

Exam Questions AZ-204

Developing Solutions for Microsoft Azure

<https://www.2passeasy.com/dumps/AZ-204/>



NEW QUESTION 1

- (Topic 8)

You are developing a road tollway tracking application that sends tracking events by using Azure Event Hubs using premium tier. Each road must have a throttling policy uniquely assigned. You need to configure the event hub to allow for per-road throttling. What should you do?

- A. Ensure each road has a unique connection string.
- B. Use a unique consumer group for each road
- C. Use a unique application group for each road
- D. Ensure each road stores events in a different partition.

Answer: D

NEW QUESTION 2

- (Topic 8)

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 CLI or PowerShell command should you run?

- A)
- ```
New-AzureRmResourceGroup
 -Name fridge-rg
 -Location fridge-loc
```
- B)
- ```
connectionStrings=$(az servicebus namespace authorization-rule keys list
  --resource-group fridge-rg
  --fridge-ns fridge-ns
  --name RootManageSharedAccessKey
  --query primaryConnectionString --output tsv)
```
- C)
- ```
New-AzureRmServiceBusQueue
 -ResourceGroupName fridge-rg
 -NamespaceName fridge-ns
 -Name fridge-q
 -EnablePartitioning $False
```
- D)
- ```
New-AzureRmServiceBusNamespace
  -ResourceGroupName fridge-rg
  -NamespaceName fridge-ns
  -Location fridge-loc
```

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

Answer: C

NEW QUESTION 3

- (Topic 8)

An organization hosts web apps in Azure. The organization uses Azure Monitor You discover that configuration changes were made to some of the web apps. You need to identify the configuration changes. Which Azure Monitor log should you review?

- A. AppServiceEnvironmentPlatformLogs
- B. AppServiceApplogs
- C. AppServiceAuditLogs
- D. AppServiceConsoteLogs

Answer: C

NEW QUESTION 4

HOTSPOT - (Topic 8)

You are developing a web application that will use Azure Storage. Older data will be less frequently used than more recent data.

You need to configure data storage for the application. You have the following requirements:

? Retain copies of data for five years.

? Minimize costs associated with storing data that is over one year old.

? Implement Zone Redundant Storage for application data.

What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Requirement	Solution
Configure an Azure Storage account	<div> <div>▼</div> <div> Implement Blob Storage Implement Azure Cosmos DB Implement Storage (general purpose v1) Implement StorageV2 (general purpose v2) </div> </div>
Configure data retention	<div> <div>▼</div> <div> Snapshot blobs and move them to the archive tier Set a lifecycle management policy to move blobs to the cool tier Use AzCopy to copy the data to an on-premises device for backup Set a lifecycle management policy to move blobs to the archive tier </div> </div>

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Requirement	Solution
Configure an Azure Storage account	<div> <div>▼</div> <div> Implement Blob Storage Implement Azure Cosmos DB Implement Storage (general purpose v1) Implement StorageV2 (general purpose v2) </div> </div>
Configure data retention	<div> <div>▼</div> <div> Snapshot blobs and move them to the archive tier Set a lifecycle management policy to move blobs to the cool tier Use AzCopy to copy the data to an on-premises device for backup Set a lifecycle management policy to move blobs to the archive tier </div> </div>

NEW QUESTION 5

HOTSPOT - (Topic 8)

You are developing a .NET Core MVC application for customers to research hotels. The application will use Azure Search. The application will search the index by using various criteria to locate documents related to hotels. The index will include search fields for rate, a list of amenities, and distance to the nearest airport.

The application must support the following scenarios for specifying search criteria and organizing results:

- Search the index by using regular expressions.
- Organize results by counts for name-value pairs.
- List hotels within a specified distance to an airport and that fall within a specific price range.

You need to configure the SearchParameters class.

Which properties should you configure? To answer, select the appropriate options in the answer area.

NOTE Each correct selection is worth one point.

Scenario	Property
Search the index by using regular expressions.	<div> <div>▼</div> <div> QueryType OrderBy SearchMode </div> </div>
Organize results by counts for name-value pairs.	<div> <div>▼</div> <div> Facets Filter SearchMode </div> </div>
List hotels within a specified distance to an airport and that fall within a specific price range.	<div> <div>▼</div> <div> Order by Top Filter </div> </div>

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Box 1: QueryType

The SearchParameters.QueryType Property gets or sets a value that specifies the syntax of the search query. The default is 'simple'. Use 'full' if your query uses the Lucene query syntax.

You can write queries against Azure Search based on the rich Lucene Query Parser syntax for specialized query forms: wildcard, fuzzy search, proximity search, regular expressions are a few examples.

Box 2: Facets

The facets property gets or sets the list of facet expressions to apply to the search query. Each facet expression contains a field name, optionally followed by a comma-separated list of name:value pairs.

Box 3: Filter

The Filter property gets or sets the OData \$filter expression to apply to the search query.

References: <https://docs.microsoft.com/en-us/dotnet/api/microsoft.azure.search.models.searchparameters> <https://docs.microsoft.com/en-us/azure/search/query-lucene-syntax> <https://docs.microsoft.com/en-us/dotnet/api/microsoft.azure.search.models.searchparameters.querytype>

NEW QUESTION 6

HOTSPOT - (Topic 8)

You provisioned an Azure Cosmos DB for NoSQL account named account1 with the default consistency level.

You plan to configure the consistency level on a per request basis The level needs to be set for consistent prefix for read and write operations to account1.

You need to identify the resulting consistency level for read and write operations. Which levels should you configure? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Operation type	Resulting consistency level
Read operations	<div><div></div><div>strong session consistent prefix</div></div>
Write operations	<div><div></div><div>strong session consistent prefix</div></div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Operation type	Resulting consistency level
Read operations	<div><div></div><div>strong session consistent prefix</div></div>
Write operations	<div><div></div><div>strong session consistent prefix</div></div>

NEW QUESTION 7

DRAG DROP - (Topic 8)

Contoso, Ltd. provides an API to customers by using Azure API Management (APIM). The API authorizes users with a JWT token.

You must implement response caching for the APIM gateway. The caching mechanism must detect the user ID of the client that accesses data for a given location and cache the response for that user ID.

You need to add the following policies to the policies file:

- a set-variable policy to store the detected user identity
- a cache-lookup-value policy
- a cache-store-value policy
- a find-and-replace policy to update the response body with the user profile information

To which policy section should you add the policies? To answer, drag the appropriate sections to the correct policies. Each section 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

Policy section

Inbound

Outbound

Answer Area

Policy

Set-variable

Cache-lookup-value

Cache-store-value

Find-and-replace

Policy section

policy section

policy section

policy section

policy section

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Inbound.
A set-variable policy to store the detected user identity. Example:
<policies>
<inbound>
<!-- How you determine user identity is application dependent -->
<set-variable name="enduserid"
value=" @(context.Request.Headers.GetValueOrDefault("Authorization","").Split(' ')[1].AsJwt()?.Subject)" />
Box 2: Inbound
A cache-lookup-value policy Example:
<inbound>
<base />
<cache-lookup vary-by-developer="true | false" vary-by-developer-groups="true | false" downstream-caching-type="none | private | public" must-revalidate="true | false">
<vary-by-query-parameter>parameter name</vary-by-query-parameter> <!-- optional, can repeated several times -->
</cache-lookup>
</inbound>
Box 3: Outbound
A cache-store-value policy. Example:
<outbound>
<base />
<cache-store duration="3600" />
</outbound>
Box 4: Outbound
A find-and-replace policy to update the response body with the user profile information. Example:
<outbound>
<!-- Update response body with user profile-->
<find-and-replace from="\$userprofile\$"
to=" @((string)context.Variables["userprofile"])" />
<base />
</outbound>

NEW QUESTION 8

DRAG DROP - (Topic 8)
You are developing an Azure Function app. The app must meet the following requirements:
? Enable developers to write the functions by using the Rust language.
? Declaratively connect to an Azure Blob Storage account.
You need to implement the app.
Which Azure Function app features should you use? To answer, drag the appropriate features to the correct requirements. Each feature 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.

Features

Custom handler

Extension bundle

Trigger

Runtime

Policy

Hosting plan

Answer Area

Requirement

Feature

Enable developers to write the functions by using the Rust language.

Feature

Declaratively connect to an Azure Blob Storage account.

Feature

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Custom handler
Custom handlers can be used to create functions in any language or runtime by running an HTTP server process, for example Go or Rust.

Box 2: Trigger

Functions are invoked by a trigger and can have exactly one. In addition to invoking the function, certain triggers also serve as bindings. You may also define multiple bindings in addition to the trigger. Bindings provide a declarative way to connect data to your code.

NEW QUESTION 9

- (Topic 8)

An organization deploys Azure Cosmos DB.

You need to ensure that the index is updated as items are created, updated, or deleted. What should you do?

- A. Set the value of the EnableScanInQuery option to True.
- B. Set the indexing mode to Consistent.
- C. Set the indexing mode to Lazy.
- D. Set the value of the automatic property of the indexing policy to False.

Answer: B

NEW QUESTION 10

- (Topic 8)

You are building a web application that performs image analysis on user photos and returns metadata containing objects identified. The image is very costly in terms of time and compute resources. You are planning to use Azure Redis Cache so duplicate uploads do not need to be reprocessed.

In case of an Azure data center outage, metadata loss must be kept to a minimum. You need to configure the Azure Redis cache instance.

Which two actions should you perform?

- A. Configure Azure Redis with rob persistence
- B. Configure second storage account far persistence.
- C. Set backup frequency to the minimum value.
- D. Configure Azure Redis with AOF persistence

Answer: BC

NEW QUESTION 10

- (Topic 8)

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 are developing an Azure solution to collect point-of-sale (POS) device data from 2,000 stores located throughout the world. A single device can produce 2 megabytes (MB) of data every 24 hours. Each store location has one to five devices that send data.

You must store the device data in Azure Blob storage. Device data must be correlated based on a device identifier. Additional stores are expected to open in the future.

You need to implement a solution to receive the device data.

Solution: Provision an Azure Event Hub. Configure the machine identifier as the partition key and enable capture.

- A. Yes
- B. No

Answer: A

Explanation:

References:

<https://docs.microsoft.com/en-us/azure/event-hubs/event-hubs-programming-guide>

NEW QUESTION 13

DRAG DROP - (Topic 8)

A web service provides customer summary information for e-commerce partners. The web service is implemented as an Azure Function app with an HTTP trigger. Access to the API is provided by an Azure API Management instance. The API Management instance is configured in consumption plan mode. All API calls are authenticated by using OAuth.

API calls must be cached. Customers must not be able to view cached data for other customers.

You need to configure API Management policies for caching. How should you complete the policy statement?

Targets

Expect

Public

Private

Internal

External

Authorization

Answer Area

```
<policies>
<inbound>
<base />
<cache-lookup caching-type="Target" downstream-caching-type = "Target" >
  <vary-by-header>
    Target
  </vary-by-header>
</cache-lookup>
</inbound>
</policies>
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: internal caching-type
Choose between the following values of the attribute:
? internal to use the built-in API Management cache,
? external to use the external cache as Azure Cache for Redis
? prefer-external to use external cache if configured or internal cache otherwise.

Box 2: private downstream-caching-type
This attribute must be set to one of the following values.
? none - downstream caching is not allowed.
? private - downstream private caching is allowed.
? public - private and shared downstream caching is allowed.

Box 3: Authorization
<vary-by-header>Authorization</vary-by-header>
<!-- should be present when allow-private-response-caching is "true"-->

Note: Start caching responses per value of specified header, such as Accept, Accept- Charset, Accept-Encoding, Accept-Language, Authorization, Expect, From, Host, If-Match

NEW QUESTION 14

DRAG DROP - (Topic 8)
You are developing an ASP.NET Core website that can be used to manage photographs which are stored in Azure Blob Storage containers. Users of the website authenticate by using their Azure Active Directory (Azure AD) credentials. You implement role-based access control (RBAC) role permissions on the containers that store photographs. You assign users to RBAC roles. You need to configure the website's Azure AD Application so that user's permissions can be used with the Azure Blob containers. How should you configure the application? To answer, drag the appropriate setting to the correct location. Each setting can 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.

Settings

client_id

profile

delegated

application

user_impersonation

Answer Area

API	Permission	Type
Azure Storage	Setting	Setting
Microsoft Graph	User.Read	Setting

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: user_impersonation
Box 2: delegated Example:
* 1. Select the API permissions section
* 2. Click the Add a permission button and then: Ensure that the My APIs tab is selected
* 3. In the list of APIs, select the API TodoListService-aspnetcore.
* 4. In the Delegated permissions section, ensure that the right permissions are checked: user_impersonation.
* 5. Select the Add permissions button.
Box 3: delegated Example
* 1. Select the API permissions section
* 2. Click the Add a permission button and then, Ensure that the Microsoft APIs tab is selected
* 3. In the Commonly used Microsoft APIs section, click on Microsoft Graph
* 4. In the Delegated permissions section, ensure that the right permissions are checked: User.Read. Use the search box if necessary.
* 5. Select the Add permissions button

NEW QUESTION 15

HOTSPOT - (Topic 8)
You develop new functionality in a web application for a company that provides access to seismic data from around the world. The seismic data is stored in Redis Streams within an Azure Cache for Redis instance. The new functionality includes a real-time display of seismic events as they occur. You need to implement the Azure Cache for Redis command to receive seismic data.
How should you complete the command? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area

XREAD

XLEN

XREAD

XRANGE

BLOCK 0

BLOCK 0

COUNT 0

BLOCK -1

COUNT -1

STREAMS seismicData

\$

(&

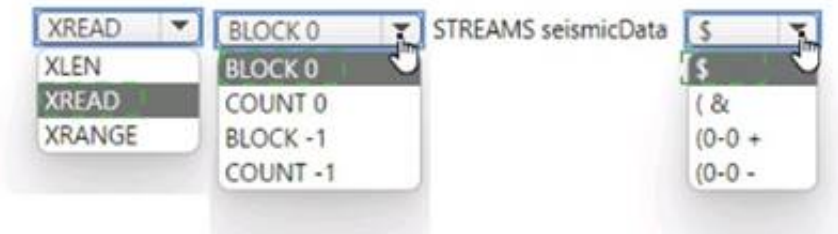
(0-0 +

(0-0 -

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:
Answer Area



NEW QUESTION 18

- (Topic 8)

Your company is designing an application named App1 that will use data from Azure SQL Database. App1 will be accessed over the internet by many users. You need to recommend a solution for improving the performance of App1. What should you include in the recommendation?

- A. Azure HPC cache
- B. ExpressRoute
- C. a CON profile
- D. Azure Cache for Redis

Answer: D

NEW QUESTION 23

HOTSPOT - (Topic 8)

You have an Azure Web app that uses Cosmos DB as a data store. You create a CosmosDB container by running the following PowerShell script:

```
$resourceGroupName = "testResourceGroup"
$accountName = "testCosmosAccount"
$databaseName = "testDatabase"
$containerName = "testContainer"
$partitionKeyPath = "/EmployeeId"
$autoscaleMaxThroughput = 5000 New-AzCosmosDBSqlContainer
-ResourceGroupName $resourceGroupName
-AccountName $accountName
-DatabaseName $databaseName
-Name $containerName
-PartitionKeyKind Hash
-PartitionKeyPath $partitionKeyPath
-AutoscaleMaxThroughput $autoscaleMaxThroughput
```

You create the following queries that target the container:

```
SELECT * FROM c WHERE c.EmployeeId > '12345'
SELECT * FROM c WHERE c.UserID = '12345'
```

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

NOTE:Each correct selection is worth one point.

	Yes	No
The minimum throughput for the container is 400 R/Us.	<input type="radio"/>	<input type="radio"/>
The first query statement is an in-partition query.	<input type="radio"/>	<input type="radio"/>
The second query statement is a cross-partition query.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: No

You set the highest, or maximum RU/s Tmax you don't want the system to exceed. The system automatically scales the throughput T such that 0.1* Tmax <= T <= Tmax.

In this example we have autoscaleMaxThroughput = 5000, so the minimum throughput for the container is 500 R/Us.

Box 2: No

First query:SELECT * FROM c WHERE c.EmployeeId > '12345'

Here's a query that has a range filter on the partition key and won't be scoped to a single physical partition. In order to be an in-partition query, the query must have an equality filter that includes the partition key:

```
SELECT * FROM c WHERE c.DeviceId > 'XMS-0001'
```

Box 3: Yes

Example of In-partition query:

Consider the below query with an equality filter on DeviceId. If we run this query on a container partitioned on DeviceId, this query will filter to a single physical partition.

