

AZ-204 Dumps

Developing Solutions for Microsoft Azure

<https://www.certleader.com/AZ-204-dumps.html>



NEW QUESTION 1

- (Topic 8)

You are developing several Azure API Management (APIM) hosted APIs. The APIs have the following requirements:

Require a subscription key to access all APIs.

- Include terms of use that subscribers must accept to use the APIs.
- Administrators must review and accept or reject subscription attempts.
- Limit the count of multiple simultaneous subscriptions. You need to implement the APIs.

What should you do? OB.

- A. Create and publish a product.
- B. Configure and apply query string-based versioning.
- C. Configure and apply header-based versioning.
- D. Add a new revision to all API
- E. Make the revisions current and add a change log entr

Answer: B

NEW QUESTION 2

- (Topic 8)

You develop and add several functions to an Azure Function app that uses the latest runtime host. The functions contain several REST API endpoints secured by using SSL. The Azure Function app runs in a Consumption plan.

You must send an alert when any of the function endpoints are unavailable or responding too slowly.

You need to monitor the availability and responsiveness of the functions. What should you do?

- A. Create a URL ping test.
- B. Create a timer triggered function that calls TrackAvailability() and send the results to ApplicationInsights.
- C. Create a timer triggered function that calls GetMetric("Request Size") and send the results to Application Insights.
- D. Add a new diagnostic setting to the Azure Function ap
- E. Enable the FunctionAppLogs and Send to Log Analytics options.

Answer: B

Explanation:

You can create an Azure Function with TrackAvailability() that will run periodically according to the configuration given in TimerTrigger function with your own business logic. The results of this test will be sent to your Application Insights resource, where you will be able to query for and alert on the availability results data. This allows you to create customized tests similar to what you can do via Availability Monitoring in the portal. Customized tests will allow you to write more complex availability tests than is possible using the portal UI, monitor an app inside of your Azure VNET, change the endpoint address, or create an availability test even if this feature is not available in your region.

D18912E1457D5D1DDCBD40AB3BF70D5D

Reference:

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

NEW QUESTION 3

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>QueryType OrderBy SearchMode</div>
Organize results by counts for name-value pairs.	<div>Facets Filter SearchMode</div>
List hotels within a specified distance to an airport and that fall within a specific price range.	<div>Order by Top Filter</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-](https://docs.microsoft.com/en-us/dotnet/api/microsoft.azure.search.models.searchparameters)

[us/dotnet/api/microsoft.azure.search.models.searchparameters](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](https://docs.microsoft.com/en-us/dotnet/api/microsoft.azure.search.models.searchparameters.querytype)

NEW QUESTION 4

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	Answer Area
Inbound	
Outbound	

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 5

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	Answer Area	
	Requirement	Feature
Custom handler	Enable developers to write the functions by using the Rust language.	Feature
Extension bundle		
Trigger	Declaratively connect to an Azure Blob Storage account.	Feature
Runtime		
Policy		
Hosting plan		

- 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 6

- (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 7

DRAG DROP - (Topic 8)

You manage several existing Logic Apps.

You need to change definitions, add new logic, and optimize these apps on a regular basis. What should you use? To answer, drag the appropriate tools to the correct functionalities.

Each tool 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.

Tools	Functionality	Tool
Logic Apps Designer	Edit B2B workflows	
Code View Editor	Edit definitions in JSON	
Enterprise Integration Pack	Visually add functionality	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Enterprise Integration Pack

After you create an integration account that has partners and agreements, you are ready to create a business to business (B2B) workflow for your logic app with the Enterprise Integration Pack.

Box 2: Code View Editor

To work with logic app definitions in JSON, open the Code View editor when working in the Azure portal or in Visual Studio, or copy the definition into any editor that you want.

Box 3: Logical Apps Designer

You can build your logic apps visually with the Logic Apps Designer, which is available in the Azure portal through your browser and in Visual Studio.

References:

<https://docs.microsoft.com/en-us/azure/logic-apps/logic-apps-enterprise-integration-b2b> <https://docs.microsoft.com/en-us/azure/logic-apps/logic-apps-author->

definitions <https://docs.microsoft.com/en-us/azure/logic-apps/logic-apps-overview>

NEW QUESTION 8

- (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 9

HOTSPOT - (Topic 8)

You develop and deploy the following staticwebapp.config.json file to the app_location value specified in the workflow file of an Azure Static Web app.

```
{
  "routes": [
    {
      "route": "/api/*",
      "methods": ["GET"],
      "allowedRoles": ["registeredusers"]
    },
    {
      "route": "/api/*",
      "methods": ["POST", "PATCH", "DELETE"]
    }
  ]
}
```

Statements	Yes	No
Unauthenticated users are challenged to authenticate with GitHub.	<input type="radio"/>	<input type="radio"/>
A non-existent file in the /Images/ folder will generate a 404 response code.	<input type="radio"/>	<input type="radio"/>
HTTP GET method requests from authenticated users in the role named registeredusers are sent to the API folder.	<input type="radio"/>	<input type="radio"/>
Authenticated users that are not in the role named registeredusers and unauthenticated users are served a 401 HTTP error when accessing the API folder.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
Unauthenticated users are challenged to authenticate with GitHub.	<input checked="" type="radio"/>	<input type="radio"/>
A non-existent file in the /Images/ folder will generate a 404 response code.	<input checked="" type="radio"/>	<input type="radio"/>
HTTP GET method requests from authenticated users in the role named registeredusers are sent to the API folder.	<input checked="" type="radio"/>	<input type="radio"/>
Authenticated users that are not in the role named registeredusers and unauthenticated users are served a 401 HTTP error when accessing the API folder.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION 10

DRAG DROP - (Topic 8)

You develop and deploy a Java application to Azure. The application has been instrumented by using the Application Insights SDK.

The telemetry data must be enriched and processed before it is sent to the Application Insights service.

You need to modify the telemetry data.

Which Application Insights SDK 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	Answer Area	Requirement	Feature
Sampling		Reduce the volume of telemetry without affecting statistics.	
Telemetry initializer		Enrich telemetry with additional properties or override an existing one.	
Telemetry processor		Completely replace or discard a telemetry item.	
Telemetry channel			

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Features	Answer Area	Requirement	Feature
Sampling		Reduce the volume of telemetry without affecting statistics.	Sampling
Telemetry initializer		Enrich telemetry with additional properties or override an existing one.	Telemetry initializer
Telemetry processor		Completely replace or discard a telemetry item.	Telemetry processor
Telemetry channel			

NEW QUESTION 10

DRAG DROP - (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 Logic App must use Azure Monitor logs to record and store information about runtime data and events. The logs must be stored in the Azure Blob storage account.

You need to set up Azure Monitor logs and collect diagnostics data for the Azure Logic App.

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 action groups and alert rules.	
Create a Log Analytics workspace.	
Install the Logic Apps Management solution.	
Add a diagnostic setting to the Azure Function App.	
Create an Azure storage account.	
Add a diagnostic setting to the Azure Logic App.	

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Step 1: Create a Log Analytics workspace

Before you start, you need a Log Analytics workspace.

Step 2: Install the Logic Apps Management solution

To set up logging for your logic app, you can enable Log Analytics when you create your logic app, or you can install the Logic Apps Management solution in your Log Analytics workspace for existing logic apps.

Step 3: Add a diagnostic setting to the Azure Logic App Set up Azure Monitor logs

? In the Azure portal, find and select your logic app.

? On your logic app menu, under Monitoring, select Diagnostic settings > Add diagnostic setting.

NEW QUESTION 11

DRAG DROP - (Topic 8)

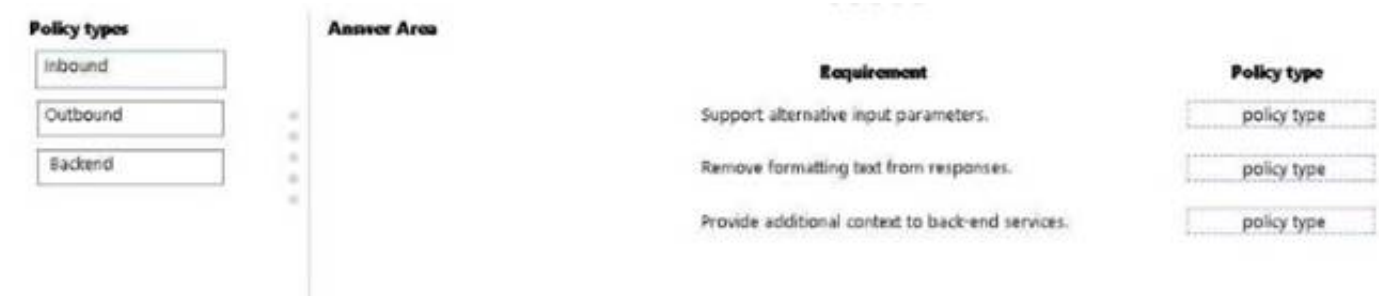
You have an application that provides weather forecasting data to external partners. You use Azure API Management to publish APIs.

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

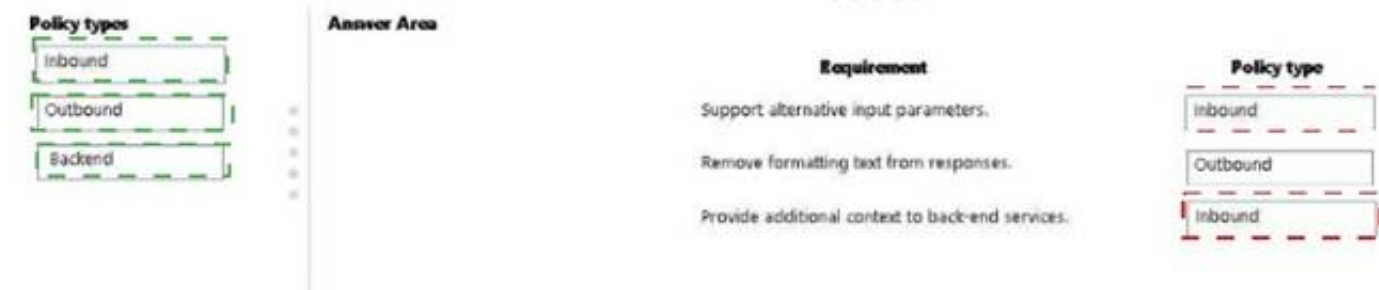
NOTE: Each correct selection is worth one point.



