DBCLOUD
EXAMS

QUESTIONS & ANSWERS

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Technology Provider: Microsoft

Exam: Developing AI Cloud Solutions on Azure

Number of questions in the database: 132

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Topic 1

Question #1Topic 1

You maintain multiple versions of a container image in Azure Container Registry.

The production deployment must always run the exact same image build even if tags are changed later.

You need to ensure predictable and immutable image selection during deployment.

What should you do?

A. Tag the image as production and deploy it by using the production tag.

B. Schedule nightly rebuilds of the image.

C. Configure deployment to use the latest tag.

D. Identify the image by using its SHA digest.

Correct Answer: *D*

Question #2Topic 1

A container in an AKS cluster repeatedly restarts.

Pod events show probe failures, although node-level CPU and memory metrics are normal.

You need to diagnose the cause of the repeating restarts.

What should you do first?

A. Scale the deployment to more replicas.

B. Decrease the initialDelaySeconds for the container liveness probe.

C. Drain and reboot the node hosting the pod.

D. Inspect the pod events and container logs.

Correct Answer: *D*

Question #3Topic 1

You develop a message-processing service deployed to Azure Container Apps. The service reads messages from an Azure Service Bus queue.

The solution must minimize costs by ensuring NO compute resources are consumed when the queue is empty.

You need to configure scaling for the service.

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

NOTE: Each correct selection is worth one point.

A. Increase the scaling rule to allow for the maximum running replica count.

B. Configure the scaling rule to allow for the termination of all active replicas.

C. Configure a Kubernetes Event-driven Autoscaler rule that monitors queue length.

D. Enable HTTP ingress concurrency scaling.

Correct Answer: *BC*

Question #4Topic 1

You configure ACR Tasks to automate image builds.

Container images must rebuild when:

Application updates occur.

Base image updates occur, such as when the underlying OS image is updated.

Regular scheduled rebuilds are required.

You need to configure ACR Tasks to support automated image rebuilds.

Which three triggers should you configure? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Timer trigger

B. Source code commit trigger

C. Registry event trigger

D. Base image update trigger

E. Webhook notification trigger

Correct Answer: *ABD*

Question #5Topic 1

A large retail company operates online and physical stores. The company tracks inventory levels in real time to manage stock efficiently across all locations. You develop an Azure Event Grid solution to handle events generated by the inventory management system deployed to Azure.

You need to implement a subscription filter that dynamically adjusts to seasonal changes in product demand.

Which event filter should you use?

A. An advanced filter using a Boolean condition that evaluates multiple data fields, including a season field within the event data

B. A prefix filter on the event type field that matches the current season's name

C. A subscription filter that uses a label filter to include events tagged with seasonal promotional codes

D. A static subject filter that targets events with a subject ending in "/seasonal/inventory"

Correct Answer: *A*

Question #6Topic 1

You are developing an Azure Function that calls external APIs by providing an access token for the API. The access token is stored in a secret named token in an Azure Key Vault named mykeyvault.

You need to ensure the Azure Function can access the token. Which value should you store in the Azure Functions app configuration?

A. KeyVault:mykeyvault;Secret:token

B. App:Settings:Secret:mykeyvault:token

C. @Microsoft.KeyVault(SecretUri=https://mykeyvault.vault.azure.net/secrets/token/)

D. AZUREKVCONNSTR_ https://mykeyvault.vault.azure.net/secrets/token/

Correct Answer: *C*

Question #7Topic 1

You process Azure Service Bus messages that require a dependent external API call.

If the API is temporarily unavailable, you must delay processing of the message without incrementing the delivery count.

You need to find a way to process the message when the API is available while keeping the message accessible.

Which message action should you perform?

A. Dead-letter

B. Defer

C. Abandon

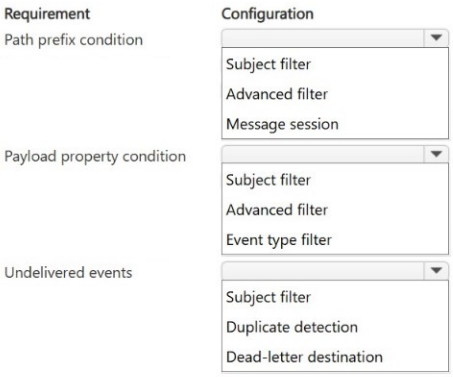
D. Complete

Correct Answer: *B*

Question #8Topic 1

HOTSPOT -
You configure an Event Grid event subscription that routes AI file-upload events to an Azure Function endpoint.
Events must be delivered only in the following conditions:
The event path starts with /uploads/ai/.
The payload property data.fileType is "pdf."
You must store undelivered events for later investigation and reprocessing if the subscriber endpoint cannot accept an event after multiple retries.
You need to configure the filtering and reliability settings.
Which configurations should you use? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area
Event Grid filtering and reliability



Correct Answer:

Answer Area
Event Grid filtering and reliability

