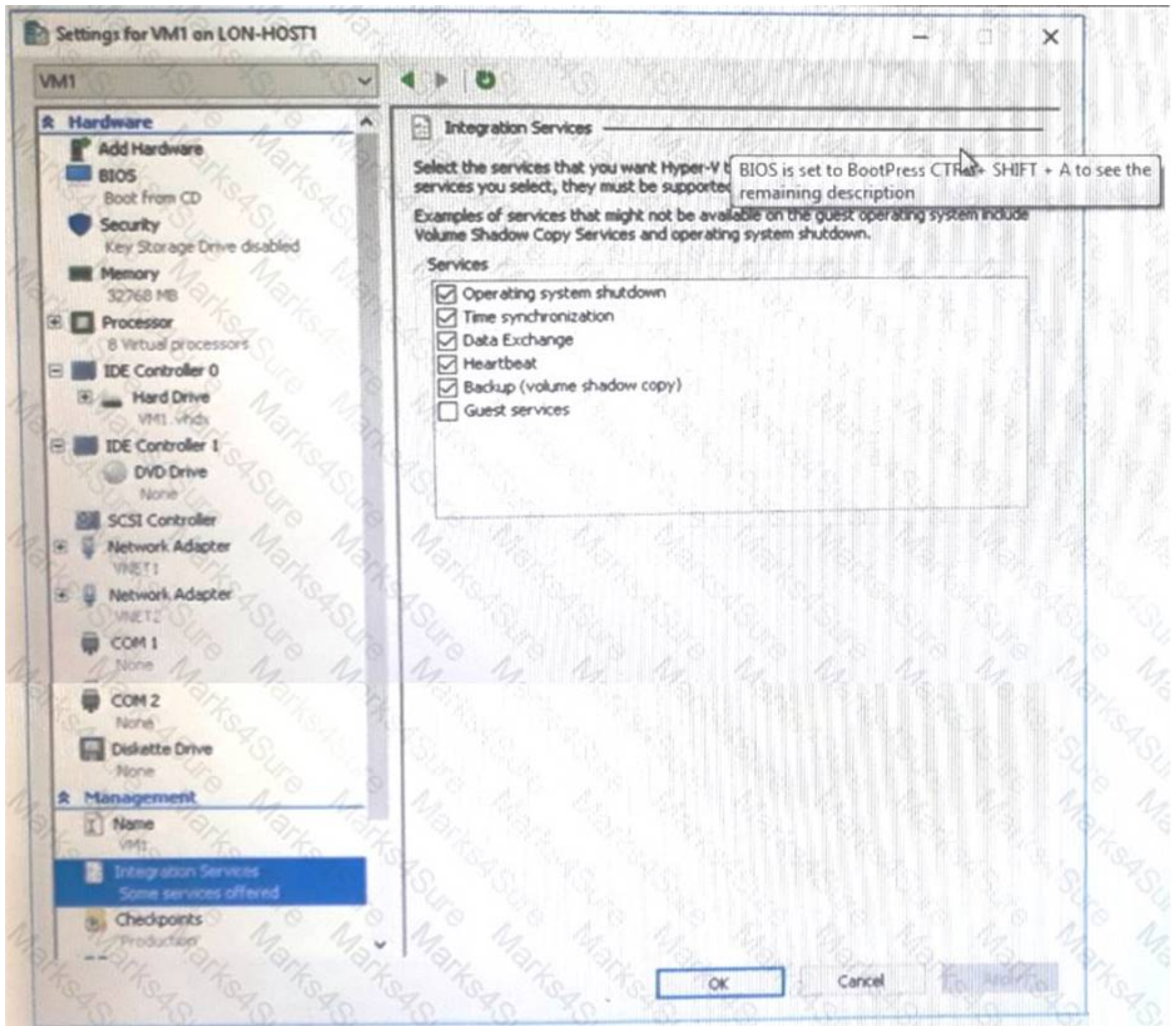
**Answer: C**

#### NEW QUESTION 352

You have an Azure subscription.