- A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 16

- (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 17

HOTSPOT - (Topic 8)

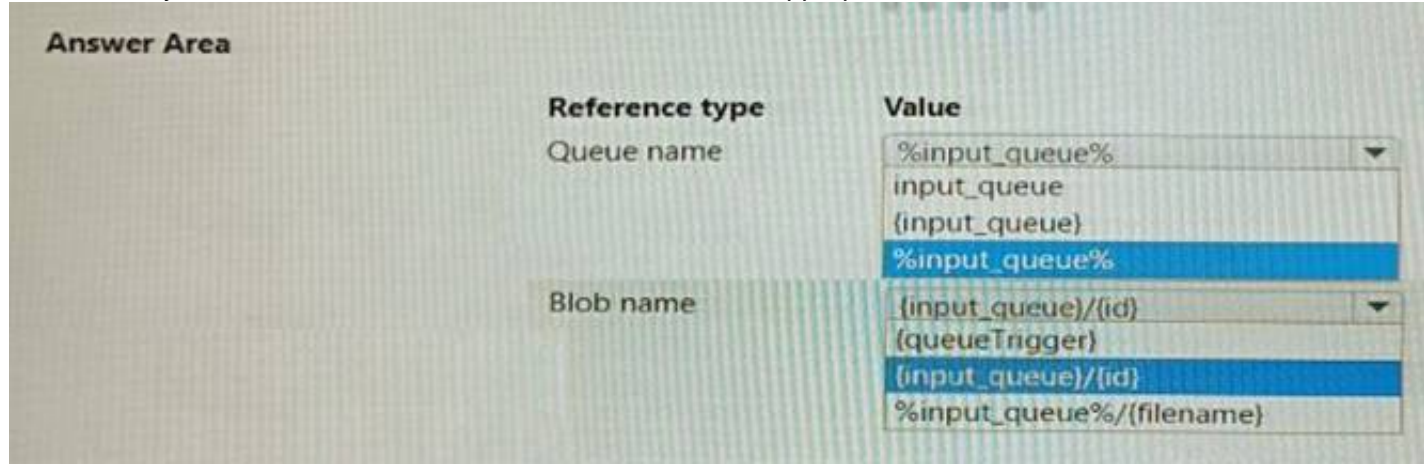
You plan to implement an Azure Functions app.

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.

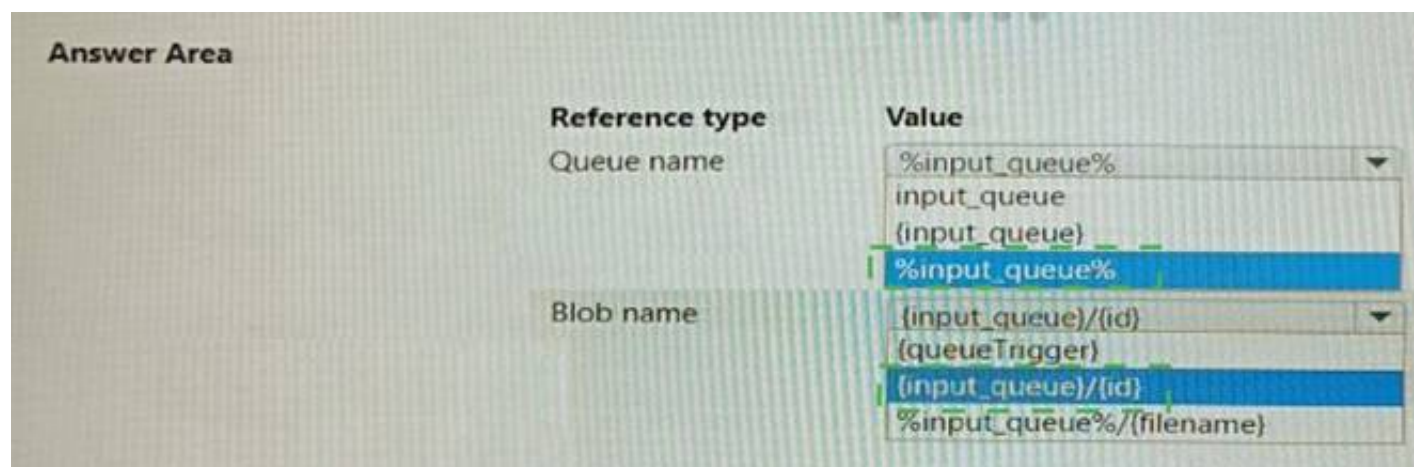
How should you reference the names? To answer, select the appropriate values in the answer area. NOTE: Each correct selection is worth one point.



- A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 19

- (Topic 8)

You a web application that provides access to legal documents that are stored on Azure Blob Storage with version level immutability policies. Documents are protected with both time-based policies legal hold policies. All time—based retention policies have AllowProtectedAppendWrites property enabled.

You have a requirement to prevent the user from attempting to perform operations that would fail only a legal is in effect and when all other are expired

You need to meet the requirement.

Which two operations you prevent?

- A. overwriting existing
- B. adding data to documents
- C. deleting documents
- D. creating document

Answer: AC

NEW QUESTION 22

- (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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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 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 23

- (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 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 24

- (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 28

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
\$gitrepo	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
```

▼

az webapp create

az appservice plan create

az webapp deployment

az group delete

```
--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
```

▼

--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 29

- (Topic 8)

You are developing an Azure-based web application. The application goes offline periodically to perform offline data processing. While the application is offline, numerous Azure Monitor alerts fire which result in the on-call developer being paged.

The application must always log when the application is offline for any reason.

You need to ensure that the on-call developer is not paged during offline processing. What should you do?

- A. Add Azure Monitor alert processing rules to suppress notifications.

- B. Create an Azure Monitor Metric Alert.
- C. Build an Azure Monitor action group that suppresses the alerts.
- D. Disable Azure Monitor Service Health Alerts during offline processing.

Answer: C

NEW QUESTION 31

- (Topic 8)

You are developing an e-commerce solution that uses a microservice architecture.

You need to design a communication backplane for communicating transactional messages between various parts of the solution. Messages must be communicated in first-in-first-out (FIFO) order.

What should you use?

- A. Azure Storage Queue
- B. Azure Event Hub
- C. Azure Service Bus
- D. Azure Event Grid

Answer: C

Explanation:

As a solution architect/developer, you should consider using Service Bus queues when:

? Your solution requires the queue to provide a guaranteed first-in-first-out (FIFO) ordered delivery.

Reference:

<https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-azure-and-service-bus-queues-compared-contrasted>

NEW QUESTION 36

HOTSPOT - (Topic 8)

You are developing an application that uses Azure Storage Queues. You have the following code:

```
CloudStorageAccount storageAccount = CloudStorageAccount.Parse
(CloudConfigurationManager.GetSetting("StorageConnectionString"));
CloudQueueClient queueClient = storageAccount.CreateCloudQueueClient()

CloudQueue queue = queueClient.GetQueueReference("appqueue") ;
await queue.CreateIfNotExistsAsync() ;

CloudQueueMessage peekedMessage = await queue.PeekMessageAsync() ;
if (peekedMessage != null)
{
    Console.WriteLine("The peeked message is: {0}", peekedMessage.AsString);
}
CloudQueueMessage message = await queue.GetMessageAsync() ;
```

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 code configures the lock duration for the queue.	<input type="radio"/>	<input type="radio"/>
The last message read remains in the queue after the code runs.	<input type="radio"/>	<input type="radio"/>
The storage queue remains in the storage account after the code runs.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: No

The QueueDescription.LockDuration property gets or sets the duration of a peek lock; that is, the amount of time that the message is locked for other receivers. The maximum value for LockDuration is 5 minutes; the default value is 1 minute.

Box 2: Yes

You can peek at the message in the front of a queue without removing it from the queue by calling the PeekMessage method.

Box 3: Yes

NEW QUESTION 39

DRAG DROP - (Topic 8)

You develop software solutions for a mobile delivery service. You are developing a mobile app that users can use to order from a restaurant in their area. The app uses the following workflow:

- * 1. A driver selects the restaurants for which they will deliver orders.
- * 2. Orders are sent to all available drivers in an area.
- * 3. Only orders for the selected restaurants will appear for the driver.

* 4. The first driver to accept an order removes it from the list of available orders.
You need to implement an Azure Service Bus solution.
Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions

Create a Service Bus topic for each restaurant for which a driver can receive messages.

Create a single Service Bus topic.

Create a single Service Bus subscription.

Create a single Service Bus Namespace.

Create a Service Bus Namespace for each restaurant for which a driver can receive messages.

Create a Service Bus subscription for each restaurant for which a driver can receive orders.

Answer area

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Create a single Service Bus Namespace
To begin using Service Bus messaging entities in Azure, you must first create a namespace with a name that is unique across Azure. A namespace provides a scoping container for addressing Service Bus resources within your application.
Box 2: Create a Service Bus Topic for each restaurant for which a driver can receive messages.
Create topics.
Box 3: Create a Service Bus subscription for each restaurant for which a driver can receive orders.

NEW QUESTION 44

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 46

- (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 47

- (Topic 8)

You are developing a solution that will use Azure messaging services.

You need to ensure that the solution uses a publish-subscribe model and eliminates the need for constant polling.

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

NOTE:Each correct selection is worth one point.

- A. Service Bus
- B. Event Hub
- C. Event Grid
- D. Queue

Answer: AC

Explanation:

It is strongly recommended to use available messaging products and services that support a publish-subscribe model, rather than building your own. In Azure, consider using Service Bus or Event Grid. Other technologies that can be used for pub/sub messaging include Redis, RabbitMQ, and Apache Kafka.

Reference:

<https://docs.microsoft.com/en-us/azure/architecture/patterns/publisher-subscriber>

NEW QUESTION 52

DRAG DROP - (Topic 8)

You are developing a .NET Core model-view controller (MVC) application hosted on Azure for a health care system that allows providers access to their information.

You develop the following code:

```
services.AddAuthorization (options =>
{
    options.AddPolicy("ProviderPartner", policy =>
    {
        .policy.AddAuthenticationSchemes("Cookie, Bearer");
        policy.RequireAuthenticatedUser();
        policy.RequireRole("ProviderAdmin", "SysAdmin");
        policy.RequireClaim("editor", "partner");
    });
});
```

You define a role named SysAdmin.

You need to ensure that the application meets the following authorization requirements:

? Allow the ProviderAdmin and SysAdmin roles access to the Partner controller regardless of whether the user holds an editor claim of partner.

? Limit access to the Manage action of the controller to users with an editor claim of partner who are also members of the SysAdmin role.

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.

```
services.AddAuthorization (options =>
{
    options.AddPolicy("ProviderPartner", policy =>
    {
        .policy.AddAuthenticationSchemes("Cookie, Bearer");
        policy.RequireAuthenticatedUser();
        policy.RequireRole("ProviderAdmin", "SysAdmin");
        policy.RequireClaim("editor", "partner");
    });
});
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1:

Allow the ProviderAdmin and SysAdmin roles access to the Partner controller regardless of whether the user holds an editor claim of partner.

Box 2:

Limit access to the Manage action of the controller to users with an editor claim of partner who are also members of the SysAdmin role.

NEW QUESTION 57

- (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 Windows VM that is triggered from Azure Service Bus Queue.

Does the solution meet the goal?

A. Yes

B. No

Answer: B

Explanation:

Don't use a VM, instead 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 60

HOTSPOT - (Topic 8)

You are developing a solution that uses the Azure Storage Client library for .NET. You have the following code: (Line numbers are included for reference only.)

```
01 CloudBlockBlob src = null;
02 try
03 {
04     src = container.ListBlobs().OfType<CloudBlockBlob>().FirstOrDefault();
05     var id = await src.AcquireLeaseAsync(null);
06     var dst = container.GetBlockBlobReference(src.Name);
07     string cpid = await dst.StartCopyAsync(src);
08     await dst.FetchAttributeAsync();
09     return id;
10 }
11 catch (Exception e)
12 {
13     throw;
14 }
15 finally
16 {
17     if (src != null)
18         await src.FetchAttributesAsync();
19     if (src.Properties.LeaseState != LeaseState.Available)
20         await src.BreakLeaseAsync(new TimeSpan(0));
21 }
```

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 code creates an infinite lease	<input type="radio"/>	<input type="radio"/>
The code at line 06 always creates a new blob	<input type="radio"/>	<input type="radio"/>
The finally block releases the lease	<input type="radio"/>	<input type="radio"/>

A. Mastered

B. Not Mastered

Answer: A

Explanation:

Box 1: Yes

AcquireLeaseAsync does not specify leaseTime.

leaseTime is a TimeSpan representing the span of time for which to acquire the lease, which will be rounded down to seconds. If null, an infinite lease will be acquired. If not null, this must be 15 to 60 seconds.

