



AZ-204^{Q&As}

Developing Solutions for Microsoft Azure

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QUESTION 1

You are developing an application to store business-critical data in Azure Blob storage. The application must meet the following requirements:

1.

Data must not be modified or deleted for a user-specified interval.

2.

Data must be protected from overwrites and deletes.

3.

Data must be written once and allowed to be read many times.

You need to protect the data for the Azure Blob storage account.

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

NOTE: Each correct selection is worth one point.

- A. Configure a time-based retention policy for the storage account.
- B. Create an account shared-access signature (SAS).
- C. Enable the blob change feed for the storage account.
- D. Enable version-level immutability support for the storage account.
- E. Enable point-in-time restore for containers in the storage account.
- F. Create a service shared-access signature (SAS).

Correct Answer: AD

- A. Configure a time-based retention policy for the storage account

-

A time-based retention policy stores blob data in a Write-Once, Read-Many (WORM) format for a specified interval. When a time-based retention policy is set, clients can create and read blobs, but can't modify or delete them. After the retention interval has expired, blobs can be deleted but not overwritten. <https://learn.microsoft.com/en-us/azure/storage/blobs/immutable-time-based-retention-policy-overview>

D.

Before you can apply a time-based retention policy to a blob version, you must enable support for version-level immutability. <https://learn.microsoft.com/en-us/azure/storage/blobs/immutable-policy-configure-version-scope?tabs=azure-portal>

QUESTION 2



HOTSPOT

You develop an image upload service that is exposed using Azure API Management. Images are analyzed after upload for automatic tagging.

Images over 500 KB are processed by a different backend that offers a lower tier of service that costs less money. The lower tier of service is denoted by a header named x-lsrSe- requ?t. Images over 500 KB must never be processed by

backends for smaller images and must always be charged the lower price.

You need to implement API Management policies to ensure that images are processed correctly.

How should you complete the API Management inbound policy? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

The screenshot shows an API Management inbound policy editor. The policy code is as follows:

```
<inbound>
<base/>
<set-variable name="imageSize" value="@(<context.Request.Headers["Content-Length"]<0])"/>
<choose>
  <when condition="@(<int.Parse(<context.Variables.GetValueOrDefault<string>("imageSize")<512000)>">
    <set-header name="x-large-request" exists-action="
    <value>true</value>
  </set-header>
</when>

  <otherwise>
    <set-backend-service
    </set-body
  </choic
</inbound>
```

The 'exists-action' dropdown menu is open, showing the following options: delete, skip, append, delete, and override. The 'delete' option is highlighted.

Correct Answer:

The screenshot shows the same API Management inbound policy editor as above. The 'exists-action' dropdown menu is open, and the 'delete' option is highlighted in green, indicating it is the correct answer.



QUESTION 3

HOTSPOT

You need to implement the delivery service telemetry data.

How should you configure the solution?

NOTE: Each correct selection is worth one point.

Hot Area:

Azure Cosmos DB	Value
API	<input type="text"/> Core (SQL) Gremlin Table MongoDB
Partition Key	<input type="text"/> Item id Vehicle license plate Vehicle package capacity Vehicle location coordinates

Correct Answer:

Azure Cosmos DB	Value
API	<input type="text"/> Core (SQL) Gremlin Table MongoDB
Partition Key	<input type="text"/> Item id Vehicle license plate Vehicle package capacity Vehicle location coordinates

QUESTION 4

DRAG DROP

A company has multiple warehouse. Each warehouse contains IoT temperature devices which deliver temperature data to an Azure Service Bus queue.

You need to send email alerts to facility supervisors immediately if the temperature at a warehouse goes above or below specified threshold temperatures.

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.

Select and Place:



Actions

Add a logic app trigger that fires when one or more messages arrive in the queue.

Add a Recurrence trigger that schedules the app to run every 15 minutes.

Add an action that sends an email to specified personnel if the temperature is outside of those thresholds.

