



**Microsoft**

## **Exam Questions AZ-302**

Microsoft Azure Solutions Architect Certification Transition

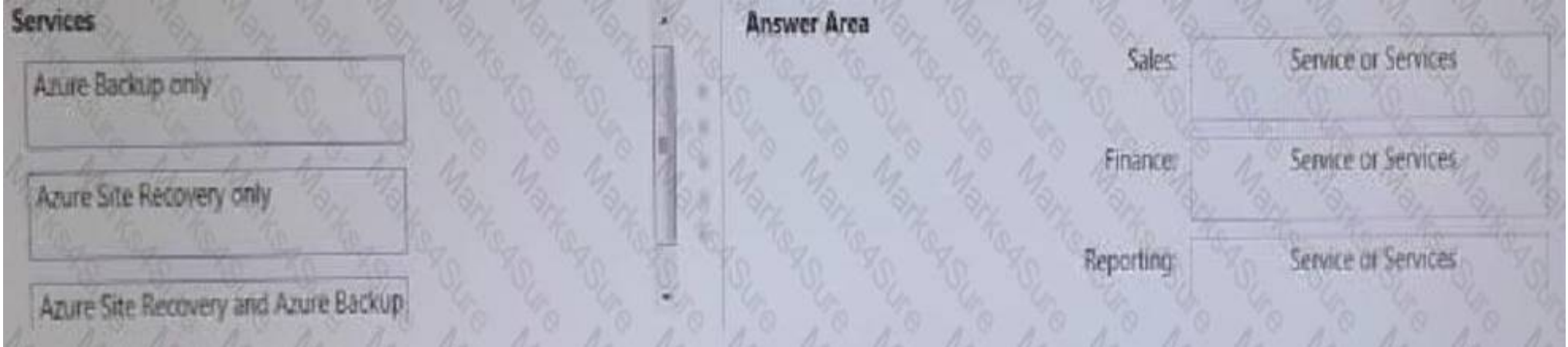
NEW QUESTION 1

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 al a daily granularity. The RTO is eight hours.
- The sales application must be able to fail over to second on-premises data center.

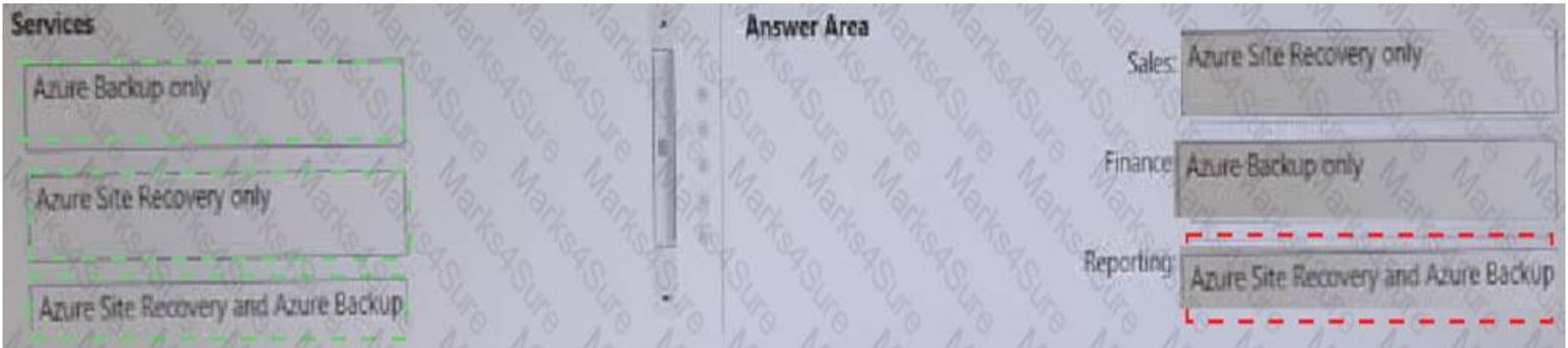
You need to recommend which Azure services meet the business community and disaster recovery objectives. The solution must minimize costs.

What should you recommend for each application? To answer, drag the appropriate services to the correct application. Each service may be used owe. More than once not at an You may need to drag the spin bar between panes or scroll 10 view content.



Answer:

Explanation:



NEW QUESTION 2

You have an Azure Service Bus.

You need to implement a Service Bus queue that guarantees first-in-first-out (FIFO) delivery of messages. What should you do?

- A. Enable partitioning.
- B. Set the Max Size setting of the queue to 5 GB.
- C. Enable duplicate detection.
- D. Enable sessions.
- E. Set the Lock Duration setting to 10 seconds.

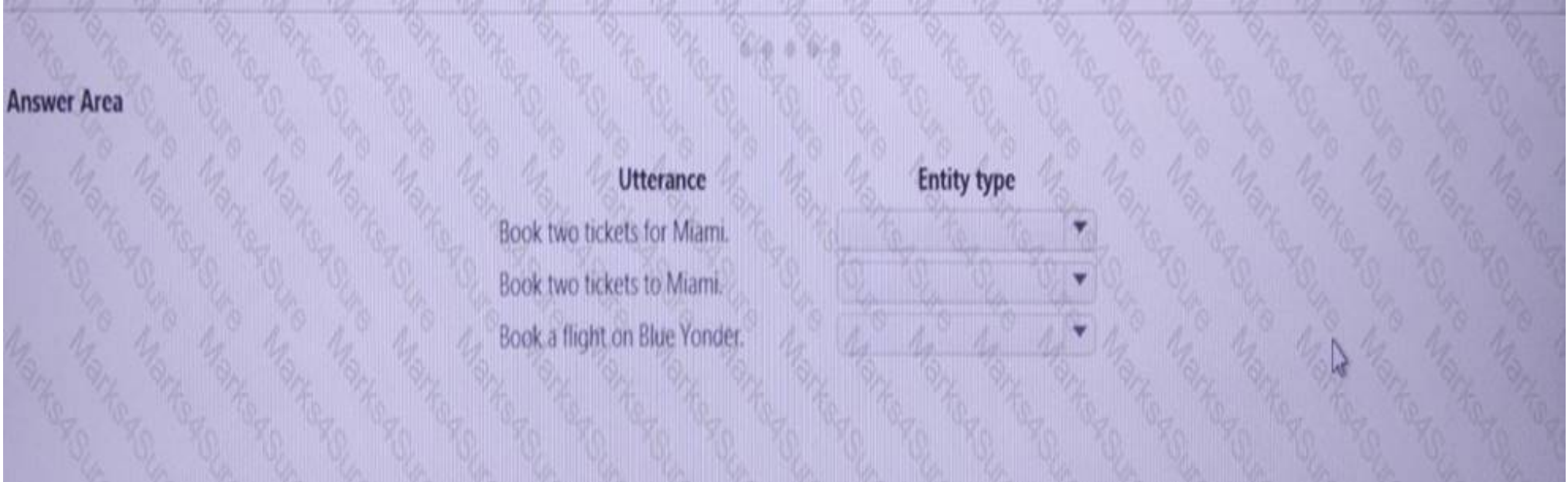
Answer: A

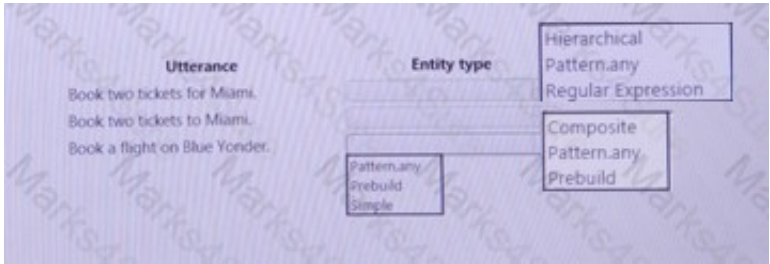
NEW QUESTION 3

You are creating a flight reservations chat bot in a web app. You use Language Understanding Intelligence Services (LUIS) and Microsoft Cognitive Service APIs to create the chat bot.

You add a pre-built domain and provide intents and utterances. You need more than the intent name for your chat bot to act on concepts. You need to choose entities for those concepts that have actions assigned for the app.

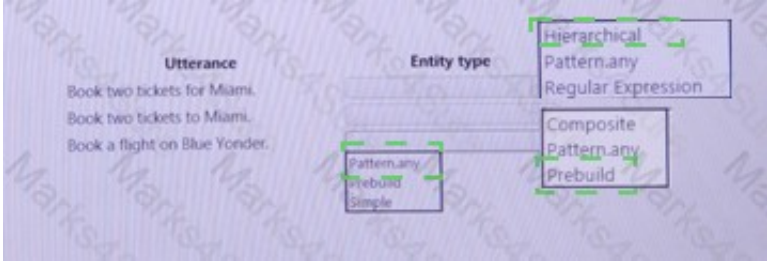
Which entities should you use? To answer, select the appropriate options in the answer area. NOTE: ach connect selection is worth one point.





Answer:

Explanation:



NEW QUESTION 4

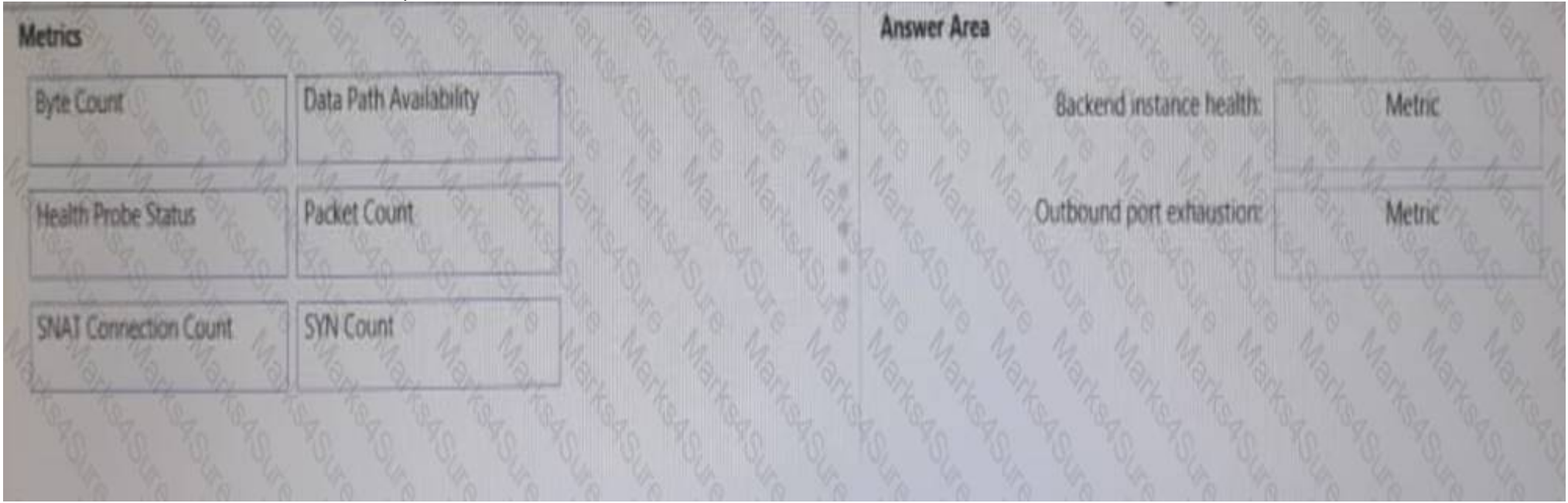
The accounting department at your company migrates to new financial accounting software. The accounting department must keep file-based database backups for years for compliances purposes. It is unlikely that the backup will be used to recover data. You need to more the backups to Azure. The solution must minimize costs. Where should store the backups?

- A. Azure SQL Database
- B. a Recovery Services vault
- C. Azure Blob storage that uses the archive ter
- D. Azure storage that uses the Cool tier

Answer: C

NEW QUESTION 5

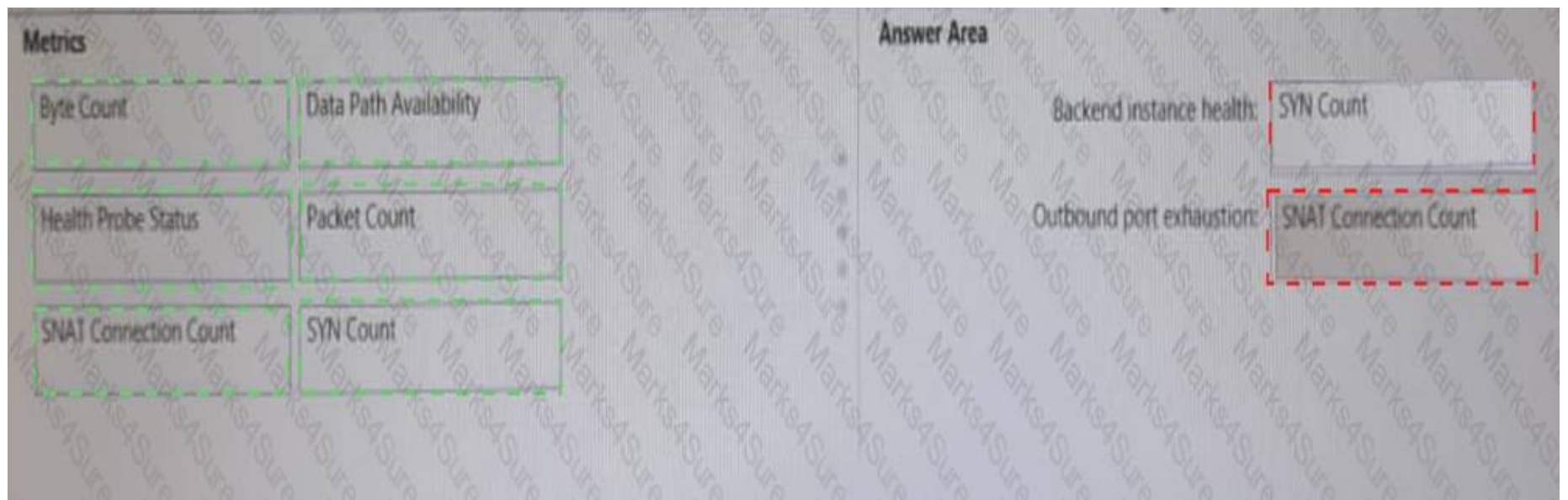
You have standard Load balancer configured to support three virtual machines on the same subnet. You need to recommend a solution to notify administrators when the load balancer fails. Which metrics should you recommend using to test the load balancer? To answer, drag the appropriate metrics to the correct 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.



Answer:

Explanation:





#### NEW QUESTION 6

You manage a single-domain, on-premises Active Directory for named contoso.com. The forest functional level is window Server 2016. You have several on-premises applications that depend on Active Directory. You plan to migrate the applications to Azure. You need to recommend an identity solution for the appkcatkms. The solution must meet the following requirements:

- Eliminate the need for hybrid network connectivity
- Minimize management overhead for Active Directory. What should you recommend?

- A. In Azure, deploy additional domain controllers for the contoso.com domain
- B. In Azure, deploy an additional child domain to the contoso.com forest.
- C. Implement Azure Active Directory Domain Services (Azure AD DS).
- D. Implement a new Active Directory forest in Azure.

**Answer: A**

#### NEW QUESTION 7

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 8

You plan to deploy 200 Microsoft SQL Server databases to Azure by using SQL Database and Azure SQL Database Managed Instance.

You need to recommend a monitoring solution that provides a consistent monitoring approach for all deployments. The solution must meet the following requirements: Support current-state analysis on metrics collected near real-time multiple times per minutes and maintained for up to one hour.

Support longer term analysis based on metrics collected multiple times per hour and maintained for up to two weeks.

Support monitoring of the number of concurrent logins and concurrent sessions. What should you include in the recommendation?

- A. Azure Monitor
- B. dynamic management views
- C. SQL Server-Profiler
- D. trace flags

**Answer: D**

#### NEW QUESTION 9

You use Azure virtual machines to run a custom application that uses an Azure SQL database on the back end. The IT department at your company recently enabled forced tunneling,

Since the configuration change, developers have noticed degraded performance when they access the database.

You need to recommend a solution to minimize latency when accessing the database. The solution must minimize costs.

What should you include in the recommendation?

- A. Azure SQL Database Managed instance
- B. Azure virtual machines that run Microsoft SQL Server servers
- C. Always On availability groups
- D. virtual network service endpoint

**Answer: D**

#### NEW QUESTION 10

You are designing a network connectivity strategy for a new Azure subscription. You identify the following requirements:

\* The Azure virtual machines on a subnet named Subnet must be accessible only from me computers in your London office.  
 \* Engineers -equ.re access to the Azure virtual machines on a subnet named Subnets over the Internet on a specific TCP/IP management port.  
 \* The Azure virtual machines in the West Europe Azure region must be able to communkate on all ports to the Azure virtual machine in the North Europe Azure region.  
 You need to recommend which components must be used to meet me requirement  
 What should you include m the recommendation? To answer, drag me appropriate components .a the correct requirement. Each component may be used once, more than once.  
 not at all You may need to drag the split bar between panes or scroll to view content NOTE: Each correct selection is worm one point

**Components**

An Azure ExpressRoute connection
A network security group (NSG)
A new virtual network
A site-to-site VPN
Virtual network peering

**Answer Area**

The Azure virtual machines on Subnet1 must be accessible only from the computers in the London office:
Engineers require access to the Azure virtual machines on Subnet2 over the Internet on a specific TCP/IP management port:
The Azure virtual machines in the West Europe region must be able to communicate on all ports to the Azure virtual machines in the North Europe region:

Component
Component
Component

**Answer:**

**Explanation:**

**Components**

An Azure ExpressRoute connection
A network security group (NSG)
A new virtual network
A site-to-site VPN
Virtual network peering

**Answer Area**

The Azure virtual machines on Subnet1 must be accessible only from the computers in the London office:
Engineers require access to the Azure virtual machines on Subnet2 over the Internet on a specific TCP/IP management port:
The Azure virtual machines in the West Europe region must be able to communicate on all ports to the Azure virtual machines in the North Europe region:

A site-to-site VPN
A network security group (NSG)
An Azure ExpressRoute connection

**NEW QUESTION 10**

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.

Enable the key vaults for template deployment by using:
Restrict access to the secrets in the key vaults by using:

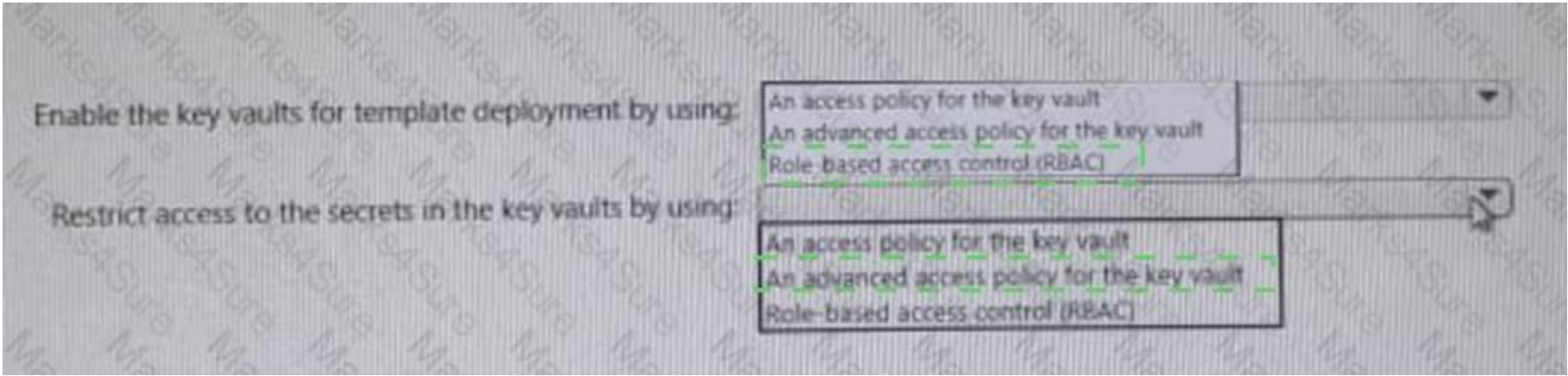
An access policy for the key vault
An advanced access policy for the key vault
Role-based access control (RBAC)

An access policy for the key vault
An advanced access policy for the key vault
Role-based access control (RBAC)

**Answer:**

**Explanation:**





NEW QUESTION 15

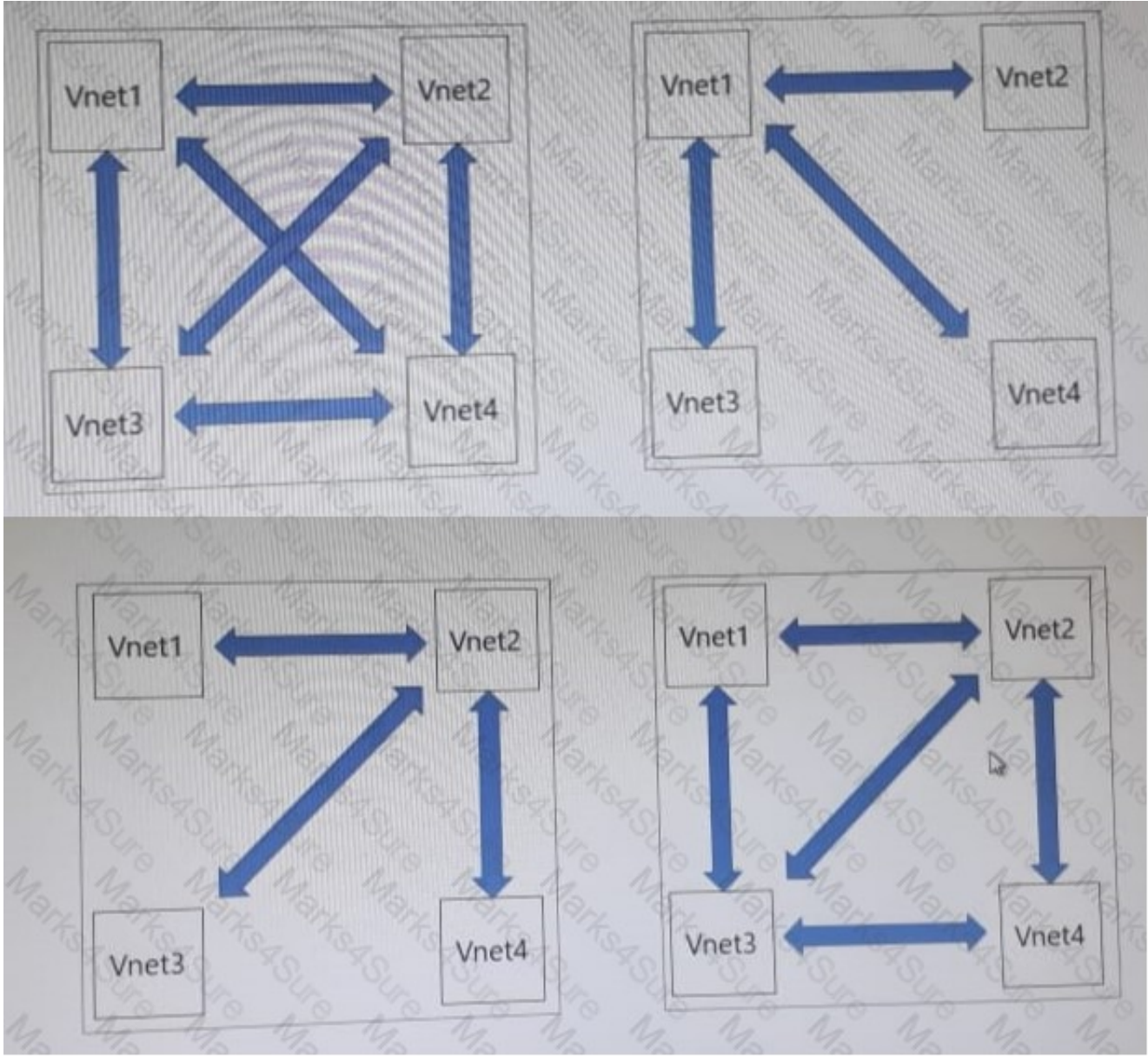
You have an Azure environment that contains the Azure subscription and the virtual networks shown in the following table.