Box 2: No

The GetBlockBlobReference method just gets a reference to a block blob in this container.

Box 3: Yes

The BreakLeaseAsync method initiates an asynchronous operation that breaks the current lease on this container.

NEW QUESTION 62

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.

(op) ;

ExecuteBatch

Execute

Insert

InsertOrMerge

- 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 64

DRAG DROP - (Topic 8)

You develop a web application.

You need to register the application with an active Azure Active Directory (Azure AD) tenant.

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

Actions

Select **Manifest** from the middle-tier service registration.

In Enterprise Applications, select **New application**.

Add a Cryptographic key.

Create a new application and provide the name, account type, and redirect URL

Select the Azure AD instance.

Use an access token to access the secure resource.

In App Registrations, select **New registration**.

Answer Area

⬅

➡

⬆

⬆

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:
Register a new application using the Azure portal
? Sign in to the Azure portal using either a work or school account or a personal Microsoft account.
? If your account gives you access to more than one tenant, select your account in the upper right corner. Set your portal session to the Azure AD tenant that you want.
? Search for and select Azure Active Directory. Under Manage, select App registrations.
? Select New registration. (Step 1)
? In Register an application, enter a meaningful application name to display to users.
? Specify who can use the application. Select the Azure AD instance. (Step 2)
? Under Redirect URI (optional), select the type of app you're building: Web or Public client (mobile & desktop). Then enter the redirect URI, or reply URL, for your application. (Step 3)
? When finished, select Register.

NEW QUESTION 66
HOTSPOT - (Topic 8)
You are building a traffic monitoring system that monitors traffic along six highways. The system produces time series analysis-based reports for each highway. Data from traffic sensors are stored in Azure Event Hub.
Traffic data is consumed by four departments. Each department has an Azure Web App that displays the time-series-based reports and contains a WebJob that processes the incoming data from Event Hub. All Web Apps run on App Service Plans with three instances.
Data throughout must be maximized. Latency must be minimized. You need to implement the Azure Event Hub.
Which settings should you use? To answer, select the appropriate options in the answer area.
NOTE:Each correct selection is worth one point.

Setting

Value

Number of partitions

▼

3

4

6

12

Partition Key

▼

Highway

Department

Timestamp

VM name

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: 6
The number of partitions is specified at creation and must be between 2 and 32. There are 6 highways.
Box 2: Highway References:
<https://docs.microsoft.com/en-us/azure/event-hubs/event-hubs-features>

NEW QUESTION 68

- (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 71

HOTSPOT - (Topic 8)
You need to implement the Azure Function for delivery driver profile information. Which configurations should you use? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area

Configuration	Value
Code library	<div><div></div><div>Microsoft Authentication Library (MSAL)</div><div>Microsoft Azure Key Vault SDK</div><div>Azure Identity library</div></div>
API	<div><div></div><div>Microsoft Graph</div><div>Azure Active Directory Graph</div><div>Azure Key Vault</div></div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Code Library: MSAL API: Microsoft Graph
<https://docs.microsoft.com/en-us/azure/active-directory/develop/msal-overview>

NEW QUESTION 76

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
<input type="text" value="name"/>	<pre><policies> <[]> <[] []="APICounts" /> <base /> </[]> . . . </policies></pre>
<input type="text" value="inbound"/>	
<input type="text" value="outbound"/>	
<input type="text" value="set-variable"/>	
<input type="text" value="fragment-id"/>	
<input type="text" value="include-fragment"/>	

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 78

- (Topic 8)

Your company has several containers based on the following operating systems:

- Windows Server 2019 Nano Server
- Windows Server 2019 Server Core
- Windows Server 2022 Nano Server
- Windows Server 2022 Server Core
- Linux

You plan to migrate the containers to an Azure Kubernetes cluster. What is the minimum number of node pools that the cluster must have?

- A. 1
B. 2
C. 3
D. 6

Answer: C

NEW QUESTION 82

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

```
az provider register -n Microsoft.KeyVault
resourcegroup="myResourceGroup"
az group create --name $resourcegroup --location westus
keyvault_name=myvaultname$RANDOM
az [ ] create \
  vm [ ]lt_name \
  keyvault [ ]up $resourcegroup \
  keyvault key [ ]us \
  vm encryption [ ]
  --enabled-for-disk-encryption True
az [ ] create \
  vm [ ]Keyvault_name \
  keyvault [ ]
  keyvault key [ ]ftware
  vm encryption [ ]
az [ ] create \
  vm [ ]up $resourcegroup \
  keyvault [ ]
  keyvault key [ ]cal:UbuntuServer:16.04-LTS:latest \
  vm encryption [ ]
az [ ] enable \
  vm [ ]up $resourcegroup \
  keyvault [ ]
  keyvault key [ ]on-keyvault $keyvault_name \
  vm encryption [ ]on-key Name1 \
  --volume-type [ ]
  [ ]
  all
  data
  os
```

- 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 87

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

Inbound

Outbound

Backend

Answer Area

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Policy types

Inbound

Outbound

Backend

Answer Area

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

NEW QUESTION 91

HOTSPOT - (Topic 8)

You are developing an Azure Function App by using Visual Studio. The app will process orders input by an Azure Web App. The web app places the order information into Azure Queue Storage.

You need to review the Azure Function App code shown below.

```
public static class OrderProcessor
{
    [FunctionName("ProcessOrders")]
    public static void ProcessOrders([QueueTrigger("incoming-orders")]CloudQueueMessage myQueueItem, [Table("Orders")]ICollector<Order> tableBindings, TraceWriter log)
    {
        log.Info($"Processing Order: {myQueueItem.Id}");
        log.Info($"Queue Insertion Time: {myQueueItem.InsertionTime}");
        log.Info($"Queue Expiration Time: {myQueueItem.ExpirationTime}");
        tableBindings.Add(JsonConvert.DeserializeObject<Order>(myQueueItem.AsString));
    }
    [FunctionName("ProcessOrders-Poison")]
    public static void ProcessFailedOrders([QueueTrigger("incoming-orders-poison")]CloudQueueMessage myQueueItem, TraceWriter log)
    {
        log.Error($"Failed to process order: {myQueueItem.AsString}");
        // ...
    }
}
```

NOTE:Each correct selection is worth one point.

	Yes	No
The code will log the time that the order was processed from the queue.	<input type="radio"/>	<input type="radio"/>
When the ProcessOrders function fails, the function will retry up to five times for a given order, including the first try.	<input type="radio"/>	<input type="radio"/>
When there are multiple orders in the queue, a batch of orders will be retrieved from the queue and the ProcessOrders function will run multiple instances concurrently to process the orders.	<input type="radio"/>	<input type="radio"/>
The ProcessOrders function will output the order to an Orders table in Azure Table Storage.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: No

ExpirationTime - The time that the message expires.

InsertionTime - The time that the message was added to the queue.

Box 2: Yes

maxDequeueCount - The number of times to try processing a message before moving it to the poison queue. Default value is 5.

Box 3: Yes

When there are multiple queue messages waiting, the queue trigger retrieves a batch of messages and invokes function instances concurrently to process them. By default, the batch size is 16. When the number being processed gets down to 8, the runtime gets another batch and starts processing those messages. So the maximum number of concurrent messages being processed per function on one virtual machine (VM) is 24.

Box 4: Yes References:

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

NEW QUESTION 93

DRAG DROP - (Topic 8)

A company has multiple warehouse. Each warehouse contains IoT temperature devices which deliver temperature data to an Azure Service Bus queue. You need to send email alerts to facility supervisors immediately if the temperature at a warehouse goes above or below specified threshold temperatures. Which five actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions	Answer Area
Add a logic app trigger that fires when one or more messages arrive in the queue.	
Add a Recurrence trigger that schedules the app to run every 15 minutes.	
Add an action that sends an email to specified personnel if the temperature is outside of those thresholds.	
Add a trigger that reads IoT temperature data from a Service Bus queue.	
Add a logic app action that fires when one or more messages arrive in the queue.	
Add a condition that compares the temperature against the upper and lower thresholds.	
Create a blank Logic app.	
Add an action that reads IoT temperature data from the Service Bus queue.	

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Step 1: Create a blank Logic app. Create and configure a Logic App.

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

Under Triggers, select When one or more messages arrive in a queue (auto-complete). Step 3: Add an action that reads IoT temperature data from the Service Bus queue

Step 4: Add a condition that compares the temperature against the upper and lower thresholds.

Step 5: Add an action that sends an email to specified personnel if the temperature is outside of those thresholds

NEW QUESTION 96

- (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 VM that is triggered from Azure Storage Queue events.

Does the solution meet the goal?

- A. Yes
B. No

Answer: B

Explanation:

Don't use a VM, instead 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 97

- (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 bycalling 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 99

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 104

- (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 109

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 110

HOTSPOT - (Topic 8)

You are using Azure Front Door Service.

You are expecting inbound files to be compressed by using Brotli compression. You discover that inbound XML files are not compressed. The files are 9 megabytes (MB) in size.

You need to determine the root cause for the issue.

To answer, select the appropriate options in the answer area.

NOTE:Each correct selection is worth one point.

Statement	Yes	No
The file MIME type is supported by the service.	<input type="radio"/>	<input type="radio"/>
Edge nodes must be purged of all cache assets.	<input type="radio"/>	<input type="radio"/>
The compression type is supported.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Box 1: No

Front Door can dynamically compress content on the edge, resulting in a smaller and faster response to your clients. All files are eligible for compression.

However, a file must be of a MIME type that is eligible for compression list.

Box 2: No

Sometimes you may wish to purge cached content from all edge nodes and force them all to retrieve new updated assets. This might be due to updates to your web application, or to quickly update assets that contain incorrect information.

Box 3: Yes

These profiles support the following compression encodings: Gzip (GNU zip), Brotli

NEW QUESTION 114

- (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 117

- (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 secret
- B. Redirect URI/URL
- C. Application name
- D. Supported account type
- E. Application ID

Answer: ABE

NEW QUESTION 120

HOTSPOT - (Topic 8)

You are developing an application that uses Azure Storage to store customer data. The data must only be decrypted by the customer and the customer must be provided a script to rotate keys.

You need to provide a script to rotate keys to the customer.