```
SELECT * FROM c WHERE c.DeviceId = 'XMS-0001'
```

NEW QUESTION 28

- (Topic 8)

You develop Azure Durable Functions to manage vehicle loans. The loan process includes multiple actions that must be run in a specified order. One of the actions includes a customer credit check process, which may require multiple days to process. You need to implement Azure Durable Functions for the loan process. Which Azure Durable Functions type should you use?

- A. orchestrator
- B. client
- C. activity
- D. entity

Answer: A

NEW QUESTION 33

HOTSPOT - (Topic 8)

You are developing a solution by using the Azure Event Hubs SDK. You create a standard Azure Event Hub with 16 partitions. You implement eight event processor clients. You must balance the load dynamically when an event processor client fails. When an event processor client fails, another event processor must continue processing from the exact point at which the failure occurred. All events must be aggregate and upload to an Azure Blob storage account. You need to implement event processing recovery for the solution. Which SDK features should you use? To answer, select the appropriate options in the answer area. Each correct selection is worth one point.

Requirement	Feature
Ensure that event process clients mark the position within an event sequence.	<div><div>▼</div><div>Offset</div><div>Checkpoint</div><div>Namespace</div><div>Capture</div></div>
Mark the event processor client position within a partition event sequence.	<div><div>▼</div><div>Offset</div><div>Checkpoint</div><div>Namespace</div><div>Capture</div></div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Requirement	Feature
Ensure that event process clients mark the position within an event sequence.	<div><div>▼</div><div>Offset</div><div>Checkpoint</div><div>Namespace</div><div>Capture</div></div>
Mark the event processor client position within a partition event sequence.	<div><div>▼</div><div>Offset</div><div>Checkpoint</div><div>Namespace</div><div>Capture</div></div>

NEW QUESTION 34

- (Topic 8)

A company maintains multiple web and mobile applications. Each application uses custom in-house identity providers as well as social identity providers. You need to implement single sign-on (SSO) for all the applications. What should you do?

- A. Use Azure Active Directory B2C (Azure AD B2C) with custom policie
- B. Most Voted
- C. Use Azure Active Directory B2B (Azure AD B2B) and enable external collaboration.
- D. Use Azure Active Directory B2C (Azure AD B2C) with user flows.
- E. Use Azure Active Directory B2B (Azure AD B2B).

Answer: A

Explanation:

<https://docs.microsoft.com/en-us/azure/active-directory-b2c/custom-policy-reference-sso>

NEW QUESTION 38

- (Topic 8)

You are developing an application that uses Azure Blob storage.

The application must read the transaction logs of all the changes that occur to the blobs and the blob metadata in the storage account for auditing purposes. The changes must be in the order in which they occurred, include only create, update, delete, and copy operations and be retained for compliance reasons.

You need to process the transaction logs asynchronously. What should you do?

- A. Process all Azure Blob storage events by using Azure Event Grid with a subscriber Azure Function app.
- B. Enable the change feed on the storage account and process all changes for available events.
- C. Process all Azure Storage Analytics logs for successful blob events.
- D. Use the Azure Monitor HTTP Data Collector API and scan the request body for successful blob events.

Answer: B

Explanation:

Change feed support in Azure Blob Storage

The purpose of the change feed is to provide transaction logs of all the changes that occur to the blobs and the blob metadata in your storage account. The change feed provides ordered, guaranteed, durable, immutable, read-only log of these changes. Client applications can read these logs at any time, either in streaming or in batch mode. The change feed enables you to build efficient and scalable solutions that process change events that occur in your Blob Storage account at a low cost.

Reference:

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-change-feed>

NEW QUESTION 43

- (Topic 8)

You are developing a solution that will use a multi-partitioned Azure Cosmos DB database. You plan to use the latest Azure Cosmos DB SDK for development.

The solution must meet the following requirements:

? Send insert and update operations to an Azure Blob storage account.

? Process changes to all partitions immediately.

? Allow parallelization of change processing.

You need to process the Azure Cosmos DB operations.

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

NOTE:Each correct selection is worth one point.

- A. Create an Azure App Service API and implement the change feed estimator of the SD
- B. Scale the API by using multiple Azure App Service instances.
- C. Create a background job in an Azure Kubernetes Service and implement the change feed feature of the SDK.
- D. Create an Azure Function to use a trigger for Azure Cosmos D
- E. Configure the trigger to connect to the container.
- F. Create an Azure Function that uses a FeedIterator object that processes the change feed by using the pull model on the container
- G. Use a FeedRange object to parallelize the processing of the change feed across multiple functions.

Answer: CD

Explanation:

Azure Functions is the simplest option if you are just getting started using the change feed. Due to its simplicity, it is also the recommended option for most change feed use cases. When you create an Azure Functions trigger for Azure Cosmos DB, you select the container to connect, and the Azure Function gets triggered whenever there is a change in the container. Because Azure Functions uses the change feed processor behind the scenes, it automatically parallelizes change processing across your container's partitions.

Note: You can work with change feed using the following options:

? Using change feed with Azure Functions

? Using change feed with change feed processor

Reference:

<https://docs.microsoft.com/en-us/azure/cosmos-db/read-change-feed>

<https://docs.microsoft.com/en-us/azure/cosmos-db/change-feed-pull-model> <https://docs.microsoft.com/en-us/azure/cosmos-db/read-change-feed#azure-functions>

<https://docs.microsoft.com/en-us/azure/cosmos-db/change-feed-pull-model#using-feedrange-for-parallelization>

NEW QUESTION 46

- (Topic 8)

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 are developing an Azure Service application that processes queue data when it receives a message from a mobile application. Messages may not be sent to the service consistently.

You have the following requirements:

? Queue size must not grow larger than 80 gigabytes (GB).

? Use first-in-first-out (FIFO) ordering of messages.

? Minimize Azure costs.

You need to implement the messaging solution.

Solution: Use the .Net API to add a message to an Azure Storage Queue from the mobile application. Create an Azure Function App that uses an Azure Storage Queue trigger.

Does the solution meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

Create an Azure Function App that uses an Azure Service Bus Queue trigger. Reference:
<https://docs.microsoft.com/en-us/azure/azure-functions/functions-create-storage-queue-triggered-function>

NEW QUESTION 47

HOTSPOT - (Topic 8)

You plan to implement an Azure Functions app.

The Azure Functions app has the following requirements:

- Must be triggered by a message placed in an Azure Storage queue.
- Must use the queue name set by an app setting named input-queue.
- Must create an Azure Blob Storage named the same as the content of the message.

You need to identify how to reference the queue and blob name in the function. Just file of the Azure Functions app.

How should you reference the names? To answer, select the appropriate values in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

Reference type	Value
Queue name	<div>%input_queue% input_queue {input_queue} %input_queue%</div>
Blob name	<div>{input_queue}/{id} {queueTrigger} {input_queue}/{id} %input_queue%/{filename}</div>

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Reference type	Value
Queue name	<div>%input_queue% input_queue {input_queue} %input_queue%</div>
Blob name	<div>{input_queue}/{id} {queueTrigger} {input_queue}/{id} %input_queue%/{filename}</div>

NEW QUESTION 49

- (Topic 8)

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.

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You must store the device data in Azure Blob storage. Device data must be correlated based on a device identifier. Additional stores are expected to open in the future.

You need to implement a solution to receive the device data.

Solution: Provision an Azure Event Grid. Configure the machine identifier as the partition key and enable capture.

Does the solution meet the goal?

- A. Yes
B. No

Answer: A

Explanation:

Reference:
<https://docs.microsoft.com/en-us/azure/event-grid/compare-messaging-services>

NEW QUESTION 54

DRAG DROP - (Topic 8)

You develop and deploy an Azure App Service ---- app. The web app accesses data in an Azure SQL database

You must update the web app to store frequently used data m a new Azure Cache for Redis Premium instance.

You need to implement the Azure Cache for Redis features.

Which feature should you implement? To answer, drag the appropriate feature to the correct requirements. Each feature may be used once, more than once, or not at all. You may need to scroll to view content.

NOTE: Each correct selection is worth one point.

Features	Requirement	Feature
horizontal partitionin	Create a data structure for storing collections of related items.	
channel	Create a data structure for storing the most recently accessed cache items.	
list	Send messages through a high-performance publisher/subscriber mechanism.	
set		

- A. Mastered
 B. Not Mastered

Answer: A

Explanation:

Features	Requirement	Feature
horizontal partitionin	Create a data structure for storing collections of related items.	set
channel	Create a data structure for storing the most recently accessed cache items.	list
list	Send messages through a high-performance publisher/subscriber mechanism.	channel
set		

NEW QUESTION 56

HOTSPOT - (Topic 8)

You are debugging an application that is running on Azure Kubernetes cluster named cluster1. The cluster uses Azure Monitor for containers to monitor the cluster.

The application has sticky sessions enabled on the ingress controller.

Some customers report a large number of errors in the application over the last 24 hours. You need to determine on which virtual machines (VMs) the errors are occurring.

How should you complete the Azure Monitor query? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

```
let startTimestamp = 
| 
| where ClusterName == "Cluster1"
| 
| top ContainerID
| union ContainerID
| sample ContainerID
| distinct ContainerID
ContainerLog
| 
| fork containerIDs
| where ContainerID in (ContainerIDs)
| restrict ContainerID in (ContainerIDs)
| join ContainerID == ContainerIDs.ContainerID
| where TimeGenerated > startTimestamp
| where LogEntrySource == "stderr"
| 
| project by Computer
| summarize by Computer
| partition count() by Computer
| summarize count() by Computer
```

- A. Mastered
 B. Not Mastered

Answer: A

Explanation:

Box 1: ago(1d)

Box 2: distinct containerID

Box 3: where ContainerID in (ContainerIDs)

Box 4: summarize Count by Computer Summarize: aggregate groups of rows

Use summarize to identify groups of records, according to one or more columns, and apply aggregations to them. The most common use of summarize is count, which returns the number of results in each group.

NEW QUESTION 58

- (Topic 8)

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 are developing an Azure solution to collect point-of-sale (POS) device data from 2,000 stores located throughout the world. A single device can produce 2 megabytes (MB) of data every 24 hours. Each store location has one to five devices that send data.

You must store the device data in Azure Blob storage. Device data must be correlated based on a device identifier. Additional stores are expected to open in the future.

You need to implement a solution to receive the device data.

Solution: Provision an Azure Service Bus. Configure a topic to receive the device data by using a correlation filter.

Does the solution meet the goal?

A. Yes

B. No

Answer: A

Explanation:

A message is raw data produced by a service to be consumed or stored elsewhere. The Service Bus is for high-value enterprise messaging, and is used for order processing and financial transactions.

Reference:

<https://docs.microsoft.com/en-us/azure/event-grid/compare-messaging-services>

NEW QUESTION 63

DRAG DROP - (Topic 8)

You are developing a microservices solution. You plan to deploy the solution to a multinode Azure Kubernetes Service (AKS) cluster.

You need to deploy a solution that includes the following features:

? reverse proxy capabilities

? configurable traffic routing

? TLS termination with a custom certificate

Which components should you use? To answer, drag the appropriate components to the correct requirements. Each component 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.

A. Mastered

B. Not Mastered

Answer: A

Explanation:

Box 1: Helm

To create the ingress controller, use Helm to install nginx-ingress.

Box 2: kubectl

To find the cluster IP address of a Kubernetes pod, use the kubectl get pod command on your local machine, with the option -o wide .

Box 3: Ingress Controller

An ingress controller is a piece of software that provides reverse proxy, configurable traffic routing, and TLS termination for Kubernetes services. Kubernetes ingress resources are used to configure the ingress rules and routes for individual Kubernetes services.

NEW QUESTION 66

HOTSPOT - (Topic 8)

You are building a website to access project data related to terms within your organization. The website does not allow anonymous access. Authentication performed using an Azure Active Directory (Azure AD) app named internal.

The website has the following authentication requirements:

- Azure AD users must be able to login to the website.

- Personalization of the website must be based on membership in Active Directory groups. You need to configure the application's manifest to meet the authentication requirements.

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

```
{
  ...
  "appId": "d61126e3-089b-4adb-b721-d5023213df7d",
  [Box 1] : "All",
  "optionalClaims": [
    "groupMembershipClaims"
  ],
  [Box 2] : true,
  "allowPublicClient": false,
  "oauth2Permissions": [
    "requiredResourceAccess"
  ],
  "oauth2AllowImplicitFlow": true,
  ...
}
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: groupMembershipClaims

Personalization of the website must be based on membership in Active Directory groups. Group claims can also be configured in the Optional Claims section of the Application Manifest. Enable group membership claims by changing the groupMembershipClaim The valid values are:

- "All"
- "SecurityGroup"
- "DistributionList"
- "DirectoryRole"

Here we need to mention that we want to get the groups for the users. Hence we need to mention to set the groupMembershipClaims property to All.

Box 2: oauth2AllowImplicitFlow

Azure AD users must be able to login to the website.

auth2Permissions can only accept collections value like an array, not a boolean. oauth2AllowImplicitFlow accepts boolean value.

Here from the list of options given, if we want the application to fetch the required tokens , we would need to allow Implicit Flow.

NEW QUESTION 67

- (Topic 8)

You are developing a mobile instant messaging app for a company. The mobile app must meet the following requirements:

- Support offline data sync.
- Update the latest messages during normal sync cycles. You need to implement Offline Data Sync.

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

- A. Retrieve records from Offline Data Sync on every call to the PullAsync method.
- B. Retrieve records from Offline Data Sync using an Incremental Sync.
- C. Push records to Offline Data Sync using an Incremental Sync.
- D. Return the updatedAt column from the Mobile Service Backend and implement sorting by using the column.
- E. Return the updatedAt column from the Mobile Service Backend and implement sorting by the message id.

