

Exam Questions AZ-204

Developing Solutions for Microsoft Azure

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



NEW QUESTION 1

- (Topic 8)

The solution must receive and store messages until they can be processed. You create an Azure Service Bus instance by providing a name, pricing tier, subscription, resource group, and location.

You need to complete the configuration.

Which Azure CLI or PowerShell command should you run?

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

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

Answer: C

NEW QUESTION 2

- (Topic 8)

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

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

Answer: C

NEW QUESTION 3

HOTSPOT - (Topic 8)

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

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

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

answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Operation type	Resulting consistency level
Read operations	<input type="text"/> strong session consistent prefix
Write operations	<input type="text"/> strong session consistent prefix

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Operation type	Resulting consistency level
Read operations	<input type="text"/> strong session consistent prefix
Write operations	<input type="text"/> strong session consistent prefix

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

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	Policy	Policy section
Inbound		Set-variable	policy section
Outbound		Cache-lookup-value	policy section
		Cache-store-value	policy section
		Find-and-replace	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	Declaratively connect to an Azure Blob Storage account.	Feature
Trigger		
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

DRAG DROP - (Topic 8)

You are developing Azure WebJobs.

You need to recommend a WebJob type for each scenario.

Which WebJob type should you recommend? To answer, drag the appropriate WebJob types to the correct scenarios. Each WebJob 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.

WebJob types	Scenario	WebJob type
Triggered	Run on all instances that the web app runs on. Optionally restrict the WebJob to a single instance.	<input type="text"/>
Continuous	Run on a single instance that Azure select for load balancing.	<input type="text"/>
	Supports remote debugging	<input type="text"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Continuous

Continuous runs on all instances that the web app runs on. You can optionally restrict the WebJob to a single instance.

Box 2: Triggered

Triggered runs on a single instance that Azure selects for load balancing.

Box 3: Continuous

Continuous supports remote debugging.

Note:

The following table describes the differences between continuous and triggered WebJobs.

Continuous	Triggered
Starts immediately when the WebJob is created. To keep the job from ending, the program or script typically does its work inside an endless loop. If the job does end, you can restart it.	Starts only when triggered manually or on a schedule.
Runs on all instances that the web app runs on. You can optionally restrict the WebJob to a single instance.	Runs on a single instance that Azure selects for load balancing.
Supports remote debugging.	Doesn't support remote debugging.

References:

<https://docs.microsoft.com/en-us/azure/app-service/web-sites-create-web-jobs>

NEW QUESTION 7

- (Topic 8)

You are designing a small app that will receive web requests containing encoded geographic coordinates. Calls to the app will occur infrequently. Which compute solution should you recommend?

- A. Azure Functions
- B. Azure App Service
- C. Azure Batch
- D. Azure API Management

Answer: B

NEW QUESTION 8

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 registerodusers are sent to the API folder.	<input type="radio"/>	<input type="radio"/>
Authenticated users that are not in the role named registerodusers 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 registerodusers are sent to the API folder.	<input checked="" type="radio"/>	<input type="radio"/>
Authenticated users that are not in the role named registerodusers and unauthenticated users are served a 401 HTTP error when accessing the API folder.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION 9

DRAG DROP - (Topic 8)

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

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

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

Targets

- Expect
- Public
- Private
- Internal
- External
- Authorization

Answer Area

```

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

```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: internal caching-type

Choose between the following values of the attribute:

- ? internal to use the built-in API Management cache,
- ? external to use the external cache as Azure Cache for Redis
- ? prefer-external to use external cache if configured or internal cache otherwise.

Box 2: private downstream-caching-type

This attribute must be set to one of the following values.

- ? none - downstream caching is not allowed.
- ? private - downstream private caching is allowed.
- ? public - private and shared downstream caching is allowed.

Box 3: Authorization

<vary-by-header>Authorization</vary-by-header>

<!-- should be present when allow-private-response-caching is "true"-->

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

NEW QUESTION 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.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 10

DRAG DROP - (Topic 8)

You are developing an ASP.NET Core website that can be used to manage photographs which are stored in Azure Blob Storage containers.

Users of the website authenticate by using their Azure Active Directory (Azure AD) credentials.