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

NOTE: Each correct selection is worth one point.

```
$h = $(az keyvault show --hsm-name --query "properties.hsmUri"
$x = az keyvault list-versions --name ""
--vault-name ""
az storage account secret
--name \
--resource-group recover
--resource-group certificate
--encryption-key-name \
--encryption-key-version $x \
--encryption-key-source
--encryption-key-vault $h
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

```
$h = $(az keyvault show --hsm-name --query "properties.hsmUri"
$x = az keyvault list-versions --name ""
--vault-name ""
az storage account secret
--name \
--resource-group recover
--resource-group certificate
--encryption-key-name \
--encryption-key-version $x \
--encryption-key-source
--encryption-key-vault $h
```


NEW QUESTION 122

- (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 Azure Cache for Redis. Update the web applications.

Does the solution meet the goal?

A. Yes

B. No

Answer: A

Explanation:

The session state provider for Azure Cache for Redis enables you to share session information between different instances of an ASP.NET web application.

The same connection can be used by multiple concurrent threads. Redis supports both read and write operations.

The output cache provider for Azure Cache for Redis enables you to save the HTTP responses generated by an ASP.NET web application.

Note: Using the Azure portal, you can also configure the eviction policy of the cache, and control access to the cache by adding users to the roles provided. These roles, which define the operations that members can perform, include Owner, Contributor, and Reader. For example, members of the Owner role have complete control over the cache (including security) and its contents, members of the Contributor role can read and write information in the cache, and members of the Reader role can only retrieve data from the cache.

Reference:

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

NEW QUESTION 125

- (Topic 8)

You are developing an application to manage shipping information for cargo ships. The application will use Azure Cosmos D8 for storage.

The application must run offline when ships are at sea The application must be connected to Azure when ships are in port.

Which Azure Cosmos D8 API should you use for the application?

A. Core

B. MongoDe

C. Cassandra

D. Gremlin

Answer: C

NEW QUESTION 129

- (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 132

- (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 136

- (Topic 8)

You are implementing an Azure API app that uses built-in authentication and authorization functionality.

All app actions must be associated with information about the current user. You need to retrieve the information about the current user.

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

NOTE: Each correct selection is worth one point.

- A. HTTP headers
- B. environment variables
- C. /.auth/me HTTP endpoint
- D. /.auth/login endpoint

Answer: AC

Explanation:

A: After App Service Authentication has been configured, users trying to access your API are prompted to sign in with their organizational account that belongs to the same Azure AD as the Azure AD application used to secure the API. After signing in, you are able to access the information about the current user through the HttpContext.Current.User property.

C: While the server code has access to request headers, client code can access GET

/.auth/me to get the same access tokens (

References:

<https://docs.microsoft.com/en-us/azure/app-service/app-service-web-tutorial-auth-aad>

<https://docs.microsoft.com/en-us/sharepoint/dev/spfx/web-parts/guidance/connect-to-api-secured-with-aad>

NEW QUESTION 140

- (Topic 8)

You develop an app that allows users to upload photos and videos to Azure storage. The app uses a storage REST API call to upload the media to a blob storage account named Account1. You have blob storage containers named Container1 and Container2. Uploading of videos occurs on an irregular basis.

You need to copy specific blobs from Container1 to Container2 in real time when specific requirements are met, excluding backup blob copies. What should you do?

- A. Download the blob to a virtual machine and then upload the blob to Container2.
- B. Run the Azure PowerShell command Start-AzureStorageBlobCopy.
- C. Copy blobs to Container2 by using the Put Blob operation of the Blob Service REST API.
- D. Use AzCopy with the Snapshot switch blobs to Container2.

Answer: B

Explanation:

The Start-AzureStorageBlobCopy cmdlet starts to copy a blob. Example 1: Copy a named blob

C:\PS>Start-AzureStorageBlobCopy -SrcBlob "ContosoPlanning2015" -DestContainer "ContosoArchives" -SrcContainer "ContosoUploads"

This command starts the copy operation of the blob named ContosoPlanning2015 from the container named ContosoUploads to the container named ContosoArchives.

References:

<https://docs.microsoft.com/en-us/powershell/module/azure.storage/start-azurestorageblobcopy?view=azurermps-6.13.0>

NEW QUESTION 145

- (Topic 8)

You are creating an Azure key vault using PowerShell. Objects deleted from the key vault must be kept for a set period of 90 days.

Which two of the following parameters must be used in conjunction to meet the requirement? (Choose two.)

- A. EnabledForDeployment
- B. EnablePurgeProtection
- C. EnabledForTemplateDeployment
- D. EnableSoftDelete

Answer: BD

NEW QUESTION 149

HOTSPOT - (Topic 8)

You plan to deploy a web app to App Service on Linux. You create an App Service plan. You create and push a custom Docker image that image that contains the web app to Azure Container Registry.

You need to access the console logs generated from inside the container in real-time. How should you complete the Azure CLI command? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

az webapp log

config

download

show

tail

--name ContosoWeb --resource-group ContosoDevRG

filesystem

--web-server-logging

--docker-container-logging

--application-logging

az

webapp

acr

aks

log

config

download

show

tail

--name ContosoWeb --resource-group ContosoDevRG

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Box 1: config
To Configure logging for a web app use the command: az webapp log config
Box 2: --docker-container-logging Syntax include:
az webapp log config [--docker-container-logging {filesystem, off}]
Box 3: webapp
To download a web app's log history as a zip file use the command: az webapp log download
Box 4: download References:
<https://docs.microsoft.com/en-us/cli/azure/webapp/log>

NEW QUESTION 152

DRAG DROP - (Topic 8)
You are creating a script that will run a large workload on an Azure Batch pool. Resources will be reused and do not need to be cleaned up after use.
You have the following parameters:

Parameter name	Description
\$script	the script that will run across the batch pool
\$image	the image that pool worker processes will use
\$sku	the node agent SKU Id
\$numberOfJobs	the number of jobs to run

You need to write an Azure CLI script that will create the jobs, tasks, and the pool.
In which order should you arrange the commands to develop the solution? To answer, move the appropriate commands from the list of command segments to the answer area and arrange them in the correct order.

Command segments

az batch pool create
--id mypool --vm-size Standard_A1_v2
--target-dedicated-nodes 2
--image \$image
--node-agent-sku-id \$sku

az batch job
create
--id myjob
--pool-id mypool

for i in {1..\$numberOfJobs}
do

az batch task create
--task-id mytask\$i
--job-id myjob
--command-line \$script

Answer Area

<

>

↑

↓

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Step 1: az batch pool create

Create a new Linux pool with a virtual machine configuration. az batch pool create \

--id mypool \

--vm-size Standard_A1 \

--target-dedicated 2 \

--image canonical:ubuntu:16.04-LTS \

--node-agent-sku-id "batch.node.ubuntu 16.04"

Step 2: az batch job create

Create a new job to encapsulate the tasks that are added. az batch job create \

--id myjob \

--pool-id mypool

Step 3: az batch task create

Add tasks to the job. Here the task is a basic shell command. az batch task create \

--job-id myjob \

--task-id task1 \

--command-line "/bin/bash -c 'printenv AZ_BATCH_TASK_WORKING_DIR'" Step 4: for i in {1..\$numberOfJobs} do

References:

<https://docs.microsoft.com/bs-latn-ba/azure/batch/scripts/batch-cli-sample-run-job>

NEW QUESTION 153

HOTSPOT - (Topic 8)

You are developing an Azure App Service hosted ASP.NET Core web app to deliver video on-demand streaming media. You enable an Azure Content Delivery Network (CDN) Standard for the web endpoint. Customer videos are downloaded from the web app by using the following example URL.:

<http://www.contoso.com/content.mp4?quality=1>

All media content must expire from the cache after one hour. Customer videos with varying quality must be delivered to the closest regional point of presence (POP) node.

You need to configure Azure CDN caching rules.

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

NOTE:Each correct selection is worth one point.

Setting	Action
Caching behavior	<div><div></div><div>Bypass cache</div><div>Override</div><div>Set if missing</div></div>
Cache expiration duration	<div><div></div><div>1 second</div><div>1 minute</div><div>1 hour</div><div>1 day</div></div>
Query string caching behavior	<div><div></div><div>Ignore query strings</div><div>Bypass caching for query strings</div><div>Cache every unique URL</div></div>

A. Mastered

B. Not Mastered

Answer: A

Explanation:

Box 1: Override

Override: Ignore origin-provided cache duration; use the provided cache duration instead. This will not override cache-control: no-cache.

Set if missing: Honor origin-provided cache-directive headers, if they exist; otherwise, use the provided cache duration.

Incorrect:

Bypass cache: Do not cache and ignore origin-provided cache-directive headers.

Box 2: 1 hour

All media content must expire from the cache after one hour.

Box 3: Cache every unique URL

Cache every unique URL: In this mode, each request with a unique URL, including the query string, is treated as a unique asset with its own cache. For example, the response from the origin server for a request for example.ashx?q=test1 is cached at the POP node and returned for subsequent caches with the same query string. A request for example.ashx?q=test2 is cached as a separate asset with its own time-to-live setting.

NEW QUESTION 157

- (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.

You are developing a solution that will be deployed to an Azure Kubernetes Service (AKS) cluster. The solution will include a custom VNet, Azure Container

Registry images, and an Azure Storage account.
The solution must allow dynamic creation and management of all Azure resources within the AKS cluster.
You need to configure an AKS cluster for use with the Azure APIs.
Solution: Enable the Azure Policy Add-on for Kubernetes to connect the Azure Policy service to the GateKeeper admission controller for the AKS cluster. Apply a built-in policy to the cluster.
Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:
Instead create an AKS cluster that supports network policy. Create and apply a network to allow traffic only from within a defined namespace
References:
<https://docs.microsoft.com/en-us/azure/aks/use-network-policies>

NEW QUESTION 160

DRAG DROP - (Topic 8)
You are developing a new page for a website that uses Azure Cosmos DB for data storage. The feature uses documents that have the following format:

```
{
  "name": "John",
  "city" : "Seattle"
}
```

You must display data for the new page in a specific order. You create the following query for the page:

```
SELECT*
FROM People p
ORDER BY p.name, p.city DESC
```

You need to configure a Cosmos DB policy to the support the query.
How should you configure the policy? To answer, drag the appropriate JSON segments to the correct locations. Each JSON 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.

JSON segments

orderBy

sortOrder

ascending

descending

compositeIndexes

Answer Area

```
{
  "automatic": true,
  "ngMode": "Consistent",
  "includedPaths": [
    {
      "path": "/*"
    }
  ],
  "excludedPaths": [],
  "": [
    [
      {
        "path": "/name", "order": "descending"
      },
      {
        "path": "/city", "order": " "
      }
    ]
  ]
}
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:
Box 1: compositeIndexes
You can order by multiple properties. A query that orders by multiple properties requires a composite index.
Box 2: descending
Example: Composite index defined for (name ASC, age ASC):
It is optional to specify the order. If not specified, the order is ascending.
{
"automatic":true, "indexingMode":"Consistent", "includedPaths":[
{
"path":"/*"
}]}

```
],
"excludedPaths":[], "compositeIndexes":[ [
{
"path":"/name",
},
{
"path":"/age",
}
]
]
}
```

NEW QUESTION 162

HOTSPOT - (Topic 8)

You are developing a C++ application that compiles to a native application named process.exe. The application accepts images as input and returns images in one of the following image formats: GIF, PNG, or JPEG.

You must deploy the application as an Azure Function. You need to configure the function and host json files.

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

NOTE:Each correct selection is worth one point.

function.json

“type”: “http”

“platform”: “gcm”

“datatype”: “stream”

“path”: “process.exe”

“direction”: “out”,

“name” : “result”

}

host.json

“customHandler”: { “description”: {

“languageWorker”: { “path”: {

“extensions”: { “worker”: {

“extensionBundle”: {

“defaultExecutablePath”: “process.exe”

},

“enableForwardingHttpRequest”: true

“enableForwardingHttpRequest”: false

}

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:


```
function.json
{
  "type": "http",
  "platform": "gcm",
  "datatype": "stream",
  "path": "process.exe",

  "direction": "out",
  "name": "result"
}
host.json
{
  "customHandler": { "description": {
    "languageWorker": { "path": {
      "extensions": { "worker": {
        "extensionBundle": {

          "defaultExecutablePath": "process.exe"
        }
      },
      "enableForwardingHttpRequest": true
    }
  }
}
```

NEW QUESTION 166

HOTSPOT - (Topic 8)

You are building a software-as-a-service (SaaS) application that analyzes DNA data that will run on Azure virtual machines (VMs) in an availability zone. The data is stored on managed disks attached to the VM. The performance of the analysis is determined by the speed of the disk attached to the VM.