Answer: BE

Explanation:

B: Incremental Sync: the first parameter to the pull operation is a query name that is used only on the client. If you use a non-null query name, the Azure Mobile SDK performs an incremental sync. Each time a pull operation returns a set of results, the latest updatedAt timestamp from that result set is stored in the SDK local system tables. Subsequent pull operations retrieve only records after that timestamp.

E (not D): To use incremental sync, your server must return meaningful updatedAt values and must also support sorting by this field. However, sincethe SDK adds its own sort on the updatedAt field, you cannot use a pull query that has its own orderBy clause.

References:

<https://docs.microsoft.com/en-us/azure/app-service-mobile/app-service-mobile-offline-data- sync>

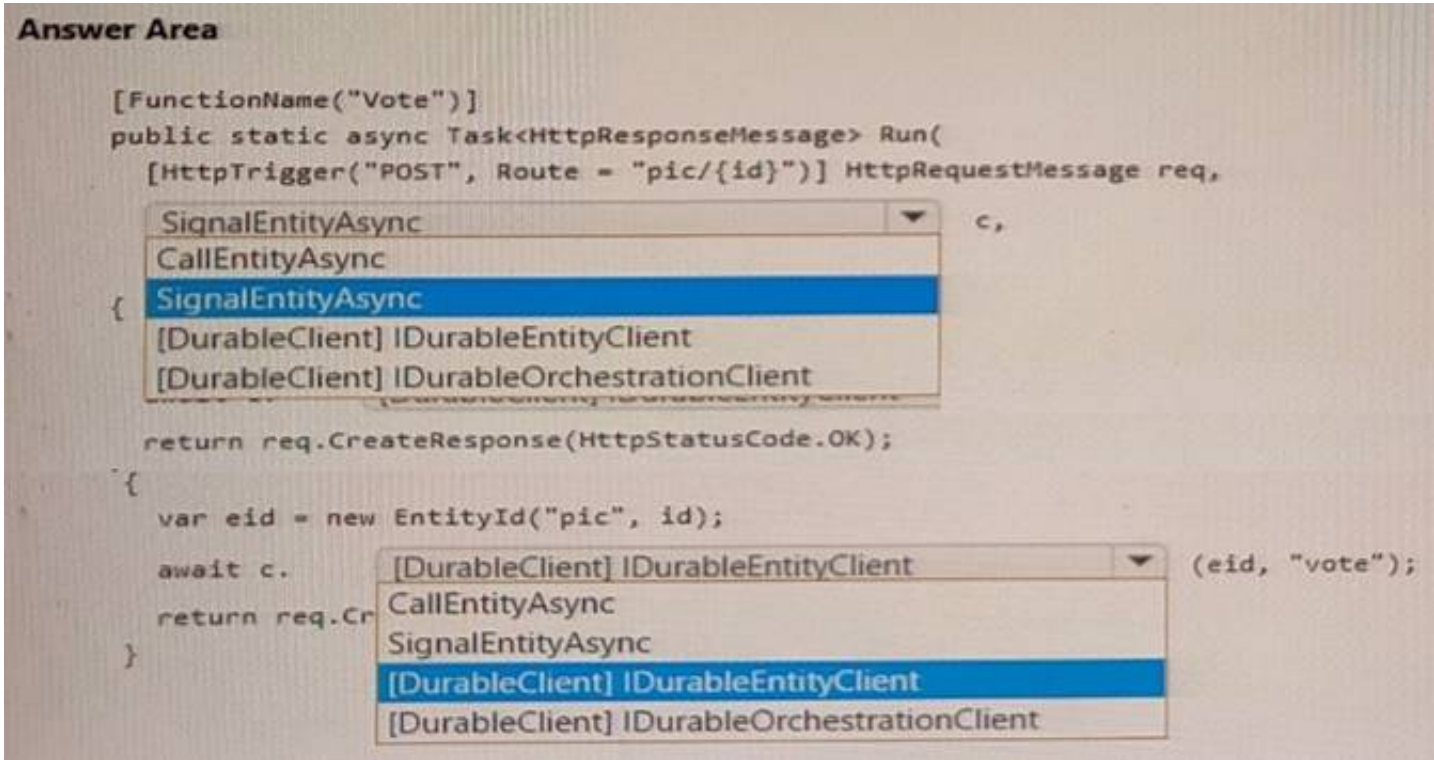
NEW QUESTION 71

HOTSPOT - (Topic 8)

You are developing an online game that allows players to vote for their favorite photo that illustrates a word. The game is built by using Azure Functions and uses durable entities to track the vote count

The voting window is 30 seconds. You must minimize latency. You need to implement the Azure Function for voting.

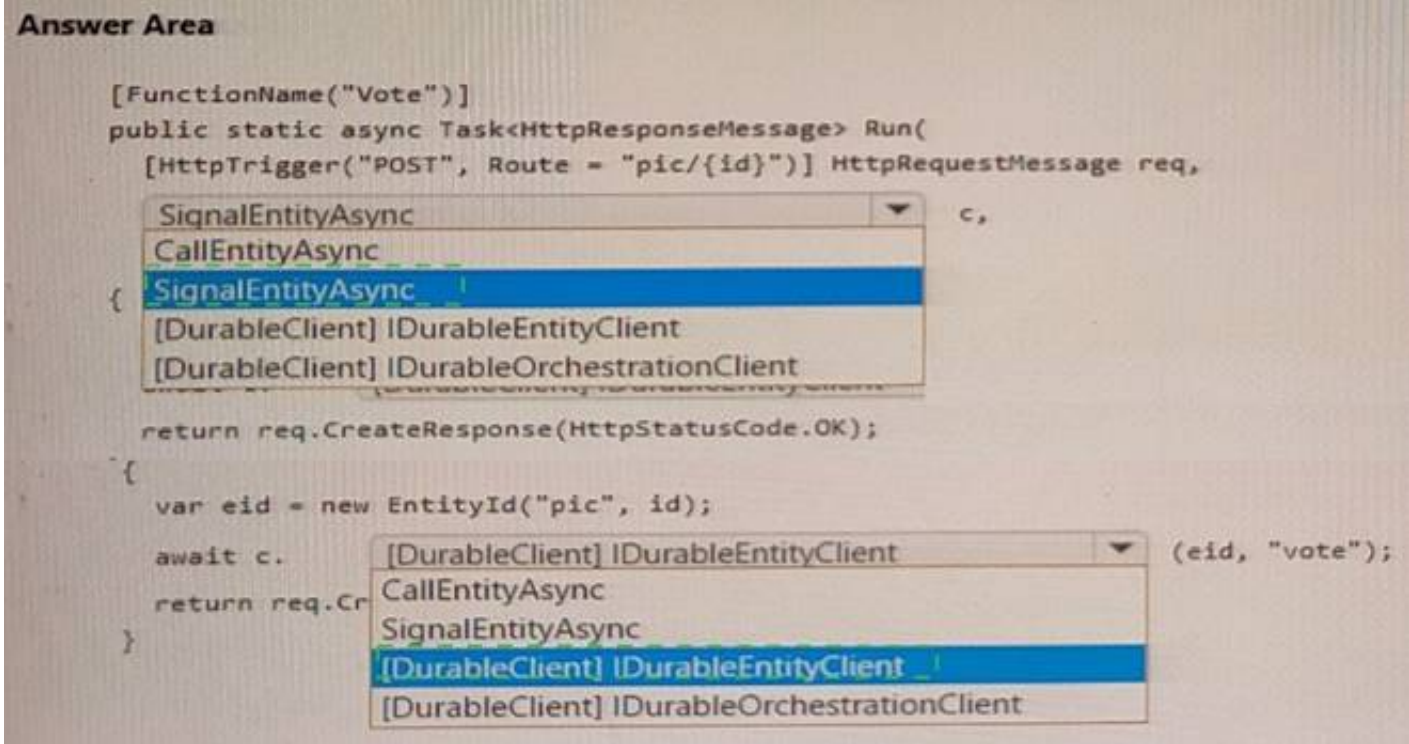
How should you complete the code? To answer, select the appropriate options in the answer area.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 74

- (Topic 8)

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 develop a software as a service (SaaS) offering to manage photographs. Users upload photos to a web service which then stores the photos in Azure Storage Blob storage. The storage account type is General-purpose V2.

When photos are uploaded, they must be processed to produce and save a mobile-friendly version of the image. The process to produce a mobile-friendly version of the image must start in less than one minute.

You need to design the process that starts the photo processing.

Solution: Convert the Azure Storage account to a BlockBlobStorage storage account. Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Not necessary to convert the account, instead move photo processing to an Azure Function triggered from the blob upload..

Azure Storage events allow applications to react to events. Common Blob storage event scenarios include image or video processing, search indexing, or any file-oriented workflow.

Note: Only storage accounts of kind StorageV2 (general purpose v2) and BlobStorage support event integration. Storage (general purpose v1) does not support integration with Event Grid.

Reference:

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-event-overview>

NEW QUESTION 76

- (Topic 8)

You develop and deploy a web app to Azure App Service. The Azure App Service uses a Basic plan in a region. Users report that the web app is responding must capture the complete call stack to help performance issues in code. Call stack data must be correlated across app instances. You must minimize cost and impact to users on the web app. You need to capture the telemetry. Which three actions should you perform? Each answer presents part Of the solution NOTE: Each correct selection is worth point

- A. Enable Application Insights site extensions.
- B. Enable Profiler.
- C. Restart all apps in the App Service plan.
- D. Enable Snapshot debugger.
- E. Enable remote debugging.
- F. Enable the Always On setting for the app service.
- G. Upgrade the Azure App Service plan to Premium

Answer: CDF

NEW QUESTION 79

HOTSPOT - (Topic 8)

You are developing an application that runs in several customer Azure Kubernetes Service clusters, within each cluster, a pod runs that collects performance data to be analyzed later, a large amount of data is collected so saving latency must be minimized

The performance data must be stored so that pod restarts do not impact the stored data. Write latency should be minimized.

You need to configure blob storage.

How should you complete the YAML configuration? To answer, select the appropriate options in the answer area.

```
apiVersion: storage.k8s.io/v1
kind: 
metadata: PodStorage
StorageClass
PersistentVolume
PersistentVolumeClaim

name: data-store
provisioner: kubernetes.io, 
azure-disk
azure-file
portworx-volume
scaleio

parameters:
skuName: Premium_LRS
reclaimPolicy: 
local
retain
delete
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

apiVersion: storage.k8s.io/v1

kind:

metadata:

PodStorage

StorageClass

PersistentVolume

PersistentVolumeClaim

name: data-store

provisioner: kubernetes.io,

azure-disk

azure-file

portworx-volume

scaleio

parameters:

skuName: Premium_LRS

reclaimPolicy:

local

retain

delete

NEW QUESTION 81

- (Topic 8)

You are developing a .Net web application that stores data in Azure Cosmos DB. The application must use the Core API and allow millions of reads and writes. The Azure Cosmos DB account has been created with multiple write region enabled. The application has been deployed to the East US2 and Central US region. You need to update the application to support multi-region writes.

What are two possible ways to achieve this goal? Each correct answer presents parts of the solutions.

NOTE: Each correct selection is worth one point.

- A. Update the ConnectionPolicy class for the Cosmos client and populate the PreferredLocations property based on the geo-proximity of the application.
- B. Update Azure Cosmos DB to use the Strong consistency level
- C. Add indexed properties to the container to indicate region.
- D. Update the ConnectionPolicy class for the Cosmos client and set the UseMultipleWriteLocations property to true.
- E. Create and deploy a custom conflict resolution policy.
- F. Update Azure Cosmos DB to use the Session consistency level
- G. Send the SessionToken property value from the FeedResponse object of the write action to the end- user by using a cookie.

Answer: CD

NEW QUESTION 82

HOTSPOT - (Topic 8)

You are creating a CLI script that creates an Azure web app related services in Azure App Service. The web app uses the following variables:

Variable name	Value
Sgitrepo	https://github.com/Contos/webapp
&webappname	Webapp1103

You need to automatically deploy code from GitHub to the newly created web app.

How should you complete the script? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

az group create - -location westeurope - -name myResourceGroup

▼

- -name \$webappname - -resource-group myResourceGroup - -sku FREE

az webapp create

az appservice plan create

az webapp deployment

az group delete

▼

- -name \$webappname - -resource-group myResourceGroup

az webapp create

az appservice plan create

az webapp deployment

az group delete

▼

- -repo-url \$gitrepo - -branch master - -manual-integration

git clone \$gitrepo

- -plan \$webappname

▼

source config - -name \$webappname

az webapp create

az appservice plan create

az webapp deployment

az group delete

▼

- -resource-group myResourceGroup

- -repo-url \$gitrepo - -branch master - -manual-integration

git clone \$gitrepo

- -plan \$webappname

A. Mastered
 B. Not Mastered

Answer: A

Explanation:

Box 1: az appservice plan create

The azure group creates command successfully returns JSON result. Now we can use resource group to create a azure app service plan

Box 2: az webapp create Create a new web app..

Box 3: --plan \$webappname

with the serviceplan we created in step 1.

Box 4: az webapp deployment

Continuous Delivery with GitHub. Example:

az webapp deployment source config --name firstsamplewebsite1 --resource-group websites--repo-url \$gitrepo --branch master --git-token \$token

Box 5: --repo-url \$gitrepo --branch master --manual-integration

NEW QUESTION 84

- (Topic 8)

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 are developing an Azure Service application that processes queue data when it receives a message from a mobile application. Messages may not be sent to the service consistently.

You have the following requirements:

? Queue size must not grow larger than 80 gigabytes (GB).

? Use first-in-first-out (FIFO) ordering of messages.

? Minimize Azure costs.

You need to implement the messaging solution.

Solution: Use the .Net API to add a message to an Azure Service Bus Queue from the mobile application. Create an Azure Function App that uses an Azure Service Bus Queue trigger.

Does the solution meet the goal?

A. Yes
 B. No

Answer: A

Explanation:

You can create a function that is triggered when messages are submitted to an Azure Storage queue.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-functions/functions-create-storage-queue-triggered-function>

NEW QUESTION 86

- (Topic 8)

You must implement Application Insights instrumentation capabilities utilizing the Azure Mobile Apps SDK to provide meaningful analysis of user interactions with a mobile app.

You need to capture the data required to implement the Usage Analytics feature of Application Insights. Which three data values should you capture? Each correct answer presents part of the solution

NOTE: Each correct selection is worth one point.

A. Trace
 B. Session Id

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- C. Exception
- D. User Id
- E. Events

Answer: ADE

Explanation:

Application Insights is a service for monitoring the performance and usage of your apps. This module allows you to send telemetry of various kinds (events, traces, etc.) to the Application Insights service where your data can be visualized in the Azure Portal.

Application Insights manages the ID of a session for you. References:

<https://github.com/microsoft/ApplicationInsights-Android>

NEW QUESTION 91

- (Topic 8)

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 question, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

Margie's Travel is an international travel and bookings management service. The company is expanding into restaurant bookings. You are tasked with implementing Azure Search for the restaurants listed in their solution.

You create the index in Azure Search.

You need to import the restaurant data into the Azure Search service by using the Azure Search .NET SDK.

Solution:

- * 1. Create a SearchIndexClient object to connect to the search index.
- * 2. Create a DataContainer that contains the documents which must be added.
- * 3. Create a DataSource instance and set its Container property to the DataContainer.
- * 4. Call the Documents.Suggest method of the SearchIndexClient and pass the DataSource.

Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Use the following method:

- * 1.- Create a SearchIndexClient object to connect to the search index
- * 2.- Create an IndexBatch that contains the documents which must be added.
- * 3.- Call the Documents.Index method of the SearchIndexClient and pass the IndexBatch.

References:

<https://docs.microsoft.com/en-us/azure/search/search-howto-dotnet-sdk>

NEW QUESTION 92

- (Topic 8)

You are a developer for a SaaS company that offers many web services. All web services for the company must meet the following requirements:

? Use API Management to access the services

? Use OpenID Connect for authentication

? Prevent anonymous usage

A recent security audit found that several web services can be called without any authentication.

Which API Management policy should you implement?

- A. jsonp
- B. authentication-certificate
- C. check-header
- D. validate-jwt

Answer: D

Explanation:

Add the validate-jwt policy to validate the OAuth token for every incoming request. Reference:

<https://docs.microsoft.com/en-us/azure/api-management/api-management-howto-protect-backend-with-aad>

NEW QUESTION 94

DRAG DROP - (Topic 8)

You are a developer for a Software as a Service (SaaS) company. You develop solutions that provide the ability to send notifications by using Azure Notification Hubs.

You need to create sample code that customers can use as a reference for how to send raw notifications to Windows Push Notification Services (WNS) devices.

The sample code must not use external packages.

How should you complete the code segment? 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

raw

windows

windowsphone

application/xml

application/json

application/octet-stream

Answer Area