You have an on-premises virtual machine named VM1. The settings for VM1 are shown in the exhibit. (Click the Exhibit tab.)





You need to ensure that you can use the disks attached to VM1 as a template for Azure virtual machines. What should you modify on VM1?

- A. the hard drive
- B. Integration Services
- C. the memory
- D. the network adapters
- E. the processor

**Answer:** C

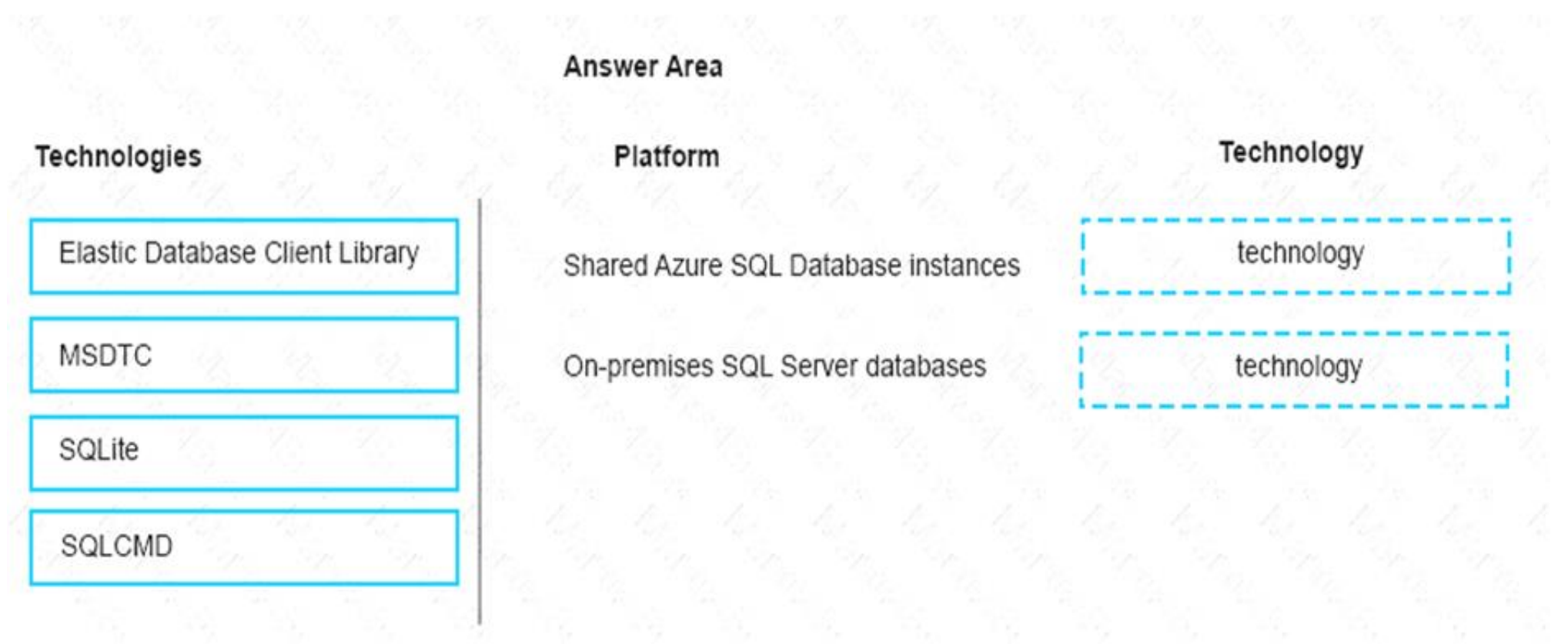
#### NEW QUESTION 355

You are developing a multi-tenant ASP.NET Core application that will be hosted on Azure. The application will support multiple database platforms, including Azure SQL and on-premises SQL Server instances.

You need to ensure that the application supports distributed transactions.