You have the following requirements:

- The application must be able to quickly revert to the previous day's data if a systemic error is detected.
- The application must minimize downtime in the case of an Azure datacenter outage.

You need to provision the managed disk for the VM to maximize performance while meeting the requirements. Which type of Azure Managed Disk should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Requirement	Solution
Disk type	<div> Premium SSD Premium SSD Standard SSD Standard HDD </div>
Redundancy	<div> Geo-redundant storage (GRS) Geo-redundant storage (GRS) Zone-redundant storage (ZRS) Locally-redundant storage (LRS) </div>

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Requirement	Solution
Disk type	<div> Premium SSD Premium SSD Standard SSD Standard HDD </div>
Redundancy	<div> Geo-redundant storage (GRS) Geo-redundant storage (GRS) Zone-redundant storage (ZRS) Locally-redundant storage (LRS) </div>

NEW QUESTION 171

- (Topic 8)

You are developing an Azure function that connects to an Azure SQL Database instance. The function is triggered by an Azure Storage queue.

You receive reports of numerous System.InvalidOperationExceptions with the following message: "Timeout expired. The timeout period elapsed prior to obtaining a connection from the pool. This may have occurred because all pooled connections were in use and max pool size was reached."
You need to prevent the exception. What should you do?

- A. In the host.json file, decrease the value of thebatchSizeoption
- B. Convert the trigger to Azure Event Hub
- C. Convert the Azure Function to the Premium plan
- D. In the function.json file, change the value of thetypeoption toqueueScaling

Answer: A

Explanation:

With the Premium plan the max outbound connections per instance is unbounded compared to the 600 active (1200 total) in a Consumption plan.

Note: The number of available connections is limited partly because a function app runs in

a sandbox environment. One of the restrictions that the sandbox imposes on your code is a limit on the number of outbound connections, which is currently 600 active (1,200 total) connections per instance. When you reach this limit, the functions runtime writes the following message to the logs: Host thresholds exceeded: Connections.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-functions/manage-connections> <https://docs.microsoft.com/en-us/azure/azure-functions/functions-scale#service-limits>

NEW QUESTION 172

DRAG DROP - (Topic 8)

You are preparing to deploy a medical records application to an Azure virtual machine (VM). The application will be deployed by using a VHD produced by an on-premises build server.

You need to ensure that both the application and related data are encrypted during and after deployment to Azure.

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

- Encrypt the on-premises VHD by using BitLocker without a TPM. Upload the VM to Azure Storage.
- Run the Azure PowerShell command Set-AzureRmVMDiskEncryptionExtension.
- Run the Azure PowerShell command Set-AzureRmVMOsdisk.
- Encrypt the on-premises VHD by using BitLocker with a TPM. Upload the VM to Azure Storage.
- Run the Azure PowerShell command New-AzureRmVM.

Answer area

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: Encrypt the on-premises VHD by using BitLocker without a TPM. Upload the VM to Azure Storage

Step 2: Run the Azure PowerShell command Set-AzureRmVMOsdisk

To use an existing disk instead of creating a new disk you can use the Set- AzureRmVMOsdisk command.

Example:

```
$osDiskName = $vmname+'_osDisk'
```

```
$osDiskCaching = 'ReadWrite'
```

```
$osDiskVhdUri = "https://$storage.blob.core.windows.net/vhds/" + $vmname + "_os.vhd"
```

```
$vm = Set-AzureRmVMOsdisk -VM $vm -VhdUri $osDiskVhdUri -name $osDiskName - Create
```

Step 3: Run the Azure PowerShell command Set-AzureRmVMDiskEncryptionExtension Use the Set-AzVMDiskEncryptionExtension cmdlet to enable encryption on a running IaaS virtual machine in Azure.

Incorrect:

Not TPM: BitLocker can work with or without a TPM. A TPM is a tamper resistant security chip on the system board that will hold the keys for encryption and check the integrity of the boot sequence and allows the most secure BitLocker implementation. A VM does not have a TPM.

References:

<https://www.itprotoday.com/iaaspaas/use-existing-vhd-azurerm-vm>

NEW QUESTION 176

- (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: Create an Azure Function app that uses the Consumption hosting model and that is triggered from the blob upload.

Does the solution meet the goal?

- A. Yes

B. No

Answer: A

Explanation:

In the Consumption hosting plan, resources are added dynamically as required by your functions.

Reference:

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

NEW QUESTION 181

HOTSPOT - (Topic 8)

You develop and deploy a web app to Azure App service. The web app allows users to authenticate by using social identity providers through the Azure B2C service. All user profile information is stored in Azure B2C.

You must update the web app to display common user properties from Azure B2C to include the following information:

? Email address

? Job title

? First name

? Last name

? Office Location

You need to implement the user properties in the web app.

Requirement	Value
API to access user properties	<div><div></div><div>Microsoft Graph Azure AD Graph Azure Key Vault Azure AD entitlement management</div></div>
Code library to interface to Azure AD B2C	<div><div></div><div>Microsoft Authentication Library (MSAL) Microsoft Azure Key Vault SDK Azure Identity library</div></div>

A. Mastered

B. Not Mastered

Answer: A

Explanation:

Requirement	Value
API to access user properties	<div><div></div><div>Microsoft Graph Azure AD Graph Azure Key Vault Azure AD entitlement management</div></div>
Code library to interface to Azure AD B2C	<div><div></div><div>Microsoft Authentication Library (MSAL) Microsoft Azure Key Vault SDK Azure Identity library</div></div>

NEW QUESTION 184

- (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: Run the Invoke-RestMethod cmdlet to make a request to the local managed identity for Azure resources endpoint.

Does the solution meet the goal?

A. Yes

B. No

Answer: A

Explanation:

Get an access token using the VM's system-assigned managed identity and use it to call Azure Resource Manager

You will need to use PowerShell in this portion.

? In the portal, navigate to Virtual Machines and go to your Windows virtual machine and in the Overview, click Connect.

? Enter in your Username and Password for which you added when you created the

Windows VM.

? Now that you have created a Remote Desktop Connection with the virtual machine, open PowerShell in the remote session.

? Using the Invoke-WebRequest cmdlet, make a request to the local managed identity for Azure resources endpoint to get an access token for Azure Resource Manager.

Example:

```
$response = Invoke-WebRequest -Uri 'http://169.254.169.254/metadata/identity/oauth2/token?api-version=2018-02-01&resource=https://management.azure.com/'  
-Method GET -Headers @{Metadata="true"}
```

Reference:

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

NEW QUESTION 188

- (Topic 8)

You are developing an Azure Function App that generates end of day reports (or retail stores. All stores dose at 11 PM each day. Reports must be run one hour after dosing. You configure the function to use a Timer trigger that runs at midnight Customers in the Western United States Pacific Time zone (UTC - 8) report that the Azure Function runs before the stores dose. You need to ensure that the Azure Function runs at midnight in the Pacific Time zone. What should you do?

- A. Configure the Azure Function to run in the West US region.
- B. Add an app setting named WEBSITE_TIME_ZONE that uses the value Pacific Standard Time
- C. Change the Timer trigger to run at 7 AM
- D. Update the Azure Function to a Premium plan.

Answer: A

NEW QUESTION 193

- (Topic 8)

You are developing a Java application that uses Cassandra to store key and value data. You plan to use a new Azure Cosmos DB resource and the Cassandra API in the application. You create an Azure Active Directory (Azure AD) group named Cosmos DB Creatorsto enable provisioning of Azure Cosmos accounts, databases, and containers.

The Azure AD group must not be able to access the keys that are required to access the data.

You need to restrict access to the Azure AD group. Which role-based access control should you use?

- A. DocumentDB Accounts Contributor
- B. Cosmos Backup Operator
- C. Cosmos DB Operator
- D. Cosmos DB Account Reader

Answer: C

Explanation:

Azure Cosmos DB now provides a new RBAC role, Cosmos DB Operator. This new role lets you provision Azure Cosmos accounts, databases, and containers, but can't access the keys that are required to access the data. This role is intended for use in scenarios

where the ability to grant access to Azure Active Directory service principals to manage deployment operations for Cosmos DB is needed, including the account, database, and containers.

Reference:

<https://azure.microsoft.com/en-us/updates/azure-cosmos-db-operator-role-for-role-based-access-control-rbac-is-now-available/>

NEW QUESTION 198

HOTSPOT - (Topic 8)

A company is developing a mobile app for field service employees using Azure App Service Mobile Apps as the backend.

The company's network connectivity varies throughout the day. The solution must support offline use and synchronize changes in the background when the app is online app.

You need to implement the solution.

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.

```
var client = new MobileServiceClient("MOBILE_APP_URL");  
var store = new MobileServicesQLLiteStore  
(Constants.OfflineDbPath);  
store.DefineTable<TodoItem>();  
await client.SyncContext.IntitalizeAsync(store);
```

	▼
var todoTable = client.GetSyncTable<TodoItem>();	
var todoTable = client.GetTable<TodoItem>();	
var todoTable = client.SyncTable;	
var todoTable = client.Table;	

```
await client.SyncContext.PushAsync();
```

	▼
await todoTable.PullAsync("allTodoItems",todoTable.CreateQuery());	
await todoTable.UpdateAsync();	
todoTable.PullAsync("allTodoItems", todoTable.CreateQuery());	
todoTable.UpdateAsync();	

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Box 1: var todoTable = client GetSyncTable<TodoItem>()

To setup offline access, when connecting to your mobile service, use the method GetSyncTable instead of GetTable (example):

IMobileServiceSyncTable todoTable = App.MobileService.GetSyncTable(); / Box 2: await todoTable.PullAsync("allTodoItems",todo.Table.CreateQuery());

Your app should now use IMobileServiceSyncTable (instead of IMobileServiceTable) for

CRUD operations. This will save changes to the local database and also keep a log of the changes. When the app is ready to synchronize its changes with the Mobile Service, use the methods PushAsync and PullAsync (example):

await App.MobileService.SyncContext.PushAsync(); await todoTable.PullAsync();

References:

<https://azure.microsoft.com/es-es/blog/offline-sync-for-mobile-services/>

NEW QUESTION 202

HOTSPOT - (Topic 8)

ASP.NET Core API app by using C#. The API app will allow users to authenticate by using Twitter and Azure Active Directory (Azure AD).

Users must be authenticated before calling API methods. You must log the user's name for each method call.

You need to configure the API method calls.

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

NOTE: Each correct selection is worth one point.

Code segment

Value

Attribute

	▼
Authorize	
AllowAnonymous	
AutoValidateAntiforgeryToken	

Request Header

	▼
X-MS-CLIENT-PRINCIPAL-NAME	
Proxy-Authorization	
X-Forwarded-For	
X-MS-CLIENT-PRINCIPAL-ID	

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Box 1: Authorize

Box 2: X-MS-CLIENT-PRINCIPAL-NAME

App Service passes user claims to your application by using special headers. External requests aren't allowed to set these headers, so they are present only if set by App Service. Some example headers include:

X-MS-CLIENT-PRINCIPAL-NAME X-MS-CLIENT-PRINCIPAL-ID

Here's the set of headers you get from Easy Auth for a Twitter authenticated user:

```
{
  "cookie": "AppServiceAuthSession=Lx43...xHDTA==",
  "x-ms-client-principal-name": "evilSnobu", "x-ms-client-principal-id": "35....",
  "x-ms-client-principal-idp": "twitter",
  "x-ms-token-twitter-access-token": "35...Dj",
  "x-ms-token-twitter-access-token-secret": "OK3...Jx",
}
```

References:

<https://docs.microsoft.com/en-us/azure/app-service/app-service-authentication-how-to>

NEW QUESTION 205

- (Topic 8)

You are designing a web application to manage user satisfaction surveys. The number of questions that a survey includes is variable.