```

var endpoint = "...";
var payload = "...";
var request = new HttpRequestMessage(HttpMethod.Post, endpoint);
request.Headers.Add("X-WNS-Type", "wns/raw");
request.Headers.Add("ServiceBusNotification-Format", "


Code segment

");
request.Content = new StringContent(payload, Encoding.UTF8, "


Code segment

");
var client = new HttpClient();
await client.SendAsync(request);
                    
```

- A. Mastered
 B. Not Mastered

Answer: A

Explanation:

Box 1: windows Example code:

```

var request = new HttpRequestMessage(method, $"{resourceUri}?api-version=2017-04"); request.Headers.Add("Authorization", createToken(resourceUri, KEY_NAME, KEY_VALUE));
request.Headers.Add("X-WNS-Type", "wns/raw"); request.Headers.Add("ServiceBusNotification-Format", "windows"); return request;
                    
```

Box 2: application/octet-stream

Example code capable of sending a raw notification: string resourceUri =

```

$"https://{NH_NAMESPACE}.servicebus.windows.net/{HUB_NAME}/messages/"; using (var request = CreateHttpRequest(HttpMethod.Post, resourceUri))
{
    request.Content = new StringContent(content, Encoding.UTF8,"application/octet-stream"); request.Content.Headers.ContentType.CharSet = string.Empty;
    var httpClient = new HttpClient();
    var response = await httpClient.SendAsync(request); Console.WriteLine(response.StatusCode);
}
                    
```

NEW QUESTION 97

- (Topic 8)

You are developing several Azure API Management (APIM) hosted APIs.

You must transform the APIs to hide private backend information and obscure the technology stack used to implement the backend processing.

You need to protect all APIs. What should you do?

- A. Configure and apply a new inbound policy scoped to a product.
 B. Configure and apply a new outbound policy scoped to the operation.
 C. Configure and apply a new outbound policy scoped to global.
 D. Configure and apply a new backend policy scoped to global.

Answer: A

NEW QUESTION 99

- (Topic 8)

You deploy an API to API Management

You must secure all operations on the API by using a client certificate.

You need to secure access to the backend service of the API by using client certificates. Which two security features can you use?

- A. Azure AD token
 B. Self-signed certificate
 C. Certificate Authority (CA) certificate
 D. Triple DES (3DES) cipher
 E. Subscription key

Answer: BC

NEW QUESTION 104

- (Topic 8)

You deploy an Azure App Service web app. You create an app registration for the app in Azure Active Directory (Azure AD) and Twitter. the app must authenticate users and must use SSL for all communications. The app must use Twitter as the identity provider. You need to validate the Azure AD request in the app code.

What should you validate?

- A. HTTP response code
 B. ID token header
 C. ID token signature
 D. Tenant ID

Answer: B

NEW QUESTION 106

HOTSPOT - (Topic 8)

You are developing an application to store and retrieve data in Azure Blob storage. The application will be hosted in an on-premises virtual machine (VM). The VM is connected to Azure by using a Site-to-Site VPN gateway connection. The application is secured by using Azure Active Directory (Azure AD) credentials.

The application must be granted access to the Azure Blob storage account with a start time, expiry time, and read permissions. The Azure Blob storage account

access must use the Azure AD credentials of the application to secure data access. Data access must be able to be revoked if the client application security is breached.
You need to secure the application access to Azure Blob storage.
Which security features should you use? To answer select the appropriate options in the answer area.
NOTE:Each correct selection is worth one point.

Component	Security Feature
Application (Client)	<div><div></div><div>Storage Account Access Key</div><div>System-assigned Managed Identity</div><div>Shared access signature (SAS) token</div></div>
Azure Storage (Server)	<div><div></div><div>Stored Access Policy</div><div>User-assigned Managed Identity</div><div>Cross-Origin Resource Sharing (CORS)</div></div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Shared access signature (SAS) token
When your application design requires shared access signatures for access to Blob storage, use Azure AD credentials to create a user delegation SAS when possible for superior security.
Box 2: Stored access policy
Stored access policies give you the option to revoke permissions for a service SAS without having to regenerate the storage account keys.
A shared access signature can take one of the following two forms:
? Service SAS with stored access policy. A stored access policy is defined on a resource container, which can be a blob container, table, queue, or file share. The stored access policy can be used to manage constraints for one or more service shared access signatures. When you associate a service SAS with a stored access policy, the SAS inherits the constraints – the start time, expiry time, and permissions – defined for the stored access policy.
? Ad hoc SAS.

NEW QUESTION 109

HOTSPOT - (Topic 8)
You develop several Azure Grid to include hundreds of event types, such as billing, inventory, and shipping updates.
Events must be sent to a single endpoint for the Azure Functions app to process. The events must be filtered by event type before processing. You must have authorization and authentication control to partition your tenants to receive the event data.
You need to configure Azure Event Grid.
Which configuration should you use? To answer, select the appropriate values in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area

Requirement	Configuration Value
Third-party system endpoint to send events	<div><div>system topic</div><div>system topic</div><div>custom topic</div><div>event domain</div><div>event subscription</div></div>
Azure Functions app endpoint to handle filtered events	<div><div>event domain</div><div>system topic</div><div>custom topic</div><div>event domain</div><div>event subscription</div></div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Requirement	Configuration Value
Third-party system endpoint to send events	<div><div>system topic</div><div>system topic</div><div>custom topic</div><div>event domain</div><div>event subscription</div></div>
Azure Functions app endpoint to handle filtered events	<div><div>event domain</div><div>system topic</div><div>custom topic</div><div>event domain</div><div>event subscription</div></div>

NEW QUESTION 111

HOTSPOT - (Topic 8)

You are developing an application that uses a premium block blob storage account. You are optimizing costs by automating Azure Blob Storage access tiers. You apply the following policy rules to the storage account. You must determine the implications of applying the rules to the data. (Line numbers are included for reference only.)

```
01 {
02   "rules":
03   {
04     "name": "agingDataRule",
05     "enabled": true,
06     "type": "Lifecycle",
```

Answer Area

	Yes	No
Block blobs prefixed with container1/salesorders or container2/inventory which have not been modified in over 60 days are moved to cool storage. Blobs that have not been modified in 120 days are moved to the archive tier.	<input type="radio"/>	<input type="radio"/>
Blobs are moved to cool storage if they have not been accessed for 30 days.	<input type="radio"/>	<input checked="" type="radio"/>
Blobs will automatically be tiered from cool back to hot if accessed again after being tiered to cool.	<input type="radio"/>	<input type="radio"/>
All block blobs older than 730 days will be deleted.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

- * 1. Yes
- * 2. Yes
- * 3. Yes
- * 4. No

<https://docs.microsoft.com/en-us/azure/storage/blobs/lifecycle-management-overview?tabs=azure-portal#move-aging-data-to-a-cooler-tier>

NEW QUESTION 116

- (Topic 8)

A company uses Azure SQL Database to store data for an app. The data includes sensitive information.

You need to implement measures that allow only members of the managers group to see sensitive information.

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

- A. Include the managers group.
- B. Exclude the managers group.
- C. Exclude the administrators group.
- D. Navigate to the following URL:
 PUT <https://management.azure.com/subscriptions/00000000-1111-2222-3333-444444444444/resourceGroups/rg01/providers/Microsoft.Sql/servers/server01/databases/customers/transparentDataEncryption/current?api-version=2014-04-01>
- E. Run the following Azure PowerShell command:
 New-AzureRmSqlDatabaseDataMaskingRule -SchemaName "dbo" -TableName "customers" -ColumnName "ssn" -MaskingFunction "Default"

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

Answer: BE

Explanation:

Dynamic data masking helps prevent unauthorized access to sensitive data by enabling customers to designate how much of the sensitive data to reveal with minimal impact on the application layer.

SQL users excluded from masking - A set of SQL users or AAD identities that get unmasked data in the SQL query results.

Note: The New-AzureRmSqlDatabaseDataMaskingRule cmdlet creates a data masking rule for an Azure SQL database.

References:

<https://docs.microsoft.com/en-us/powershell/module/azurerm.sql/new-azurermsqldatabasedatamaskingrule?view=azurermps-6.13.0>

NEW QUESTION 121

HOTSPOT - (Topic 8)

You are a developer building a web site using a web app. The web site stores configuration data in Azure App Configuration. Access to Azure App Configuration

has been configured to use the identity of the web app for authentication. Security requirements specify that no other authentication systems must be used. You need to load configuration data from Azure App Configuration. How should you complete the code? To answer, select the appropriate options in the answer area.

```
public static IHostBuilder CreateHostBuilder(string[] args) =>
{
    Host.CreateDefaultBuilder(args)
        .ConfigureWebHostDefaults(web =>
        {
            web.ConfigureAppConfiguration((hc, config) =>
            {
                var settings = config.Build();
                config. (options =>
                {
                    AddAzureKeyVault
                    DefaultAzureCredential
                    ChainedTokenCredential
                    ManagedIdentityCredential
                    AddAzureAppConfiguration
                })

                options.Connect(new Uri(settings["AppConfig:Endpoint"]),
                new ());
            });
        });
}
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

```
public static IHostBuilder CreateHostBuilder(string[] args) =>
{
    Host.CreateDefaultBuilder(args)
        .ConfigureWebHostDefaults(web =>
        {
            web.ConfigureAppConfiguration((hc, config) =>
            {
                var settings = config.Build();
                config. (options =>
                {
                    AddAzureKeyVault
                    DefaultAzureCredential
                    ChainedTokenCredential
                    ManagedIdentityCredential
                    AddAzureAppConfiguration
                })

                options.Connect(new Uri(settings["AppConfig:Endpoint"]),
                new ());
            });
        });
}
```

NEW QUESTION 124

- (Topic 8)

You are developing a web application that uses the Microsoft identity platform to authenticate users and resources, The web application calls several REST APIs. The APIs require an access token from the Microsoft identity platform. You need to request a token. Which three properties should you use? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. Application name
- B. Application secret
- C. Application ID

- D. Supported account type
- E. Redirect URI/URL

Answer: ABC

NEW QUESTION 125

HOTSPOT - (Topic 8)

You are developing a data storage solution for a social networking app.

The solution requires a mobile app that stores user information using Azure Table Storage. You need to develop code that can insert multiple sets of user information.

How should you complete the code? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

```
CloudStorageAccount storageAccount = CloudStorageAccount.Parse(  
    ConfigurationManager.GetSetting("StorageConnectionString"));  
CloudTableClient tableClient = storageAccount.CreateCloudTableClient();  
CloudTable table = tableClient.GetTableReference("clients");  
Table.CreateIfNotExists();
```

op = new

▼

TableOperation

TableBatchOperaton

TableEntity

TableQuery

() ;

▼

TableOperation

TableBatchOperaton

TableEntity

TableQuery

...

table.

▼

ExecuteBatch

Execute

Insert

InsertOrMerge

(op) ;

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1, Box 2: TableBatchOperation Create the batch operation.

TableBatchOperation op = new TableBatchOperation();

Box 3: ExecuteBatch

/ Execute the batch operation. table.ExecuteBatch(op);

Note: You can insert a batch of entities into a table in one write operation. Some other notes on batch operations:

You can perform updates, deletes, and inserts in the same single batch operation. A single batch operation can include up to 100 entities.

All entities in a single batch operation must have the same partition key.

While it is possible to perform a query as a batch operation, it must be the only operation in the batch.

References:

https://docs.microsoft.com/en-us/azure/cosmos-db/table-storage-how-to-use-dotnet

NEW QUESTION 129

FILL IN THE BLANK - (Topic 8)

You are developing a web application by using the Azure SDK. The web application accesses data m a zone-redundant BlockBlobStorage storage account

The application must determine whether the data has changed since the application last reao the data. Update operations must use the latest data changes when writing data to the storages.....

You need to implement the update operations.

Which values should you use? To answer, select the appropriate option m the answer area.

NOTE Each correct selection is worth one point.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Code evaluation	Value
HTTP Header value	Versionid
Conditional header	If-Match

NEW QUESTION 133

- (Topic 8)

You are creating an app that will use CosmosDB for data storage. The app will process batches of relational data.

You need to select an API for the app. Which API should you use?

- A. MongoDBAPI
- B. Table API
- C. SQL API
- D. Cassandra API

Answer: C

Explanation:

For relational data you will need the SQL API

Reference:

<https://docs.microsoft.com/en-us/azure/cosmos-db/choose-api>

NEW QUESTION 138

- (Topic 8)

You are developing an Azure Function App that runs in an App Service Plan. The Azure Function is triggered by a Timer object. You observe that the Azure Function does not reliably trigger when scheduled. Which two actions should you perform?

- A. Verify that Always On is enabled.
- B. Modify the trigger to use a SignalR trigger.
- C. Ensure that the function has a retry configured.
- D. Modify the trigger to use Consumption mode instead of the App Service plan.

Answer: AC

NEW QUESTION 139

DRAG DROP - (Topic 8)

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:

- ? Reference the Azure Key Vault without requiring any changes to the Java code.
- ? Dynamically add and remove instances of the Azure Functions host based on the number of incoming application events.
- ? Ensure that instances are perpetually warm to avoid any cold starts.
- ? Connect to a VNet.
- ? 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.

Actions	Answer Area
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.	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;"> <div style="font-size: 20px;">></div> </div> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;"> <div style="font-size: 20px;"><</div> </div> </div> <div> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;"> <div style="font-size: 20px;">^</div> </div> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;"> <div style="font-size: 20px;">v</div> </div> </div> </div>
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.	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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.