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.

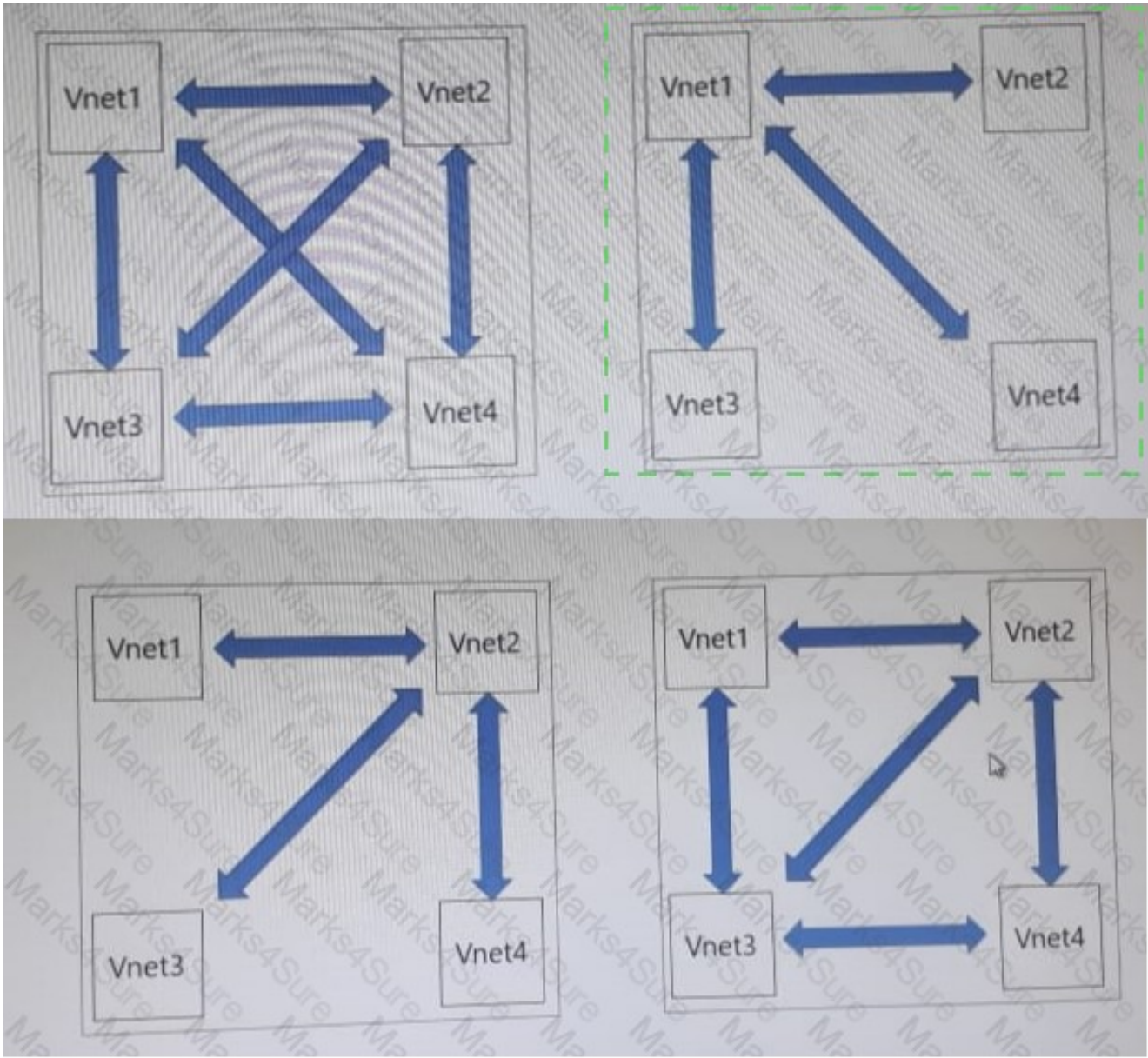
NOTE: Each correct selection is worth one point,



Answer:

Explanation:





NEW QUESTION 19

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.

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.

Create an Azure Logic App.

Answer area

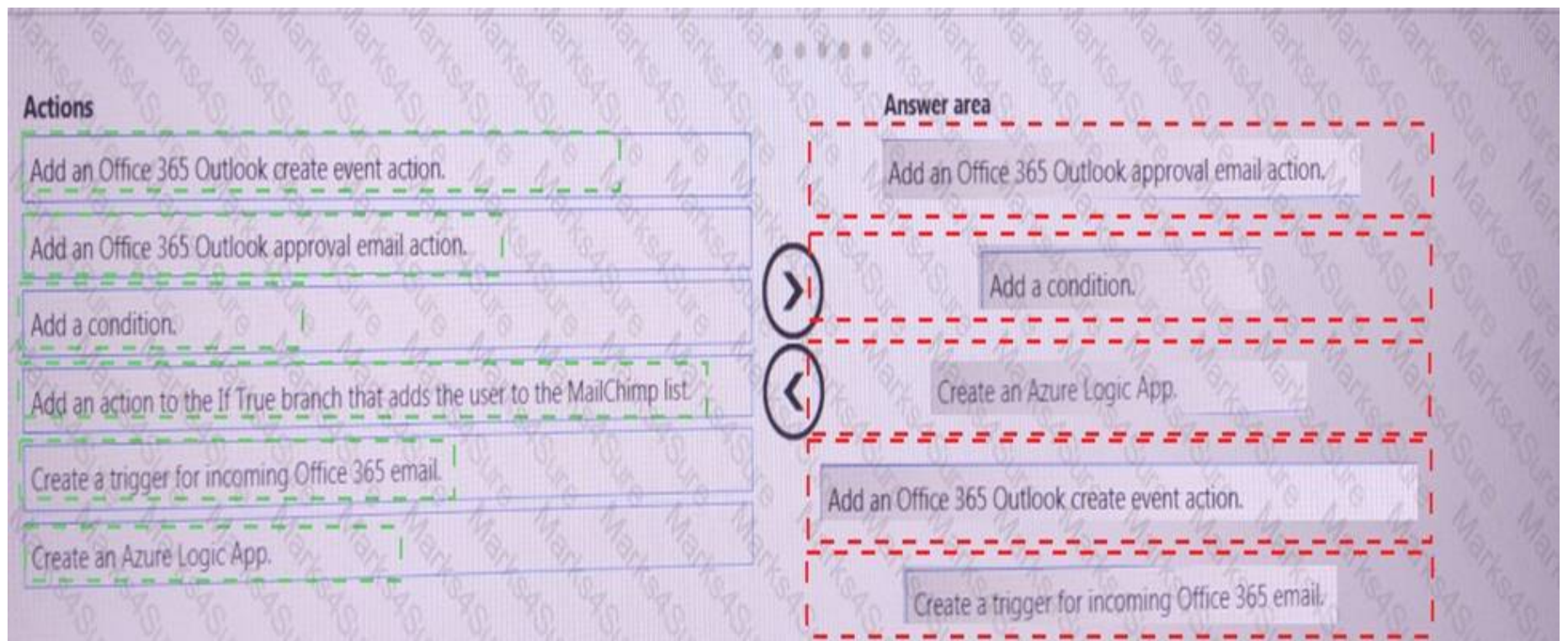
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Answer:

Explanation:





#### NEW QUESTION 20

You plan to deploy an API by using Azure API Management.

You need to recommend a solution to protect the API from a distribute derail of service (DDoS) attack. What should you recommend/

- A. Create network security groups (NSG)
- B. Enable rate limiting
- C. Strip the Power-By response header
- D. Enable quotas.

**Answer:** A

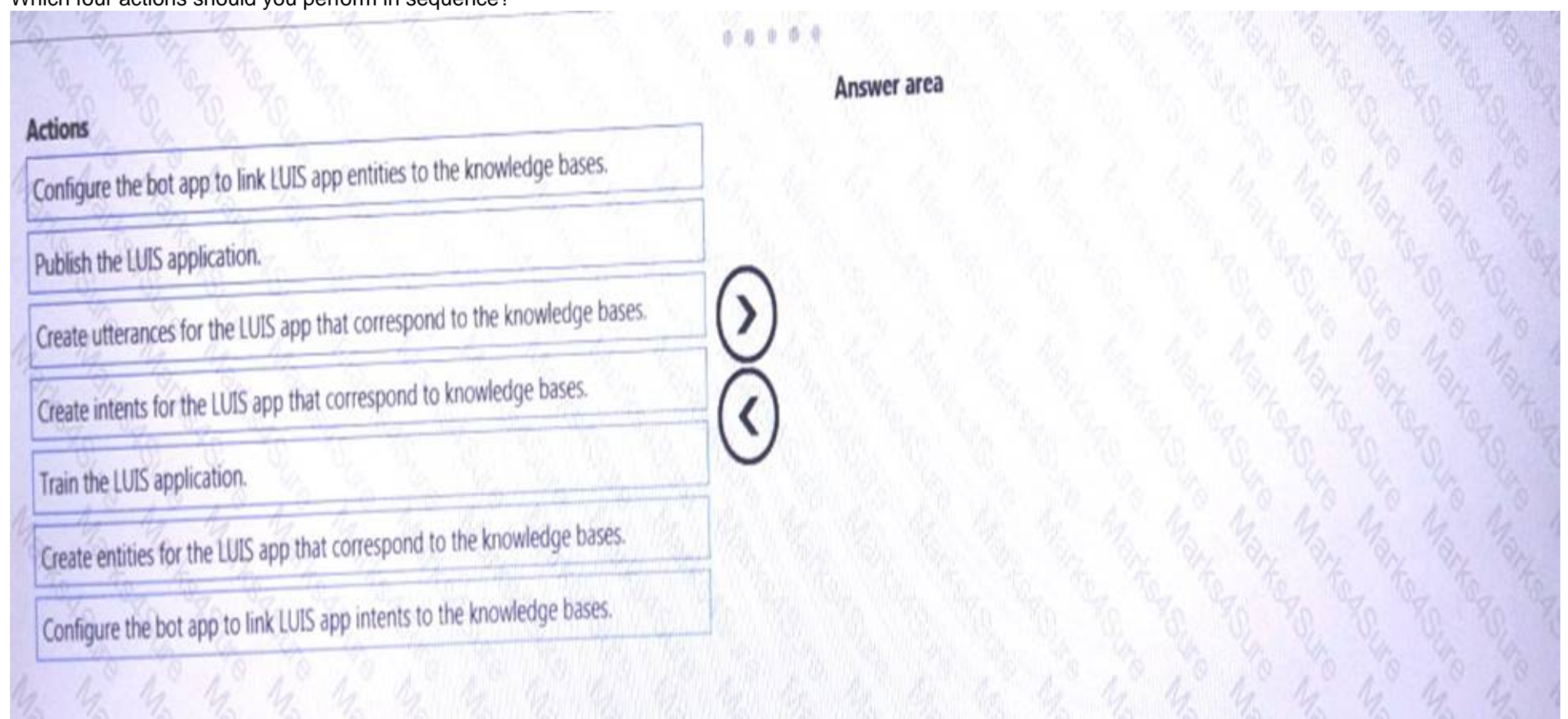
#### NEW QUESTION 22

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:**



Actions

Configure the bot app to link LUIS app entities to the knowledge bases.

Publish the LUIS application.

Create utterances for the LUIS app that correspond to the knowledge bases.

Create intents for the LUIS app that correspond to knowledge bases.

Train the LUIS application.

Create entities for the LUIS app that correspond to the knowledge bases.

Configure the bot app to link LUIS app intents to the knowledge bases.

Answer area

Train the LUIS application.

Publish the LUIS application.

Create utterances for the LUIS app that correspond to the knowledge bases.

Configure the bot app to link LUIS app intents to the knowledge bases.

**NEW QUESTION 23**

You configure the Diagnostics settings for an Azure SQL database as shown in the following exhibit.

Save

Discard

Delete

Name

Diags

Archive to a storage account

Stream to an event hub

Send to Log Analytics

Log Analytics

OMSWorkspace1

LOG

SQL Insights

Automatic Tuning

Query Store Runtime Statistics

Query Store Wait Statistics

Errors

Database Wait Statistics

Timeouts

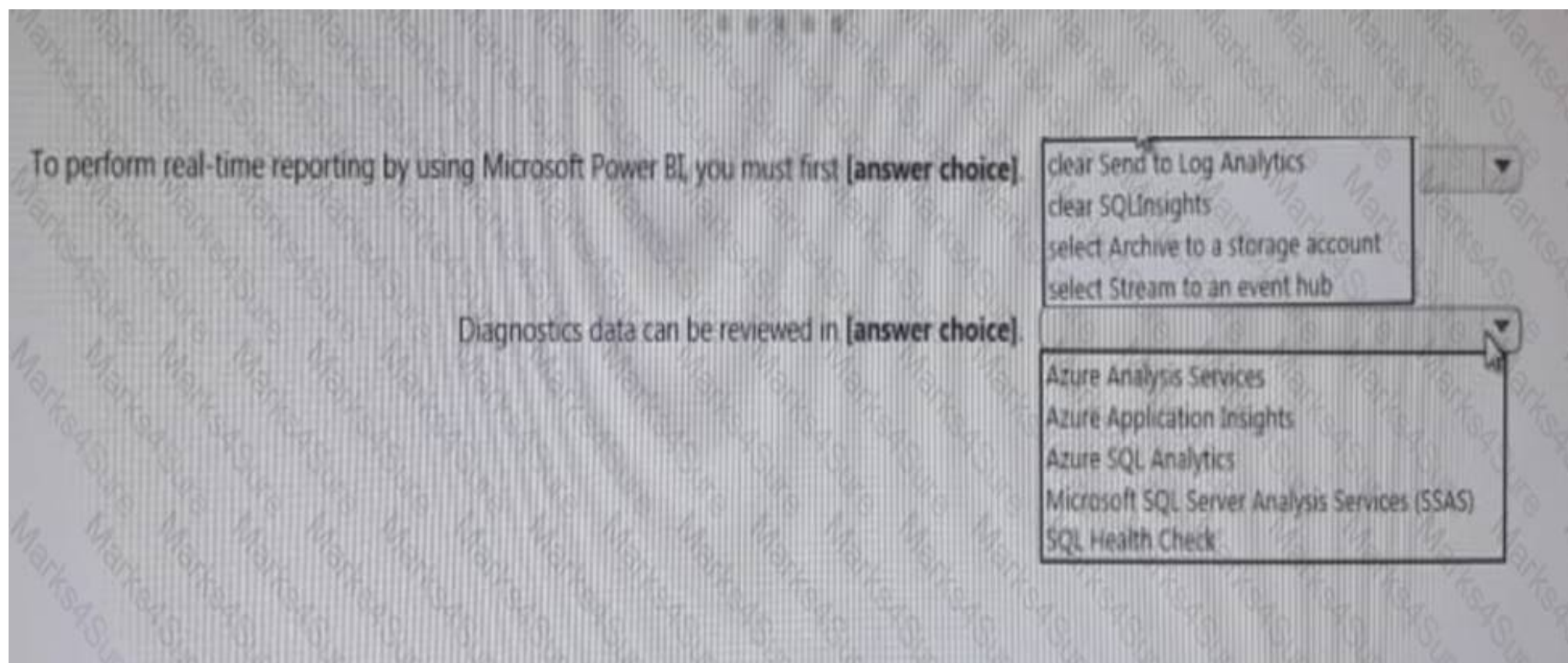
Blocks

Deadlocks

Audit

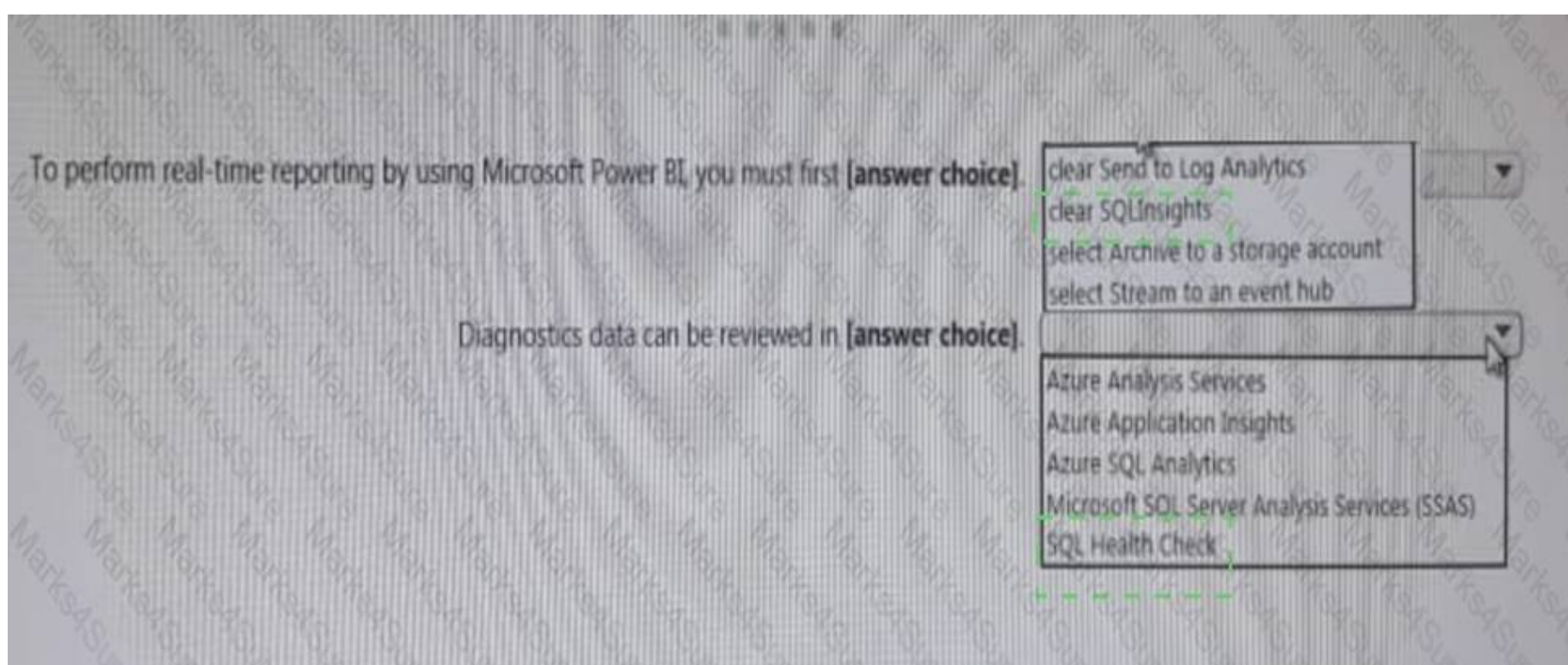
SQL Security Audit Events

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



**Answer:**

**Explanation:**



#### NEW QUESTION 27

You store web access logs data in Azure Blob storage. You plan to generate monthly reports from the access logs. You need to recommend an automated process to upload the data to Azure SQL Database every month. What should you include in the recommendation?

- A. Microsoft SQL Server Migration Assistant (SSMA)
- B. Azure Data Factory
- C. Data Migration Assistant
- D. AzCopy

**Answer: C**

#### NEW QUESTION 28

You have an Azure Contoso 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 containers in Account1 will never see out writes. The solution must minimize costs. What should you recommend?

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

**Answer: A**

#### NEW QUESTION 31

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:

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

Activity  
Orchestrator  
Activity  
Client

NEW QUESTION 35

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 40

You have an Azure Logic App named App1. App1 provides a response when an HTTP POST request or an HTTP GET request is received. During peak periods, App1 is expected to receive up to 200,000 requests in a five minute period. You need to ensure that App1 can handle the expected load. What should you configure?

- A. Workflow settings
- B. API connections
- C. Access control (IAM)
- D. Access keys

**Answer:** D

#### NEW QUESTION 42

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

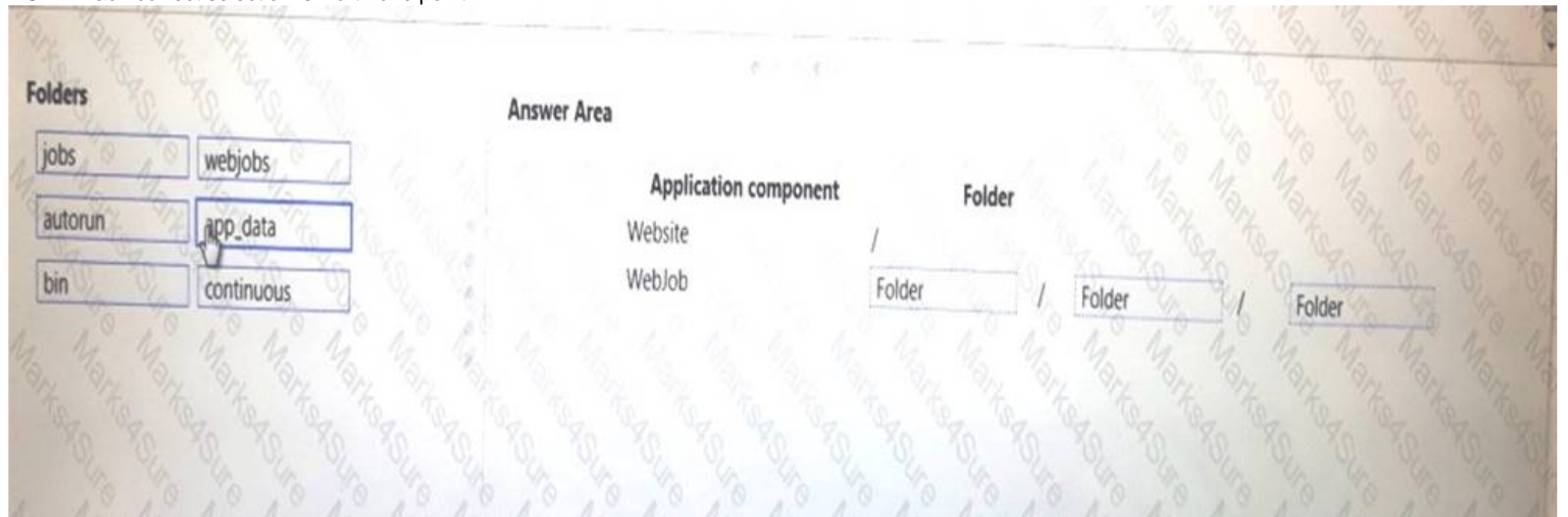
Managed disks

Unmanaged disks in an storage account that uses RA-GRS



#### NEW QUESTION 45

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.