Application users must be able to display results for a survey as quickly as possible. Users must also be able to quickly compute statistical measures including average values across various groupings of answers.

Which Azure Cosmos DB API should you use for the application?

- A. Core
- B. Mongo DB
- C. Gremlin
- D. Table API

Answer: D

NEW QUESTION 206

- (Topic 8)

You are developing a medical records document management website. The website is used to store scanned copies of patient intake forms. If the stored intake forms are downloaded from storage by a third party, the content of the forms must not be compromised.

You need to store the intake forms according to the requirements. Solution:

? uk.co.certification.simulator.questionpool.PList@2ffbc590 Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Instead use an Azure Key vault and public key encryption. Store the encrypted from in Azure Storage Blob storage.

NEW QUESTION 208

DRAG DROP - (Topic 8)

You are developing an Azure-hosted application that must use an on-premises hardware security module (HSM) key.

The key must be transferred to your existing Azure Key Vault by using the Bring Your Own Key (BYOK) process.

You need to securely transfer the key to Azure Key Vault.

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
Generate a key transfer blob file by using the HSM vendor-provided tool.	
Generate a Key Exchange Key (KEK).	
Create a custom policy definition in Azure Policy.	
Run the az keyvault key import command.	
Run the az keyvault key restore command.	
Retrieve the Key Exchange Key (KEK) public key.	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

To perform a key transfer, a user performs following steps:

? Generate KEK.

? Retrieve the public key of the KEK.

? Using HSM vendor provided BYOK tool - Import the KEK into the target HSM and exports the Target Key protected by the KEK.

? Import the protected Target Key to Azure Key Vault.

Step 1: Generate a Key Exchange Key (KEK).

Step 2: Retrieve the Key Exchange Key (KEK) public key.

Step 3: Generate a key transfer blob file by using the HSM vendor-provided tool. Generate key transfer blob using HSM vendor provided BYOK tool

Step 4: Run the az keyvault key import command Upload key transfer blob to import HSM-key.

Customer will transfer the Key Transfer Blob (".byok" file) to an online workstation and then run a az keyvault key import command to import this blob as a new HSM-backed key into Key Vault.

To import an RSA key use this command: az keyvault key import

NEW QUESTION 209

- (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 SearchServiceClient 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. Set the DataSources property of the SearchServiceClient.

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 213

HOTSPOT - (Topic 8)

You are developing an application to collect the following telemetry data for delivery drivers: first name, last name, package count, item id, and current location coordinates.

The app will store the data in Azure Cosmos DB.

You need to configure Azure Cosmos DB to query the data.

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

NOTE:Each correct selection is worth one point.

Configuration Parameter**Value**

Azure Cosmos DB API

	▼
Gremlin	
Table API	
Core (SQL)	

Azure Cosmos DB partition key

	▼
first name	
last name	
package count	
item id	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Core (SQL)

Core(SQL) API stores data in document format. It offers the best end-to-end experience as

we have full control over the interface, service, and the SDK client libraries. SQL API supports analytics and offers performance isolation between operational and analytical workloads.

Box 2: item id

item id is a unique identifier and is suitable for the partition key.

NEW QUESTION 214

- (Topic 8)

You develop an app that allows users to upload photos and videos to Azure storage. The app uses a storage REST API call to upload the media to a blob storage account named Account1. You have blob storage containers named Container1 and Container2.

Uploading of videos occurs on an irregular basis.

You need to copy specific blobs from Container1 to Container2 when a new video is uploaded.

What should you do?

- A. Copy blobs to Container2 by using thePut Bloboperation of the Blob Service REST API
- B. Create anEvent Gridtopic that uses theStart-AzureStorageBlobCopycmdlet
- C. UseAzCopywith theSnapshotswitch to copy blobs to Container2
- D. Download the blob to a virtual machine and then upload the blob to Container2

Answer: B

Explanation:

The Start-AzureStorageBlobCopy cmdlet starts to copy a blob. Example 1: Copy a named blob

C:\PS>Start-AzureStorageBlobCopy -SrcBlob "ContosoPlanning2015" -DestContainer "ContosoArchives" -SrcContainer "ContosoUploads"

This command starts the copy operation of the blob named ContosoPlanning2015 from the container named ContosoUploads to the container named ContosoArchives.

Reference:

<https://docs.microsoft.com/en-us/powershell/module/azure.storage/start-azurestorageblobcopy?view=azurermps-6.13.0>

NEW QUESTION 216

DRAG DROP - (Topic 8)

You are developing a solution for a hospital to support the following use cases:

- The most recent patient status details must be retrieved even if multiple users in different locations have updated the patient record.
- Patient health monitoring data retrieved must be the current version or the prior version.
- After a patient is discharged and all charges have been assessed, the patient billing record contains the final charges.

You provision a Cosmos DB NoSQL database and set the default consistency level for the database account to Strong. You set the value for Indexing Mode to Consistent.

You need to minimize latency and any impact to the availability of the solution. You must override the default consistency level at the query level to meet the required consistency guarantees for the scenarios.

Which consistency levels should you implement? To answer, drag the appropriate consistency levels to the correct requirements. Each consistency level 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.

Consistency levels		Answer Area
Strong	Bounded Staleness	Return the most recent patient status.
Consistent Prefix	Eventual	Return health monitoring data that is no less than one version behind.
		After patient is discharged and all charges are assessed, retrieve the correct billing data with the final charges

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Strong

Strong: Strong consistency offers a linearizability guarantee. The reads are guaranteed to return the most recent committed version of an item. A client never sees an uncommitted or partial write. Users are always guaranteed to read the latest committed write.

Box 2: Bounded staleness

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. 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

Box 3: Eventual

Eventual: There's no ordering guarantee for reads. In the absence of any further writes, the replicas eventually converge.

NEW QUESTION 217

- (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: Trigger the photo processing from Blob storage events. Does the solution meet the goal?

- A. Yes
- B. NO

Answer: B

Explanation:

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

Note: 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.

Events are pushed using Azure Event Grid to subscribers such as Azure Functions, Azure Logic Apps, or even to your own http listener.

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 222

- (Topic 8)

You are developing an application to store information about the organizational structure for a company.

Users must be able to determine which people report to a particular manager, the office where employees work, and the projects that are assigned to an employee.

Which Azure Cosmos DB API should you use for the application?

- A. Core
- B. Cassandra
- C. Table API
- D. Gremlin
- E. MongoDB

Answer: E

NEW QUESTION 224

HOTSPOT - (Topic 8)

A software as a service (SaaS) company provides document management services. The company has a service that consists of several Azure web apps. All Azure web apps run in an Azure App Service Plan named PrimaryASP.

You are developing a new web service by using a web app named ExcelParser. The web app contains a third-party library for processing Microsoft Excel files. The license for the third-party library stipulates that you can only run a single instance of the library.

You need to configure the service.

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

NOTE:Each correct selection is worth one point.

Answer Area

```
Set-AzAppServicePlan `
  -ResourceGroupName $rg `
  -Name "PrimaryASP" `
```

	▼
NumberOfSites 1 PerSiteScaling \$true TargetWorkerCount = 1 MaxNumberOfWorkers = 1 SiteConfig.NumberOfWorkers = 1	

```
$app = Get-AzWebApp `
  -ResourceGroupName $rg `
  -Name "ExcelParser"
```

\$app.	▼
NumberOfSites 1 PerSiteScaling \$true TargetWorkerCount = 1 MaxNumberOfWorkers = 1 SiteConfig.NumberOfWorkers = 1	

```
Set-AzWebApp $app
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

```
Set-AzAppServicePlan `
  -ResourceGroupName $rg `
  -Name "PrimaryASP" `
```

```
NumberOfSites 1
PerSiteScaling $true
TargetWorkerCount = 1
MaxNumberOfWorkers = 1
SiteConfig.NumberOfWorkers = 1
```

```
$app = Get-AzWebApp `
  -ResourceGroupName $rg `
  -Name "ExcelParser"
```

```
$app.  
NumberOfSites 1  
PerSiteScaling $true  
TargetWorkerCount = 1  
MaxNumberOfWorkers = 1  
SiteConfig.NumberOfWorkers = 1
```