Which technologies should you use? To answer, drag the appropriate technologies to the correct scenarios. Each technology 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 360**

You have an on-premises network that includes a Microsoft SQL Server instance named SQL1. You create an Azure Logic App named App1.

You need to ensure that App1 can query a database on SQL1.

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.



## Actions

## Answer Area

From an Azure virtual machine, install an on-premises data gateway.

From an on-premises computer, install an on-premises data gateway.

Create an Azure virtual machine that runs Windows Server 2016.

From the Azure portal, create an on-premises data gateway.

From the Logic Apps Designer in the Azure portal, add a connector.

**Answer:**

**Explanation:** References:

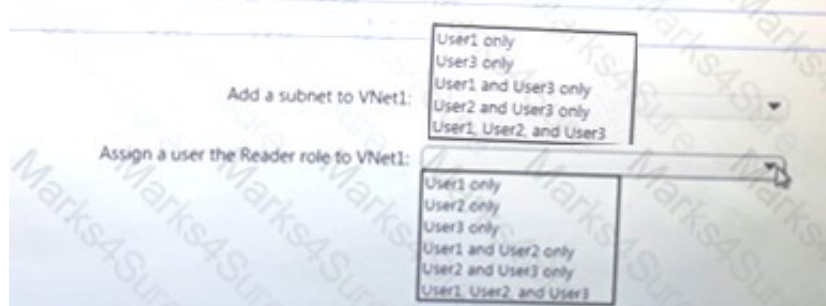
<https://docs.microsoft.com/en-us/azure/logic-apps/logic-apps-gateway-connection>

### NEW QUESTION 365

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

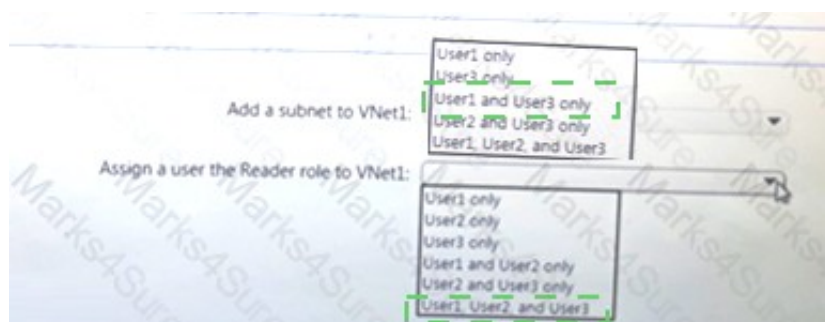
User	Role
User1	Owner
User2	Security Admin
User3	Network Contributor

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



**Answer:**

**Explanation:**



### NEW QUESTION 367

A company plans to automate specific sections of a customer service call center solution.

You must develop a bot that can be used on the company's website to provide answers to frequently asked questions (FAQ). You must create a bot that includes the existing FAQs by using Azure Bot Service with QnA Maker.

You need to test the bot.

What are two ways to achieve this goal? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. MSBot
- B. Bot Framework Emulator

- C. Web chat in Azure portal  
D. ngrok

**Answer:** BC

#### NEW QUESTION 370

You are developing a workflow solution using Azure technologies.

What should you implement to meet each requirement? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Requirement	Tool
Debug the solution by using Visual Studio.	<div> <input type="checkbox"/> Durable functions only  <input type="checkbox"/> Logic Apps only  <input type="checkbox"/> Durable functions and Logic Apps         </div>
Use a collection of ready-made actions.	<div> <input type="checkbox"/> Durable functions only  <input type="checkbox"/> Logic Apps only  <input type="checkbox"/> Durable functions and Logic Apps         </div>
Deploy the component by using Visual Studio Team Services.	<div> <input type="checkbox"/> Durable functions only  <input type="checkbox"/> Logic Apps only  <input type="checkbox"/> Durable functions and Logic Apps         </div>