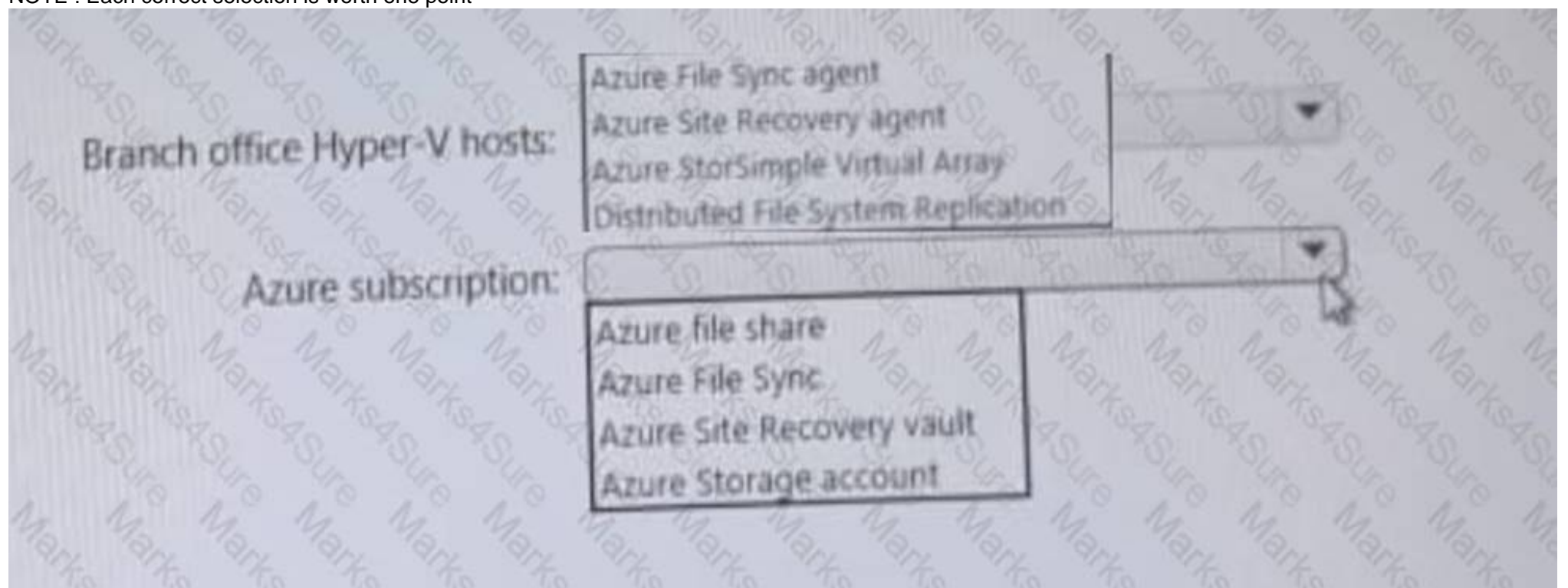
Answer:

Explanation:



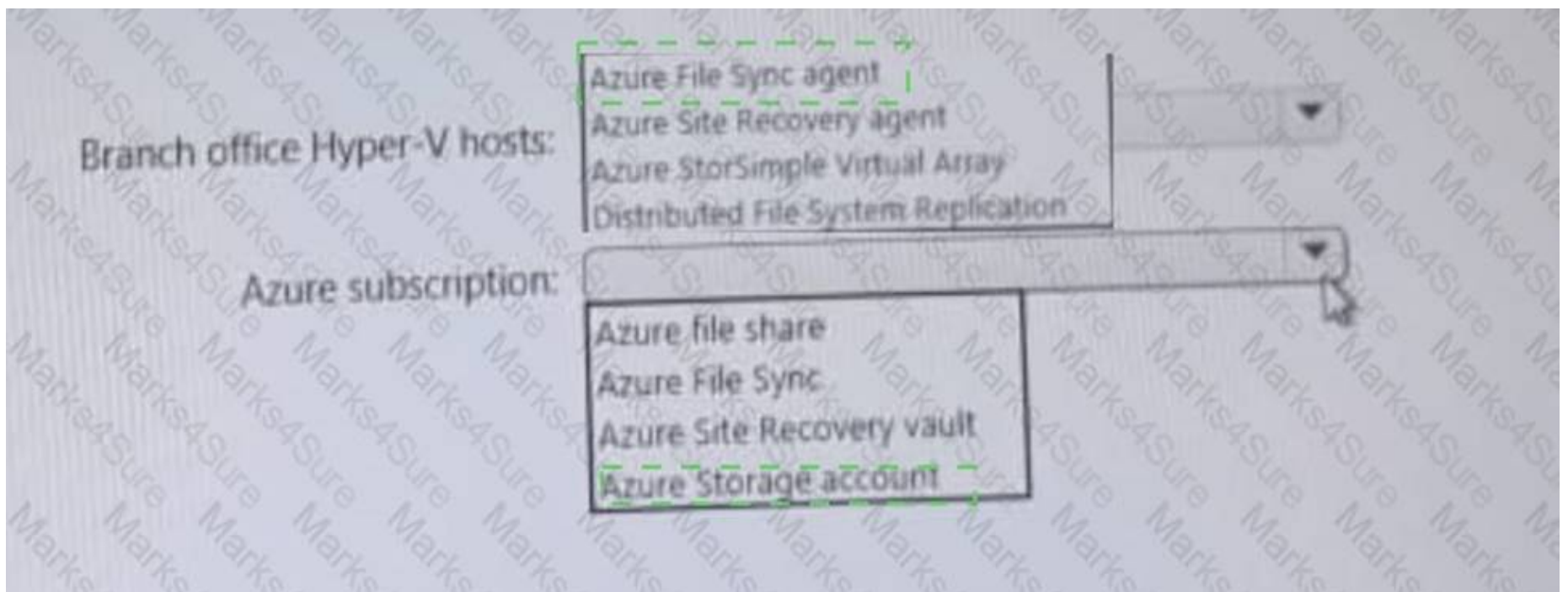
#### NEW QUESTION 50

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 using iSCSI connections. Data saved to the iSCSI storage device (from 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 55

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 59

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 - .specific in a resources in 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 61

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.



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

Answer:

Explanation:

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

```
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 {Sensor00}
--output table
```

```
az iot hub device-identity show-connection-string
--hub-name {Hub01}
device id Sensor00
--output table
```

#### NEW QUESTION 65

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 66

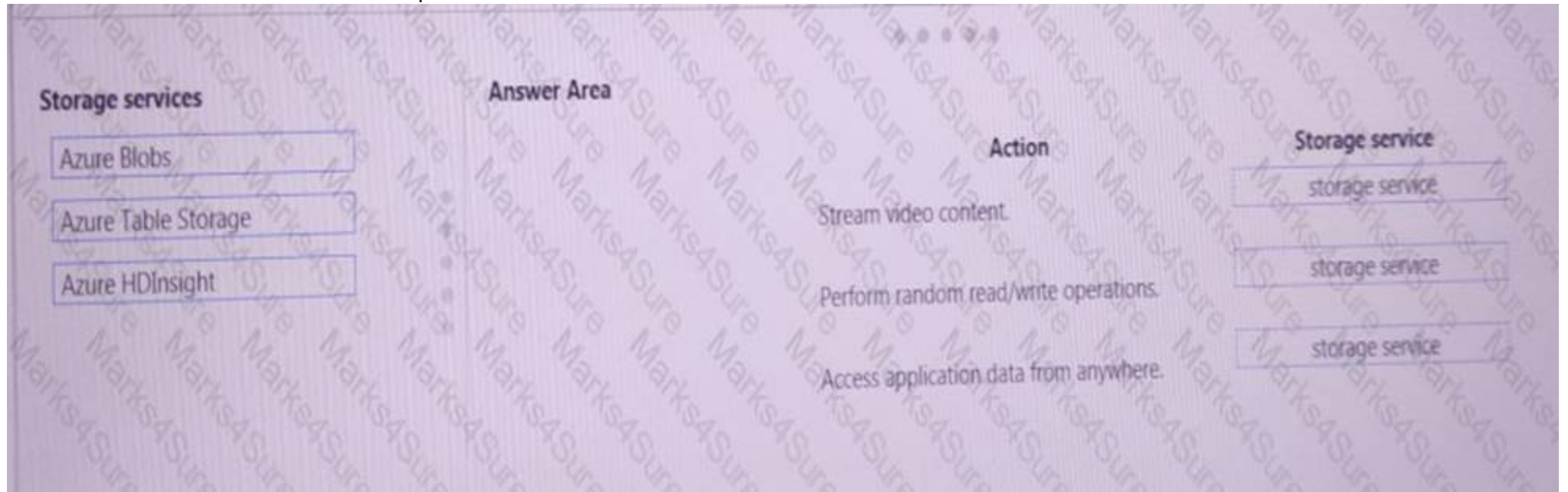
You are developing a web app that uses a RFS interface to connect to Azure Storage with HTTPS.

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.

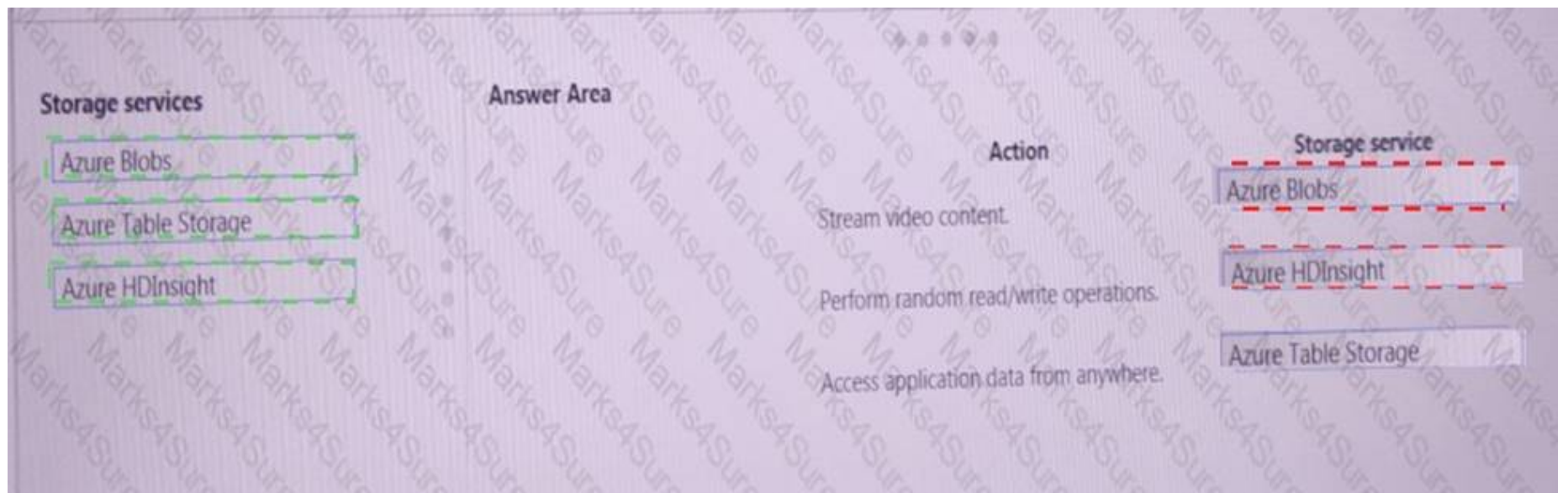
Each service may be used once, more than once, or not at all may need to drag the split bat between panes or scroll to view content.

NOTE: Each correct selection is worth one point.



**Answer:**

**Explanation:**



#### NEW QUESTION 71

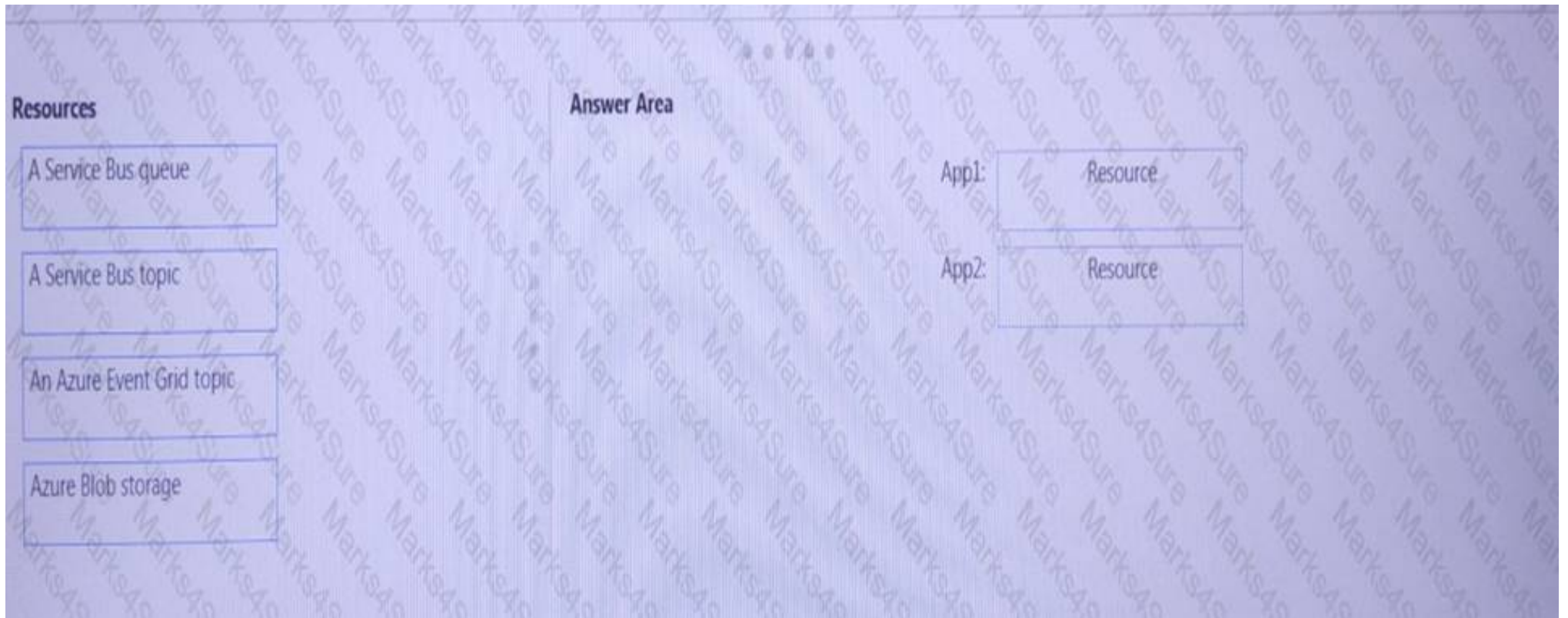
You have an Azure subscription that contains an Azure Service Bus named Bus1.

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.

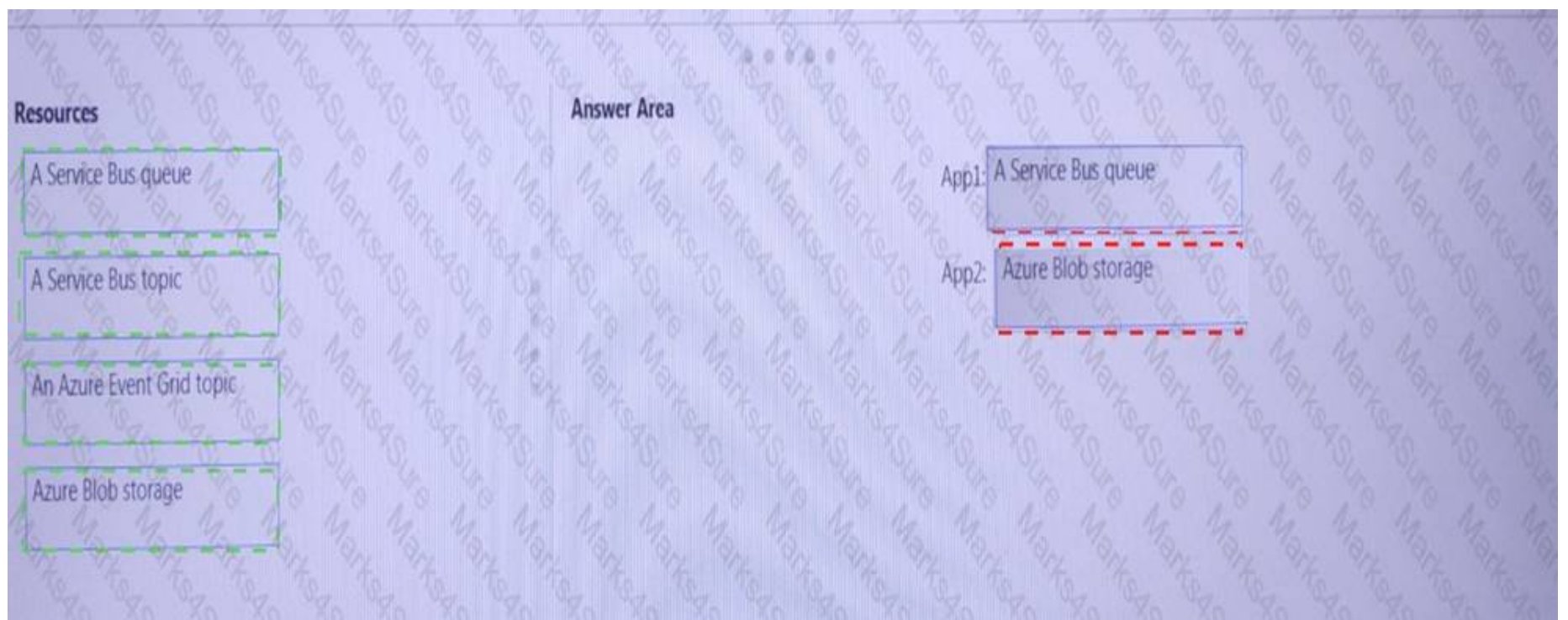
Which resource should you create for each web app? To answer, drag the appropriate resources to the correct web apps. Each resource may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.





**Answer:**

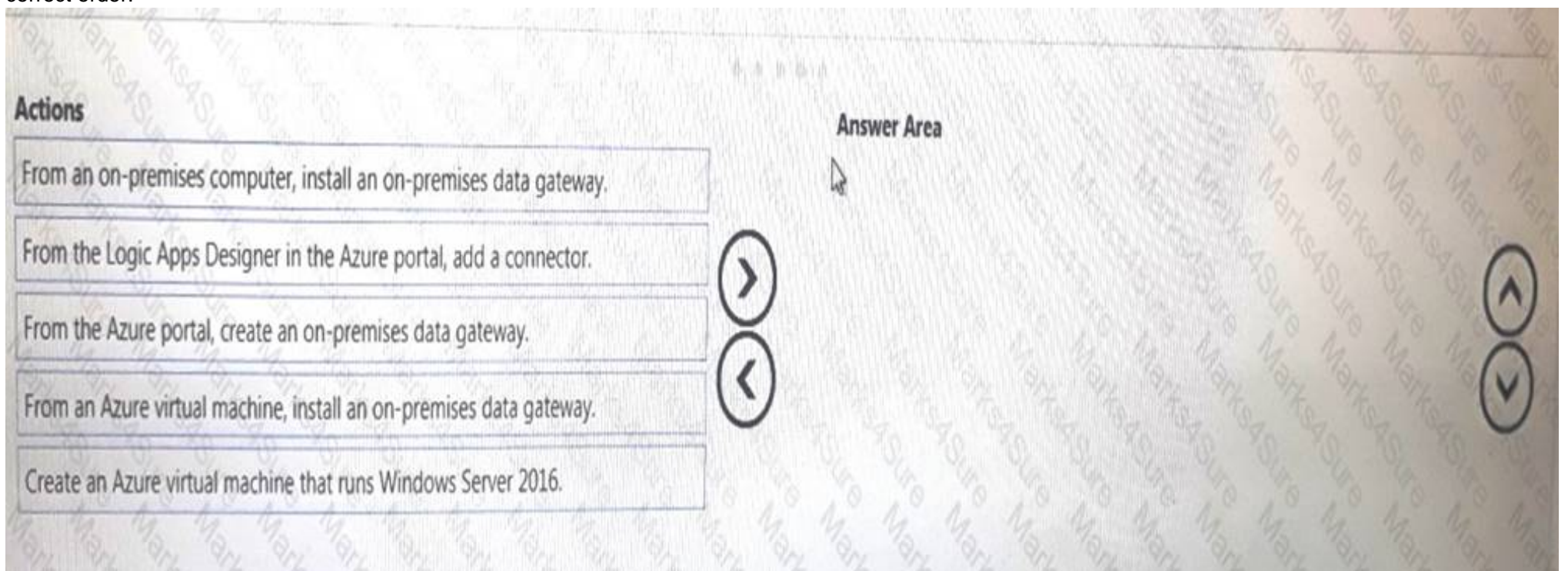
**Explanation:**



#### NEW QUESTION 75

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.

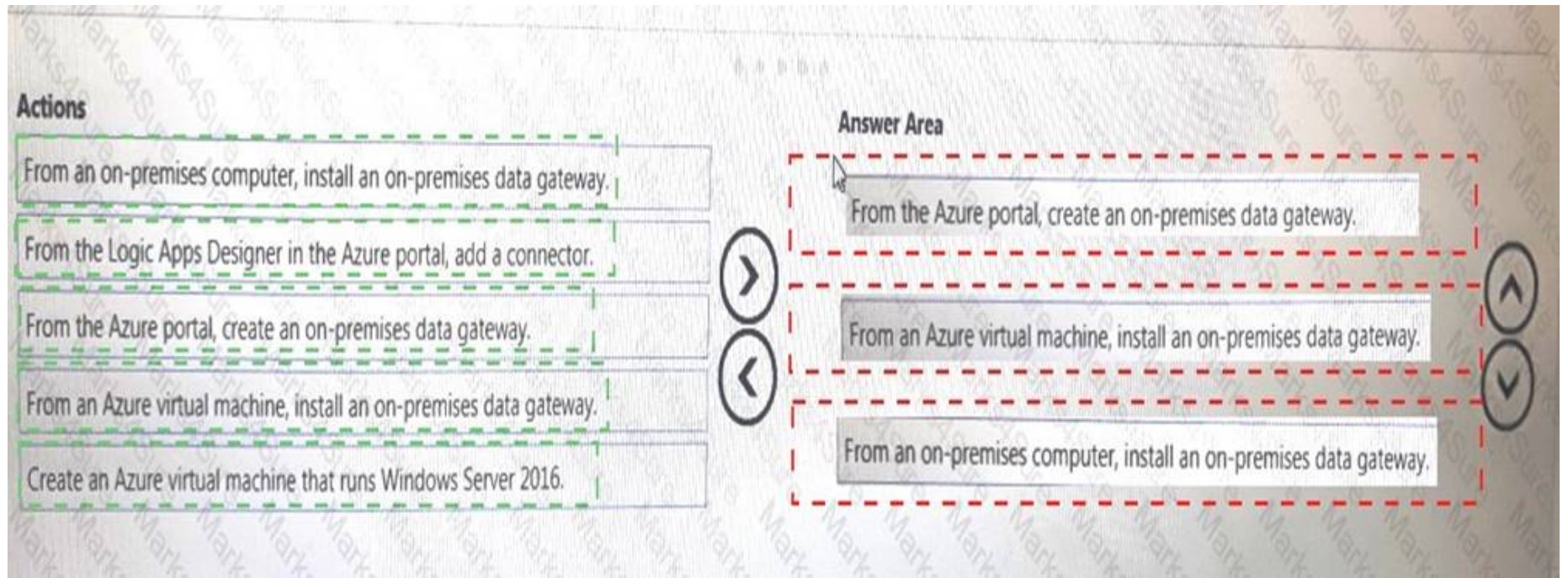
Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.



**Answer:**



**Explanation:**



#### NEW QUESTION 77

You plan to use Azure Site Recovery to protect several on premises physical server workload. Each server workload is independent of the other. The workloads are stateless.

You need to recommend a failover strategy to ensure that if the on premises data center fails, the workloads are available in Azure as quickly as possible. Which failover strategy should you include in the recommendation?

- A. Latest app-consistent
- B. Latest
- C. Latest processed
- D. Latest multi VM processed

**Answer:** A

#### NEW QUESTION 79

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 deploy an Azure Application Gateway.

Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

**Explanation:** An Azure Application Gateway can connect to backend VMs in separate availability zones but not separate regions. Availability Zones are unique physical locations within an Azure region.

#### NEW QUESTION 82

You plan to deploy the backup shown in the following exhibit.



Policy1

Associated Items Delete Save Discard

Backup frequency

Daily 6:00 PM (UTC) Coordinated Universal Time

Retention range

Retention of daily backup point

At 6:00 PM For 90 Day(s)

Retention of weekly backup point

On Sunday At 6:00 PM For 26 Week(s)

Retention of monthly backup point

Week Based Day Based

On First Day Sunday At 6:00 PM For 36 Month(s)

Retention of yearly backup point

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.

Virtual machines that are backed up by using the policy can be recovered for up to a maximum of [answer choice].

The minimum recovery point objective (RPO) for virtual machines that are backed up by using the policy is [answer choice].

90 days  
26 weeks  
36 months  
45 months

1 hour  
1 day  
1 week  
1 month  
1 year

Answer:

Explanation:

Virtual machines that are backed up by using the policy can be recovered for up to a maximum of [answer choice].