You implement role-based access control (RBAC) role permissions on the containers that store photographs. You assign users to RBAC roles.

You need to configure the website's Azure AD Application so that user's permissions can be used with the Azure Blob containers.

How should you configure the application? To answer, drag the appropriate setting to the correct location. Each setting can be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: user_impersonation

Box 2: delegated Example:

- * 1. Select the API permissions section
- * 2. Click the Add a permission button and then: Ensure that the My APIs tab is selected
- * 3. In the list of APIs, select the API TodoListService-aspnetcore.
- * 4. In the Delegated permissions section, ensure that the right permissions are checked: user_impersonation.
- * 5. Select the Add permissions button.

Box 3: delegated Example

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

NEW QUESTION 14

HOTSPOT - (Topic 8)

You are developing a .NET application that communicates with Azure Storage. A message must be stored when the application initializes.

You need to implement the message.

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

NOTE: Each correct selection is worth one point.

Answer Area

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

CloudQueueClient pVar1 = storageAccount.CreateCloudQueueClient();
CloudTableClient pVar2 = pVar1.CreateCloudTableClient();
CloudQueue GetQueueReference;
CloudTable GetTableReference;

CloudQueueClient tExistsAsync();
CloudTableClient CreateCloudQueueClient("contoso-storage");
CloudQueue CreateCloudTableClient;
CloudQueue GetQueueReference;
CloudTable GetTableReference;
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:
 Answer Area

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

CloudQueueClient pVar1 = storageAccount.CreateCloudQueueClient();
CloudTableClient pVar2 = pVar1.CreateCloudTableClient();
CloudQueue GetQueueReference;
CloudTable GetTableReference;

CloudQueueClient tExistsAsync();
CloudTableClient CreateCloudQueueClient("contoso-storage");
CloudQueue CreateCloudTableClient;
CloudQueue GetQueueReference;
CloudTable GetTableReference;
```

NEW QUESTION 19

HOTSPOT - (Topic 8)

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

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

You create the following queries that target the container:

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

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

NOTE: Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: No

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

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

Box 2: No

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

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

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

Box 3: Yes

Example of In-partition query:

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

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

NEW QUESTION 20

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 25

- (Topic 8)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

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

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

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

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

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

Does the solution meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

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

Reference:

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

NEW QUESTION 28

HOTSPOT - (Topic 8)

You are developing an ASP.NET Core app that includes feature flags which are managed by Azure App Configuration. You create an Azure App Configuration store named AppreaiureflagStore as shown in the exhibit:

Key	Label	State	Description	Last modified
Export	Export	<input checked="" type="checkbox"/> Off <input type="checkbox"/> On	Ability to export data.	6/11/2020, 9:13:26 ... ***

You must be able to use the feature in the app by using the following markup:

```
<feature name="Export">
  <li class="nav-item">
    <a class="nav-link text-dark" asp-area="" asp-controller="Home" asp-action="Export">Export Data</a>
  </li>
</feature>
```

You went to update the app to use the feature flag.
 Which values should you use? To answer, select the appropriate options in the answer area.
 NOTE: Each correct selection is worth one point.

Answer Area

Code section	Value
Controller attribute	<input type="checkbox"/> FeatureGate <input type="checkbox"/> Route <input type="checkbox"/> ServiceFilter <input type="checkbox"/> TypeFilter
Startup method	<input type="checkbox"/> AddAzureAppConfiguration <input type="checkbox"/> AddControllersWithViews <input type="checkbox"/> AddUserSecrets
AppConfig endpoint setting	<input type="checkbox"/> https://appfeatureflagstore.azureconfig.io <input type="checkbox"/> https://appfeatureflagstore.vault.azure.net <input type="checkbox"/> https://export.azureconfig.io <input type="checkbox"/> https://export.vault.azure.net

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: FeatureGate

You can use the FeatureGate attribute to control whether a whole controller class or a specific action is enabled.

Box 2: AddAzureAppConfiguration

The extension method AddAzureAppConfiguration is used to add the Azure App Configuration Provider.

Box 3: https://appfeatureflagstore.azureconfig.io

You need to request the access token with resource=https://<yourstorename>.azureconfig.io

NEW QUESTION 30

- (Topic 8)

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

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

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

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

Answer: BE

Explanation:

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

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

References:

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

NEW QUESTION 32

HOTSPOT - (Topic 8)

You are developing an ASP.NET Core time sheet application that runs as an Azure Web App. Users of the application enter their time sheet information on the first day of every month.

The application uses a third-party web service to validate data.

The application encounters periodic server errors due to errors that result from calling a third-party web server. Each request to the third-party server has the same chance of failure.

You need to configure an Azure Monitor alert to detect server errors unrelated to the third-party service. You must minimize false-positive alerts.

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

NOTE: Each correct selection is worth one point.