**Answer:**

**Explanation:**

Requirement	Tool
Debug the solution by using Visual Studio.	<div> <input checked="" type="checkbox"/> Durable functions only  <input type="checkbox"/> Logic Apps only  <input type="checkbox"/> Durable functions and Logic Apps         </div>
Use a collection of ready-made actions.	<div> <input type="checkbox"/> Durable functions only  <input checked="" type="checkbox"/> Logic Apps only  <input type="checkbox"/> Durable functions and Logic Apps         </div>
Deploy the component by using Visual Studio Team Services.	<div> <input checked="" type="checkbox"/> Durable functions only  <input type="checkbox"/> Logic Apps only  <input type="checkbox"/> Durable functions and Logic Apps         </div>

#### NEW QUESTION 371

A company has the following offices:

Office	Comments
Location1	This office has 30 networked computers, a VPN server, and a server that runs Microsoft Exchange.
Location2	This office has five on-premises servers.

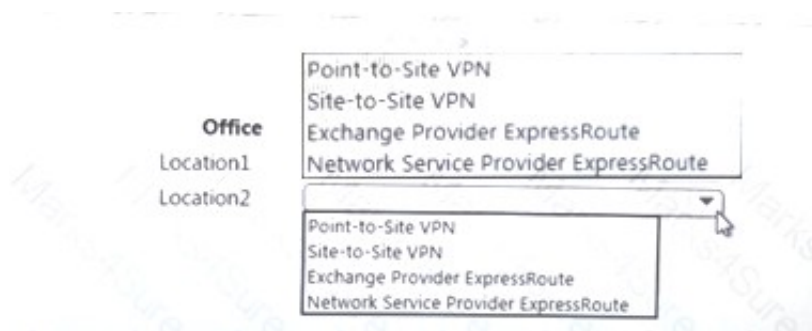
The company plans to expand its network to the cloud. You identify the following requirements:

- Location1 requires a dynamic pool of virtual machines (VMs) for offsite computations
- Employees from Location1 must be able to connect to VMs through a virtual network to start tasks and check results.
- Servers from Location2 must privately and continuously back up all data to Azure. The process will require up to 1 Gbps bandwidth.

You need to configure the hybrid solution.

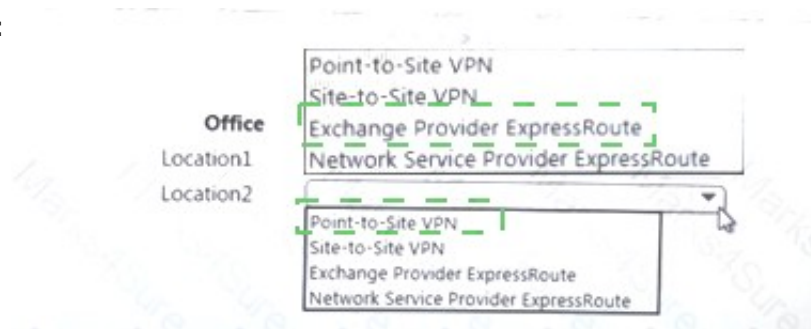
Which connection types should you use? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.





**Answer:**

**Explanation:**



#### NEW QUESTION 372

You are developing an 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 SendsSmsQuizQuestion 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.

```
[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 = 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) |


}
```

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)


```

#### NEW QUESTION 374

You have a task that includes a WebJob that should run continuously. The WebJob Log exhibit shows the text that is displayed when the WebJob runs. (Click the WebJob Log tab.)

Continuous WebJob Details

Pending restart

Run commands: WebJob1.exe

Toggle Output

Refreshed a moment ago, [refresh](#) or [download](#)

[08/18/2018 17:28:24 > e013ed:SYS INFO] Run script 'WebJob1.exe' with script host - 'WindowsScriptHost'

[08/18/2018 17:28:24 > e013ed:SYS INFO]Status changed to Running

[08/18/2018 17:28:25 > e013ed:INFO] WebJob Started

[08/18/2018 17:28:25 > e013ed:SYS INFO] Status changed to Success

[08/18/2018 17:28:25 > e013ed:SYS INFO] Process went down waiting for 60 seconds

[08/18/2018 17:28:25 > e013ed:SYS INFO] Status changes to PendingRestart

The WebJob is configured as shown in the WebJob Configuration exhibit. (Click the WebJob Configuration tab.)

WebApp0909 - WebJobs

Search (Ctrl=)

SETTINGS

Authentication / Authorization

Application Insights

Managed service identity

Backups

Custom domains

SSL certificates

Networking

Scale up (App Service plan)

Scale out (App Service plan)

WebJobs

+ Add Refresh Logs Delete Properties

WebJobs

WebJobs provide an easy way to run scripts or programs as background processes in the context of your app.

NAME	TYPE	STATUS	SCHEDULE
WebJob1	Continuous	Pending Restart	n/a

The WebJob is not functioning as expected. The WebJob Code exhibit has a comment that shows where code should be added. (Click the WebJob Code tab.)