The minimum recovery point objective (RPO) for virtual machines that are backed up by using the policy is [answer choice].

90 days  
26 weeks  
36 months  
45 months

1 hour  
1 day  
1 week  
1 month  
1 year

#### NEW QUESTION 87

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 91

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 93

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 96

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 99

You are planning to deploy an application by using the Azure Kubermets 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. ConfiguReMap

**Answer:** C

#### NEW QUESTION 101

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 106

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 107

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 108

You have an Azure Active Directory (Azure AD) tenant. All user accounts are synchrhonized from an onpermises Directory and are configured for federated authentication. Active Directopry Federation Services (AD FS) servers are published for external connnection by using a farm Application proxy servers.

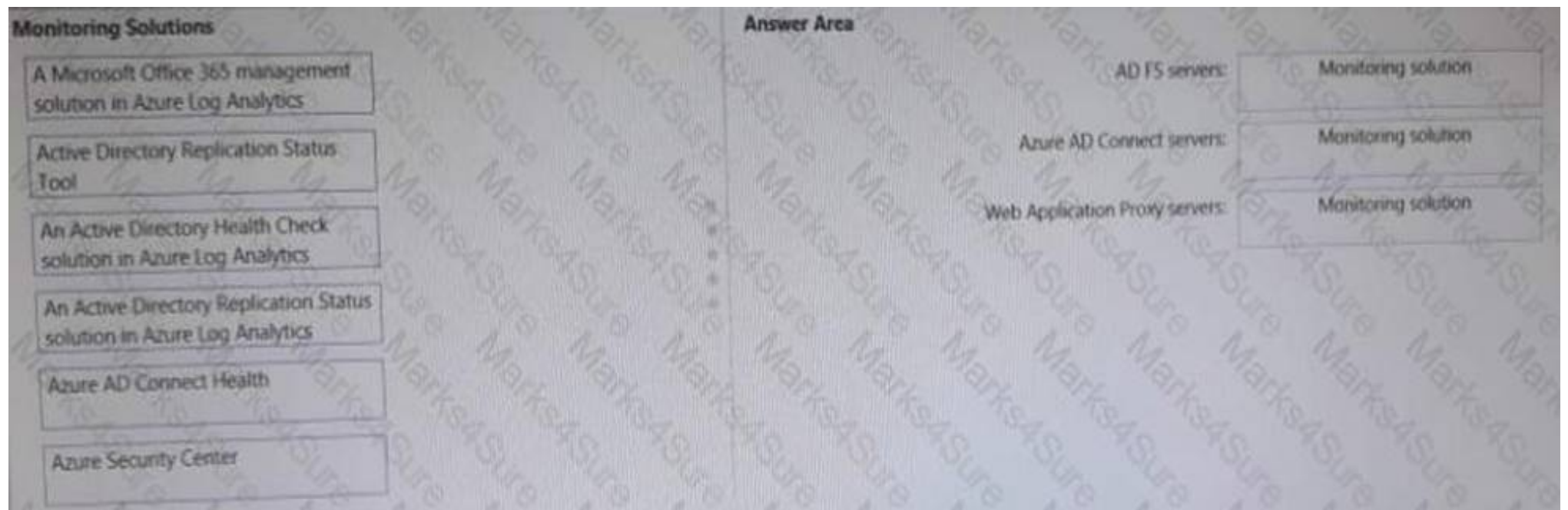
You need to recommend a solution to monitor the servers that integrate with Azure AD. The solution must meet the following requirements:

Identify any AD FS issue and their potential resolutions.

Identify any directory synchronization configuration issues and their potential resolutions.

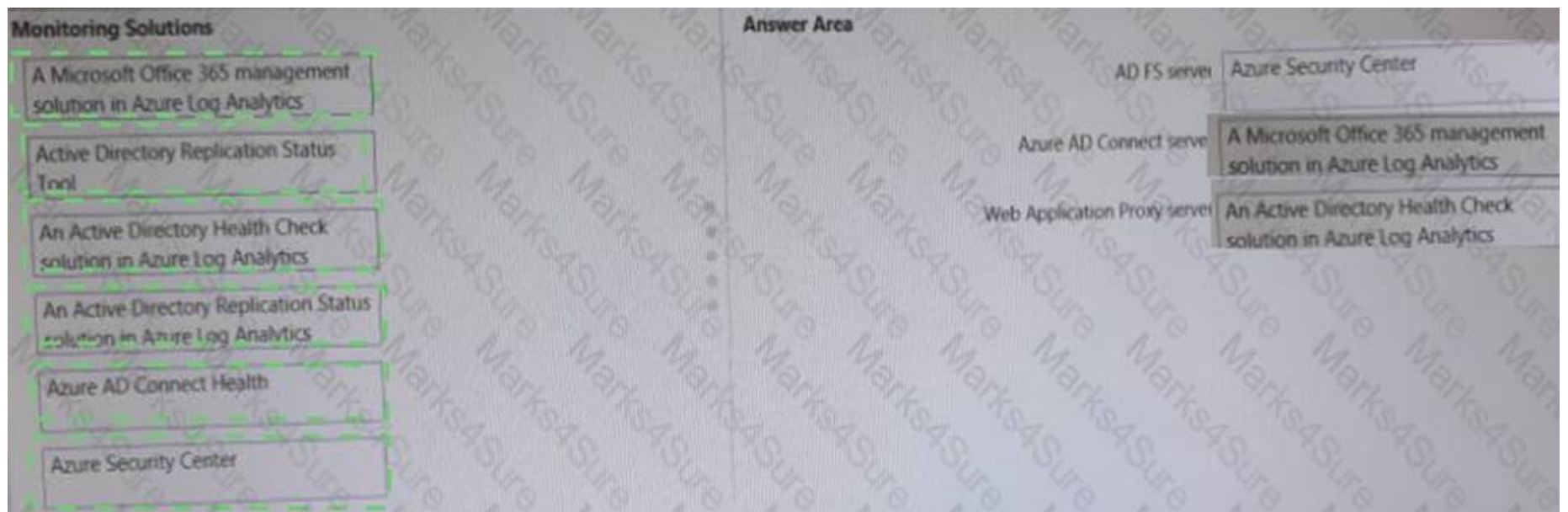
Notify administrations when there are any issue affecting directory synchronization or AD FS operations. Which monitoring solution should you recommend for each server type? To answer, drag the appropriate monitoring solution to the correct types. Each monitoring solution may be used once, than once, or not at all. You may need to drag the split bar between panes scroll to view content.

NOTE: Each correct selection is worth one point.



**Answer:**

**Explanation:**



#### NEW QUESTION 112

You have Azure virtual machines that run a custom line-business web application.  
 You plan to use a third-party solution to parse event logs from the virtual machine stored in an Azure storage account.  
 You need to recommend a so to save the event logs from the virtual. What should you include in recommendation?

- A. Azure VM Diagnostics Extension
- B. Azure Monitor
- C. Azure log Analytics
- D. event log subscriptions

**Answer:** D

#### NEW QUESTION 114

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 requirements:  
 . Provide access to the full .Net framework.  
 . Provide redundancy if an Azure region fate  
 . Grant administrators access to the operating system to install custom application dependencies.  
 Solution: You deploy a virtual machine scale set that uses auto scaling. Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

#### NEW QUESTION 119

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.

Storage Types

A geo-redundant storage (GRS) account

A locally-redundant storage (LRS) account

A premium managed disk

A standard managed disk

Answer Area

Operating system:

Storage type

Databases and logs:

Storage type

Backups:

Storage type

Answer:

Explanation:

Storage Types

A geo-redundant storage (GRS) account

A locally-redundant storage (LRS) account

A premium managed disk

A standard managed disk

Answer Area

Operating system:

A premium managed disk

Databases and logs:

A locally-redundant storage (LRS) account

Backups:

A standard managed disk

NEW QUESTION 121

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution 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 125

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.

Scale rule

Metric source

Resource type

Resource

Queues

Criteria

Metric name

Time grain statistic

Operator

Threshold

Action

Operation

Cool down (minutes)

Update Delete

Answer:

Explanation:

Scale rule

Metric source

Resource type

Resource

Queues

Criteria

Metric name

Time grain statistic

Operator

Threshold

Action

Operation

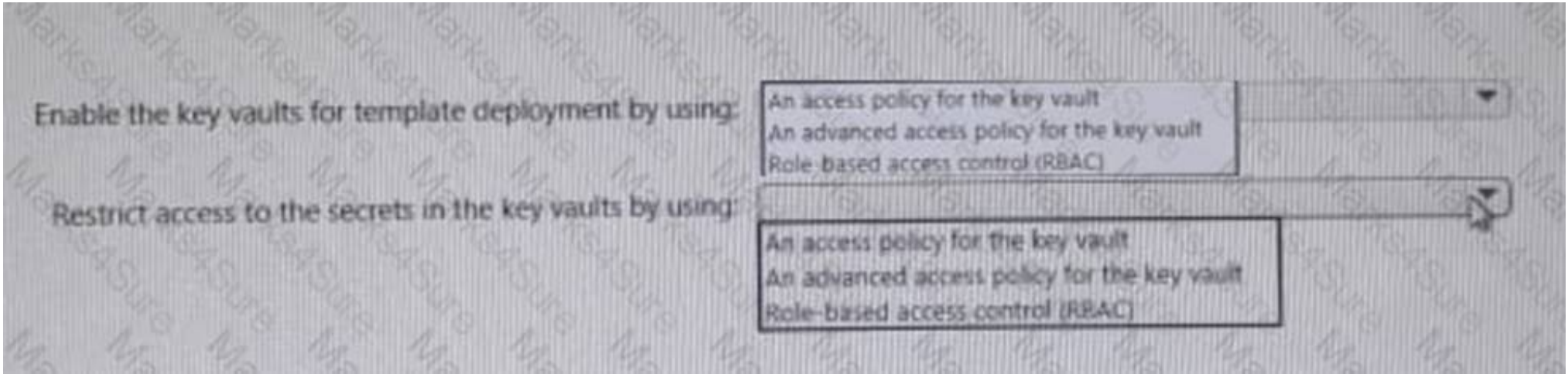
Cool down (minutes)

Update Delete

NEW QUESTION 127

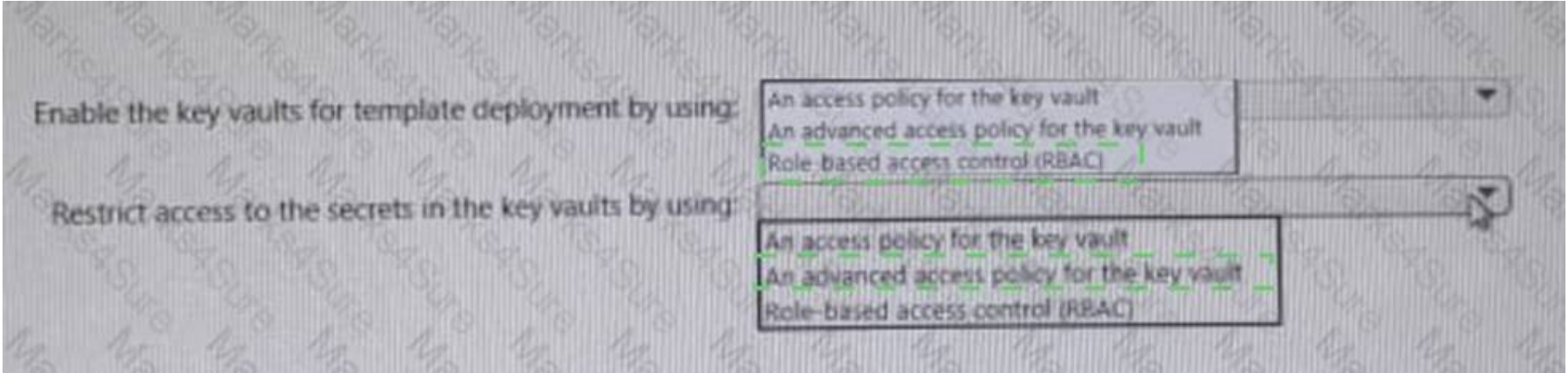
You deploy Azure service by using Azure Resources Manager templates. The template reference secrets are stored in Azure key Vault. You need to recommend a solution for accessing the secrets during deployments. The solution must prevent the users who are performing the deployments from accessing the secrets 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 129

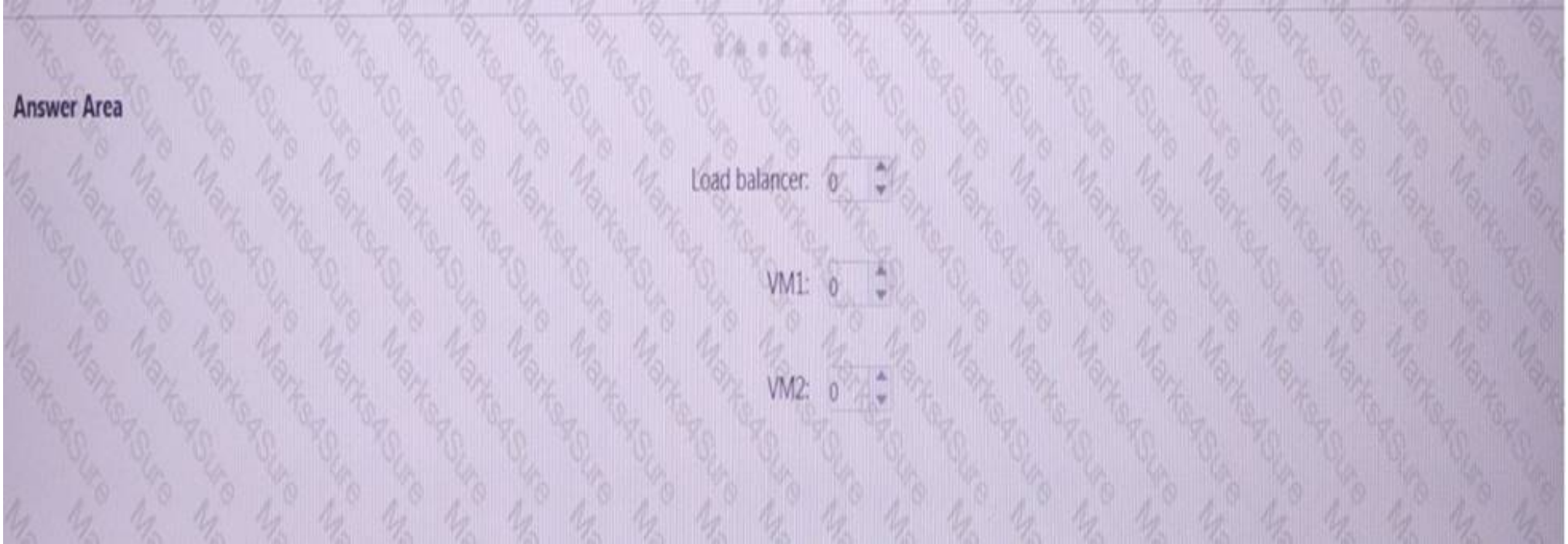
You are designing an Azure solution for a company that wants to move a .NET Core web application an on-premises data center to Azure. The web application relies on a Microsoft SQL Server 2016 database on Windows Server 2016. The database server will not move to Azure. A separate networking team is responsible 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 an Isolated App Service plan on VNET1. Does this meet the goal?

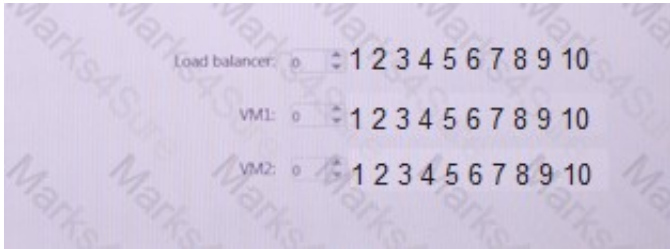
- A. Yes
- B. No

Answer: B

NEW QUESTION 130

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 133

A company is developing a software as a service (SaaS) solution in Azure for other businesses to manage customers. The solution includes the following Azure SQL Database instances. Customer data exists in all databases.

Database	Logical server	Comments
CRM	1	Support customer relationship management functionality.
ERP	1	Support enterprise resource planning efforts, including managing production processes and warehouses.
Marketing	2	Support marketing efforts.

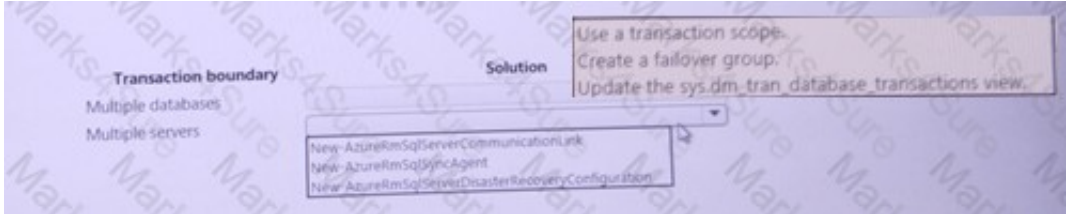
Customers may request that the company remove data that relates to the customer. If a customer makes a deletion request, all details from the customer must be removed from the solution.

All deletions for a customer must occur in one distributed transaction that includes the CRM, ERP, and Marketing databases.

You need to activate support for transactions over multiple databases on the same logical server and activate support for transactions over multiple logical servers.

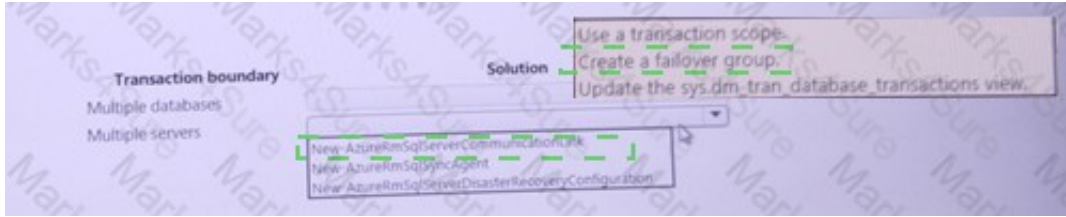
Which action and Azure PowerShell command should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



Answer:

Explanation:



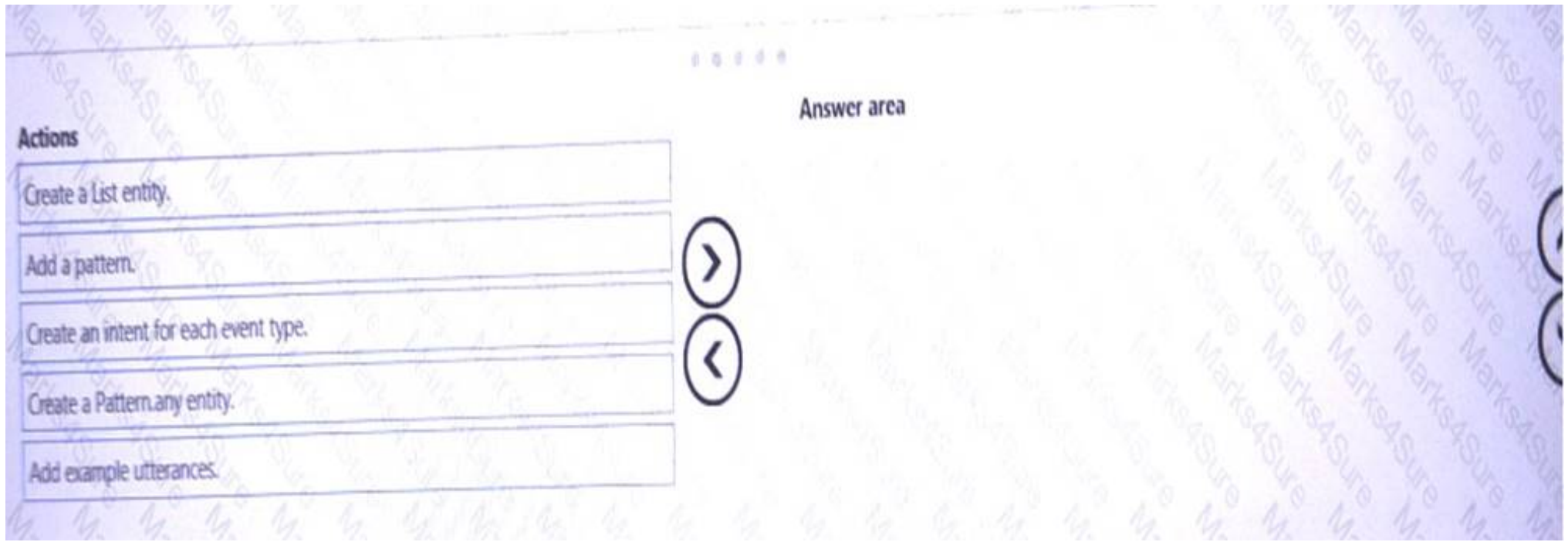
NEW QUESTION 134

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.

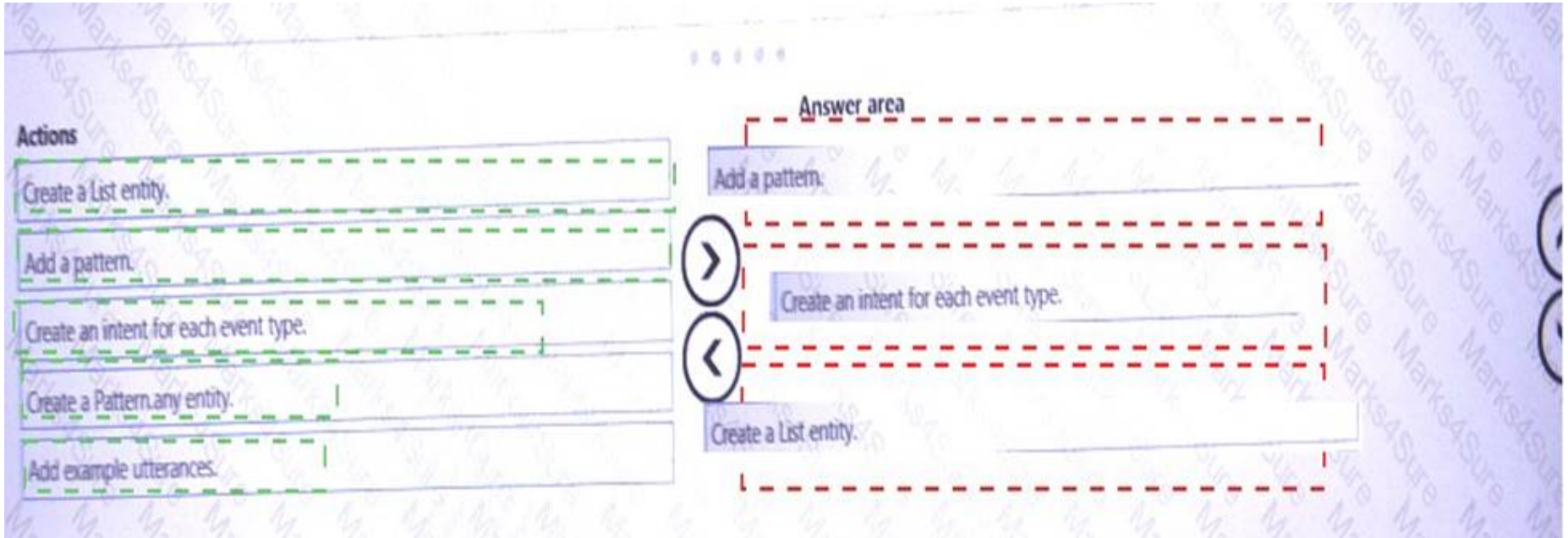
Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.