NEW QUESTION 144

- (Topic 8)

You develop and deploy an Azure App Service web app to a production environment. You enable the Always On setting and the Application Insights site

extensions. You deploy a code update and receive multiple failed requests and exceptions in the web app. You need to validate the performance and failure counts of the web app in near real time. Which Application Insights tool should you use?

- A. Snapshot Debugger
- B. Profiler
- C. Smart Detection
- D. Live Metrics Stream
- E. Application Map

Answer: D

NEW QUESTION 145

- (Topic 8)

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 are developing and deploying several ASP.Net web applications to Azure App Service. You plan to save session state information and HTML output. You must use a storage mechanism with the following requirements:

- Share session state across all ASP.NET web applications
- Support controlled, concurrent access to the same session state data for multiple readers and a single writer
- Save full HTTP responses for concurrent requests You need to store the information.

Proposed Solution: Deploy and configure an Azure Database for PostgreSQL. Update the web applications.

Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Instead deploy and configure Azure Cache for Redis. Update the web applications. Reference:

<https://docs.microsoft.com/en-us/azure/architecture/best-practices/caching#managing-concurrency-in-a-cache>

NEW QUESTION 150

HOTSPOT - (Topic 8)

You are working for Contoso, Ltd.

You define an API Policy object by using the following XML markup:

```
<set-variable name= "bodySize" value="@ (context.Request.Headers["Content-Length"] [0])"/>
<choose>
  <when condition= "@ (int.Parse(context.Variables.GetValueOrDefault<string> ("bodySize"))<512000)">
</when>
<otherwise>
  <rewrite-uri template= "/put"/>
  <set-backend-service base-url= "http://contoso.com/api/9.1/" />
</otherwise>
</choose>
```

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

NOTE:Each correct selection is worth one point.

Statement	Yes	No
The XML segment belongs in the <inbound> section of the policy.	<input type="radio"/>	<input type="radio"/>
If the body size is >256k, an error will occur.	<input type="radio"/>	<input type="radio"/>
If the request is http://contoso.com/api/9.2/, the policy will retain the higher version.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Yes

Use the set-backend-service policy to redirect an incoming request to a different backend than the one specified in the API settings for that operation. Syntax: <set-backend-service base-url="base URL of the backend service" />

Box 2: No

The condition is on 512k, not on 256k.

Box 3: No

The set-backend-service policy changes the backend service base URL of the incoming request to the one specified in the policy.

NEW QUESTION 152

- (Topic 8)

You are developing several microservices to deploy to a Azure Service cluster. The microservices manage data stored in Azure Cosmos DB and Azure Blob storage. The data is secured by using customer-managed keys stored in Aue Key Vault.
You must automate key rotation for all Key Vault keys and allow for manual key rotation. Keys must rotate every three months. Notifications Of expiring keys must be sent before key expiry.
You need to configure key rotation and enable key expiry notifications.
Which two actions should you perform? Each correct answer presents part Of solution. NOTE: Each correct selection is worth

- A. Create and configure a new Azure Event Grid instance.
- B. Create configure a key rotation policy during key creation
- C. Create and assign an Azure Key Vault access
- D. Configure Azure Key Vault

Answer: BD

Explanation:

https://learn.microsoft.com/en-us/azure/key-vault/keys/how-to-configure-key- rotation

NEW QUESTION 157

HOTSPOT - (Topic 8)

You are validating the configuration of an Azure Search indexer.

The service has been configured with an indexer that uses the Import Data option. The index is configured using options as shown in the Index Configuration exhibit. (Click the Index Configuration tab.)

FIELD NAME	TYPE	RETRIEVABLE	INDEXABLE	SORTABLE	FACEABLE	SEARCHABLE
PartitionKey	Edm.String	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
RowKey	Edm.String	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
InStockCount	Edm.Int32	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ItemDescription	Edm.DateTime	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ItemName	Edm.String	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
LocationRow	Edm.Int32	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LocationShelf	Edm.Int32	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SKU	Edm.String	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

You use an Azure table as the data source for the import operation. The table contains three records with item inventory data that matches the fields in the Storage data exhibit. These records were imported when the index was created. (Click the Storage Data tab.) When users search with no filter, all three records are displayed.

PartitionKey	RowKey	Timestamp	InStockCount	ItemDescription	ItemName	LocationRow	LocationShelf	SKU
Food	3	2018-08-25T15:47:26.135Z	32	A box of chocolate candy bars	Choco bar	5	3	123421
Hardware	2	2018-08-25T15:46:08.400Z	2	A bag of bolts	Bolts	1	4	678904
Hardware	1	2018-08-25T15:46:41.400Z	20	A box of nails	Nails	2	1	654365

```

1 {
2   "@odata.context": "https://itemsearch1103search.windows.net/indexes('azuretable-index')/$metadata#docs",
3   "value": []
4 }

```

When users search for items by description, Search explorer returns no records. The Search Explorer exhibit shows the query and results for a test. In the test, a user is trying to search for all items in the table that have a description that contains the word bag. (Click the Search Explorer tab.)

You need to resolve the issue.

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

NOTE: Each correct selection is worth one point.

	Yes	No
You can resolve the issue by recreating the search index with the same settings for all fields except ItemDescription. Select the SEARCHABLE option for this field	<input type="radio"/>	<input type="radio"/>
You can resolve the issue by selecting the index, editing the ItemDescription field, and selecting the SEARCHABLE option for the field.	<input type="radio"/>	<input type="radio"/>
You can resolve the issue by running the indexer.	<input type="radio"/>	<input type="radio"/>
You can resolve the issue by changing the query string in Search explorer to bag of to return the correct results	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Yes
The ItemDescription field in not searchable.
Box 2: No
The ItemDescription field in not searchable, but we would need to recreate the index.
Box 3: Yes
An indexer in Azure Search is a crawler that extracts searchable data and metadata from an external Azure data source and populates an index based on field-to-field mappings between the index and your data source. This approach is sometimes referred to as a 'pull model' because the service pulls data in without you having to write any code that adds data to an index.
Box 4: No References:
<https://docs.microsoft.com/en-us/azure/search/search-what-is-an-index>
<https://docs.microsoft.com/en-us/azure/search/search-indexer-overview>

NEW QUESTION 159

DRAG DROP - (Topic 8)
You develop and deploy several APIs to Azure API Management. You create the following policy fragment named APICounts:

```
<fragment>  
  <emit-metric value="1" namespace="custom-metrics">  
    <dimension name="User ID" />  
    <dimension name="Operation ID" />  
    <dimension name="API ID" />  
    <dimension name="Client IP" value="@(<context.Request.IpAddress>" />  
  </emit-metric>  
</fragment>
```

The policy fragment must be reused across various scopes and APIs. The policy fragment must be applied to all APIs and run when a calling system invokes any API.
You need to implement the policy fragment.
How should you complete the policy segment? To answer, drag the appropriate XML elements to the correct targets. Each XML element 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.

XML elements	Answer Area
<div>name</div>	<pre><policies> <[]> <[] []="APICounts" /> <base /> </[]> . . . </policies></pre>
<div>inbound</div>	
<div>outbound</div>	
<div>set-variable</div>	
<div>fragment-id</div>	
<div>include-fragment</div>	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

<https://learn.microsoft.com/en-us/azure/api-management/include-fragment-policy>

NEW QUESTION 162

- (Topic 8)
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 develop a software as a service (SaaS) offering to manage photographs. Users upload photos to a web service which then stores the photos in Azure Storage

Blob storage. The storage account type is General-purpose V2.

When photos are uploaded, they must be processed to produce and save a mobile-friendly version of the image. The process to produce a mobile-friendly version of the image must start in less than one minute.

You need to design the process that starts the photo processing.

Solution: Use the Azure Blob Storage change feed to trigger photo processing. Does the solution meet the goal?

A. Yes

B. No

Answer: B

Explanation:

The change feed is a log of changes that are organized into hourly segments but appended to and updated every few minutes. These segments are created only when there are blob change events that occur in that hour.

Instead catch the triggered event, so move the photo processing to an Azure Function triggered from the blob upload.

Reference:

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-change-feed> <https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-event-overview>

NEW QUESTION 165

HOTSPOT - (Topic 8)

A company is developing a Java web app. The web app code is hosted in a GitHub repository located at <https://github.com/Contoso/webapp>.

The web app must be evaluated before it is moved to production. You must deploy the initial code release to a deployment slot named staging.

You need to create the web app and deploy the code.

How should you complete the commands? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

```
gitrepo=https://github.com/Contoso/webapp
webappname=businesswebapp
resourcegroupname=BusinessAppResourceGroup
```

az

group
webapp
appservice plan
webapp deployment slot
webapp deployment source

az

group
webapp
appservice plan
webapp deployment slot
webapp deployment source

az

group
webapp
appservice plan
webapp deployment slot
webapp deployment source

az

group
webapp
appservice plan
webapp deployment slot
webapp deployment source

az

group
webapp
appservice plan
webapp deployment slot
webapp deployment source

```
create --location centralus - --name $resourcegroupname
create --name $webappname - --resource-group $resourcegroupname
- --sku S3
create --name $webappname - --resource-group $resourcegroupname
\ - --plan $webappname
create --name $webappname - --resource-group $resourcegroupname
\ - --slot staging
config --name $webappname - --resource-group $resourcegroupname
\ - --slot staging - --repo-url
$gitrepo - --branch master - --manual-integration
```

A. Mastered

B. Not Mastered

Answer: A

Explanation:

Box 1: group

Create a resource group.

az group create --location westeurope --name myResourceGroup

Box 2: appservice plan

Create an App Service plan in STANDARD tier (minimum required by deployment slots). az appservice plan create --name \$webappname --resource-group myResourceGroup -- sku S1

Box 3: webapp

Create a web app.

az webapp create --name \$webappname --resource-group myResourceGroup \
--plan \$webappname

Box 4: webapp deployment slot

#Create a deployment slot with the name "staging".

az webapp deployment slot create --name \$webappname --resource-group myResourceGroup \
--slot staging

Box 5: webapp deployment source

Deploy sample code to "staging" slot from GitHub.

```
az webapp deployment source config --name $webappname --resource-group myResourceGroup \
--slot staging --repo-url $gitrepo --branch master --manual-integration
```

References:

https://docs.microsoft.com/en-us/azure/app-service/scripts/cli-deploy-staging-environment

NEW QUESTION 167

- (Topic 8)

You are building a B2B web application that uses Azure B2B collaboration for authentication. Paying customers authenticate to Azure B2B using federation.

The application allows users to sign up for trial accounts using any email address.

When a user converts to a paying customer, the data associated with the trial should be kept, but the user must authenticate using federation.

You need to update the user in Azure Active Directory (Azure AD) when they convert to a paying customer.

Which Graph API parameter is used to change authentication from one-time passwords to federation?

- A. usrFlowType
- B. Status
- C. invittidUstr
- D. resetRedemption

Answer: B

NEW QUESTION 172

HOTSPOT - (Topic 8)

You plan to deploy a new application to a Linux virtual machine (VM) that is hosted in Azure.

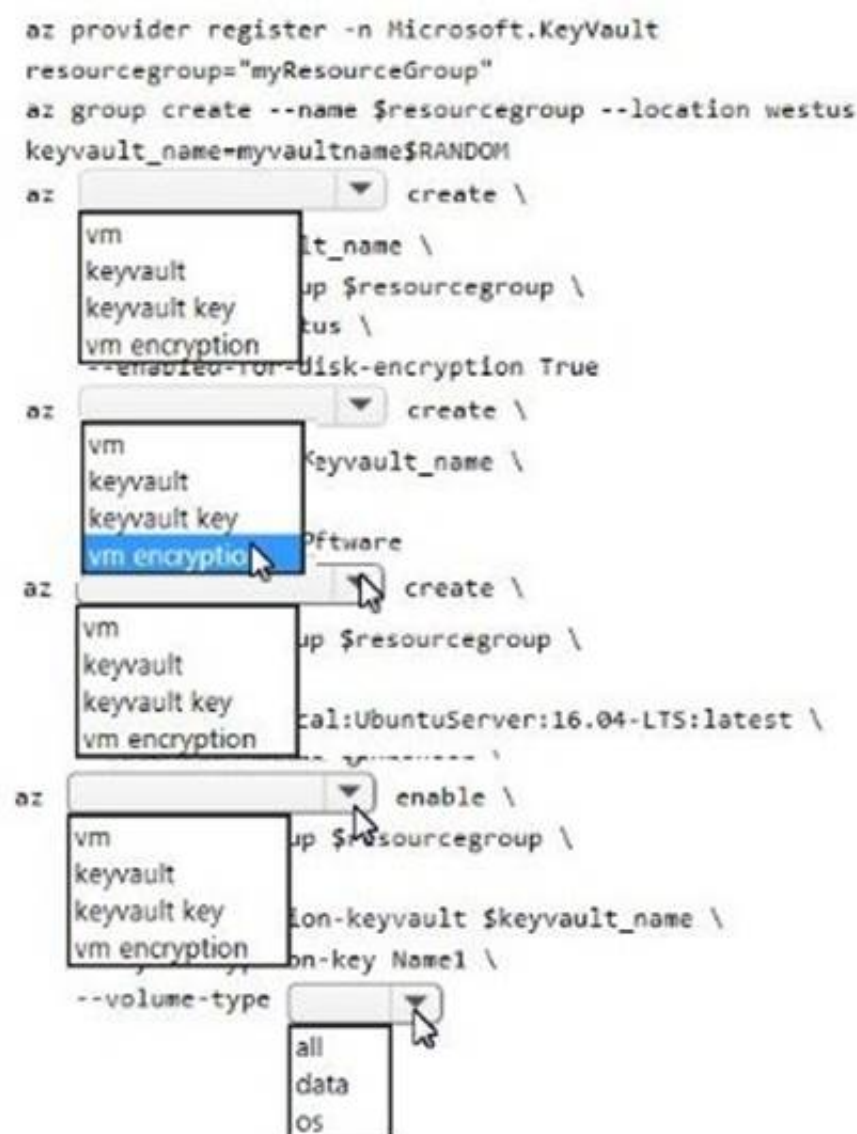
The entire VM must be secured at rest by using industry-standard encryption technology to address organizational security and compliance requirements.

You need to configure Azure Disk Encryption for the VM.

How should you complete the Azure CLI commands? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: keyvault

Create an Azure Key Vault with az keyvault create and enable the Key Vault for use with disk encryption. Specify a unique Key Vault name for keyvault_name as follows:

```
keyvault_name=myvaultname$RANDOM az keyvault create \
--name $keyvault_name \
--resource-group $resourcegroup \
--location eastus \
--enabled-for-disk-encryption True
```

Box 2: keyvault key

The Azure platform needs to be granted access to request the cryptographic keys when the VM boots to decrypt the virtual disks. Create a cryptographic key in your Key Vault with az keyvault key create. The following example creates a key named myKey:

```
az keyvault key create \  
--vault-name $keyvault_name \  
--name myKey \  
--protection software
```

Box 3: vm

Create a VM with az vm create. Only certain marketplace images support disk encryption. The following example creates a VM named myVM using an Ubuntu 16.04 LTS image:

```
az vm create \  
--resource-group $resourcegroup \  
--name myVM \  
--image Canonical:UbuntuServer:16.04-LTS:latest \  
--admin-username azureuser \  
--generate-ssh-keys
```

Box 4: vm encryption

Encrypt your VM with az vm encryption enable:

```
az vm encryption enable \  
--resource-group $resourcegroup \  
--name myVM \  
--disk-encryption-keyvault $keyvault_name \  
--key-encryption-key myKey \  
--volume-type all
```

Note: seems to an error in the question. Should have enable instead of create. Box 5: all

Encrypt both data and operating system.