```

"type": "Microsoft.Insights/metricAlerts",
"properties": {
"criteria": {
"odata.type": "...",
"allOf": [
{
"criteriaType": "
DynamicThresholdCriterion
SingleResourceMultipleMetricCriteria

"metricName": "
Http4xx
Http5xx

>alertSensitivity": "
Low
High

}]]]

```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: DynamicThresholdCriterion
 Box 2: Http5xx
 Server errors are in the 5xx range. Client errors are in the 4xx range
 Box 3: Low

NEW QUESTION 34

HOTSPOT - (Topic 8)

You are developing an application that runs in several customer Azure Kubernetes Service clusters, within each cluster, a pod runs that collects performance data to be analyzed later, a large amount of data is collected so saving latency must be minimized
 The performance data must be stored so that pod restarts do not impact the stored data. Write latency should be minimized.
 You need to configure blob storage.
 How should you complete the YAML configuration? To answer, select the appropriate options in the answer area.

```

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

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

parameters:
skuName: Premium_LRS
reclaimPolicy:
local
retain
delete

```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

```

apiVersion: storage.k8s.io/v1
kind: 
metadata: 
  PodStorage
  StorageClass
  PersistentVolume
  PersistentVolumeClaim
name: data-store
provisioner: kubernetes.io/
  azure-disk
  azure-file
  portworx-volume
  scaleio
parameters:
  skuName: Premium_LRS
  reclaimPolicy: 
    local
    retain
    delete
  
```

NEW QUESTION 35

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
 --name $webappname --resource-group myResourceGroup --sku FREE
  az webapp create
  az appservice plan create
  az webapp deployment
  az group delete
 --name $webappname --resource-group myResourceGroup
  az webapp create
  az appservice plan create
  az webapp deployment
  az group delete

  - -repo-uri $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-uri $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 36

- (Topic 8)

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

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

Solution: Provision an Azure Event Grid. Configure event filtering to evaluate the device identifier.

Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Instead use an Azure Service Bus, which is used order processing and financial transactions.

Note: An event is a lightweight notification of a condition or a state change. Event hubs is usually used reacting to status changes.

Reference:

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

NEW QUESTION 37

- (Topic 8)

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

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

NOTE: Each correct selection is worth one point.

- A. Trace
- B. Session Id
- C. Exception
- D. User Id
- E. Events

Answer: ADE

Explanation:

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

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

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

NEW QUESTION 39

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 41

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	Answer area
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.	

- 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 42

- (Topic 8)

You need to design network connectivity for a subnet in an Azure virtual network. The subnet will contain 30 virtual machines. The virtual machines will establish outbound connections to internet hosts by using the same a pool of four public IP addresses, inbound connections to the virtual machines will be prevented. What should include in the design?

- A. Azure Private Link
- B. NAT Gateway
- C. User Defined Routes
- D. Azure Virtual WAN

Answer: D

NEW QUESTION 47

- (Topic 8)

You develop an ASP.NET Core app that uses Azure App Configuration. You also create an App Configuration containing 100 settings. The app must meet the following requirements:

- Ensure the consistency of all configuration data when changes to individual settings occur.
- Handle configuration data changes dynamically without causing the application to restart.
- Reduce the overall number of requests made to App Configuration APIs.

You must implement dynamic configuration updates in the app.

What are two ways to achieve this goal? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. Increase the App Configuration cache expiration from the default value.
- B. Create and implement environment variables for each App Configuration store setting.
- C. Decrease the App Configuration cache expiration from the default value.
- D. Register all keys in the App Configuration stor
- E. Set the refreshAll parameter of the Register method to false.
- F. Create and register a sentinel key in the App Configuration stor