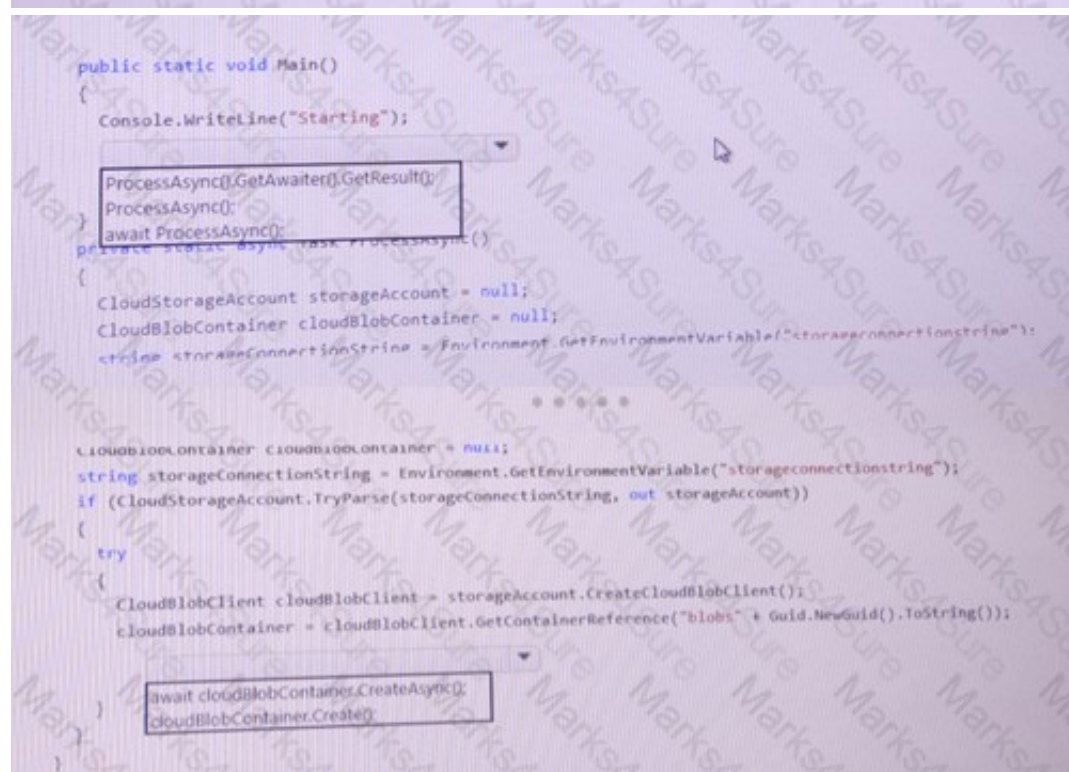
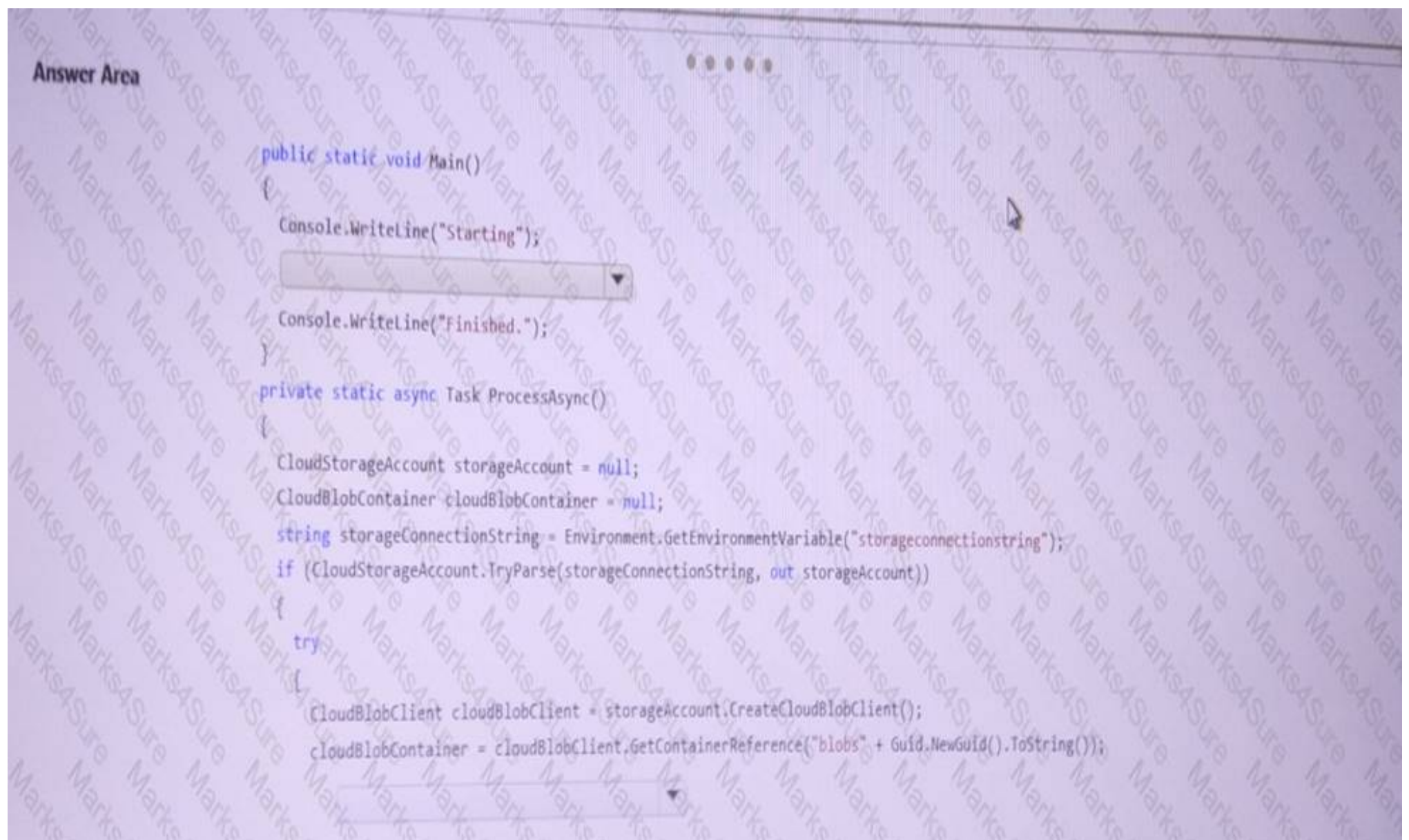
**Answer:**

**Explanation:**



**NEW QUESTION 135**

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");

        ****

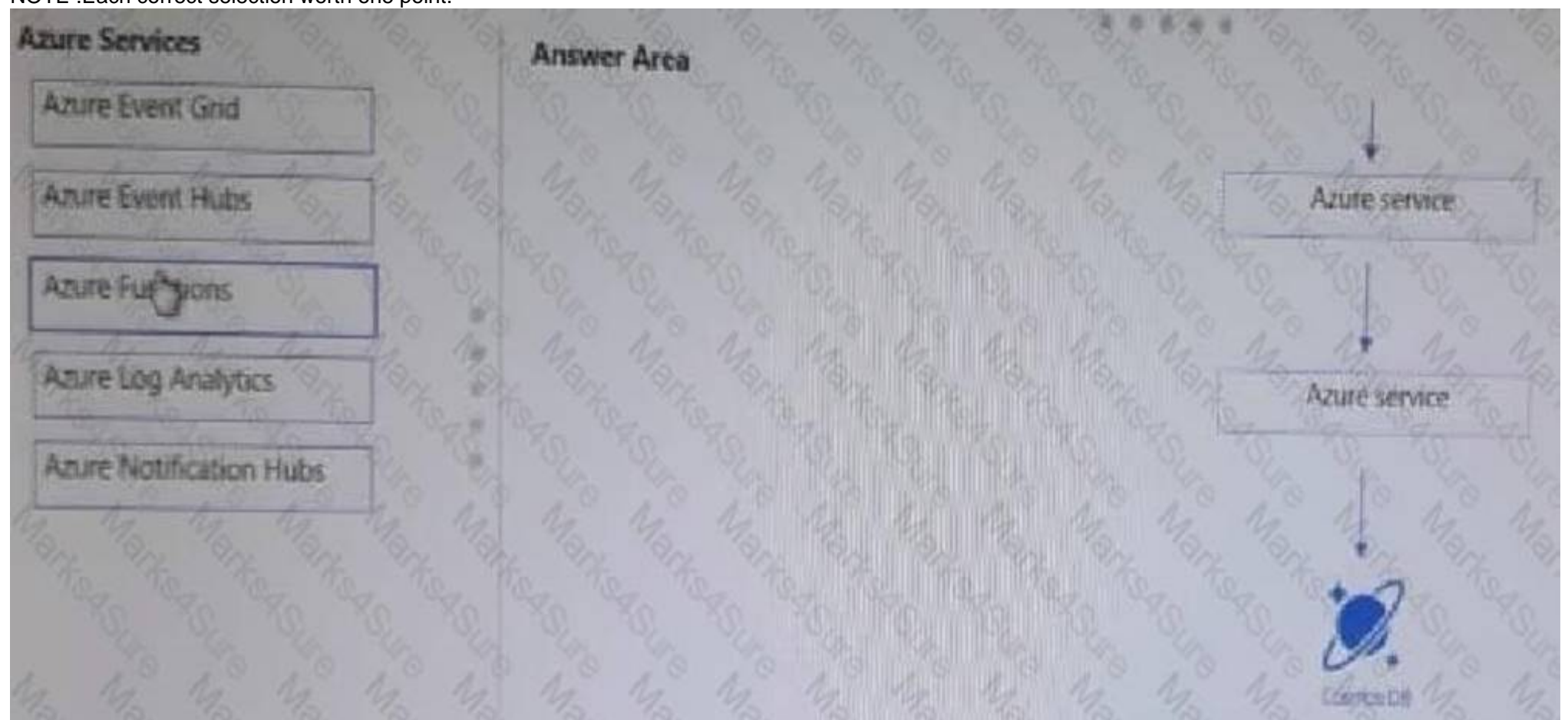
        CloudBlobContainer cloudBlobContainer = null;
        string storageConnectionString = Environment.GetEnvironmentVariable("storageconnectionstring");
        if (CloudStorageAccount.TryParse(storageConnectionString, out storageAccount))
        {
            try
            {
                CloudBlobClient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