References:

<https://docs.microsoft.com/bs-latn-ba/azure/virtual-machines/linux/encrypt-disks>

NEW QUESTION 175

DRAG DROP - (Topic 8)

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

None of your current resource groups reside in a location that supports Linux. You must minimize the number of resource groups required.

You need to create the application and perform an initial deployment.

Which three Azure CLI commands should you use to develop the solution? To answer, move the appropriate commands from the list of commands to the answer area and arrange them in the correct order.

Azure CLI Commands

Answer Area

az group create

az group update

az webapp update

az webapp create

az appservice plan create

⬅

➡

⬆

⬇

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

You can host native Linux applications in the cloud by using Azure Web Apps. To create a Web App for Containers, you must run Azure CLI commands that create a group, then a service plan, and finally the web app itself.

Step 1: az group create

In the Cloud Shell, create a resource group with the az group create command.

Step 2: az appservice plan create

In the Cloud Shell, create an App Service plan in the resource group with the az appservice plan create command.

Step 3: az webapp create

In the Cloud Shell, create a web app in the myAppServicePlan App Service plan with the az webapp create command. Don't forget to replace with a unique app name, and <docker- ID> with your Docker ID.

References:

<https://docs.microsoft.com/mt-mt/azure/app-service/containers/quickstart-docker-go?view=sql-server-ver15>

NEW QUESTION 178

DRAG DROP - (Topic 8)

You have an application that provides weather forecasting data to external partners. You use Azure API Management to publish APIs.

You must change the behavior of the API to meet the following requirements:

- Support alternative input parameters.
- Remove formatting text from responses.

- Provide additional context to back-end services.

Which types of policies should you implement? To answer, drag the policy types to the correct scenarios. Each policy 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.

Policy types	Requirement	Policy type
Inbound	Rewrite the request URL to match to the format expected by the web service.	policy type
Outbound	Remove formatting text from responses.	policy type
Backend	Forward the user ID that is associated with the subscription key for the original request to the back-end service.	policy type

- A. Mastered
 B. Not Mastered

Answer: A

Explanation:

Policy types	Requirement	Policy type
Inbound	Rewrite the request URL to match to the format expected by the web service.	Outbound
Outbound	Remove formatting text from responses.	Inbound
Backend	Forward the user ID that is associated with the subscription key for the original request to the back-end service.	Backend

NEW QUESTION 182

- (Topic 8)

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 are developing a website that will run as an Azure Web App. Users will authenticate by using their Azure Active Directory (Azure AD) credentials.

You plan to assign users one of the following permission levels for the website: admin, normal, and reader. A user's Azure AD group membership must be used to determine the permission level.

You need to configure authorization. Solution:

? Create a new Azure AD application. In the application's manifest, define application roles that match the required permission levels for the application.

? Assign the appropriate Azure AD group to each role. In the website, use the value

of the roles claim from the JWT for the user to determine permissions. Does the solution meet the goal?

- A. Yes
 B. No

Answer: B

Explanation:

To configure Manifest to include Group Claims in Auth Token

? Go to Azure Active Directory to configure the Manifest. Click on Azure Active Directory, and go to App registrations to find your application:

? Click on your application (or search for it if you have a lot of apps) and edit the Manifest by clicking on it.

? Locate the "groupMembershipClaims" setting. Set its value to either "SecurityGroup" or "All". To help you decide which:

? "SecurityGroup" - groups claim will contain the identifiers of all security groups of which the user is a member.

? "All" - groups claim will contain the identifiers of all security groups and all distribution lists of which the user is a member

Now your application will include group claims in your manifest and you can use this fact in your code.

Reference:

<https://blogs.msdn.microsoft.com/waws/2017/03/13/azure-app-service-authentication-aad-groups/>

NEW QUESTION 186

- (Topic 8)

You have an application that includes an Azure Web app and several Azure Function apps. Application secrets including connection strings and certificates are stored in Azure Key Vault.

Secrets must not be stored in the application or application runtime environment. Changes to Azure Active Directory (Azure AD) must be minimized.

You need to design the approach to loading application secrets. What should you do?

- A. Create a single user-assigned Managed Identity with permission to access Key Vault and configure each App Service to use that Managed Identity.
 B. Create a single Azure AD Service Principal with permission to access Key Vault and use a client secret from within the App Services to access Key Vault.
 C. Create a system assigned Managed Identity in each App Service with permission to access Key Vault.
 D. Create an Azure AD Service Principal with Permissions to access Key Vault for each App Service and use a certificate from within the App Services to access Key Vault.

Answer: C

Explanation:

Use Key Vault references for App Service and Azure Functions.

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

Reference:

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

NEW QUESTION 188

- (Topic 8)

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.

Margie's Travel is an international travel and bookings management service. The company is expanding into restaurant bookings. You are tasked with implementing Azure Search for the restaurants listed in their solution

You create the index in Azure Search.

You need to import the restaurant data into the Azure Search service by using the Azure Search NET SDK.

Solution:

- * 1 Create a SearchIndexClient object to connect to the search index
- * 2. Create an IndexBatch that contains the documents which must be added.
- * 3. Call the Documents.Index method of the SearchIndexClient and pass the IndexBatch.

Does the solution meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

* 1. The index needs to be populated. To do this, we will need a SearchIndexClient. There are two ways to obtain one: by constructing it, or by calling Indexes.GetClient on the SearchServiceClient. Here we will use the first method.

* 2. Create the indexBatch with the documents Something like:

```
var hotels = new Hotel[];  
{  
    new Hotel()  
{  
    HotelId = "3",  
    BaseRate = 129.99,  
    Description = "Close to town hall and the river"  
    }  
};  
...
```

```
var batch = IndexBatch.Upload(hotels);
```

* 3. The next step is to populate the newly-created index Example:

```
var batch = IndexBatch.Upload(hotels);  
try  
{  
    indexClient.Documents.Index(batch);  
}
```

References:

<https://docs.microsoft.com/en-us/azure/search/search-howto-dotnet-sdk>

NEW QUESTION 190

DRAG DROP - (Topic 8)

You develop an application. You plan to host the application on a set of virtual machines (VMs) in Azure.

You need to configure Azure Monitor to collect logs from the application.

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
Create a Log Analytics workspace.	
Install agents on the VM and VM scale set to be monitored.	
Send console logs.	
Add a VMInsights solution.	
Create an Application Insights resource.	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: Create a Log Analytics workspace. First create the workspace.

Application Insights

Monitor web app performance and usage

Basics Tags Review + create

Create an Application Insights resource to monitor your live web application. With Application Insights, you have full observability into your application across all components and dependencies of your complex distributed architecture. It includes powerful analytics tools to help you diagnose issues and to understand what users actually do with your app. It's designed to help you continuously improve performance and usability. It works for apps on a wide variety of platforms including .NET, Node.js and Java EE, hosted on-premises, hybrid, or any public cloud. [Learn More](#)

PROJECT DETAILS

Select a subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription * ⓘ Visual Studio Enterprise

Resource Group * ⓘ My_Resource_Group

Create new

INSTANCE DETAILS

Name * ⓘ My_AppInsights_Resource ✓

Region * ⓘ (US) West US 2

Resource Mode * ⓘ Classic Workspace-based

WORKSPACE DETAILS

Subscription * ⓘ Visual Studio Enterprise

Log Analytics Workspace * ⓘ my-workspace-name [westus2]

Review + create

< Previous

Next : Tags >

Step 2: Add a VMInsights solution.

Before a Log Analytics workspace can be used with VM insights, it must have the VMInsights solution installed.

Step 3: Install agents on the VM and VM scale set to be monitored.

Prior to onboarding agents, you must create and configure a workspace. Install or update the Application Insights Agent as an extension for Azure virtual machines and VM scalet sets.

Step 4: Create an Application Insights resource

Sign in to the Azure portal, and create an Application Insights resource.

Once a workspace-based Application Insights resource has been created, configuring monitoring is relatively straightforward.

NEW QUESTION 195

HOTSPOT - (Topic 8)

A company develops a series of mobile games. All games use a single leaderboard service.

You have the following requirements:

- Code should be scalable and allow for growth.
- Each record must consist of a playerId, gameId, score, and time played.
- When users reach a new high score, the system will save the new score using the SaveScore function below.
- Each game is assigned an Id based on the series title.

You have the following code. (Line numbers are included for reference only.)

```
01 public void SaveScore(string gameId, string playerId, int score, long timePlayed)
02 {
03     CloudStorageAccount storageAccount = CloudStorageAccount.Parse(connectionString);
04     CloudTableClient tableClient = storageAccount.CreateCloudTableClient();
05     CloudTable table = tableClient.GetTableReference("scoreTable");
06     table.CreateIfNotExists();
07     var scoreRecord = new PlayerScore(gameId, playerId, score, timePlayed);
08     TableOperation insertOperation = TableOperation.Insert(scoreRecord);
09     table.Execute(insertOperation);
10 }
11 public class PlayerScore : TableEntity
12 {
13     public PlayerScore(string gameId, string playerId, int score, long timePlayed)
14     {
15         this.PartitionKey = gameId;
16         this.RowKey = playerId;
17         Score = score;
18         TimePlayed = timePlayed;
19     }
20     public int Score { get; set; }
21     public long TimePlayed { get; set; }
22 }
```

You store customer information in an Azure Cosmos database. The following data already exists in the database:

PartitionKey	RowKey	Email
Harp	Walter	wharp@contoso.com
Smith	Steve	ssmith@contoso.com
Smith	Jeff	jsmith@contoso.com

```
01 CloudTableClient tableClient = account.CreateCloudTableClient();
02 CloudTable table = tableClient.GetTableReference("people");
03 TableQuery<CustomerEntity> query = new TableQuery<CustomerEntity>()
04     .Where(TableQuery.CombineFilters(
05         TableQuery.Generate.And, TableQuery.GenerateFilterCondition(Email, QueryComparisons.Equal, "Smith")
06         TableQuery.Generate.And, TableQuery.GenerateFilterCondition(Email, QueryComparisons.Equal,
07             "ssmith@contoso.com")
08     ));
09 await table.ExecuteQuerySegmentedAsync<CustomerEntity>(query, null);
```

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

NOTE: Each correct selection is worth one point.

	Yes	No
The code will work with Cosmos DB.	<input type="radio"/>	<input type="radio"/>
The save score function will update and replace a record if one already exists with the same playerId and gameId.	<input type="radio"/>	<input type="radio"/>
The data for the game will be automatically partitioned.	<input type="radio"/>	<input type="radio"/>
This code will store the values for the gameId and playerId parameters in the database.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Yes

Code for CosmosDB, example:

```
// Parse the connection string and return a reference to the storage account. CloudStorageAccount storageAccount = CloudStorageAccount.Parse(
CloudConfigurationManager.GetSetting("StorageConnectionString"));
// Create the table client.
CloudTableClient tableClient = storageAccount.CreateCloudTableClient();
// Retrieve a reference to the table.
CloudTable table = tableClient.GetTableReference("people");
// Create the TableOperation object that inserts the customer entity. TableOperation insertOperation = TableOperation.Insert(customer1);
```

Box 2: No

A new record will always be added as TableOperation.Insert is used, instead of TableOperation.InsertOrReplace.

Box 3: No

No partition key is used. Box 4: Yes

References:

<https://docs.microsoft.com/en-us/azure/cosmos-db/table-storage-how-to-use-dotnet>

NEW QUESTION 197

- (Topic 8)

You develop and deploy an Azure App Service web app named App1. You create a new Azure Key Vault named Vault 1. You import several API keys, passwords, certificates, and cryptographic keys into Vault1.

You need to grant App1 access to Vault1 and automatically rotate credentials. Credentials must not be stored in code.

What should you do?

- A. Enable App Service authentication for App
- B. Assign a custom RBAC role to Vault1.
- C. Add a TLS/SSL binding to App1.
- D. Assign a managed identity to App1.
- E. Upload a self-signed client certificate to Vault1. Update App1 to use the client certificate.

Answer: D

NEW QUESTION 199

- (Topic 8)

You develop and deploy an Azure Logic app that calls an Azure Function app. The Azure Function app includes an OpenAPI (Swagger) definition and uses an Azure Blob storage account. All resources are secured by using Azure Active Directory (Azure AD).

The Azure Logic app must securely access the Azure Blob storage account. Azure AD resources must remain if the Azure Logic app is deleted.

You need to secure the Azure Logic app. What should you do?

- A. Create an Azure AD custom role and assign role-based access controls.
- B. Create an Azure AD custom role and assign the role to the Azure Blob storage account.
- C. Create an Azure Key Vault and issue a client certificate.
- D. Create a user-assigned managed identity and assign role-based access controls.
- E. Create a system-assigned managed identity and issue a client certificate.

Answer: D

Explanation:

To give a managed identity access to an Azure resource, you need to add a role to the target resource for that identity.

Note: To easily authenticate access to other resources that are protected by Azure Active Directory (Azure AD) without having to sign in and provide credentials or secrets, your logic app can use a managed identity (formerly known as Managed Service Identity or MSI). Azure manages this identity for you and helps secure your credentials because you don't have to provide or rotate secrets.

If you set up your logic app to use the system-assigned identity or a manually created, user-assigned identity, the function in your logic app can also use that same identity for authentication.

Reference:

<https://docs.microsoft.com/en-us/azure/logic-apps/create-managed-service-identity>

<https://docs.microsoft.com/en-us/azure/api-management/api-management-howto-mutual-certificates-for-clients>

NEW QUESTION 204

DRAG DROP - (Topic 8)

You are developing an ASP.NET Core Web API web service that uses Azure Application Insights to monitor performance and track events.

You need to enable logging and ensure that log messages can be correlated to events tracked by Application Insights.

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

NOTE: Each correct selection is worth one point.

Code segments	Answer Area
IncludeEventId	<pre> public class Startup { ... public void ConfigureServices (IServiceCollection services) { services.AddOptions< >(). Configure(o => o. = true); services.AddMvc(); } public void Configure (IApplicationBuilder app, IHostingEnvironment env, ILoggerFactory loggerFactory) { loggerFactory.AddApplicationInsights(app, ,LogLevel.Trace); app.UseMvc(); } </pre>
ServerFeatures	
LoggerFilterOptions	
ApplicationServices	
ApplicationInsightsLoggerOptions	
TrackExceptionsAsExceptionTelemetry	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: ApplicationInsightsLoggerOptions

If you want to include the EventId and EventName properties, then add the following to the ConfigureServices method:

services.AddOptions<ApplicationInsightsLoggerOptions>().Configure(o => o.IncludeEventId = true);

Box 2: IncludeEventId

Box 3: ApplicationServices

In Asp.Net core apps it turns out that trace logs do not show up in Application Insights out of the box. We need to add the following code snippet to our Configure method in Startup.cs:

loggerFactory.AddApplicationInsights(app.ApplicationServices, logLevel);

References:
<https://blog.computedcloud.com/enabling-application-insights-trace-logging-in-asp-net-core/>

NEW QUESTION 205

HOTSPOT - (Topic 8)

You have an App Service plan named aspl based on the Free pricing tier.