```
Set-AzWebApp $app
```

NEW QUESTION 226

- (Topic 8)

You are developing a complex workflow by using Azure Durable Functions.

During testing you observe that the results of the workflow differ based on how many instances of the Azure Function are running.

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

- A. Ensure that all Orchestrator code is deterministic.
- B. Read all state data from the durable function context
- C. Configure the Azure Orchestration function to run on an App Service Plan with one instance.
- D. Implement the monitor pattern within the workflow.

Answer: A

NEW QUESTION 229

- (Topic 8)

You are creating a hazard notification system that has a single signaling server which triggers audio and visual alarms to start and stop.

You implement Azure Service Bus to publish alarms. Each alarm controller uses Azure Service Bus to receive alarm signals as part of a transaction. Alarm events must be recorded for audit purposes. Each transaction record must include information about the alarm type that was activated.

You need to implement a reply trail auditing solution.

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

- A. Assign the value of the hazard message SessionID property to the ReplyToSessionId property.
- B. Assign the value of the hazard message MessageId property to the DeliveryCount property.
- C. Assign the value of the hazard message SessionID property to the SequenceNumber property.
- D. Assign the value of the hazard message MessageId property to the CorrelationId property.
- E. Assign the value of the hazard message SequenceNumber property to the DeliveryCount property.
- F. Assign the value of the hazard message MessageId property to the SequenceNumber property.

Answer: AC

Explanation:

Reference:

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

NEW QUESTION 230

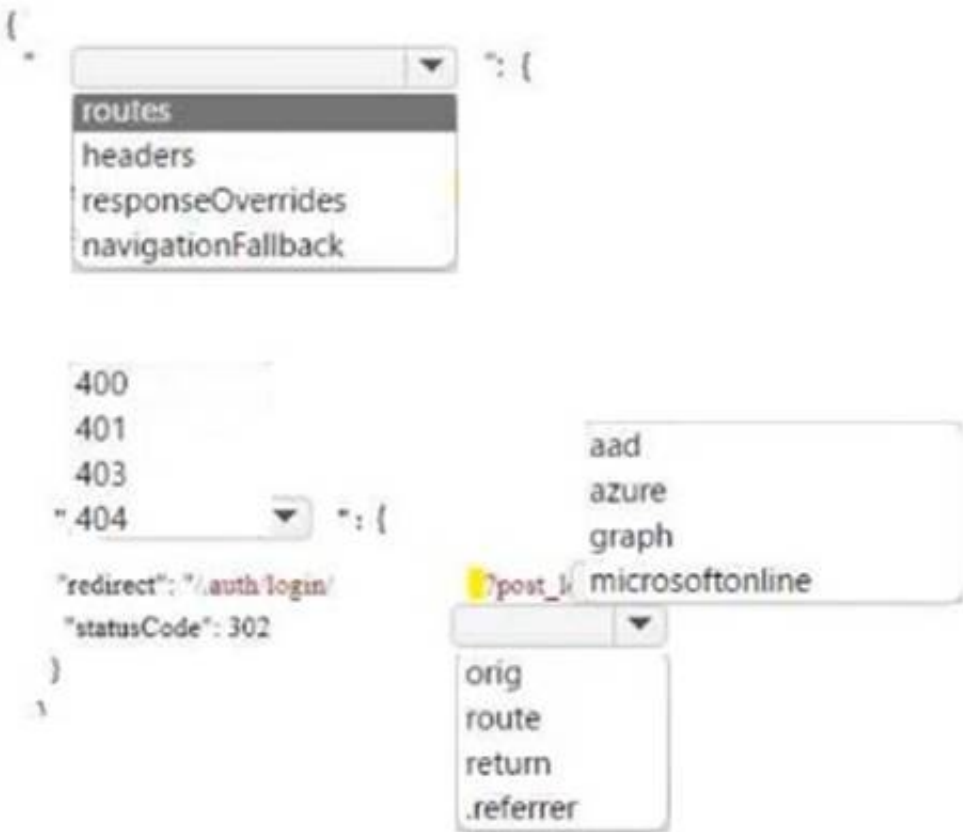
HOTSPOT - (Topic 8)

You are developing an Azure Static Web app that contains training materials for a tool company. Each tool's training material is contained in a static web page that is linked from the tool's publicly available description page.

A user must be authenticated using Azure AD prior to viewing training. You need to ensure that the user can view training material pages after authentication.

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

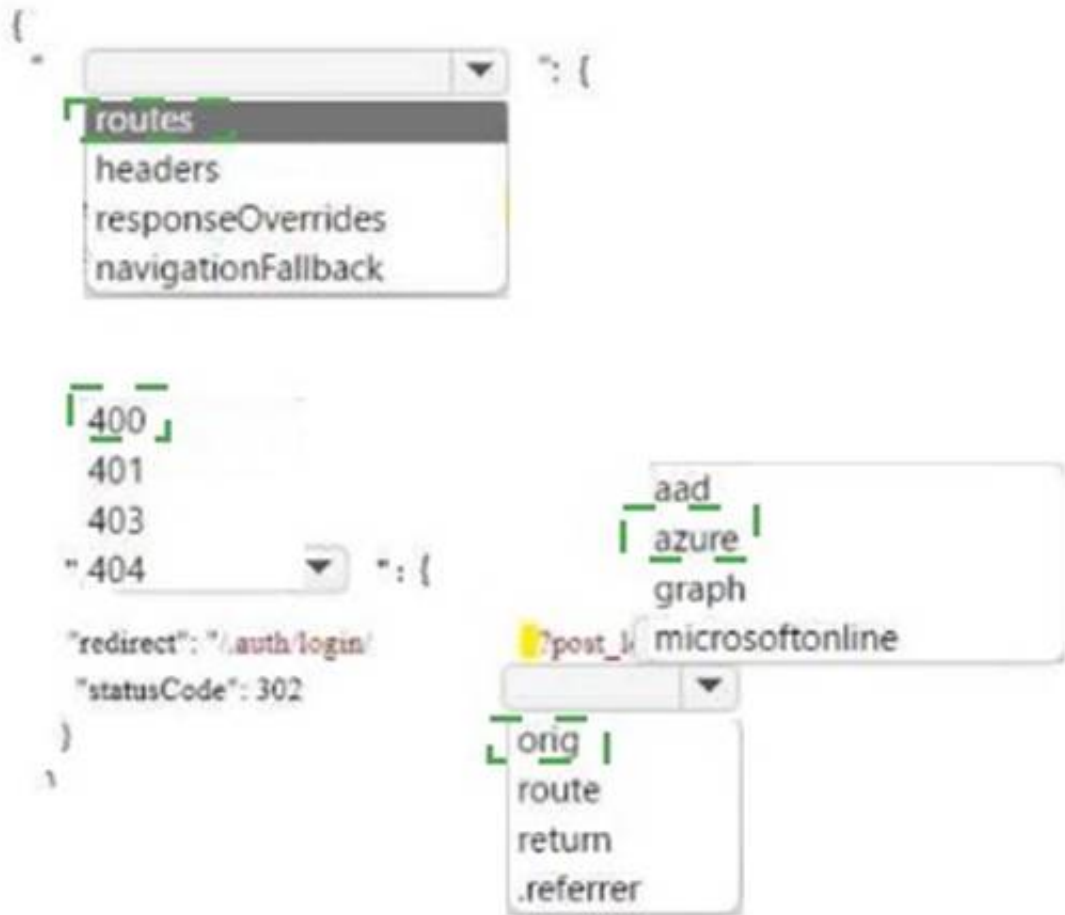
NOTE: Each correct selection is worth one point.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 233

- (Topic 7)

You need to secure the Azure Functions to meet the security requirements.

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

- A. Store the RSA-HSM key in Azure Cosmos D
- B. Apery the built-in policies for customer-managed keys and allowed locations.
- C. Create a free tier Azure App Configuration instance with a new Azure AD service principal.
- D. Store the RSA-HSM key in Azure Key Vault with soft-delete and purge-protection features enabled.
- E. Store the RSA-HSM key in Azure Blob storage with an Immutability policy applied to the container.
- F. Create a standard tier Azure App Configuration instance with an assigned Azure AD managed identity.

Answer: CE

Explanation:

Scenario: All Azure Functions must centralize management and distribution of configuration data for different environments and geographies, encrypted by using a company-provided RSA-HSM key.

Microsoft Azure Key Vault is a cloud-hosted management service that allows users to encrypt keys and small secrets by using keys that are protected by hardware security modules (HSMs).
You need to create a managed identity for your application. Reference:
<https://docs.microsoft.com/en-us/azure/app-service/app-service-key-vault-references>

NEW QUESTION 237

HOTSPOT - (Topic 7)

You need to Implement the retail store location Azure Function.
How should you configure the solution? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area

Configuration	Value
Binding	<div>Blob storage</div> <div>Azure Cosmos DB</div> <div>Event Grid</div> <div>HTTP</div>
Binding Direction	<div>Input</div> <div>Output</div>
Trigger	<div>Blob storage</div> <div>Azure Cosmos DB</div> <div>Event Grid</div> <div>HTTP</div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Scenario: Retail store locations: Azure Functions must process data immediately when data is uploaded to Blob storage.
Box 1: HTTP
Binding configuration example: `https://<storage_account_name>.blob.core.windows.net`
Box 2: Input
Read blob storage data in a function: Input binding
Box 3: Blob storage
The Blob storage trigger starts a function when a new or updated blob is detected. Azure Functions integrates with Azure Storage via triggers and bindings.
Integrating with
Blob storage allows you to build functions that react to changes in blob data as well as read and write values.

NEW QUESTION 238

- (Topic 7)

You need to secure the Azure Functions to meet the security requirements.
Which two actions should you perform? Each correct answer presents part of the solution NOTE: Each correct selection is worth one point.

- A. Store the RSA-HSM key in Azure Key Vault with soft-delete and purge-protection features enabled
- B. Store the RSA-HSM key in Azure Blob storage with an immutability policy applied to the container.
- C. Store the RSA-HSM key in Azure Cosmos D
- D. Apply the built-in policies for customer- managed Keys and allowed locations
- E. Create a standard tier Azure App Configuration instance with an assigned Azure AD managed identity.
- F. Create a free tier Azure App Configuration instance with a new Azure AD service principal.

Answer: BC

NEW QUESTION 240

HOTSPOT - (Topic 7)

You need to implement event routing for retail store location data.
Which configuration should you use?

Event data	Configuration
Source	<div><div></div><div>Azure Blob Storage</div><div>Azure Event Grid</div><div>Azure Service Bus</div><div>Azure Event Hub</div></div>
Receiver	<div><div></div><div>Azure Event Grid</div><div>Azure Event Hub</div><div>Azure Service Bus</div><div>Azure Blob Storage</div></div>
Handler	<div><div></div><div>Azure Function App</div><div>Azure Logic App</div><div>Azure Event Grid</div><div>Azure Blob Storage</div></div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Event data	Configuration
Source	<div><div></div><div>Azure Blob Storage</div><div>Azure Event Grid</div><div>Azure Service Bus</div><div>Azure Event Hub</div></div>
Receiver	<div><div></div><div>Azure Event Grid</div><div>Azure Event Hub</div><div>Azure Service Bus</div><div>Azure Blob Storage</div></div>
Handler	<div><div></div><div>Azure Function App</div><div>Azure Logic App</div><div>Azure Event Grid</div><div>Azure Blob Storage</div></div>

NEW QUESTION 243

HOTSPOT - (Topic 7)

You need to implement the delivery service telemetry data How should you configure the solution?

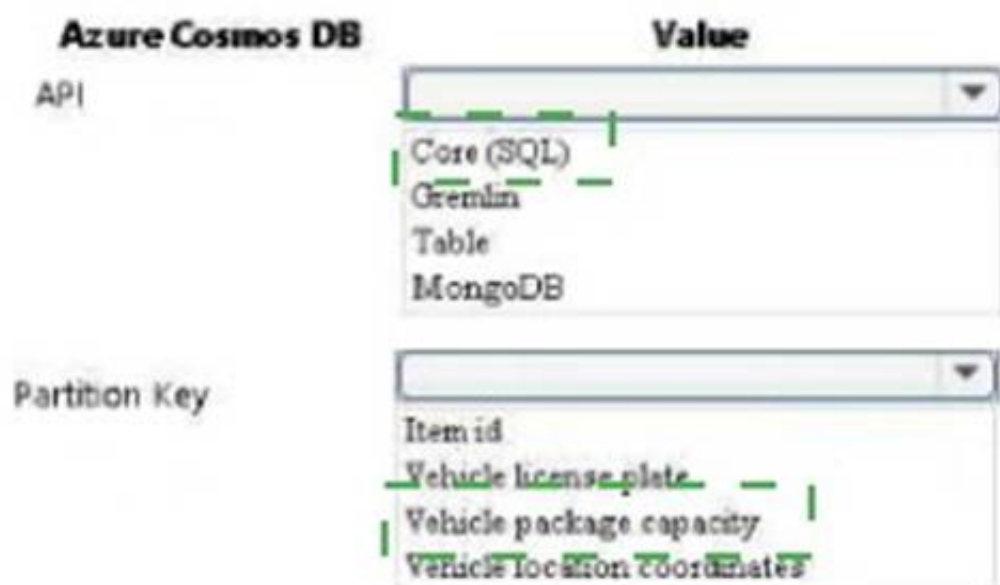
NOTE: Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 246

- (Topic 7)

You need to implement a solution to resolve the retail store location data issue.

Which three Azure Blob features should you enable? Each correct answer presents part of the solution.

NOTE Each correct selection is worth one point

- A. Immutability
- B. Snapshots
- C. Versioning
- D. Soft delete
- E. Object replication
- F. Change feed

Answer: CDF

Explanation:

Scenario: You must perform a point-in-time restoration of the retail store location data due to an unexpected and accidental deletion of data.

Before you enable and configure point-in-time restore, enable its prerequisites for the storage account: soft delete, change feed, and blob versioning.

Reference:

<https://docs.microsoft.com/en-us/azure/storage/blobs/point-in-time-restore-manage>

NEW QUESTION 247

- (Topic 5)

You need to ensure the security policies are met.

What code do you add at line CS07 of ConfigureSSE.ps1?

- A. -PermissionsToKeys create, encrypt, decrypt
- B. -PermissionsToCertificates create, encrypt, decrypt
- C. -PermissionsToCertificates wrapkey, unwrapkey, get
- D. -PermissionsToKeys wrapkey, unwrapkey, get

Answer: B

Explanation:

Scenario: All certificates and secrets used to secure data must be stored in Azure Key Vault.

You must adhere to the principle of least privilege and provide privileges which are essential to perform the intended function.

The Set-AzureRmKeyVaultAccessPolicy parameter -PermissionsToKeys specifies an array of key operation permissions to grant to a user or service principal. The acceptable values for this parameter: decrypt, encrypt, unwrapKey, wrapKey, verify, sign, get, list, update, create, import, delete, backup, restore, recover, purge

Reference:

<https://docs.microsoft.com/en-us/powershell/module/azurerm.keyvault/set-azurermkeyvaultaccesspolicy>

NEW QUESTION 250

- (Topic 4)

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

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

Answer: D

Explanation:

Application Insights provides three additional data types for custom telemetry:

Trace - used either directly, or through an adapter to implement diagnostics logging using an instrumentation framework that is familiar to you, such as Log4Net or System.Diagnostics.
Event - typically used to capture user interaction with your service, to analyze usage patterns.
Metric - used to report periodic scalar measurements. Scenario:
Policy service must use Application Insights to automatically scale with the number of policy actions that it is performing. Reference:
<https://docs.microsoft.com/en-us/azure/azure-monitor/app/data-model>

NEW QUESTION 255

DRAG DROP - (Topic 4)
You need to add code at line EG15 in EventGridController.cs to ensure that the Log policy applies to all services.
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

topic

status

eventType

Succeeded

operationName

resourceProvider

Answer Area