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

```

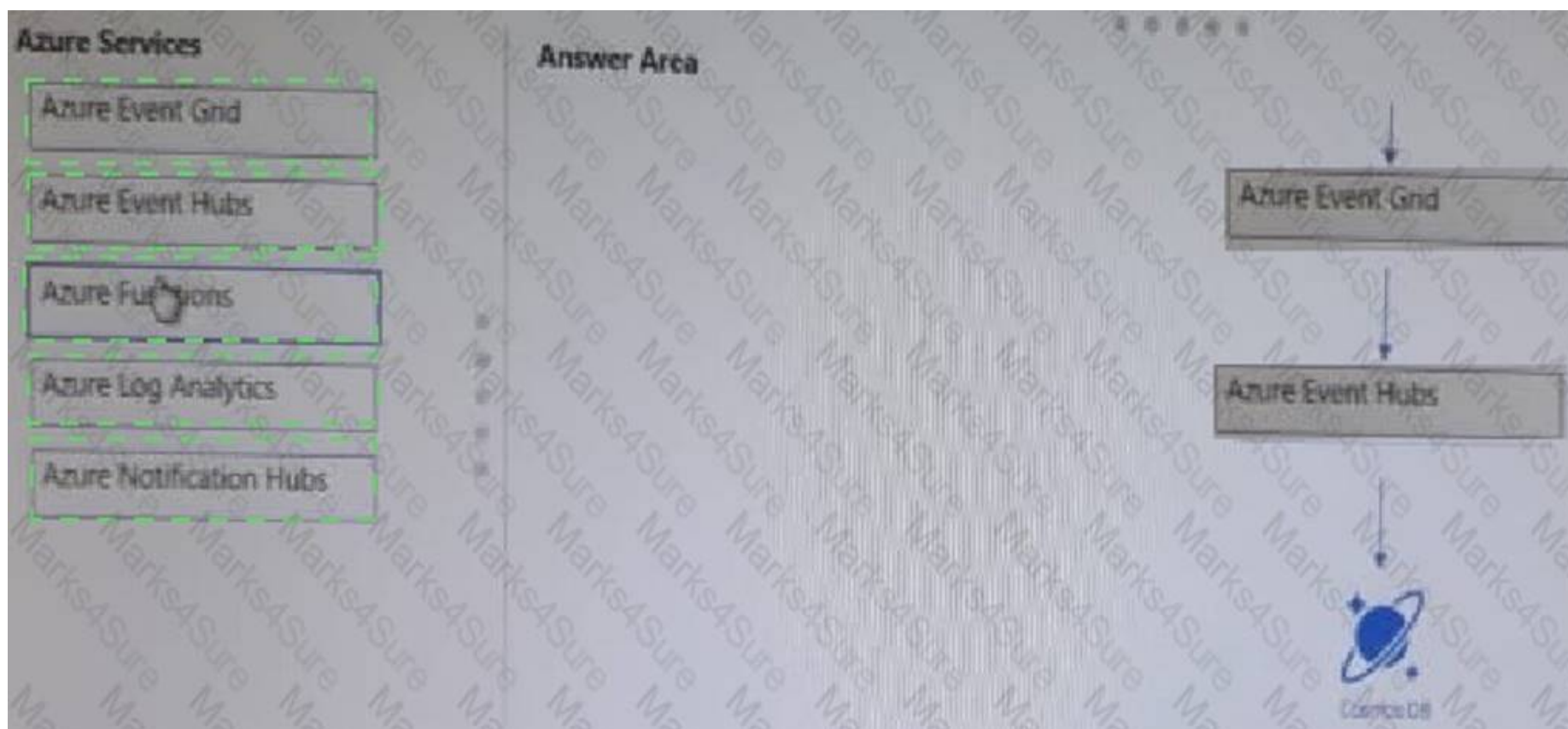
### NEW QUESTION 139

You need to design an architecture to capture the creation of users and the assignment of roles. The captured data must be stored in Azure Cosmos DB. Which Azure services should you include in the design? To answer, drag the appropriate services to the correct targets. Each service may be used once, more than once, or not at all. You need to drag the split bar between panes or scroll to view content.  
 NOTE .Each correct selection worth one point.



Answer:

Explanation:



#### NEW QUESTION 140

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 virtual machine scale set that uses autoscaling.

Does this meet the goal?

- A. Yes
- B. No

**Answer: B**

#### NEW QUESTION 143

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 145

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 149

You are developing an app that references data which is shared across multiple Azure SQL databases.

The app must guarantee transactional consistency for changes across several different sharding key values. You will to manage the transactions

What should you implement?

- A. Distributed transactions coordinated by Microsoft Distributed Transaction Coordinator (MSDTC)
- B. Elastic database transactions with horizontal partitioning
- C. Server-coordinated transactions from a .NET application



D. Elastic database transactions with vertical partitioning

Answer: B

#### NEW QUESTION 150

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 FFmpeg and proprietary software to encode and convert the videos. The company plans to migrate the app to use 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

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

#### NEW QUESTION 154

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 158

You need to recommend a solution lo generate a monthly report of all the new Azure Resource Manager resource deployment in your subscription What should you include in the recommend3tton,

- A. Azure Activity Log
- B. Azure Monitor action groups
- C. Azure Advisor
- D. Azure Monitor metrics

Answer: B

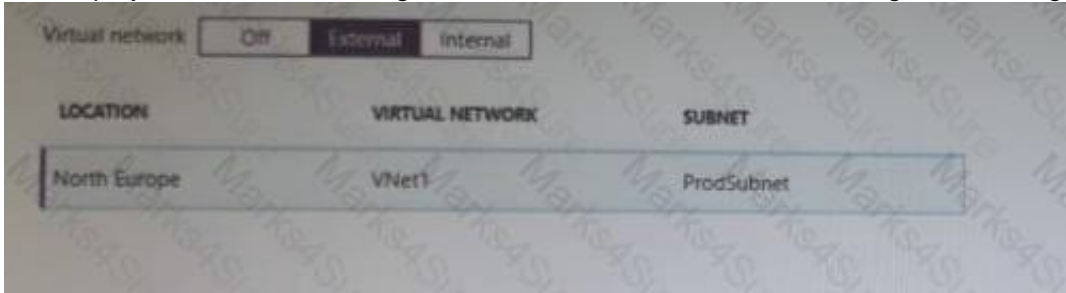
#### NEW QUESTION 160

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 is accessible from VM1 and VM2. Our partners must be able to connect to the API over the Internet. Partners will use this data in applications that they develop. You deploy an Azure API Management service. The relevant API Management configuration is shown in the API tab. 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"/>

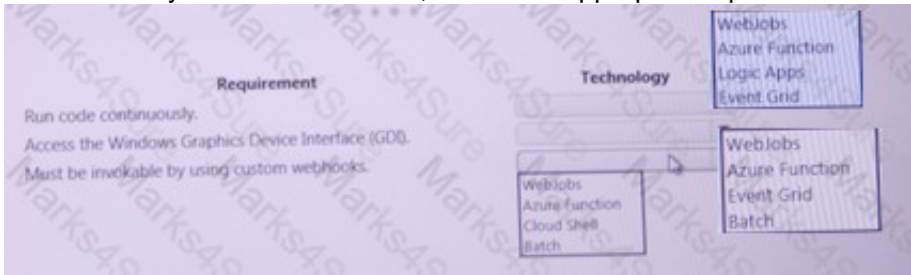
Answer:

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 164

You are designing a solution that will run tasks in Azure.  
You need to select the technologies and services for the solution.  
What should you use? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.



Answer:

Explanation:

Requirement	Technology
Run code continuously. Access the Windows Graphics Device Interface (GDI). Must be invocable by using custom webhooks.	WebJobs Azure Function Logic Apps Event Grid Batch

NEW QUESTION 166

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. Ad 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.

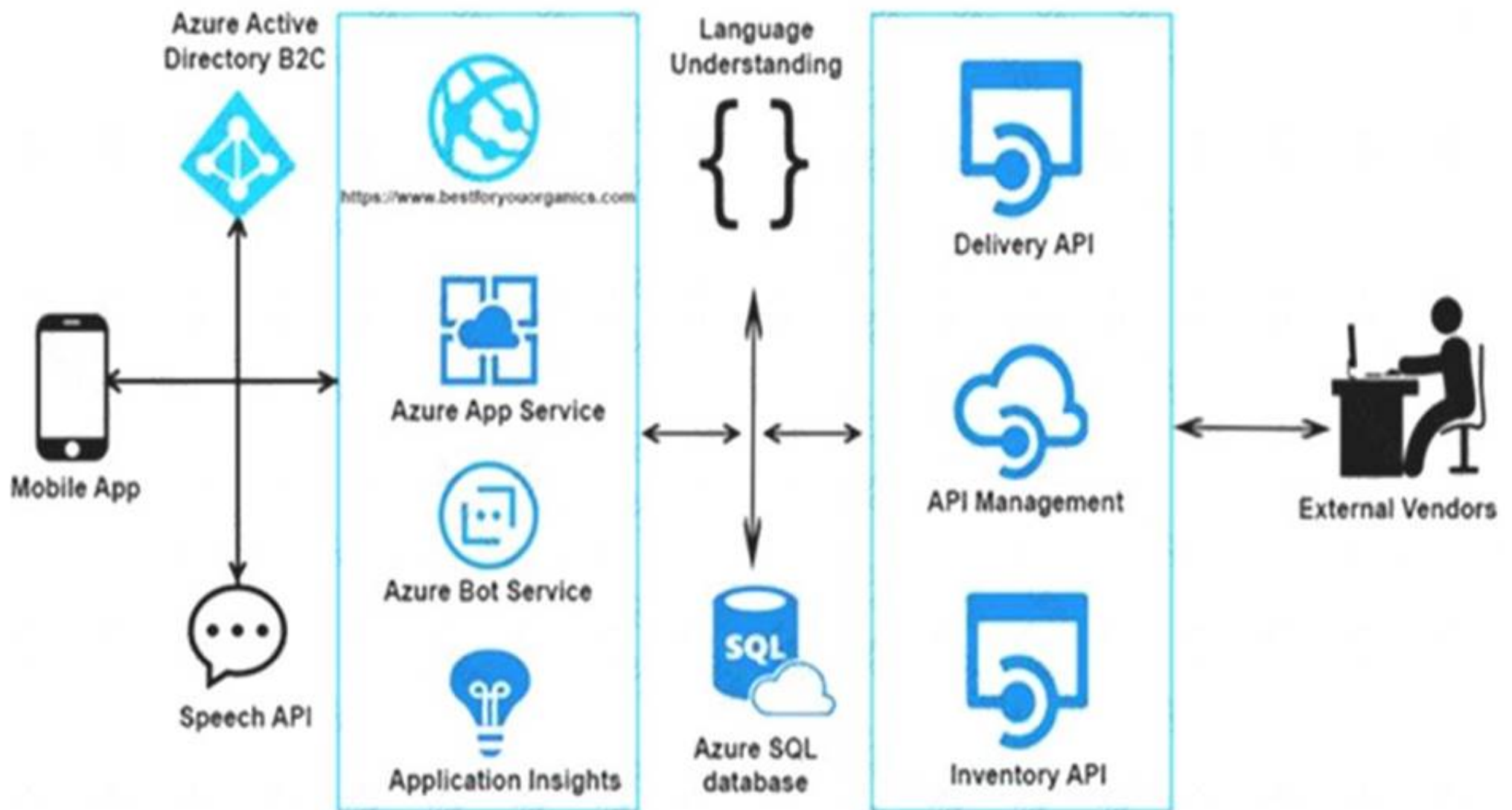
APIs must meet the following conditions:

- ▶ 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 171

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 175

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 176

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 178

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

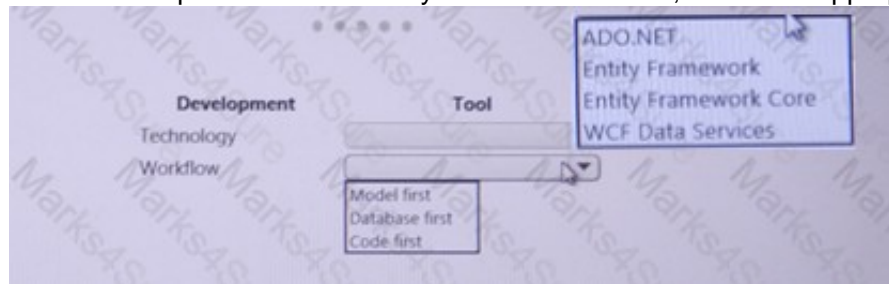
**Explanation:** References:

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

#### NEW QUESTION 179

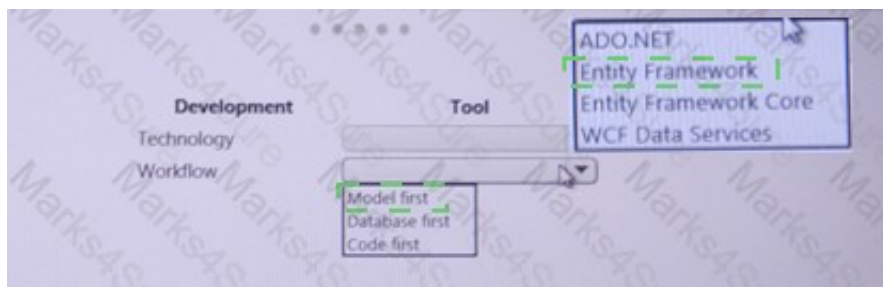
You need to update the Inventory API.

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 181

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 182

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 186

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 190

Note: This question is part of a series of questions that present the same scenario.

Each question in the series contains a unique solution. Determine whether the solution meets the stated goals. You need to meet the vendor notification requirement.

Solution: Update the Delivery API to send emails by using a Microsoft Office 365 SMTP server. Does the solution meet the goal?

- A. Yes
- B. NO

**Answer:** B

**Explanation:** References:

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

#### NEW QUESTION 195

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.fabrikam.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 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 197

You need to recommend a data storage strategy for WebApp1.  
What should you include in 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 AzureSQL database.

**Answer: D**

#### NEW QUESTION 201

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 202

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 203

You need to recommend a strategy for migrating the database content of WebApp1 to Azure. What should you include in the recommendation?

- A. Use Azure Site Recovery to replicate the SQL servers to Azure.
- B. Use SQLServer transactional replication.
- C. Copy the BACPAC file that contains the Azure SQL database file to Azure Blob storage.
- D. Copy the VHD that contains the Azure SQL database files to Azure Blob storage

**Answer: C**

#### Explanation: Topic 4, Case Study 3Overview

Contoso,Ltd is a US-base finance service company that has a main office New Yor and a office in San Francisco.

##### Payment Processing Query System

Contoso hosts a business critical payment processing system in its New York data center. The system has three tiers a front-end web app a middle -tier API and a back end data store implemented as a Microsoft SQL Server 2014 database All servers run Windows Server 2012 R2.

The front -end and middle net components are hosted by using Microsoft Internet Inform-non Services (IK) The application rode is written in C# and middle- tier API uses the Entity framework to communicate the SQL Server database. Maintenance of the database e performed by using SQL Server Ago-

The database is currently J IB and is not expected to grow beyond 3 TB.

The payment processing system has the following compliance related requirement

- Encrypt data in transit and at test. Only the front-end and middle-tier components must be able to access the encryption keys that protect the date store.
- Keep backups of the two separate physical locations that are at last 200 miles apart and can be restored for op to seven years.
- Support blocking inbound and outbound traffic based on the source IP address, the description IP address, and the port number
- Collect Windows security logs from all the middle-tier servers and retain the log for a period of seven years,
- Inspect inbound and outbound traffic from the from-end tier by using highly available network appliances.
- Only allow all access to all the tiers from the internal network of Contoso.

Tape backups ate configured by using an on-premises deployment or Microsoft System Center Data protection Manager (DPMX and then shaped ofsite for long term storage

##### Historical Transaction Query System

Contoso recently migrate a business-Critical workload to Azure. The workload contains a NET web server for querying the historical transaction data residing in azure Table Storage. The NET service is accessible from a client app that was developed in-house and on the client computer in the New Your office. The data in the storage is 50 GB and is not except to increase.

##### Information Security Requirement

The IT security team wants to ensure that identity management is performed by using Active Directory. Password hashes must be stored on premises only. Access to all business-critical systems must rely on Active Directory credentials. Any suspicious authentication attempts must trigger multi-factor authentication prompt automatically. Legitimate users must be able to authenticate successfully by using multi-factor authentication.

#### Planned Changes

Contoso plans to implement the following changes:

- \* Migrate the payment processing system to Azure.
- \* Migrate the historical transaction data to Azure Cosmos DB to address the performance issues.

#### Migration Requirements

Contoso identifies the following general migration requirements:

Infrastructure services must remain available if a region or a data center fails. Failover must occur without any administrative intervention

- Whenever possible, Azure managed services must be used to manage overhead
- Whenever possible, costs must be minimized.

Contoso identifies the following requirements for the payment processing system:

- If a data center fails, ensure that the payment processing system remains available without any administrative intervention. The middle-tier and the web front end must continue to operate without any additional configurations-
- If that the number of compute nodes of the front-end and the middle tiers of the payment processing system can increase or decrease automatically based on CPU utilization.
- Ensure that each tier of the payment processing system is subject to a Service level Agreement (SLA) of 99.99 percent availability
- Minimize the effort required to modify the middle tier API and the back-end tier of the payment processing system.
- Generate alerts when unauthorized login attempts occur on the middle-tier virtual machines.
- Ensure that the payment processing system preserves its current compliance status.
- Host the middle tier of the payment processing system on a virtual machine.

Contoso identifies the following requirements for the historical transaction query system:

- Minimize the use of on-premises infrastructure service.
- Minimize the effort required to modify the .NET web service querying Azure Cosmos DB.
- If a region fails, ensure that the historical transaction query system remains available without any administrative intervention.

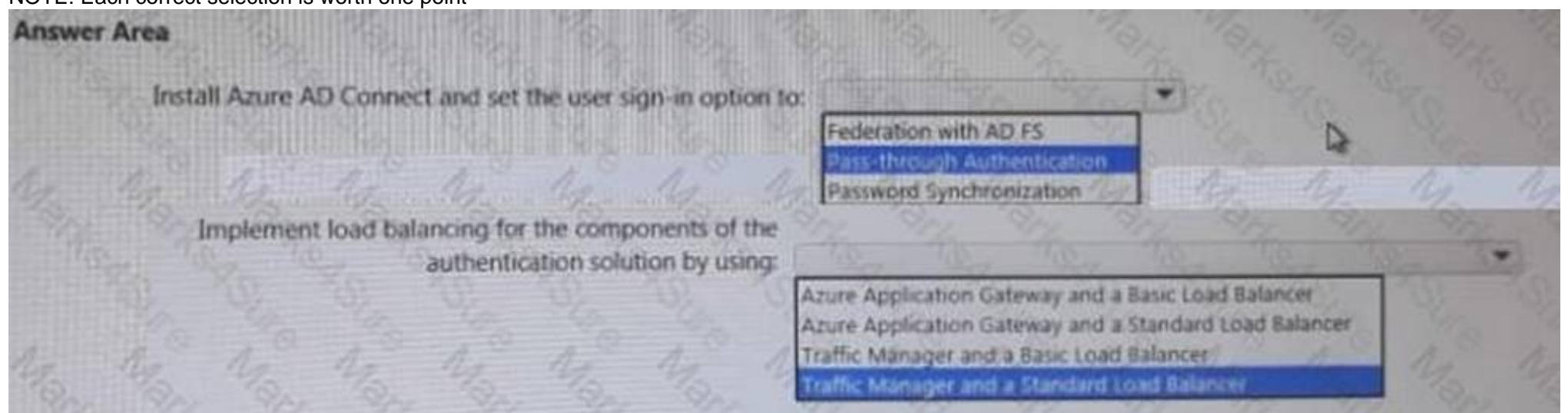
#### Current Issue

The Contoso IT team discovers poor performance of the historical transaction query as the queries frequently cause table scans.

### NEW QUESTION 207

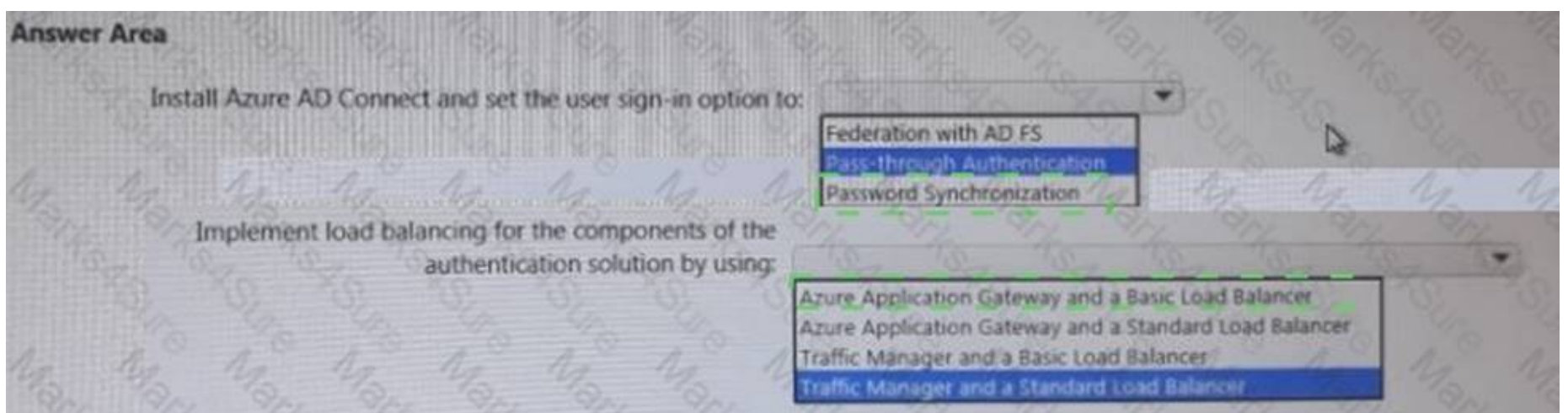
You need to recommend a solution for the user at Contoso to authenticate to the cloud-based services and the Azure AD-integrated application. What should you include in the recommendation? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point



Answer:

Explanation:



### NEW QUESTION 212

You need to recommend a solution for the network configuration of the front-end tier of the payment processing. What should you include in the recommendation?

- A. Azure Application Gateway
- B. Traffic Manager
- C. a Standard Load Balancer
- D. a Basic load Balancer



**Answer:** B

**NEW QUESTION 216**

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 220**

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 223**

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:

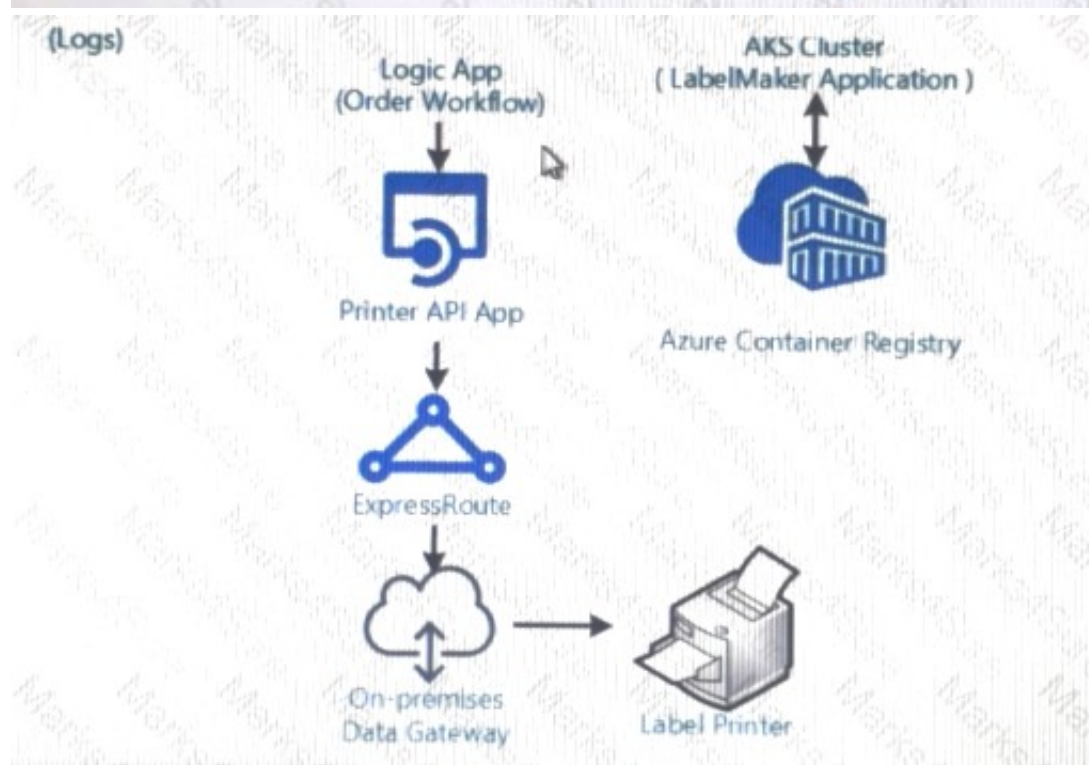
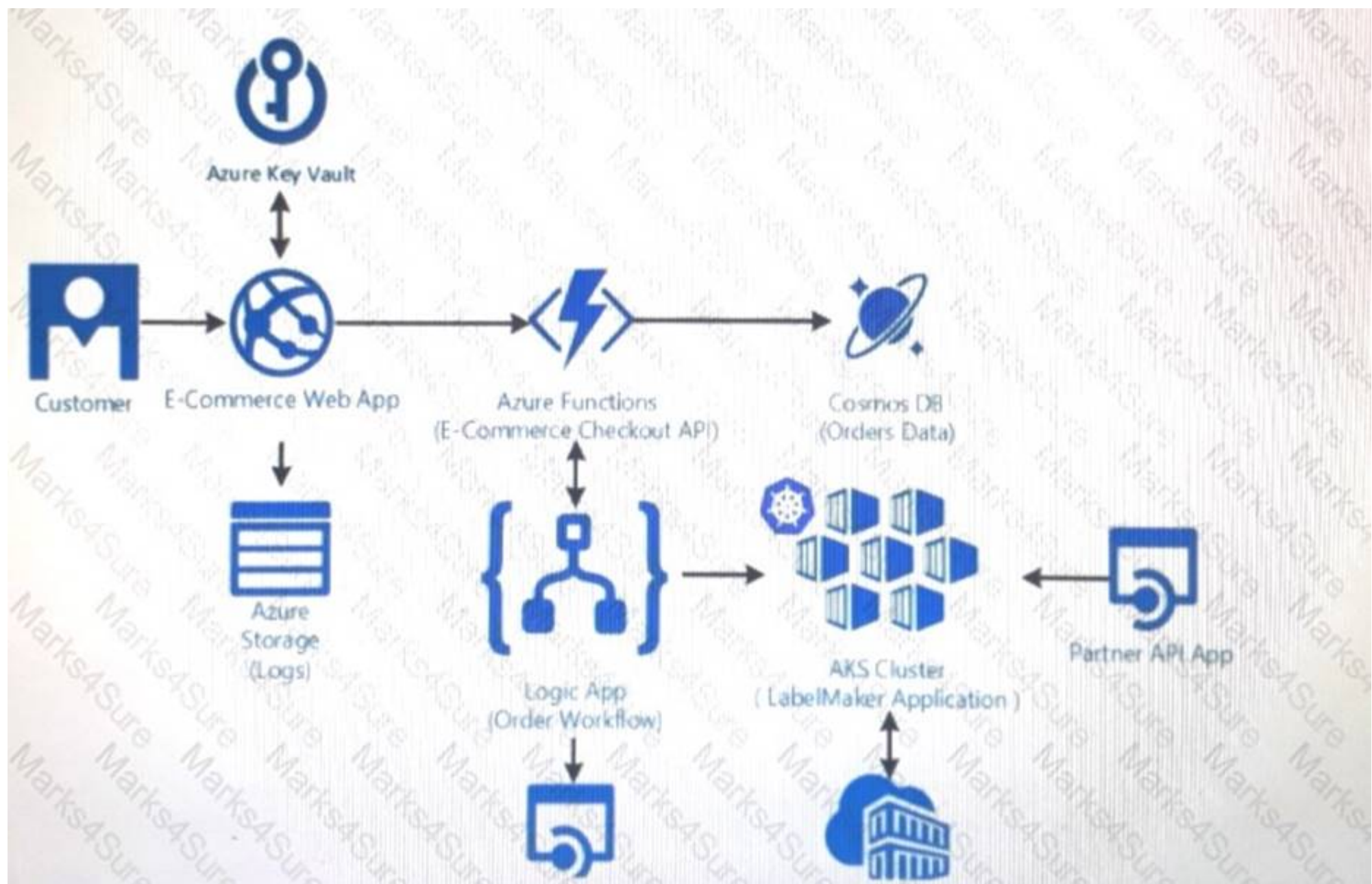
- Users of Coho Winery applications must be able to provide access to documents, resources, and applications to external partners.
- External partners must use their own credentials and authenticate with their organization's identity management solution.
- External partner logins must be audited monthly 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 fries are shown below Line numbers are induced 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 224**

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

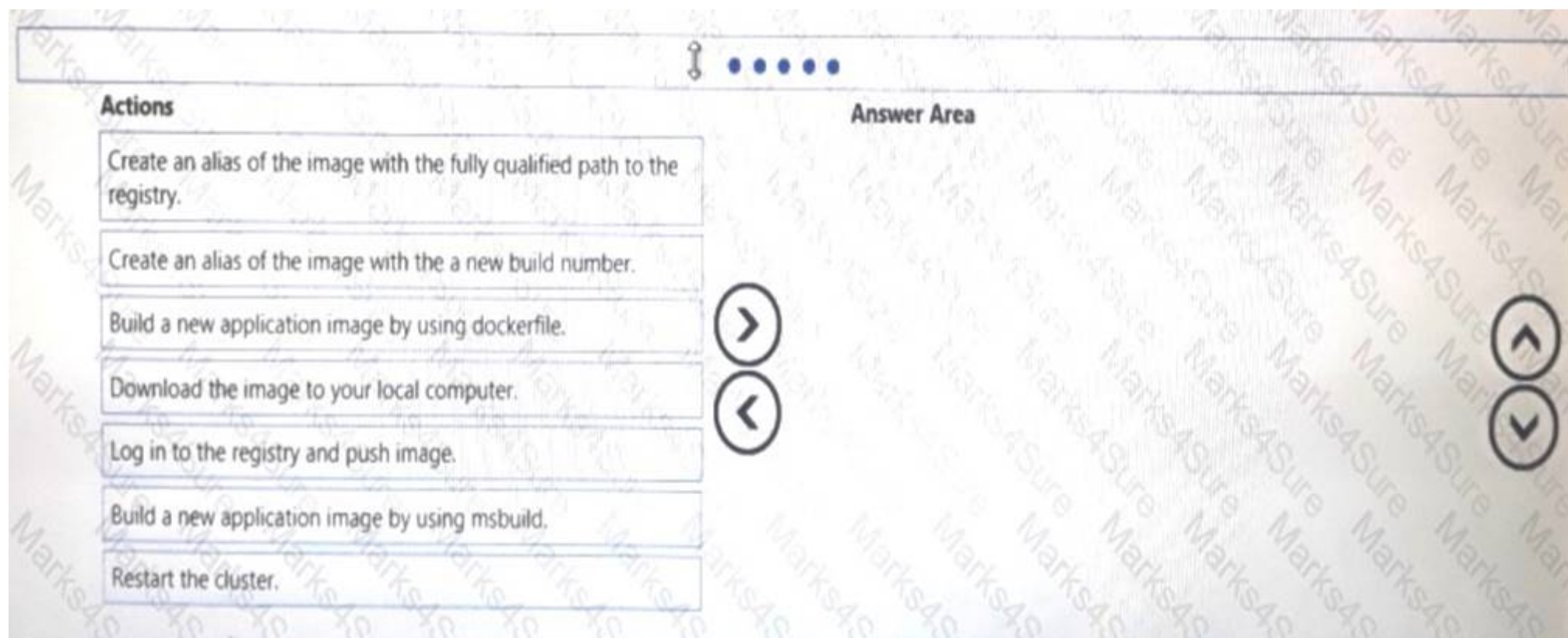
- A. Write custom code to make a Microsoft Graph API call from the e-commerce web app.
- B. Assign the Contributor RBAC role to the e-commerce web app by using the Resource Manager create role assignment API
- C. Update the e-commerce web app to read the HTTP request header values.
- D. Using the Azure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

**Answer:** A

**NEW QUESTION 228**

You need to deploy a new version of the Label Maker application. Which three actions should you perform in sequence?

To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.



**Answer:**

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

Topic 6, Case Study: 5Background  
 Requirements

You are a developer for Proseware, Inc. You are developing an application that applies a set of governance policies for Proseware's internal services, external services, and applications. The application will also provide a shared Horary for common functionality.

Policy service

You develop and deploy a stateful ASP.NET Core 2.1 web application named Policy service to an Azure App Service Web App. The application reacts to events from Azure Event Grid and performs policy actions based on those events.

The application must include the Event Grid Event ID field in all Application Insights telemetry.

Policy service must use Application Insights to automatically scale with the number of policy actions that it is performing.

Policies Log policy

All Azure App Service Web Apps must write logs to Azure Blob storage. All log files should be saved to a container named logdrop. Logs must remain in the container for 15 days.

Authentication events

Authentication events are used to monitor users signing in and signing out All authentication events must be processed by PoScy service Sign outs must be processed as quickly as possible

Policy Lib

You have a shared library named Policy Lib that contains functionality common to all ASP.NET Core web services and applications. The Policy Lib library must:

- Exclude non-user actions from Application Insights telemetry.
- Provide methods that allow a web service to scale itself.
- Ensure that scaling actions do not disrupt application usage.

Other

Anomaly detection service

You have an anomaly detection service that analyzes log information for anomalies. It is implemented as an Azure Machine learning model. The model is deployed as a web service.

If an anomaly is detected, an Azure Function that emails administrators is called by using an HTTP WebHook.

Health monitoring

All web applications and services have health monitoring at the /health service endpoint

Issues Policy loss

When you deploy Policy service, policies may not be applied if they were in the process of being applied during the deployment.

Performance issue

When under heavy load, the anomaly detection service undergoes slowdowns and rejects connections.

Notification latency

Users report that anomaly detection emails can sometimes arrive several minutes after an anomaly is detected.

App code EventGridController.cs

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.



EventGridController.es

```
EG01 public class EventGridController : Controller
EG02 {
EG03     public static AsyncLocal<string> EventId = new AsyncLocal<string>();
EG04     public IActionResult Process([FromBody] string eventsJson)
EG05     {
EG06         var events = JObject.Parse(eventsJson);
EG07     }
EG08     foreach (var @event in events)
EG09     {
EG10         EventId.Value = @event["id"].ToString();
EG11         if (@event["topic"].ToString().Contains("providers/Microsoft.Storage"))
EG12         {
EG13             SendToAnomalyDetectionService(@event["data"]["url"].ToString());
EG14         }
EG15     }
EG16     {
EG17         EnsureLogging(@event["subject"].ToString());
EG18     }
EG19 }
EG20 return null;
EG21 }
EG22 private void EnsureLogging(string resource)
EG23 {
EG24     ...
EG25 }
EG26 private async Task SendToAnomalyDetectionService(string url)
EG27 {
EG28     var content = GetLogData(url);
EG29     var scoreRequest = new
EG30     {
EG31         Inputs = new Dictionary<string, List<Dictionary<string, string>>>()
EG32         {
EG33             {
EG34                 "input1",
EG35                 new List<Dictionary<string, string>>()
EG36                 {
EG37                     new Dictionary<string, string>()
EG38                     {
EG39                         {
EG40                             "logcontent", content
EG41                         }
EG42                     }
EG43                 }
EG44             },
EG45         },
EG46         GlobalParameters = new Dictionary<string, string>() {}
EG47     };
EG48     var result = await (new HttpClient()).PostAsJsonAsync("...", scoreRequest);
EG49     var rawModelResult = await result.Content.ReadAsStringAsync();
EG50     var modelresult = JObject.Parse(rawModelResult);
EG51     if (modelresult["notify"].HasValues)
EG52     {
EG53         ...
EG54     }
EG55 }
EG56 private (string name, string resourceGroup) ParseResourceId(string resourceId)
EG57 {
EG58     ...
EG59 }
EG60 private string getLogData(string url)
EG61 {
EG62     ...
EG63 }
EG64 static string BlobStoreAccountSAS(string containerName)
EG65 {
EG66     ...
EG67 }
EG68 }
```

LoginEvent.cs

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.