You plan to use aspl to implement an Azure Function app with a queue trigger. Your solution must minimize cost.

You need to identify the configuration options that will meet the requirements.

Which value should you configure? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Configuration option	Value
Azure App Service feature	<div> <div>Managed identity</div> <div>Always On</div> <div>Managed identity</div> <div>Continuous deployment</div> </div>
Azure App Service pricing tier	<div> <div>Basic</div> <div>Basic</div> <div>Shared</div> <div>Standard</div> </div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Configuration option	Value
Azure App Service feature	Managed identity Always On Managed identity Continuous deployment
Azure App Service pricing tier	Basic Basic Shared Standard

NEW QUESTION 208

HOTSPOT - (Topic 8)

You are developing a ticket reservation system for an airline.

The storage solution for the application must meet the following requirements:

? Ensure at least 99.99% availability and provide low latency.

? Accept reservations event when localized network outages or other unforeseen failures occur.

? Process reservations in the exact sequence as reservations are submitted to minimize overbooking or selling the same seat to multiple travelers.

? Allow simultaneous and out-of-order reservations with a maximum five-second tolerance window.

You provision a resource group named airlineResourceGroup in the Azure South-Central US region.

You need to provision a SQL SPI Cosmos DB account to support the app.

How should you complete the Azure CLI commands? To answer, select the appropriate options in the answer area.

NOTE:Each correct selection is worth one point.

```
resourceGroupName- +airlineResourceGroup'
name- +docdb-airline-reservations'
databaseName- 'docdb-tickets-database'
collectionName- 'docdb-tickets-collection'
consistencyLevel-
```

▼
Strong
Eventual
ConsistentPrefix
BoundedStaleness

```
az cosmosdb create \
--name $name \
```

▼
--enable-virtual-network true\
--enable-automatic-failover true\
--kind 'GlobalDocumentDB' \
--kind 'MongoDB'\

```
--resource group $resourceGroupName \
--max interval 5 \
```

▼
--locations 'southcentralus'
--locations 'eastus'
--locations'southcentralus=0 eastus=1 westus=2'
--locations 'southcentralus=0'

```
--default-consistency-level - $consistencylevel
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: BoundedStaleness

Bounded staleness: The reads are guaranteed to honor the consistent-prefix guarantee. The reads might lag behind writes by at most "K" versions (that is, "updates") of an item or by "T" time interval. In other words, when you choose bounded staleness, the "staleness" can be configured in two ways:

The number of versions (K) of the item

The time interval (T) by which the reads might lag behind the writes

NEW QUESTION 211

HOTSPOT - (Topic 8)

You are developing an Azure Function App. You develop code by using a language that is not supported by the Azure Function App host. The code language supports HTTP primitives.

You must deploy the code to a production Azure Function App environment. You need to configure the app for deployment.

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

Configuration parameter	Configuration value
Publish	<div>▼</div> <div>Code</div> <div>Docker Container</div>
Runtime stack	<div>▼</div> <div>Node.js</div> <div>Python</div> <div>PowerShell Core</div> <div>Custom Handler</div>
Version	<div>▼</div> <div>14 LTS</div> <div>7.0</div> <div>custom</div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Docker container

A custom handler can be deployed to every Azure Functions hosting option. If your handler requires operating system or platform dependencies (such as a language runtime), you may need to use a custom container. You can create and deploy your code to Azure Functions as a custom Docker container.

Box 2: PowerShell core

When creating a function app in Azure for custom handlers, we recommend you select

.NET Core as the stack. A "Custom" stack for custom handlers will be added in the future. PowerShell Core (PSC) is based on the new .NET Core runtime.

Box 3: 7.0

On Windows: The Azure Az PowerShell module is also supported for use with PowerShell 5.1 on Windows.

On Linux: PowerShell 7.0.6 LTS, PowerShell 7.1.3, or higher is the recommended version of PowerShell for use with the Azure Az PowerShell module on all platforms.

NEW QUESTION 214

- (Topic 8)

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 develop and deploy an Azure App Service API app to a Windows-hosted deployment slot named Development. You create additional deployment slots named Testing and Production. You enable auto swap on the Production deployment slot.

You need to ensure that scripts run and resources are available before a swap operation occurs.

Solution: Enable auto swap for the Testing slot. Deploy the app to the Testing slot. Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Instead update the web.config file to include the applicationInitialization configuration element. Specify custom initialization actions to run the scripts.

Note: Some apps might require custom warm-up actions before the swap. The applicationInitialization configuration element in web.config lets you specify custom initialization actions. The swap operation waits for this custom warm-up to finish before swapping with the target slot. Here's a sample web.config fragment.

```
<system.webServer>
<applicationInitialization>
<add initializationPage="/" hostname="[app hostname]" />
<add initializationPage="/Home/About" hostname="[app hostname]" />
</applicationInitialization>
</system.webServer>
```

Reference:

<https://docs.microsoft.com/en-us/azure/app-service/deploy-staging-slots#troubleshoot-swaps>

NEW QUESTION 218

HOTSPOT - (Topic 8)

You develop a news and blog content app for Windows devices.

A notification must arrive on a user's device when there is a new article available for them to view.

You need to implement push notifications.

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.

Answer Area

```
string notificationHubName = "contoso_hub";
string notificationHubConnection = "connection_string";
    hub =
    NotificationHubClient
    NotificationHubClientSettings
    NotificationHubJob
    NotificationDetails
    .
    GetInstallation
    CreateClientFromConnectionString
    CreateOrUpdateInstallation
    PatchInstallation
(notificationHubConnection, notificationHubName);
string windowsToastPayload =
@"<toast><visual><binding template=""ToastText01""><text id=""1"">" +
@"New item to view" + @"</text></binding></visual></toast>";
try
{
var result =
    await hub.
    SendWindowsNativeNotificationAsync
    SubmitNotificationHubJobAsync
    ScheduleNotificationAsync
    SendAppleNativeNotificationAsync
    (windowsToastPayload);
...
}
catch (System.Exception ex)
{
...
}
...
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: NotificationHubClient
Box 2: NotificationHubClient
Box 3: CreateClientFromConnectionString
// Initialize the Notification Hub NotificationHubClient hub =
NotificationHubClient.CreateClientFromConnectionString(listenConnString, hubName);
Box 4: SendWindowsNativeNotificationAsync Send the push notification.
var result = await hub.SendWindowsNativeNotificationAsync(windowsToastPayload);

NEW QUESTION 221

HOTSPOT - (Topic 8)

A company runs an international travel and bookings management service. The company plans to begin offering restaurant bookings. You must develop a solution that uses Azure Search and meets the following requirements:

- Users must be able to search for restaurants by name, description, location, and cuisine.
- Users must be able to narrow the results further by location, cuisine, rating, and family- friendliness.
- All words in descriptions must be included in searches. You need to add annotations to the restaurant class.

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.


```
[SerializePropertyNameAsCamelCase]
public class Restaurant
{
    [Key, IsFilterable]
    public int RestaurantId { get; set; }
    [IsSearchable, IsFilterable, IsSortable]
    public string Name { get; set; }

    [IsSearchable.IsFilterable.IsSortable, IsFacetable]
    [IsFilterable.IsFacetable, Required]
    [IsSearchable]
    [IsSearchable, Required]
    public string location { get; set; }
    public string Phone { get; set; }

    [Required]
    [IsSearchable]
    [IsFilterable, IsFacetable, Required]
    [IsFilterable, IsFacetable, IsSortable]
    public string Description { get; set; }

    [IsFilterable, IsSortable, IsSearchable]
    [IsFilterable, IsSortable, IsFacetable]
    [IsFilterable, IsSortable, Key]
    [IsFilterable, IsSortable, IsSearchable, Required]
    public double Rating { get; set; }

    [IsSearchable, IsFilterable, IsFacetable]
    [IsFilterable, IsSortable, Key]
    [IsFilterable, IsSortable, IsSearchable]
    [IsFilterable, IsSortable, Key, Required]
    public List<string> Cuisines { get; set; }

    [IsFilterable, IsSortable, Key, Required]
    [IsSearchable, IsSortable, IsFacetable]
    [IsFilterable, IsSortable, Key, IsSearchable]
    [IsFilterable, IsFacetable]
    public bool FamilyFriendly { get; set; }
}
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: [IsSearchable.IsFilterable.IsSortable,IsFacetable] Location

Users must be able to search for restaurants by name, description, location, and cuisine. Users must be able to narrow the results further by location, cuisine, rating, and family- friendliness.

Box 2: [IsSearchable.IsFilterable.IsSortable,Required] Description

Users must be able to search for restaurants by name, description, location, and cuisine. All words in descriptions must be included in searches.

Box 3: [IsFilterable,IsSortable,IsFaceTable] Rating

Users must be able to narrow the results further by location, cuisine, rating, and family- friendliness.

Box 4: [IsSearchable.IsFilterable,IsFacetable]

Cuisines

Users must be able to search for restaurants by name, description, location, and cuisine. Users must be able to narrow the results further by location, cuisine, rating, and family- friendliness.

Box 5: [IsFilterable,IsFacetable] FamilyFriendly

Users must be able to narrow the results further by location, cuisine, rating, and family- friendliness.

References:

<https://www.henkboelman.com/azure-search-the-basics/>

NEW QUESTION 223

- (Topic 8)

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 are developing a website that will run as an Azure Web App. Users will authenticate by using their Azure Active Directory (Azure AD) credentials.

You plan to assign users one of the following permission levels for the website: admin, normal, and reader. A user's Azure AD group membership must be used to determine the permission level.

You need to configure authorization.

Solution:

? Configure and use Integrated Windows Authentication in the website.

? In the website, query Microsoft Graph API to load the group to which the user is a member.

Does the solution meet the goal?

A. Yes

B. No

Answer: B

Explanation:

Microsoft Graph is a RESTful web API that enables you to access Microsoft Cloud service resources.

Instead in the Azure AD application's manifest, set value of the groupMembershipClaims option to All. In the website, use the value of the groups claim from the JWT for the user to determine permissions.

Reference:

<https://blogs.msdn.microsoft.com/waws/2017/03/13/azure-app-service-authentication-aad-groups/>

NEW QUESTION 224

HOTSPOT - (Topic 8)

You are building a website that is used to review restaurants. The website will use an Azure CDN to improve performance and add functionality to requests.

You build and deploy a mobile app for Apple iPhones. Whenever a user accesses the website from an iPhone, the user must be redirected to the app store.

You need to implement an Azure CDN rule that ensures that iPhone users are redirected to the app store.

How should you complete the Azure Resource Manager template? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