```
if {  
    @event[ "data" ][ " code segment " ].ToString() == " code segment "  
    &&  
    @event[ "data" ][ " code segment " ].ToString() == "Microsoft.Web/sites/write"  
}
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:
Scenario, Log policy: All Azure App Service Web Apps must write logs to Azure Blob storage.
Box 1: Status
Box 2: Succeeded
Box 3: operationName
Microsoft.Web/sites/write is resource provider operation. It creates a new Web App or updates an existing one.

NEW QUESTION 260

DRAG DROP - (Topic 4)
You need to implement telemetry for non-user actions.
How should you complete the Filter class? 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

/health

/status

RequestTelemetry

PageViewTelemetry

ITelemetryProcessor

ITelemetryInitializer

Answer Area

```
public class Filter : code segment  
{  
    private readonly code segment _next;  
    public (Filter code segment next)  
    {  
        _next = next;  
    }  
    public void Process(ITelemetry item)  
    {  
        var x = item as code segment ;  
        if (x?.Url.AbsolutePath == " code segment " )  
        {  
            return;  
        }  
        _next.Process(item);  
    }  
}
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:
Scenario: Exclude non-user actions from Application Insights telemetry.
Box 1: ITelemetryProcessor
To create a filter, implement ITelemetryProcessor. This technique gives you more direct control over what is included or excluded from the telemetry stream.
Box 2: ITelemetryProcessor
Box 3: ITelemetryProcessor

Box 4: RequestTelemetry
Box 5: /health
To filter out an item, just terminate the chain.

NEW QUESTION 265

DRAG DROP - (Topic 4)

You need to implement the Log policy.

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

NOTE:Each correct selection is worth one point.

Code segment

All

WebHook

EventHub

subjectEndsWith

Mictosoft.Storage

subjectBeginsWith

Microsoft.Storage.BlobCreated

Answer Area

```
{
  "name": "newlogs",
  "properties": {
    "topic": "/subscriptions/. . ./providers/Microsoft.EventGrid/topics/. . .",
    "destination": {
      "endpointType" : "code segment" },
    "filter": {
      "code segment": "/blobServices/default/containers/logdrop/",
      "includedEventTypes": [ "code segment" ] },
    },
    "labels": [],
    "eventDeliverySchema": "EventGridSchema"
  }
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1:WebHook

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

endpointType: The type of endpoint for the subscription (webhook/HTTP, Event Hub, or queue).

Box 2: SubjectBeginsWith

Box 3: Microsoft.Storage.BlobCreated Scenario: Log Policy

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

Example subscription schema

```
{
  "properties": { "destination": {
    "endpointType": "webhook", "properties": { "endpointUrl":
    "https://example.azurewebsites.net/api/HttpTriggerCSharp1?code=VXbGWce53l48Mt8wuo tr0GPmyJ/nDT4hgdFj9DpBiRt38qqnnm5OFg=="
    }
  },
  "filter": {
    "includedEventTypes": [ "Microsoft.Storage.BlobCreated", "Microsoft.Storage.BlobDeleted"
    ],
    "subjectBeginsWith": "blobServices/default/containers/mycontainer/log", "subjectEndsWith": ".jpg",
    "isSubjectCaseSensitive ": "true"
  }
}
```

NEW QUESTION 266

DRAG DROP - (Topic 4)

You need to ensure that PolicyLib requirements are met.

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

Process

Initialize

telemetry.Sequence

ITelemetryProcessor

ITelemetryInitializer

telemetry.Context

EventGridController.EventId.Value

((EventTelemetry)telemetry).Properties["EventId"]

Answer Area

```
public class IncludeEventId : code segment
{
  public void code segment (ITelemetry telemetry)
  {
    code segment.Properties["EventId"] =
    code segment;
  }
}
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

- ? Exclude non-user actions from Application Insights telemetry.
- ? Provide methods that allow a web service to scale itself.

? Ensure that scaling actions do not disrupt application usage.

Box 1: ITelemetryInitializer

Use telemetry initializers to define global properties that are sent with all telemetry; and to override selected behavior of the standard telemetry modules.

Box 2: Initialize

Box 3: Telemetry.Context

Box 4: ((EventTelemetry)telemetry).Properties["EventID"]

NEW QUESTION 269

- (Topic 3)

You need to correct the RequestUserApproval Function app error. What should you do?

- A. Update line RA13 to use the async keyword and return an HttpRequest object value.
- B. Configure the Function app to use an App Service hosting plan.
- C. Enable the Always On setting of the hosting plan.
- D. Update the function to be stateful by using Durable Functions to process the request payload.
- E. Update the functionTimeout property of the host.json project file to 15 minutes.

Answer: C

Explanation:

Async operation tracking

The HTTP response mentioned previously is designed to help implement long-running HTTP async APIs with Durable Functions. This pattern is sometimes referred to as the polling consumer pattern.

Both the client and server implementations of this pattern are built into the Durable Functions HTTP APIs.

Function app

You perform local testing for the RequestUserApproval function. The following error message displays:

'Timeout value of 00:10:00 exceeded by function: RequestUserApproval'

The same error message displays when you test the function in an Azure development environment when you run the following Kusto query:

FunctionAppLogs

| where FunctionName == "RequestUserApproval"

References:

<https://docs.microsoft.com/en-us/azure/azure-functions/durable/durable-functions-http-features>

NEW QUESTION 270

- (Topic 3)

You need to ensure that all messages from Azure Event Grid are processed. What should you use?

- A. Azure Event Grid topic
- B. Azure Service Bus topic
- C. Azure Service Bus queue
- D. Azure Storage queue
- E. Azure Logic App custom connector

Answer: B

Explanation:

As a solution architect/developer, you should consider using Service Bus queues when:

? Your solution needs to receive messages without having to poll the queue. With Service Bus, you can achieve it by using a long-polling receive operation using the TCP-based protocols that Service Bus supports.

Reference:

<https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-azure-and-service-bus-queues-compared-contrasted>

NEW QUESTION 272

- (Topic 3)

You need to authenticate the user to the corporate website as indicated by the architectural diagram.

Which two values should you use? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. ID token signature
- B. ID token claims
- C. HTTP response code
- D. Azure AD endpoint URI
- E. Azure AD tenant ID

Answer: AD

Explanation:

Claims in access tokens

JWTs (JSON Web Tokens) are split into three pieces:

? Header - Provides information about how to validate the token including information about the type of token and how it was signed.

? Payload - Contains all of the important data about the user or app that is attempting to call your service.

? Signature - Is the raw material used to validate the token.

Your client can get an access token from either the v1.0 endpoint or the v2.0 endpoint using a variety of protocols.

Scenario: User authentication (see step 5 below)

The following steps detail the user authentication process:

? The user selects Sign in in the website.

? The browser redirects the user to the Azure Active Directory (Azure AD) sign in page.

? The user signs in.

? Azure AD redirects the user's session back to the web application. The URL includes an access token.

? The web application calls an API and includes the access token in the authentication header. The application ID is sent as the audience ('aud') claim in the

access token.

? The back-end API validates the access token.

Reference:

<https://docs.microsoft.com/en-us/azure/api-management/api-management-access-restriction-policies>

NEW QUESTION 276

DRAG DROP - (Topic 3)

You need to correct the corporate website error.

Which four actions should you recommend be performed 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
Upload the certificate to Azure Key Vault.	
Update line SC05 of Security.cs to include error handling and then redeploy the code.	
Update line SC03 of Security.cs to include a using statement and then re-deploy the code.	
Add the certificate thumbprint to the WEBSITE_LOAD_CERTIFICATES app setting.	
Upload the certificate to source control.	
Import the certificate to Azure App Service.	
Generate a certificate.	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Scenario: Corporate website

While testing the site, the following error message displays: CryptographicException: The system cannot find the file specified.

Step 1: Generate a certificate

Step 2: Upload the certificate to Azure Key Vault

Scenario: All SSL certificates and credentials must be stored in Azure Key Vault. Step 3: Import the certificate to Azure App Service

Step 4: Update line SC05 of Security.cs to include error handling and then redeploy the code

NEW QUESTION 279

HOTSPOT - (Topic 3)

You need to configure API Management for authentication.

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

NOTE:Each correct selection is worth one point.

Setting	Value
Policy	<div>▼</div> <div> Check HTTP header Restrict caller IPs Limit call rate by key Validate JWT </div>
Policy section	<div>▼</div> <div> Inbound Outbound </div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Validate JWT

The validate-jwt policy enforces existence and validity of a JWT extracted from either a specified HTTP Header or a specified query parameter.

Scenario: User authentication (see step 5 below)

The following steps detail the user authentication process:

- ? The user selects Sign in in the website.
- ? The browser redirects the user to the Azure Active Directory (Azure AD) sign in page.
- ? The user signs in.
- ? Azure AD redirects the user’s session back to the web application. The URL includes an access token.
- ? The web application calls an API and includes the access token in the authentication header. The application ID is sent as the audience (‘aud’) claim in the access token.
- ? The back-end API validates the access token.

Box 2: Outbound

NEW QUESTION 283

HOTSPOT - (Topic 3)

You need to configure Azure Service Bus to Event Grid integration.

Which Azure Service Bus settings should you use? To answer, select the appropriate options in the answer area.

NOTE:Each correct selection is worth one point.

Setting	Value
Tier	<div><div></div><div>Basic</div><div>Standard</div><div>Premium</div></div>
RBAC role	<div><div></div><div>Owner</div><div>Contributor</div><div>Azure Service Bus Data Owner</div><div>Azure Service Bus Data Receiver</div></div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Premium

Service Bus can now emit events to Event Grid when there are messages in a queue or a subscription when no receivers are present. You can create Event Grid subscriptions to your Service Bus namespaces, listen to these events, and then react to the events by starting a receiver. With this feature, you can use Service Bus in reactive programming models.

To enable the feature, you need the following items:

- A Service Bus Premium namespace with at least one Service Bus queue or a Service Bus topic with at least one subscription.
- Contributor access to the Service Bus namespace.

Box 2: Contributor

NEW QUESTION 287

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