```
LoginEvent.cs
LE01 public class LoginEvent
LE02 {
LE03
LE04     public string subject { get; set; }
LE05     public DateTime eventTime { get; set; }
LE06     public Dictionary<string, string> data { get; set; }
LE07     public string Serialize()
LE08     {
LE09         return JsonConvert.SerializeObject(this);
LE10     }
LE11 }
```

**NEW QUESTION 233**

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

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

**Answer: B**

#### NEW QUESTION 238

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 239

You need to meet the connection requirements for the New York office.

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

From the Azure portal:

- Create an ExpressRoute circuit only.
- Create a virtual network gateway only.
- Create a virtual network gateway and a local network gateway.
- Create an ExpressRoute circuit and an on-premises data gateway.
- Create a virtual network gateway and an on-premises data gateway.

In the New York office:

- Deploy ExpressRoute.
- Deploy a DirectAccess server.
- Implement a Web Application Proxy.
- Configure a site-to-site VPN connection.

Answer:

Explanation:

From the Azure portal:

- Create an ExpressRoute circuit only.
- Create a virtual network gateway only.
- Create a virtual network gateway and a local network gateway.
- Create an ExpressRoute circuit and an on-premises data gateway.
- Create a virtual network gateway and an on-premises data gateway.

In the New York office:

- Deploy ExpressRoute.
- Deploy a DirectAccess server.
- Implement a Web Application Proxy.
- Configure a site-to-site VPN connection.

#### NEW QUESTION 244

You need to implement Role1.

Which command should you run before you create Role1? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection « worth one point.

Find-RoleCapability  
 Get-AzureADDirectoryRole  
 Get-AzureRmRoleAssignment  
 Get-AzureRmRoleDefinition

ConvertFrom-Json  
 ConvertFrom-String  
 ConvertTo-Json  
 ConvertTo-Xml

Answer:

Explanation:

Find-RoleCapability  
 Get-AzureADDirectoryRole  
 Get-AzureRmRoleAssignment  
 Get-AzureRmRoleDefinition

ConvertFrom-Json  
 ConvertFrom-String  
 ConvertTo-Json  
 ConvertTo-Xml

#### NEW QUESTION 246

You need to prepare the New York office infrastructure for the migration of the on-premises virtual machines to Azure.

Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.



Actions

Answer Area

- From VM1, deploy a virtual machine.
- From the ASRV1 blade in the Azure portal, select a protection goal.
- From an Azure portal, download the OVF file.
- From VM1, register the configuration server.
- From VM1, connect to the collector virtual machine.

Answer:

Explanation: References:  
<https://docs.microsoft.com/en-us/azure/site-recovery/vmware-azure-tutorial>

NEW QUESTION 248

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 252

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**

- 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**

**Answer:**

**Explanation:**

**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 254

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



**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	<a href="#">Unblock</a>

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 259**

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

**Options**

- TryGetValueAsync
- GetOrAddAsync
- TryAddAsync
- AddOrUpdateAsync

**Answer area**

Diagram showing a sequence of three dots and a vertical line, indicating a sequence of operations to be performed in the answer area.

**Answer:**

**Explanation:**

**Options**

- TryGetValueAsync
- GetOrAddAsync
- TryAddAsync
- AddOrUpdateAsync

**Answer area**

Diagram showing the sequence of three methods to be performed in the answer area, enclosed in a dashed red box:

- TryAddAsync
- AddOrUpdateAsync
- TryGetValueAsync

**NEW QUESTION 264**

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.

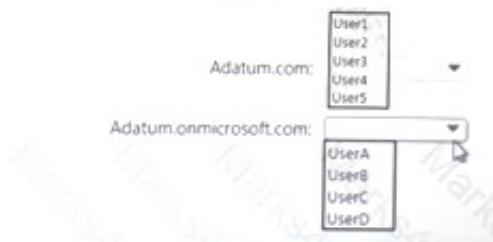
Name	Member of
User1	Domain Admins
User2	Schema Admins
User3	Incoming Forest Trust Builders
User4	Replicator
User5	Enterprise Admins

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.



The screenshot shows the 'Users' section of the Azure AD Connect configuration. Under 'Adatum.com', the following users are listed: User1, User2, User3, User4, and User5. Under 'Adatum.onmicrosoft.com', the following users are listed: UserA, UserB, UserC, and UserD. The 'Adatum.com' list is expanded, showing the full list of users.

**Answer:**

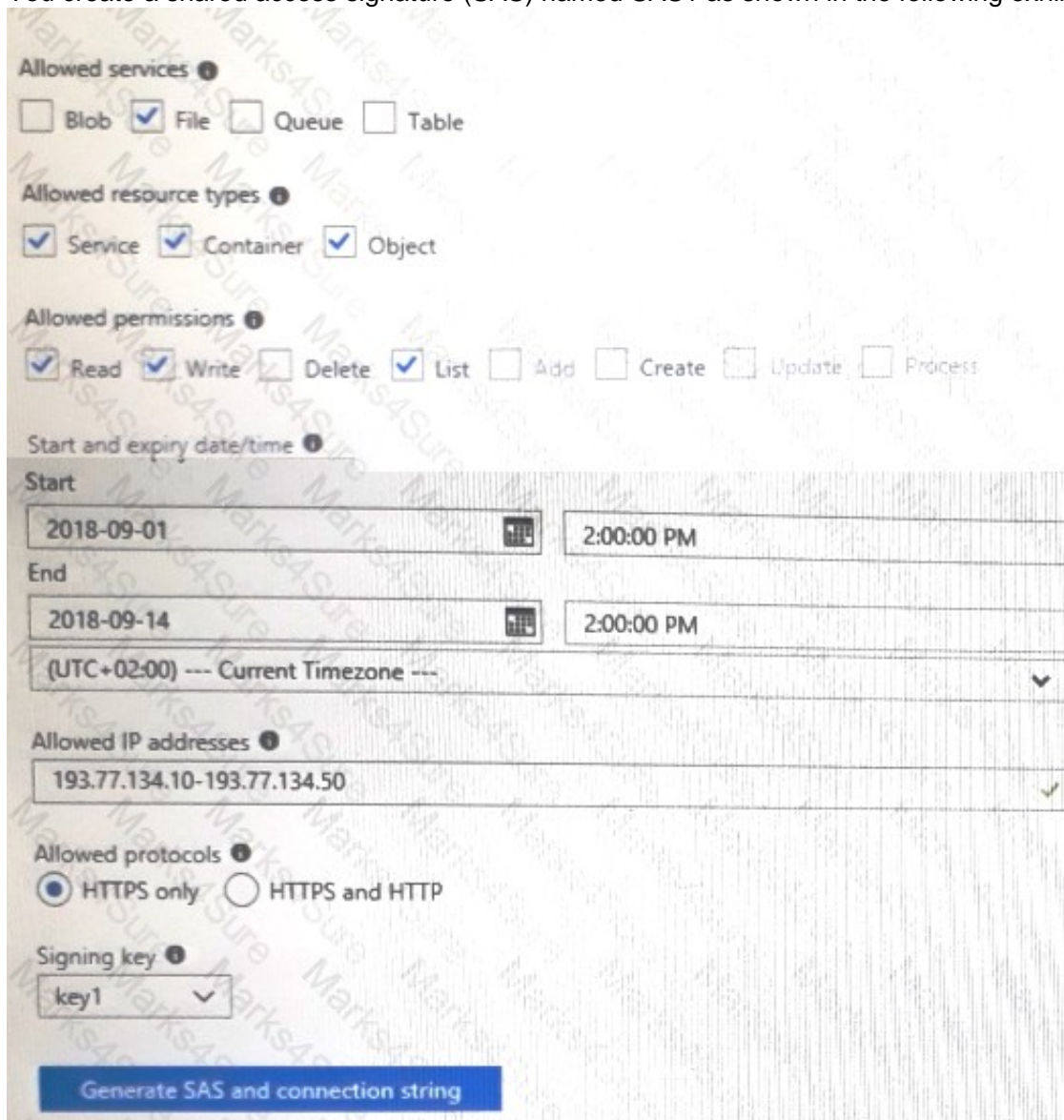
**Explanation:**



The screenshot shows the 'Users' section of the Azure AD Connect configuration. Under 'Adatum.com', the following users are listed: User1, User2, User3, User4, and User5. Under 'Adatum.onmicrosoft.com', the following users are listed: UserA, UserB, UserC, and UserD. The 'Adatum.com' list is expanded, showing the full list of users. The 'Adatum.onmicrosoft.com' list is also expanded, showing the full list of users.

#### NEW QUESTION 268

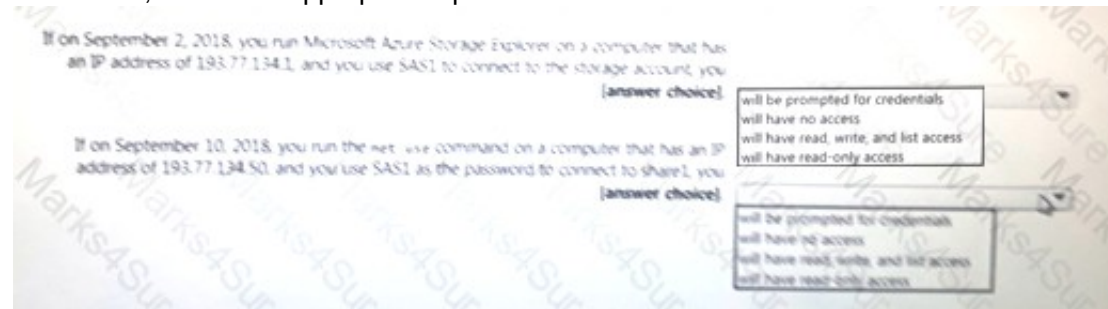
You have an Azure subscription named Subscription 1. In Subscription1, you create an Azure file share named share1. You create a shared access signature (SAS) named SAS1 as shown in the following exhibit.



The screenshot shows the 'Shared Access Signature (SAS)' configuration interface. The 'Allowed services' section has 'File' selected. The 'Allowed resource types' section has 'Service', 'Container', and 'Object' selected. The 'Allowed permissions' section has 'Read', 'Write', 'List', and 'Delete' selected. The 'Start and expiry date/time' section shows a start date of 2018-09-01 at 2:00:00 PM and an end date of 2018-09-14 at 2:00:00 PM. The 'Allowed IP addresses' section shows the IP range 193.77.134.10-193.77.134.50. The 'Allowed protocols' section has 'HTTPS only' selected. The 'Signing key' section shows 'key1' selected. A 'Generate SAS and connection string' button is at the bottom.

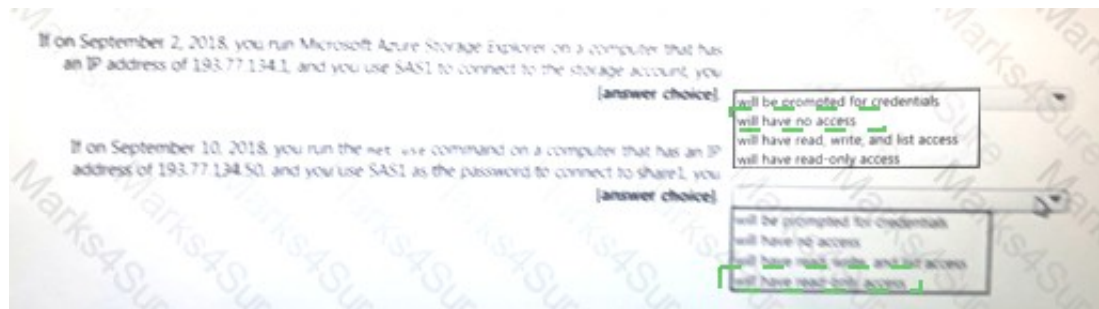


To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.



**Answer:**

**Explanation:**



## NEW QUESTION 272

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 =
            (
                await client.ReadDocumentAsync
                client.readDocumentFeedAsync
                client.CreateDocumentQuery<T>
                await client.ExecuteNextAsync<T>

                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 275

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

<object>("AzureFunction01", null);

CallActivityAsync  
 CallSubOrchestratorAsync  
 WaitForExternalEvent

<object>("AzureFunction02", f1Result);

CallActivityAsync  
 CallSubOrchestratorAsync  
 WaitForExternalEvent

Answer:

Explanation:

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

DurableOrchestrationContext  
 DurableActivityContext  
 DurableOrchestrationClient  
 DurableOrchestrationStatus

<object>("AzureFunction01", null);

CallActivityAsync  
 CallSubOrchestratorAsync  
 WaitForExternalEvent

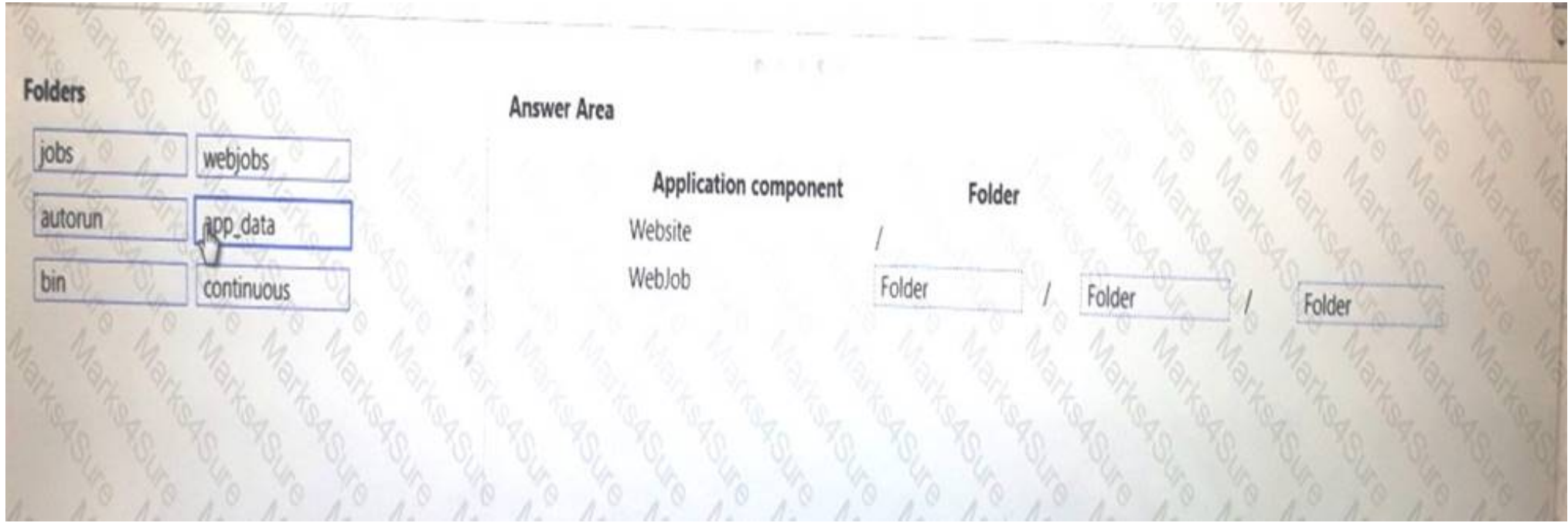
<object>("AzureFunction02", f1Result);

CallActivityAsync  
 CallSubOrchestratorAsync  
 WaitForExternalEvent

### NEW QUESTION 278

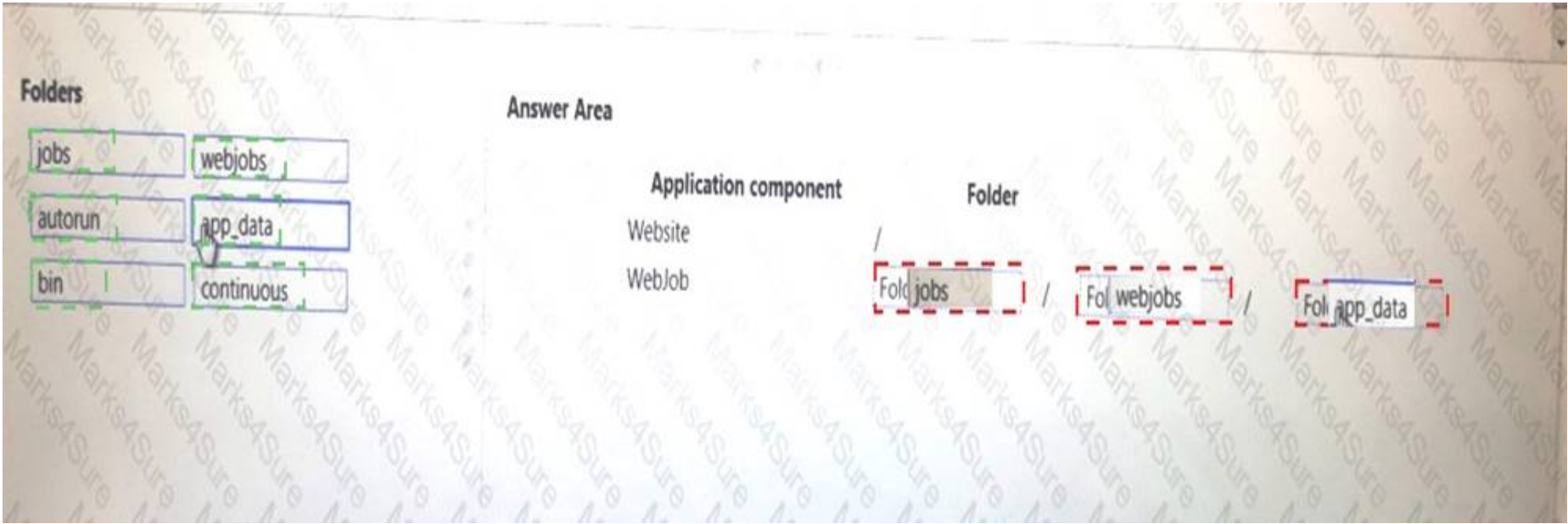
You are developing an application that consists of an ASP.NET Core Web API website and a WebJob that starts automatically and runs continuously. You are building the deployment process for the application. You need to ensure that both the website and the WebJob are deployed. How should you structure 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 282

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

#### NEW QUESTION 287

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 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.

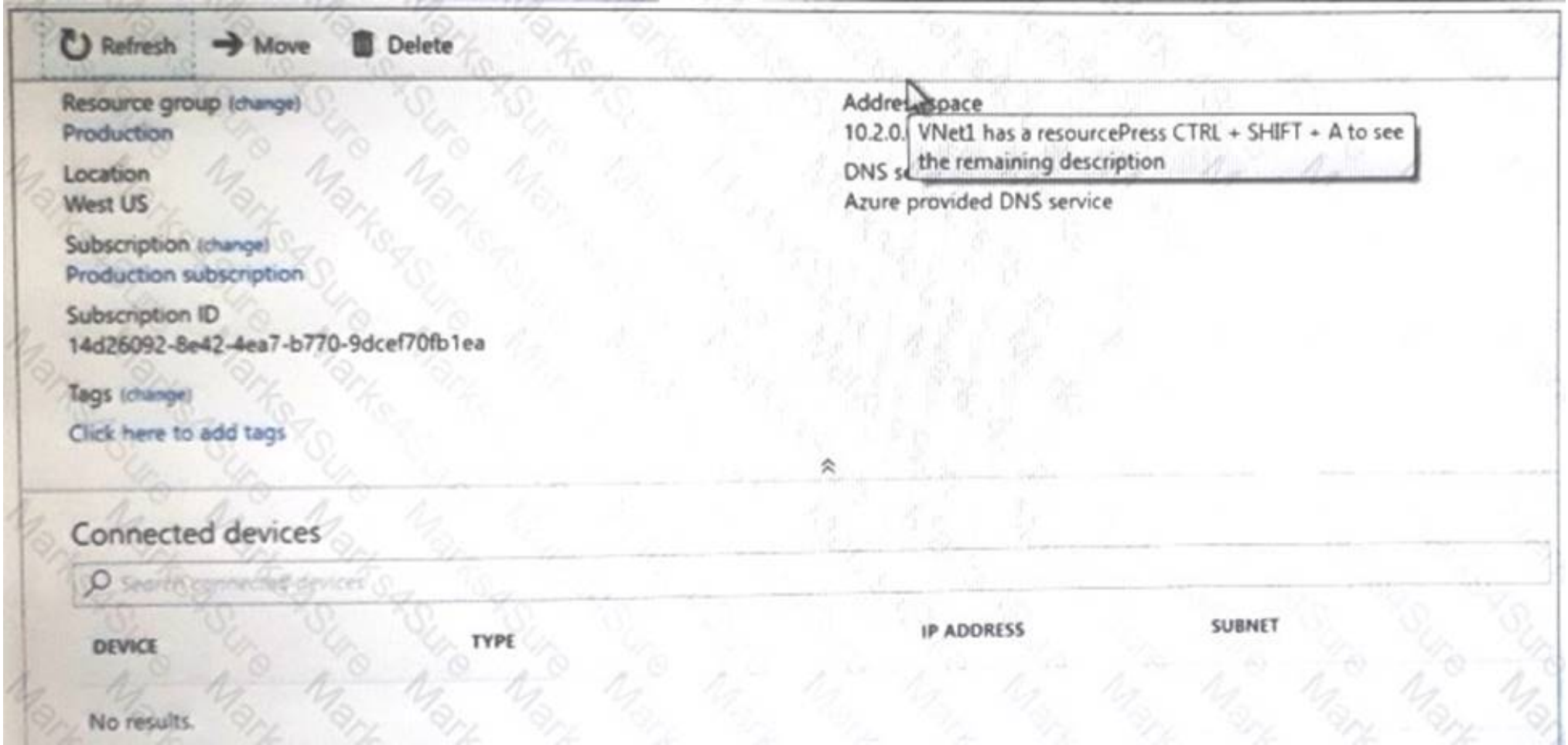
Scenario	Component
Add scenario question/answer content.	<div><div></div><div>QnA Maker runtime</div><div>QnA Maker management service</div></div>
Use an Azure Application Insights resource for analytics.	<div><div></div><div>QnA Maker runtime</div><div>QnA Maker management service</div></div>
Update 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 294

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



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

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

Answer: A

NEW QUESTION 298

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 303

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 305

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 309

You are building a custom Azure function app to connect to Azure Event Grid.

You need to ensure that resources are allocated dynamically to the function app. Billing must be based on the executions of the app.

What should you configure when you create the function app?

- A. The Windows operating system and the App Service plan hosting plan.
- B. The Docker container and an App Service plan that uses the S1 pricing tier.
- C. The Docker container and an App Service plan that uses the B1 pricing tier
- D. The Windows operating system and the Consumption plan hosting plan.

**Answer:** D

**Explanation:** References:

<https://docs.microsoft.com/en-us/azure/azure-functions/functions-scale>

### NEW QUESTION 310

Contoso, Ltd hosts the following ASP.NET workloads in Azure:

Workload	Server	Database
Sales	db_srv_sales_contoso	db_sales_contoso
Inventory	db_inventory_contoso	db_inventory_contoso