```

0 references
8 class Program
9 {
10 private static Timer workTimer = new Timer();
11
12 | 0 references
12 static void Main()
13 {
14 | Trace.WriteLine("WebJob Setup Starting");
15 | var config = new JobHostConfiguration();
16 |
17 | if (config.IsDevelopment)
18 | {
19 | config.UseDevelopmentSettings();
20 | }
21 |
22 | workTimer.Interval = TimeSpan.FromSeconds(10).TotalMilliseconds;
23 | workTimer.Elapsed += WorkTimer_Elapsed;
24 | workTimer.AutoReset = true;
25 | workTimer.Enabled = true;
26 |
27 | Console.WriteLine("WebJob Started");
28 | }
28
| 1 reference
30 private static void WorkTimer_Elapsed(object sender, ElapsedEventArgs e)
31 {
32 | Console.WriteLine("Workload Processing");
33 | //ToDo-Implement code
34 | Trace.WriteLine("Workload Complete");
35 | }
36 }
37

```

You need to identify any issues with the WebJob. For each of the following statements, select Yes if the statement is true. Otherwise, select No.  
NOTE: Each correct selection is worth one point.

	Yes	No
The WebJob will run continuously as the code is written.	<input type="radio"/>	<input type="radio"/>
The text WebJob Setup Starting will output to the WebJob Logs.	<input type="radio"/>	<input type="radio"/>
The timer-elapsed code will be invoked and run at least once.	<input type="radio"/>	<input type="radio"/>
The WebJob settings are properly configured in the Azure portal.	<input type="radio"/>	<input type="radio"/>

Answer:

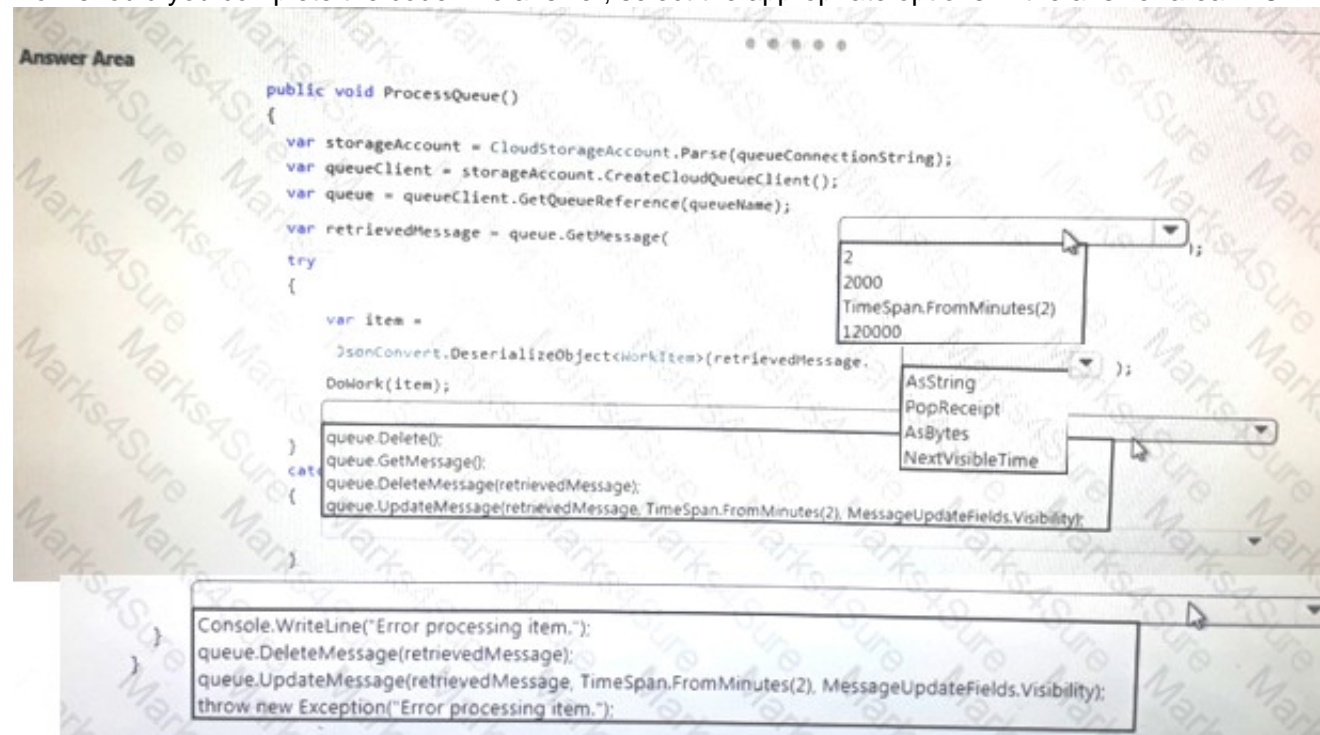
Explanation:

	Yes	No
The WebJob will run continuously as the code is written.	<input type="radio"/>	<input checked="" type="radio"/>
The text WebJob Setup Starting will output to the WebJob Logs.	<input type="radio"/>	<input checked="" type="radio"/>
The timer-elapsed code will be invoked and run at least once.	<input checked="" type="radio"/>	<input type="radio"/>
The WebJob settings are properly configured in the Azure portal.	<input checked="" type="radio"/>	<input type="radio"/>

#### NEW QUESTION 375

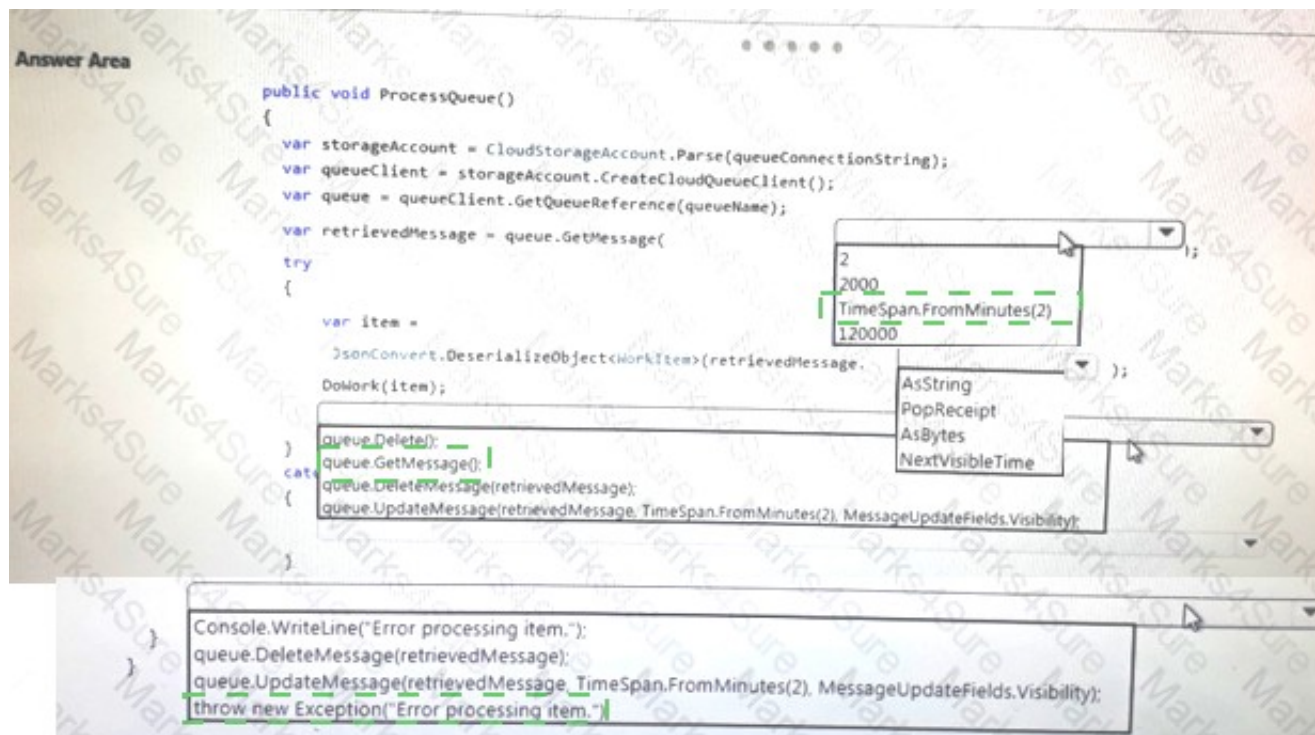