```

"conditions": [ {
  "name": "IsDevice",
  "parameters": {
    "@odata.type": "#Microsoft.Azure.Cdn.Models.",
    "operator": "Equal",
    "matchValues": [ "
  } },
  {
    "name": "RequestHeader",
    "parameters": {
      "@odata.type": "#Microsoft.Azure.Cdn.Models.",
      "operator": "Contains",
      "selector": "
    "matchValues": [ "
  } }
]

```

iOS
Mobile
iPhone
Desktop

FROM
PRAGMA
X-POWERED-BY
HTTP_USER_AGENT

DeliveryRulesDeviceConditionParameters
DeliveryRuleCookiesConditionParameters
DeliveryRulePostArgsConditionParameters
DeliveryRuleRequestHeaderConditionParameters

DeliveryRulesDeviceConditionParameters
DeliveryRuleCookiesConditionParameters
DeliveryRulePostArgsConditionParameters
DeliveryRuleRequestHeaderConditionParameters

A. Mastered

B. Not Mastered

Answer: A

Explanation:

Box 1: iOS

Azure AD Conditional Access supports the following device platforms:

? Android

? iOS

? Windows Phone

? Windows

? macOS

Box 2: DeliveryRulesDeviceConditionParameters

The DeliveryRulesDeviceCondition defines the IsDevice condition for the delivery rule. parameters defines the parameters for the condition.

Box 3: HTTP_USER_AGENT
Box 4: DeliveryRuleRequestHeaderConditionParameters DeliveryRuleRequestHeaderCondition defines the RequestHeader condition for the delivery rule. parameters defines the parameters for the condition.
Box 5: iOS
The Require approved client app requirement only supports the iOS and Android for device platform condition.

NEW QUESTION 226

- (Topic 8)
A development team is creating a new REST API. The API will store data in Azure Blob storage. You plan to deploy the API to Azure App Service. Developers must access the Azure Blob storage account to develop the API for the next two months. The Azure Blob storage account must not be accessible by the developers after the two-month time period.
You need to grant developers access to the Azure Blob storage account. What should you do?

- A. Generate a shared access signature (SAS) for the Azure Blob storage account and provide the SAS to all developers.
- B. Create and apply a new lifecycle management policy to include a last accessed date value
- C. Apply the policy to the Azure Blob storage account.
- D. Provide all developers with the access key for the Azure Blob storage account
- E. Update the API to include the Coordinated Universal Time (UTC) timestamp for the request header.
- F. Grant all developers access to the Azure Blob storage account by assigning role-based access control (RBAC) roles.

Answer: A

Explanation:

Reference:
<https://docs.microsoft.com/en-us/azure/storage/common/storage-sas-overview>

NEW QUESTION 229

DRAG DROP - (Topic 8)
You develop a gateway solution for a public facing news API.
The news API back end is implemented as a RESTful service and hosted in an Azure App Service instance.
You need to configure back-end authentication for the API Management service instance. Which target and gateway credential type should you use? To answer, drag the appropriate values to the correct parameters. Each value 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.

Azure Resource	Configuration parameter	Value
HTTP(s) endpoint	Target	value
Basic	Gateway credentials	value
Client cert		

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Azure Resource Box 2: Client cert
API Management allows to secure access to the back-end service of an API using client certificates.
References:
<https://docs.microsoft.com/en-us/rest/api/apimanagement/apimanagementrest/azure-api-management-rest-api-backend-entity>

NEW QUESTION 232

DRAG DROP - (Topic 8)
You are developing an application to securely transfer data between on-premises file systems and Azure Blob storage. The application stores keys, secrets, and certificates in Azure Key Vault. The application uses the Azure Key Vault APIs.
The application must allow recovery of an accidental deletion of the key vault or key vault objects. Key vault objects must be retained for 90 days after deletion.
You need to protect the key vault and key vault objects.
Which Azure Key Vault feature should you use? To answer, drag the appropriate features to the correct actions. Each feature 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.

Features	Answer Area
Access policy	
Purge protection	
Soft delete	
Shared access signature	

Action	Feature
Enable retention period and accidental deletion.	Feature
Enforce retention period and accidental deletion.	Feature

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Soft delete
When soft-delete is enabled, resources marked as deleted resources are retained for a specified period (90 days by default). The service further provides a

mechanism for recovering the deleted object, essentially undoing the deletion.

Box 2: Purge protection

Purge protection is an optional Key Vault behavior and is not enabled by default. Purge protection can only be enabled once soft-delete is enabled.

When purge protection is on, a vault or an object in the deleted state cannot be purged until the retention period has passed. Soft-deleted vaults and objects can still be recovered, ensuring that the retention policy will be followed.

NEW QUESTION 235

HOTSPOT - (Topic 8)

Your company is migrating applications to Azure. The IT department must allow internal developers to communicate with Microsoft support.

The service agents of the IT department must only have view resources and create support ticket permissions to all subscriptions. A new custom role must be created by reusing a default role definition and changing the permissions.

You need to create the custom role.

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

Item	Value
Powershell command	<div> <div></div> <div> Get-AzureRmRoleDefinition-Name"Reader" ConvertTo-Json Out-File C:\SupportRole.json Get-AzureRmRoleDefinition-Name"Operator" ConvertTo-Json Out-File C:\SupportRole.json Set-AzureRmRoleDefinition-Name"Reader"Input-File C:\SupportRole.json Set-AzureRmRoleDefinition Input-File C:\SupportRole.json </div> </div>
Actions section	<div> <div></div> <div> "/read*, *Microsoft.Support/*" "/read*" "/read*, *Microsoft.Support/*" "/read*" </div> </div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Set-AzureRmRoleDefinition Input-File C:\SupportRole.json

The Set-AzureRmRoleDefinition cmdlet updates an existing custom role in Azure Role- Based Access Control. Provide the updated role definition as an input to the command as a JSON file or a PSRoleDefinition object.

The role definition for the updated custom role MUST contain the Id and all other required properties of the role even if they are not updated: DisplayName, Description, Actions, AssignableScope

Box 2: "/read*. " Microsoft.Support/*" Microsoft.Support/* Create and manage support tickets

"Microsoft.Support" role definition azure

NEW QUESTION 236

HOTSPOT - (Topic 8)

You are creating an app that uses Event Grid to connect with other services. Your app's event data will be sent to a serverless function that checks compliance.

This function is maintained by your company.

You write a new event subscription at the scope of your resource. The event must be invalidated after 3 specific period of time. You need to configure Event Grid to ensure security.

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

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: SAS tokens

Custom topics use either Shared Access Signature (SAS) or key authentication. Microsoft recommends SAS, but key authentication provides simple programming,

and is compatible with many existing webhook publishers.

In this case we need the expiration time provided by SAS tokens.

Box 2: ValidationCode handshake

Event Grid supports two ways of validating the subscription: ValidationCode handshake (programmatic) and ValidationURL handshake (manual).

If you control the source code for your endpoint, this method is recommended.

NEW QUESTION 239

HOTSPOT - (Topic 8)

You develop a containerized application. You plan to deploy the application to a new Azure Container instance by using a third-party continuous integration and continuous delivery (CI/CD) utility.

The deployment must be unattended and include all application assets. The third-party utility must only be able to push and pull images from the registry. The authentication must be managed by Azure Active Directory (Azure AD). The solution must use the principle of least privilege.

You need to ensure that the third-party utility can access the registry.

Which authentication options should you use? To answer, select the appropriate options in the answer area.

NOTE:Each correct selection is worth one point.

Authentication	Option
Registry authentication method	<div> <div></div> <div>Service principal</div> <div>Individual identity</div> <div>Repository-scoped access token</div> <div>Managed identity for Azure resources</div> </div>
RBAC role	<div> <div></div> <div>AcrPull</div> <div>Owner</div> <div>AcrPush</div> <div>Contributor</div> </div>

A. Mastered

B. Not Mastered

Answer: A

Explanation:

Box 1: Service principal

Applications and container orchestrators can perform unattended, or "headless," authentication by using an Azure Active Directory (Azure AD) service principal.

Box 2: AcrPush

AcrPush provides pull/push permissions only and meets the principle of least privilege.

NEW QUESTION 242

- (Topic 8)

You develop a website. You plan to host the website in Azure. You expect the website to experience high traffic volumes after it is published. You must ensure that the website remains available and responsive while minimizing cost. You need to deploy the website. What should you do?

- A. Deploy the website to an App Service that uses the Shared service tie
- B. Configure the App Service plan to automatically scale when the CPU load is high.
- C. Deploy the website to a virtual machin
- D. Configure the virtual machine to automatically scale when the CPU load is high.
- E. Deploy the website to an App Service that uses the Standard service tie
- F. Configure the App Service plan to automatically scale when the CPU load is high.
- G. Deploy the website to a virtual machin
- H. Configure a Scale Set to increase the virtual machine instance count when the CPU load

Answer: C

Explanation:

Windows Azure Web Sites (WAWS) offers 3 modes: Standard, Free, and Shared.

Standard mode carries an enterprise-grade SLA (Service Level Agreement) of 99.9% monthly, even for sites with just one instance.

Standard mode runs on dedicated instances, making it different from the other ways to buy Windows Azure Web Sites.

NEW QUESTION 246

- (Topic 8)

A company is developing a solution that allows smart refrigerators to send temperature information to a central location. You have an existing Service Bus.

The solution must receive and store message 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 CLI or PowerShell command should you run?

- A. `az servicebus queue create`
`--resource-group fridge-rg`
`--namespace-name fridge-ns`
`--name fridge-q`
- B. `New-AzureRmResourceGroup`
`-Name fridge-rg`
`-Location fridge-loc`
- C. `New-AzureRmServiceBusNamespace`
`-ResourceGroupName fridge-rg`
`-NamespaceName fridge-loc`
`-Location fridge-loc`
- D. `connectionString=$(az servicebus namespace authorization-rule keys list`
`--resource-group fridge-rg`
`--fridge-ns fridge-ns`
`--query primaryConnectionString -output tsv)`

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

Answer: A

Explanation:

A service bus instance has already been created (Step 2 below). Next is step 3, Create a Service Bus queue.

Note: Steps:

Step 1: # Create a resource group `resourceGroupName="myResourceGroup"`

`az group create --name $resourceGroupName --location eastus`

Step 2: # Create a Service Bus messaging namespace with a unique name `namespaceName=myNameSpace$RANDOM`

`az servicebus namespace create --resource-group $resourceGroupName --name $namespaceName --location eastus`

Step 3: # Create a Service Bus queue

`az servicebus queue create --resource-group $resourceGroupName --namespace-name $namespaceName --name BasicQueue`

Step 4: # Get the connection string for the namespace

`connectionString=$(az servicebus namespace authorization-rule keys list --resource-group`

`$resourceGroupName --namespace-name $namespaceName --name RootManageSharedAccessKey --query primaryConnectionString --output tsv)`

Reference:

<https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-quickstart-cli>

NEW QUESTION 251

- (Topic 8)

You develop an Azure web app. You monitor performance of the web app by using Application Insights. You need to ensure the cost for Application Insights does not exceed a preset budget. What should you do?

- A. Implement ingestion sampling using the Azure portal.
B. Set a daily cap for the Application Insights instance.
C. Implement adaptive sampling using the Azure portal.
D. Implement adaptive sampling using the Application Insights SDK.
E. Implement ingestion sampling using the Application Insights SDK.

Answer: D

Explanation:

Sampling is an effective way to reduce charges and stay within your monthly quota.

You can set sampling manually, either in the portal on the Usage and estimated costs page; or in the ASP.NET SDK in the .config file; or in the Java SDK in the ApplicationInsights.xml file, to also reduce the network traffic.

Adaptive sampling is the default for the ASP.NET SDK. Adaptive sampling automatically adjusts to the volume of telemetry that your app sends. It operates automatically in the SDK in your web app so that telemetry traffic on the network is reduced.

References:

<https://docs.microsoft.com/en-us/azure/azure-monitor/app/sampling>

NEW QUESTION 254

- (Topic 8)

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 develop Azure solutions.

You must grant a virtual machine (VM) access to specific resource groups in Azure Resource Manager.

You need to obtain an Azure Resource Manager access token.

Solution: Use an X.509 certificate to authenticate the VM with Azure Resource Manager. Does the solution meet the goal?

- A. Yes
B. No

Answer: B

Explanation:

Instead run the Invoke-RestMethod cmdlet to make a request to the local managed identity for Azure resources endpoint.

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory/managed-identities-azure-resources/tutorial-windows-vm-access-arm>

NEW QUESTION 259

DRAG DROP - (Topic 8)

You are Implementing an Azure solution that uses Azure Cosmos DB and the latest Azure Cosmos DB SDK. You add a change feed processor to a new container instance.

You attempt to lead a batch of 100 documents. The process falls when reading one of the documents. The solution must monitor the progress of the change feed processor instance on the new container as the change feed is read. You must prevent the change feed processor from retrying the entire batch when one document cannot be read.

You need to implement the change feed processor to read the documents.

Which features should you use? To answer, drag the appropriate features to the correct requirements. Each feature may be used once, More than once, or not at all. You may need to drag The split bat between panes or scroll to view content

Each correct selection is worth one point

Features

Change feed estimator

Dead-letter queue

Deployment unit

Lease container

Answer Area

Requirement

Monitor the progress of the change feed processor.

Prevent the change feed processor from retrying the entire batch when one document cannot be read.

Feature

Feature

Feature

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Features

Change feed estimator

Dead-letter queue

Deployment unit

Lease container

Answer Area

Requirement

Monitor the progress of the change feed processor.

Prevent the change feed processor from retrying the entire batch when one document cannot be read.

Feature

Dead-letter queue

Deployment unit

NEW QUESTION 264

HOTSPOT - (Topic 8)

You are developing an application that use an Azure blob named data to store application data. The application creates blob snapshots to allow application state to be reverted to an earlier state. The Azure storage account has soft deleted enabled.

The system performs the following operations in order:

- The blob is updated
- Snapshot 1 is created.
- Snapshot 2 is created.
- Snapshot 1 is deleted.

A system error then deletes the data blob and all snapshots.

You need to determine which application states can be restored.

What is the restorability of the application data? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Application State

Restorability

Data blob

Can be restored

Cannot be restored

Snapshot 1

Can be restored

Cannot be restored

Snapshot 2

Can be restored

Cannot be restored

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Box 1: Can be restored

When enabled, soft delete enables you to save and recover your data when blobs or blob snapshots are deleted. This protection extends to blob data that is erased as the result of an overwrite.

Box 2: Cannot be restored It has been deleted.

Box 3: Can be restored It has not been deleted.

References:

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-soft-delete>

NEW QUESTION 265

HOTSPOT - (Topic 8)

You are building an application that stores sensitive customer data in Azure Blob storage.

The data must be encrypted with a key that is unique for each customer.

If the encryption key has been corrupted it must not be used for encryption. You need to ensure that the blob is encrypted.

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.

Answer Area

```
from azure.storage.blob import BlobServiceClient

from azure.storage.blob.aio import BlobType x = BlobType(key, verify)
from azure.storage.blob import BlobSasPermissions x = BlobSasPermissions.from_string(key + verify)
from azure.storage.blob import CustomerProvidedEncryptionKey x = CustomerProvidedEncryptionKey(key, verify)
from azure.core.configuration import Configuration x = Configuration(key, verify)

if x.tag == verify:
    if x.maketrans == verify:
    if x.EncryptionKeyHash == verify:
    if x.proxy_policy == verify:

bsc = BlobServiceClient("", credential = creds)
c = bsc.get_blob_client("con", blob)

c.upload_blob(data, ps=x)
c.upload_blob(data, bt=x)
c.upload_blob(data, bsp=x)
c.upload_blob(data, cpk=x)
```

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

```
from azure.storage.blob import BlobServiceClient

from azure.storage.blob.aio import BlobType x = BlobType(key, verify)
from azure.storage.blob import BlobSasPermissions x = BlobSasPermissions.from_string(key + verify)
from azure.storage.blob import CustomerProvidedEncryptionKey x = CustomerProvidedEncryptionKey(key, verify)
from azure.core.configuration import Configuration x = Configuration(key, verify)

if x.tag == verify:
    if x.maketrans == verify:
    if x.EncryptionKeyHash == verify:
    if x.proxy_policy == verify:

bsc = BlobServiceClient("", credential = creds)
c = bsc.get_blob_client("con", blob)

c.upload_blob(data, ps=x)
c.upload_blob(data, bt=x)
c.upload_blob(data, bsp=x)
c.upload_blob(data, cpk=x)
```

NEW QUESTION 267

- (Topic 8)

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 develop an HTTP triggered Azure Function app to process Azure Storage blob data. The app is triggered using an output binding on the blob.

The app continues to time out after four minutes. The app must process the blob data. You need to ensure the app does not time out and processes the blob data.

Solution: Use the Durable Function async pattern to process the blob data. Does the solution meet the goal?

- A. Yes
B. No

Answer: B

Explanation:

Instead pass the HTTP trigger payload into an Azure Service Bus queue to be processed by a queue trigger function and return an immediate HTTP success response.

Note: Large, long-running functions can cause unexpected timeout issues. General best practices include:

Whenever possible, refactor large functions into smaller function sets that work together and return responses fast. For example, a webhook or HTTP trigger function might require an acknowledgment response within a certain time limit; it's common for webhooks to require an immediate response. You can pass the HTTP trigger payload into a queue to be processed by a queue trigger function. This approach lets you defer the actual work and return an immediate response.

Reference:

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

NEW QUESTION 269

- (Topic 8)

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 develop and deploy an Azure App Service API app to a Windows-hosted deployment slot named Development. You create additional deployment slots named Testing and Production. You enable auto swap on the Production deployment slot.

You need to ensure that scripts run and resources are available before a swap operation occurs.

Solution: Disable auto swap. Update the app with a method named statuscheck to run the scripts. Re-enable auto swap and deploy the app to the Production slot. Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Instead update the web.config file to include the applicationInitialization configuration element. Specify custom initialization actions to run the scripts.

Note: Some apps might require custom warm-up actions before the swap. The applicationInitialization configuration element in web.config lets you specify custom initialization actions. The swap operation waits for this custom warm-up to finish before swapping with the target slot. Here's a sample web.config fragment.

```
<system.webServer>
<applicationInitialization>
<add initializationPage="/" hostname="[app hostname]" />
<add initializationPage="/Home/About" hostname="[app hostname]" />
</applicationInitialization>
</system.webServer>
```

Reference:

<https://docs.microsoft.com/en-us/azure/app-service/deploy-staging-slots#troubleshoot-swaps>

NEW QUESTION 273

- (Topic 8)

You are developing an Azure App Service REST API.

The API must be called by an Azure App Service web app. The API must retrieve and update user profile information stored in Azure Active Directory (Azure AD).

You need to configure the API to make the updates.

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

- A. Microsoft Graph API
- B. Microsoft Authentication Library (MSAL)
- C. Azure API Management
- D. Microsoft Azure Security Center
- E. Microsoft Azure Key Vault SDK

Answer: AC

Explanation:

A: You can use the Azure AD REST APIs in Microsoft Graph to create unique workflows between Azure AD resources and third-party services.

Enterprise developers use Microsoft Graph to integrate Azure AD identity management and other services to automate administrative workflows, such as employee onboarding (and termination), profile maintenance, license deployment, and more.

C: API Management (APIM) is a way to create consistent and modern API gateways for existing back-end services.

API Management helps organizations publish APIs to external, partner, and internal developers to unlock the potential of their data and services.

Reference:

<https://docs.microsoft.com/en-us/graph/azuread-identity-access-management-concept-overview>

NEW QUESTION 274

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