Users of the Sales software report mismatches between shown inventory at the time of sale and actual availability. Transactions across two systems result in inconsistent reads and writes. You encapsulate Sales order creation and Inventory status updates in elastic transactions.

You need to recommend changes to code and the databases to support transactions.

Which actions should you recommend? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Step	Action
Configure Database	<div> <div></div> <div> Use the New-AzureRmSqlServerCommunicationLink PowerShell cmdlet.  Use the Set-AzureRmSqlElasticPool PowerShell cmdlet.  Use the Set-AzureRmSqlElasticPoolRecommendedActionState PowerShell cmdlet.  Use the New-AzureRmSqlSyncGroup PowerShell cmdlet. </div> </div>
Transactions	<div> <div></div> <div> Use transactionScope in System.transactions  Use BEGIN-TRANSACTION in T-SQL  Use BEGIN-DISTRIBUTED-TRANSACTION in T-SQL  Use COMMIT TRANSACTION in T-SQL </div> </div>

Answer:

Explanation:

Step	Action
Configure Database	<div> <div></div> <div> Use the New-AzureRmSqlServerCommunicationLink PowerShell cmdlet. 1  Use the Set-AzureRmSqlElasticPool PowerShell cmdlet.  Use the Set-AzureRmSqlElasticPoolRecommendedActionState PowerShell cmdlet.  Use the New-AzureRmSqlSyncGroup PowerShell cmdlet. </div> </div>
Transactions	<div> <div></div> <div> Use transactionScope in System.transactions 1  Use BEGIN-TRANSACTION in T-SQL  Use BEGIN-DISTRIBUTED-TRANSACTION in T-SQL  Use COMMIT TRANSACTION in T-SQL </div> </div>

### NEW QUESTION 313

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

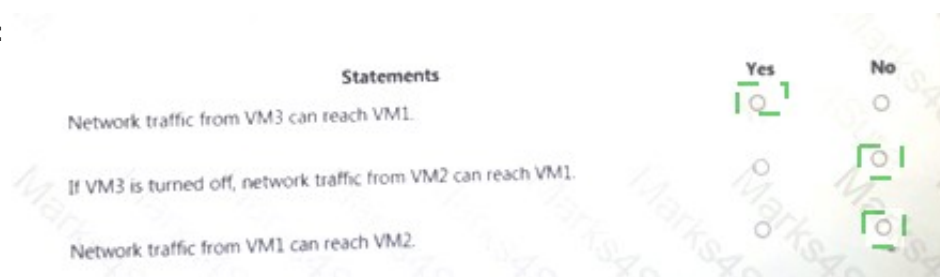
For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

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:**



#### NEW QUESTION 315

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 318

You have an on-premises Hyper-V cluster. The cluster contains Hyper-V hosts that run Windows Server 2016 Datacenter. The hosts are licensed under a Microsoft Enterprise agreement that has Software Assurance.

The Hyper-V cluster contains 30 virtual machines that run Windows Server 2012 R2. Each virtual machine runs a different workload. The workloads have predictable consumption patterns.

You plan to replace the virtual machines with Azure virtual machines that run Windows Server 2016. The virtual machines will be sized according to the consumption pattern of each workload.

You need to recommend a solution to minimize the compute costs of the Azure virtual machines.

Which two recommendations should include in the solution? Each correct answer presents part of the solution? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Configure a spending limit in the Azure account center.
- B. Activate Azure Hybrid Benefit for the Azure virtual machines.
- C. Purchase Azure reserved Virtual Machine Instances for the Azure virtual machines.
- D. Create a lab in Azure DevTest Labs and place the Azure virtual machines in the lab.
- E. Create a virtual machine scale set that uses autoscaling.

**Answer: BC**

**Explanation:** References:

<https://azure.microsoft.com/en-gb/pricing/hybrid-benefit/>

#### NEW QUESTION 322

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals.

Some question sets might have more than one correct solution, while others might not have a correct solution. After you answer a question in this section, you will NOT be able to return to it. As a result these questions will not appear in the review screen.

You have an Azure Active Directory (Azure AD) tenant named Adatum and an Azure Subscription named Subscription. Adatum contains a group named Developers. Subscription 1 contains a resource group named Dev.

You need to provide the Developers group with the ability to create Azure logic apps in the Dev resource group.

Solution; On Dev, you assign the Logic App Contributor role to the Developers group. Does this meet the goal?

- A. Yes
- B. No

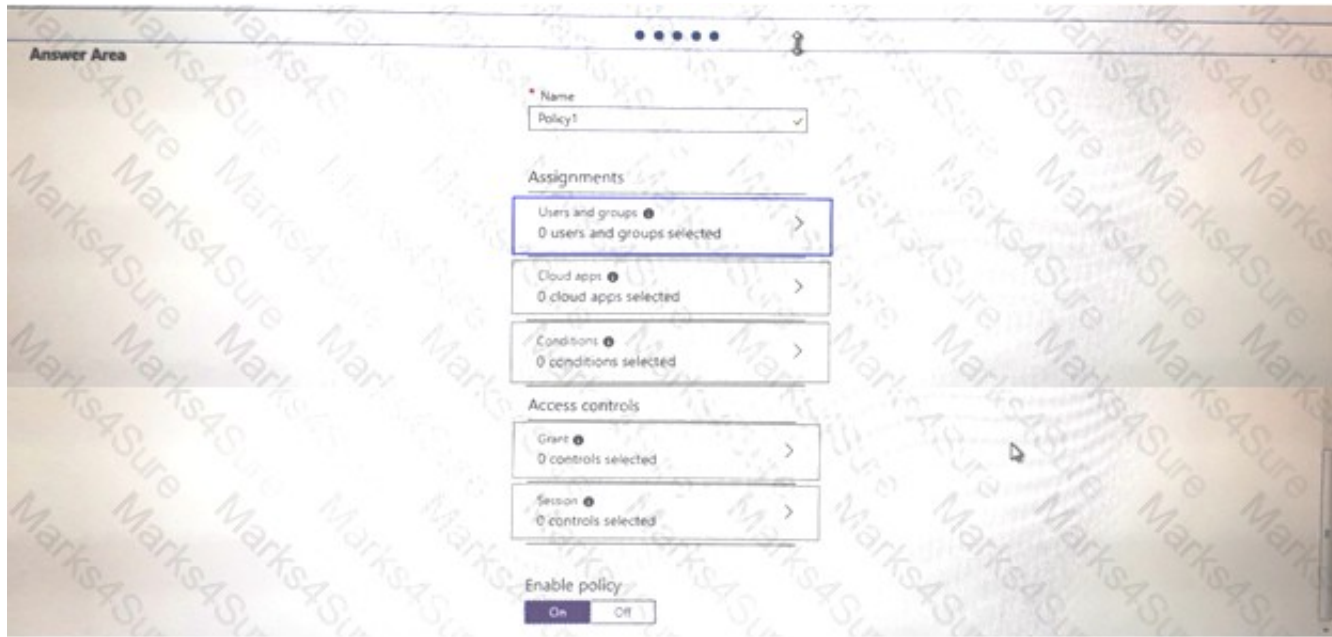
**Answer: A**

#### NEW QUESTION 325

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 329

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 334

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.



Services	Task	Service
Azure Batch	Perform rendering of three-dimensional images.	Service
Azure WebJobs	Use parallel processes to complete calculations.	Service
Azure Logic Apps		

Answer:

Explanation: References:  
<https://docs.microsoft.com/en-us/azure/batch/batch-technical-overview>

NEW QUESTION 335

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

Answer: C

Explanation: References:  
<https://azure.microsoft.com/en-gb/pricing/details/azure-migrate/>

NEW QUESTION 336

You have an Azure subscription that contains the following resources:

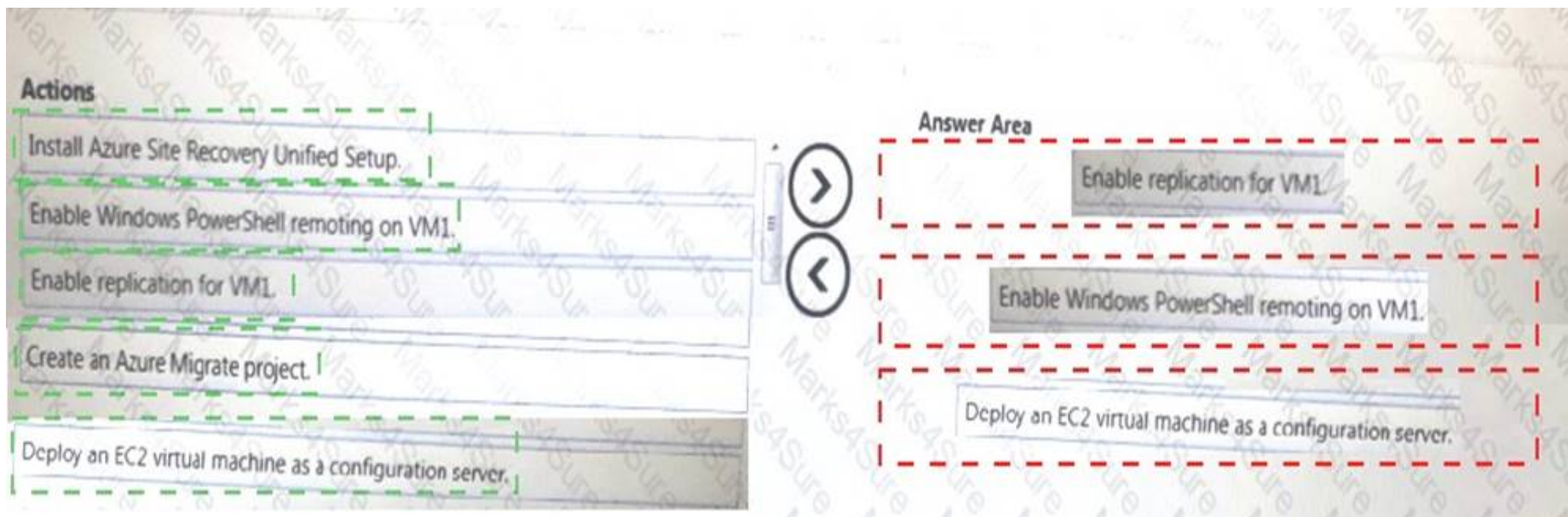
- a virtual network named VNet1
- a replication policy named RepIPoHcy1
- a Recovery Services vault named Vault1
- an Azure Storage account named Storage1

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

Actions	Answer Area
Install Azure Site Recovery Unified Setup.	
Enable Windows PowerShell remoting on VM1.	
Enable replication for VM1.	
Create an Azure Migrate project.	
Deploy an EC2 virtual machine as a configuration server.	

Answer:

Explanation:



### NEW QUESTION 337

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 342

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 Customer Tran Scope Option and Required for Audit Tran Scope Option
- B. Requires New for Customer Tran Scope Option and Suppress for Audit Tran Scope Option
- C. Suppress for Customer Tran Scope Option and Suppress for Audit Tran Scope Option
- D. Requires New for the Customer Tran Scope Option and Requires New for the Audit Tran Scope Option



Answer: A

#### NEW QUESTION 344

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 347

A company has the following offices:

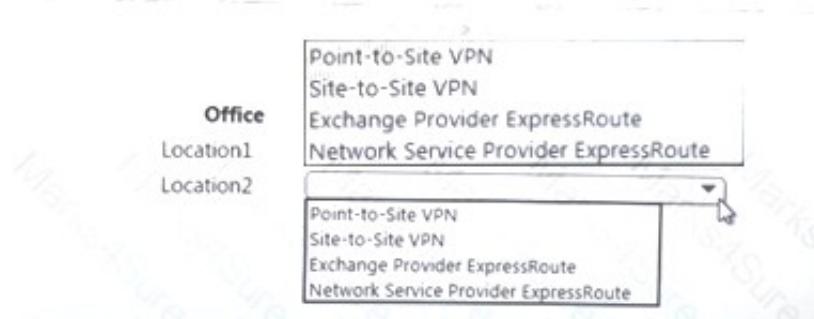
Office	Comments
Location1	This office has 30 networked computers, a VPN server, and a server that runs Microsoft Exchange.
Location2	This office has five on-premises servers.

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.

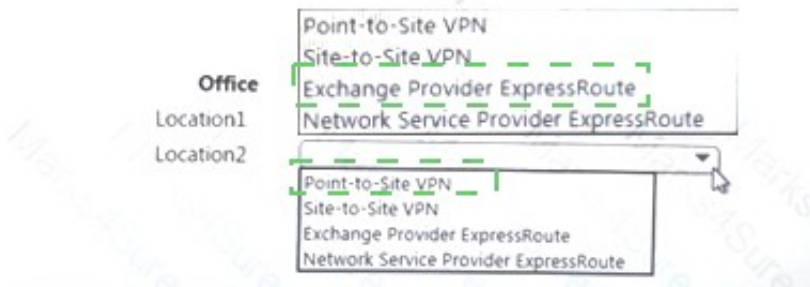
You need to configure the hybrid solution.

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:



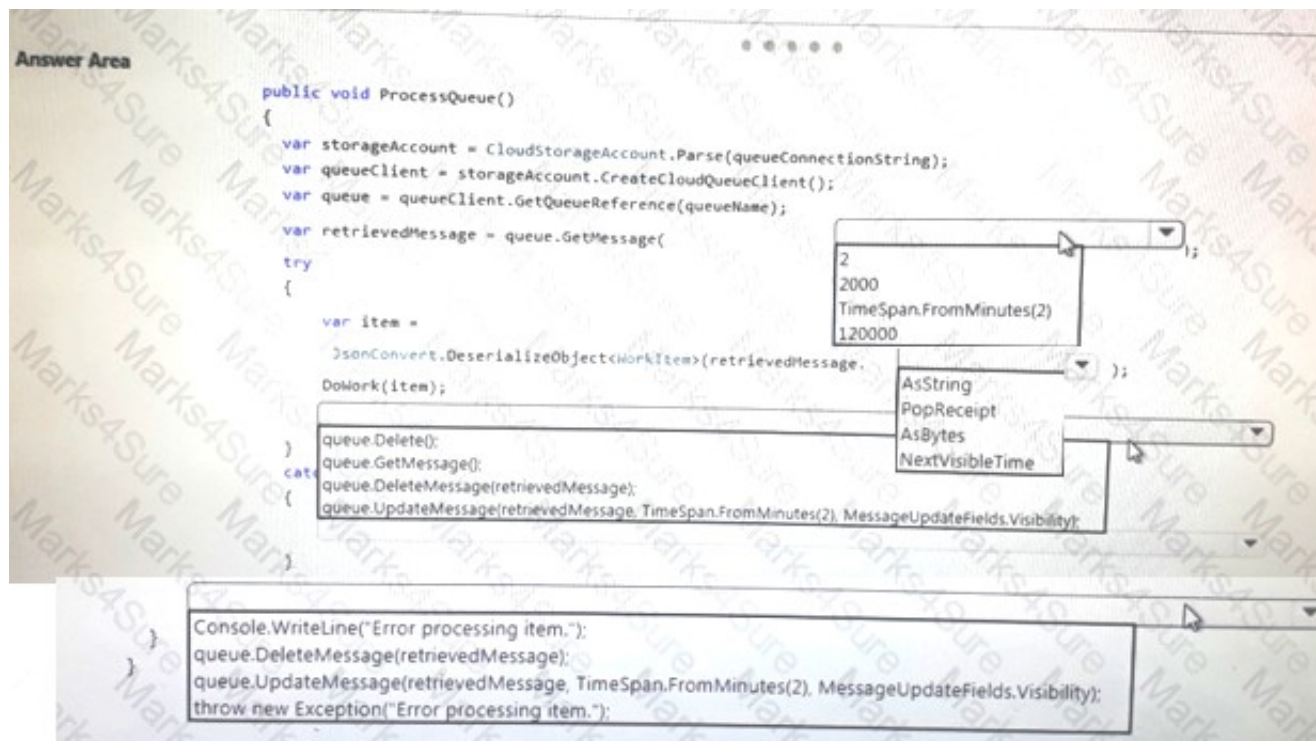
#### NEW QUESTION 349

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:

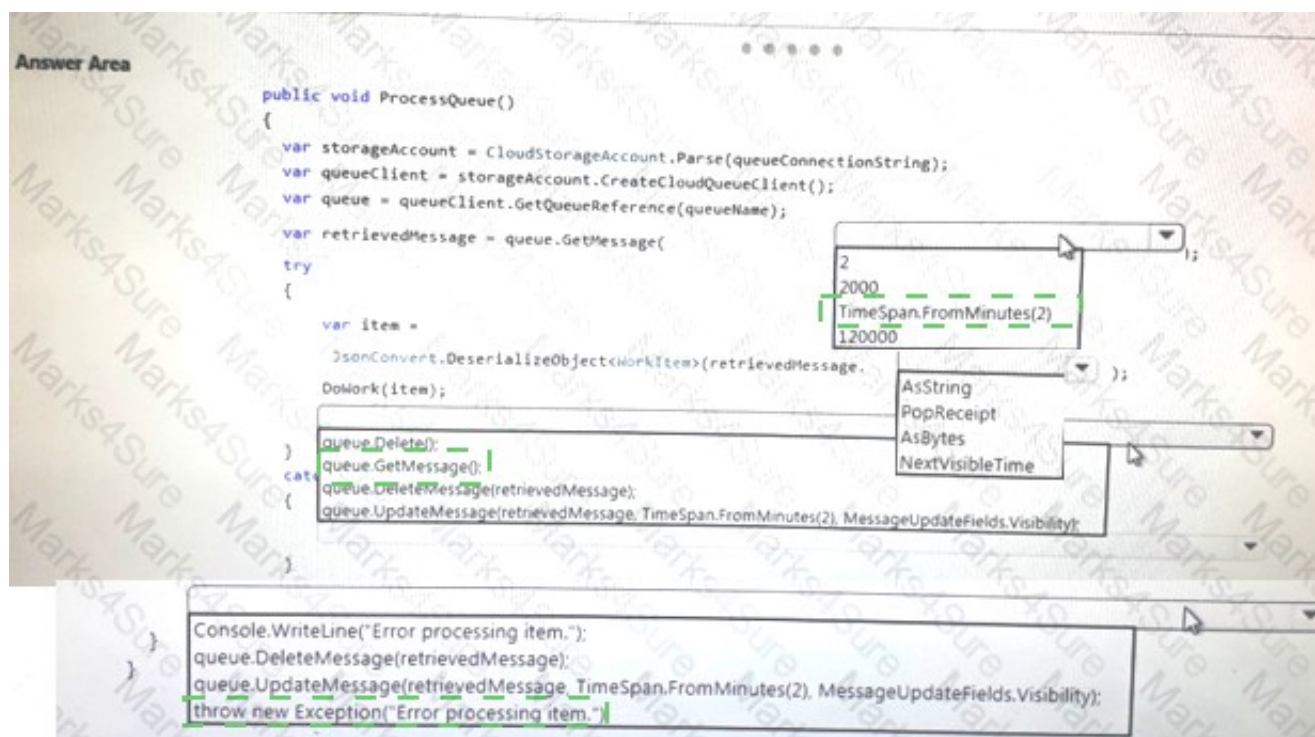
- Property access an item from the queue and be resistant to failure.
- Run on multiple background processes.
- Ensure that items are available to other workers two minutes after a worker process fails.
- Ensure that messages regarding failed processes are logged to the console.

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 354

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?

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

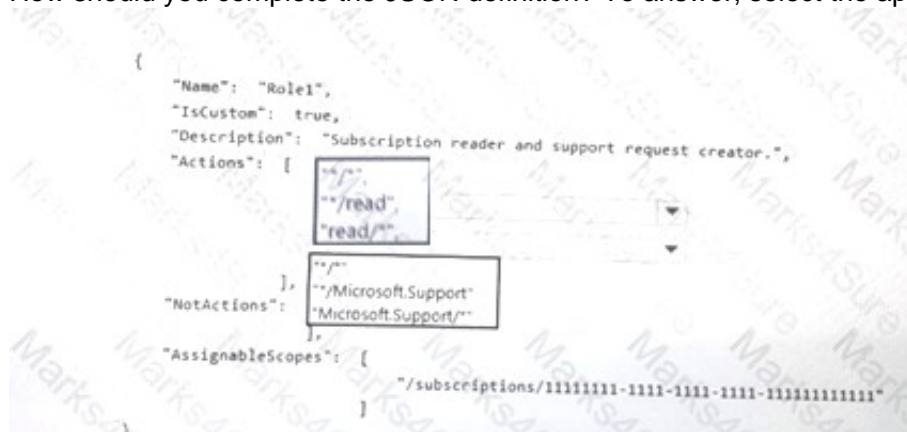
Answer: D

#### NEW QUESTION 359

You plan to create a new Azure Active Directory (Azure AD) role.

You need to ensure that the new role can view all the resources in the Azure subscription and issue support requests to Microsoft. The solution must use the principle of least privilege.

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





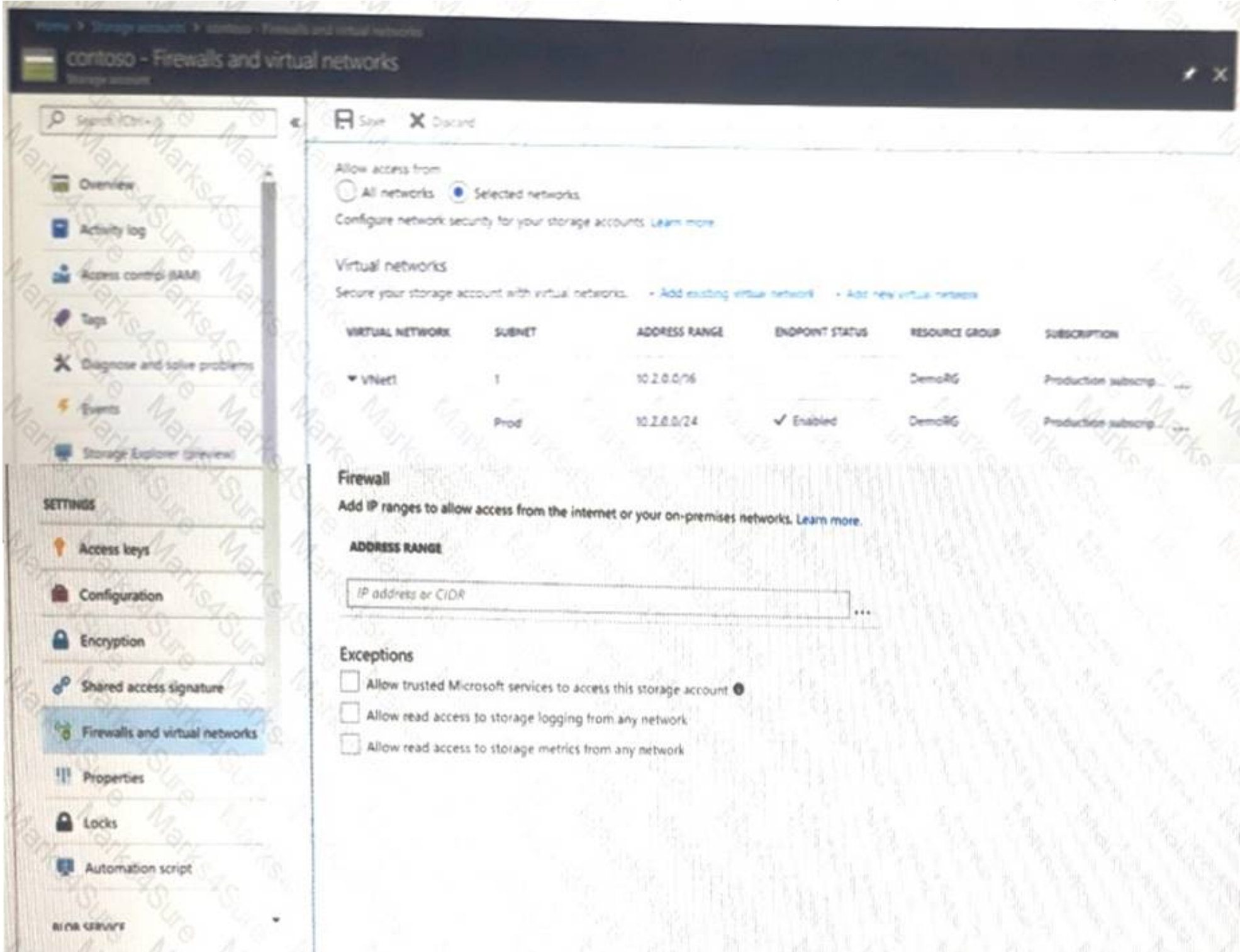
Answer:

Explanation:



NEW QUESTION 360

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 363

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

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

Developers must connect to DevServer only through DevWorkstation. To maintain security, DevServer must not accept connections from the internet. You need to create a private connection between the DevWokstation and DevServer.

Solution: Configure a public IP address on DevServer\_WestCentral. Configure the Network Security Group to allow all incoming ports.

Does the solution meet the goal?

- A. Yes
- B. NO

Answer: A

NEW QUESTION 367

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 Subscription1 named Subscription1. Adatum contains a group named Developers. Subscnpbon1 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 logic App Operator role to the Developers group. Does this meet the goal?

- A. Yes
- B. NO

Answer: B

NEW QUESTION 372

You are configuring serverless computing in Azure.

You need to receive an email message whenever a resource is created in or deleted from a resource group. 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

Create an event subscription.

Create an Azure Service Bus namespace.

Create an Azure Logic App.

Create conditions and actions.

Create an Azure Event Grid trigger.

Answer Area

Answer:



**Explanation:** References:  
<https://docs.microsoft.com/en-us/azure/event-grid/monitor-virtual-machine-changes-event-grid-logic-app>

**NEW QUESTION 374**

You develop a web app that uses the tier D1 app service plan by using the Web Apps feature of Microsoft Azure App Service. Spikes in traffic have caused increases in page load times. You need to ensure that the web app automatically scales when CPU load is about 85 percent and minimize costs. Which four actions should you perform in sequence?

Actions	Answer Area
<div>Configure a Scale condition.</div>	
<div>Enable autoscaling on the web app.</div>	
<div>Add a Scale rule.</div>	
<div>Configure the web app to the Standard App Service tier.</div>	
<div>Switch to an Azure App Services consumption plan.</div>	
<div>Configure the web app to the Premium App Service tier.</div>	

**Answer:**

**Explanation:** References:  
<https://docs.microsoft.com/en-us/azure/azure-monitor/platform/autoscale-get-started>

**NEW QUESTION 378**

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