An application that you manage has several web front-end instances. Each web front end communicates with a set of back-end worker processes by using an Azure queue. You are developing code for the worker processes. You have a function named DoWork0 that handles d3ta processing tasks. You need to develop code for the worker processes that meets the following requirements:

- Property access an item from the queue and be resistant to failure.
  - Run on multiple background processes.
  - Ensure that items are available to other workers two minutes after a worker process fails.
  - Ensure that messages regarding failed processes are logged to the console.
- How should you complete the code? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.



Answer:

Explanation:



### NEW QUESTION 380

A company sells products worldwide and provides customer service in many languages. The company has a customer service email address for customer requests.

The language the email is written in needs to be recognized and routed to the appropriate local department.

You need to use the appropriate cognitive service to detect the language of the email. How should you initiate language detection?

- Use the Spark natural language processing functionality on Azure HDInsight.
- Post the content to <https://westus.api.cognitive.microsoft.com/luis/v2.0/apps/...?subscriptionkey...&verbose=false>.
- Use the Entity Linking Intelligence Service (ELIS) API.
- Post the content to `<region>.api.cognitive.microsoft.com/text/analytics/v2.0/languages.endpoint`.

Answer: D

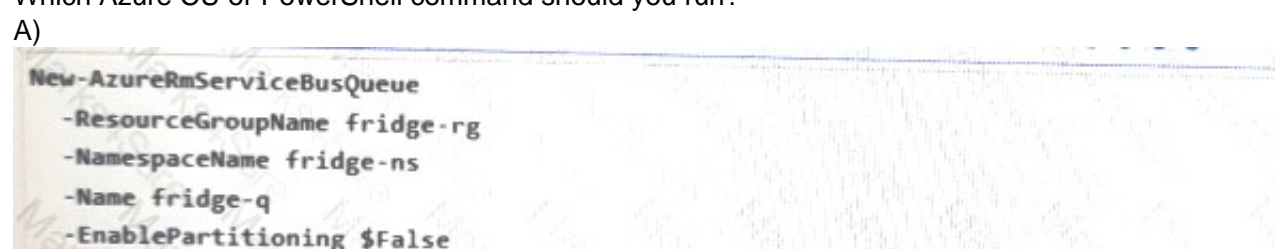
### NEW QUESTION 381

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?





B)

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

C)

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

D)

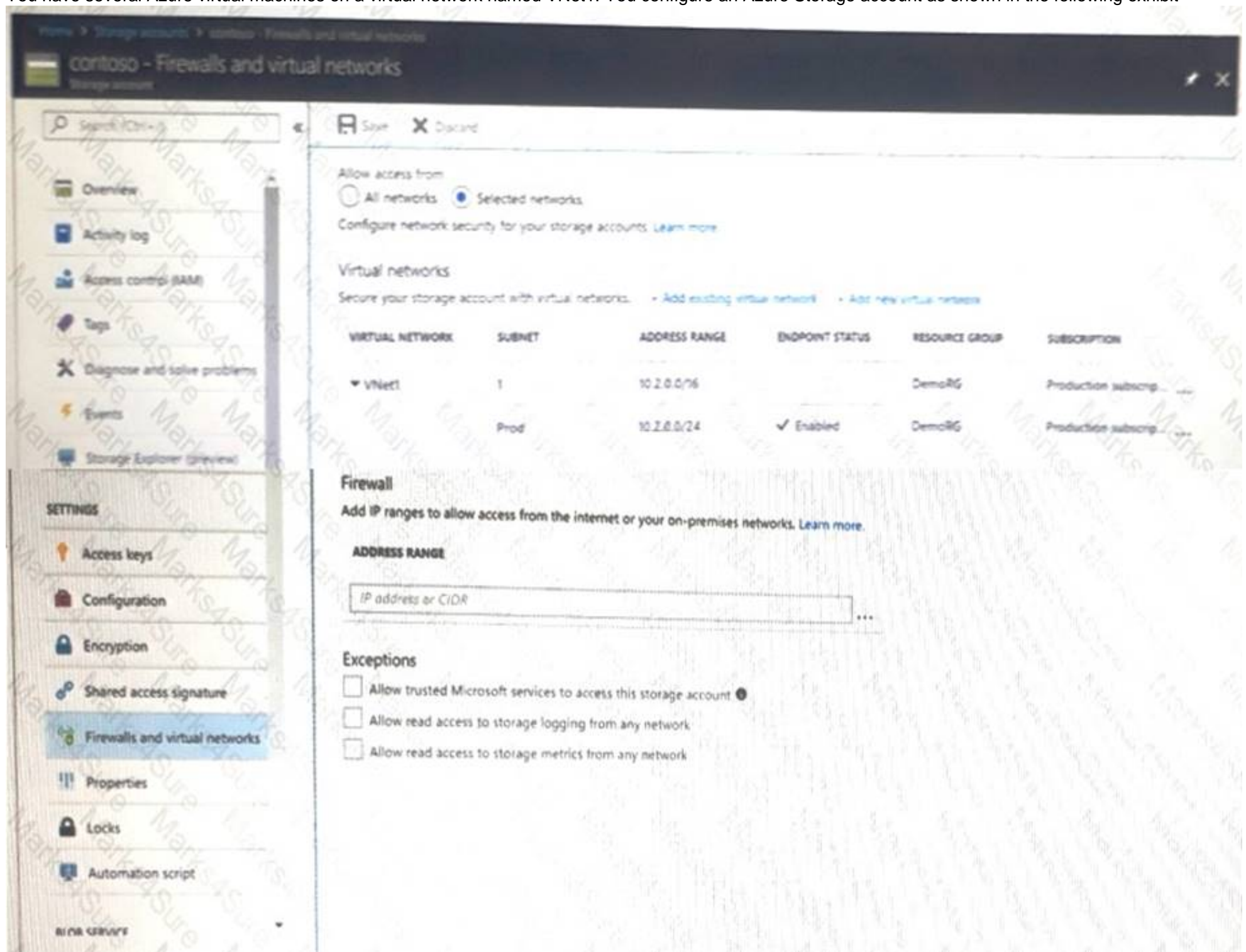
```
connectionString=$(az servicebus namespace authorization-rule keys list
--resource-group fridge-rg
--fridge-ns fridge-ns
--name RootManageSharedAccessKey
--query primaryConnectionString --output tsv)
```

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

**Answer: D**

#### NEW QUESTION 385

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 386**

.....



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