Add a trigger that reads IoT temperature data from a Service Bus queue.

Add a logic app action that fires when one or more messages arrive in the queue.

Add a condition that compares the temperature against the upper and lower thresholds.

Create a blank Logic app.

Add an action that reads IoT temperature data from the Service Bus queue.

Answer Area

Correct Answer:

Actions

Add a logic app trigger that fires when one or more messages arrive in the queue.

Add a Recurrence trigger that schedules the app to run every 15 minutes.

Add an action that sends an email to specified personnel if the temperature is outside of those thresholds.

Add a trigger that reads IoT temperature data from a Service Bus queue.

Add a logic app action that fires when one or more messages arrive in the queue.

Add a condition that compares the temperature against the upper and lower thresholds.

Create a blank Logic app.

Add an action that reads IoT temperature data from the Service Bus queue.

Answer Area

Create a blank Logic app.

Add a logic app action that fires when one or more messages arrive in the queue.

Add an action that reads IoT temperature data from the Service Bus queue.

Add a condition that compares the temperature against the upper and lower thresholds.

Add an action that sends an email to specified personnel if the temperature is outside of those thresholds.

Step 1: Create a blank Logic app.

Create and configure a Logic App.

Step 2: Add a logical app trigger that fires when one or more messages arrive in the queue.

Configure the logic app trigger.



Under Triggers, select When one or more messages arrive in a queue (auto-complete).

Step 3: Add an action that reads IoT temperature data from the Service Bus queue Step 4: Add a condition that compares the temperature against the upper and lower thresholds. Step 5: Add an action that sends an email to specified personnel if the temperature is outside of those thresholds Reference: <https://docs.microsoft.com/en-us/azure/iot-hub/iot-hub-monitoring-notifications-with-azure-logic-apps>

QUESTION 5

DRAG DROP

You are developing a serverless Java application on Azure. You create a new Azure Key Vault to work with secrets from a new Azure Functions application.

The application must meet the following requirements:

1.
Reference the Azure Key Vault without requiring any changes to the Java code.
2.
Dynamically add and remove instances of the Azure Functions host based on the number of incoming application events.
3.
Ensure that instances are perpetually warm to avoid any cold starts.
4.
Connect to a VNet.
5.
Authentication to the Azure Key Vault instance must be removed if the Azure Function application is deleted.

You need to grant the Azure Functions application access to the Azure Key Vault.

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.

Select and Place:



Actions

Create a user-assigned managed identity for the application.

Create the Azure Functions app with a Premium plan type.

Create an access policy in Azure Key Vault for the application identity.

Create an SSL certification in Azure Key Vault for the application identity.

Create the Azure Functions app with an App Service plan type.

Create the Azure Functions app with a Consumption plan type.

Create a system-assigned managed identity for the application.

Answer Area



Correct Answer:



Actions

-
- Create the Azure Functions app with a Premium plan type.
-
- Create an SSL certification in Azure Key Vault for the application identity.
- Create the Azure Functions app with an App Service plan type.
-
- Create a system-assigned managed identity for the application.

Answer Area

- Create the Azure Functions app with a Consumption plan type.
- Create a user-assigned managed identity for the application.
- Create an access policy in Azure Key Vault for the application identity.
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Step 1: Create the Azure Functions app with a Consumption plan type.

Use the Consumption plan for serverless.

Step 2: Create a system-assigned managed identity for the application.

Create a system-assigned managed identity for your application.

Key Vault references currently only support system-assigned managed identities. User-assigned identities cannot be used.

Step 3: Create an access policy in Key Vault for the application identity.

Create an access policy in Key Vault for the application identity you created earlier. Enable the "Get" secret permission on this policy. Do not configure the "authorized application" or applicationId settings, as this is not compatible with a managed identity.

Reference:

<https://docs.microsoft.com/en-us/azure/app-service/app-service-key-vault-references>

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