- G. Set the refreshAll parameter of the Register method to true.
- H. Create and configure Azure Key Vault
- I. Implement the Azure Key Vault configuration provider.

Answer: AE

NEW QUESTION 49

- (Topic 8)

You are designing a multi-tiered application that will be hosted on Azure virtual machines. The virtual machines will run Windows Server. Front-end servers will be accessible from the Internet over port 443. The other servers will NOT be directly accessible over the internet

You need to recommend a solution to manage the virtual machines that meets the following requirement

- Allows the virtual machine to be administered by using Remote Desktop.
- Minimizes the exposure of the virtual machines on the Internet Which Azure service should you recommend?

- A. Azure Bastion
- B. Service Endpoint
- C. Azure Private Link
- D. Azure Front Door

Answer: C

NEW QUESTION 52

HOTSPOT - (Topic 8)

You are developing a solution to store documents in Azure Blob storage. Customers upload documents to multiple containers. Documents consist of PDF, CSV, Microsoft Office format, and plain text files.

The solution must process millions of documents across hundreds of containers. The solution must meet the following requirements:

- * Document must be categorized by a customer identifier as they are uploaded to the storage account.
- * Allow filtering by the customer identifier.
- * Allow searching of information contained within a document.
- * Minimize costs.

You created and configure a standard general-purpose v2 storage account to support the solution.

You need to implement the solution.

NOTE: Each correct selection is worth one point.

Answer Area

Requirement	Solution
Search and filter by customer identifier.	<ul style="list-style-type: none"> Azure Cognitive Search Azure Blob index tags Azure Blob inventory policy Azure Blob metadata
Search information inside documents.	<ul style="list-style-type: none"> Azure Cognitive Search Azure Blob index tags Azure Blob inventory policy Azure Blob metadata

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Azure Blob Index tags: <https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-index-how-to?tabs=azure-portal>
 Azure Cognitive Search: Search inside documents

NEW QUESTION 53

HOTSPOT - (Topic 8)

You are developing an application to store and retrieve data in Azure Blob storage. The application will be hosted in an on-premises virtual machine (VM). The VM is connected to Azure by using a Site-to-Site VPN gateway connection. The application is secured by using Azure Active Directory (Azure AD) credentials. The application must be granted access to the Azure Blob storage account with a start time, expiry time, and read permissions. The Azure Blob storage account access must use the Azure AD credentials of the application to secure data access. Data access must be able to be revoked if the client application security is breached.

You need to secure the application access to Azure Blob storage.

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

NOTE: Each correct selection is worth one point.

Component	Security Feature								
Application (Client)	<table border="1"> <tr><td> </td><td>▼</td></tr> <tr><td>Storage Account Access Key</td><td></td></tr> <tr><td>System-assigned Managed Identity</td><td></td></tr> <tr><td>Shared access signature (SAS) token</td><td></td></tr> </table>		▼	Storage Account Access Key		System-assigned Managed Identity		Shared access signature (SAS) token	
	▼								
Storage Account Access Key									
System-assigned Managed Identity									
Shared access signature (SAS) token									
Azure Storage (Server)	<table border="1"> <tr><td> </td><td>▼</td></tr> <tr><td>Stored Access Policy</td><td></td></tr> <tr><td>User-assigned Managed Identity</td><td></td></tr> <tr><td>Cross-Origin Resource Sharing (CORS)</td><td></td></tr> </table>		▼	Stored Access Policy		User-assigned Managed Identity		Cross-Origin Resource Sharing (CORS)	
	▼								
Stored Access Policy									
User-assigned Managed Identity									
Cross-Origin Resource Sharing (CORS)									

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 57

- (Topic 8)
 A company uses Azure SQL Database to store data for an app. The data includes sensitive information. You need to implement measures that allow only members of the managers group to see sensitive information. Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

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

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

Answer: BE

Explanation:

Dynamic data masking helps prevent unauthorized access to sensitive data by enabling customers to designate how much of the sensitive data to reveal with minimal impact on the application layer.
 SQL users excluded from masking - A set of SQL users or AAD identities that get unmasked data in the SQL query results.
 Note: The New-AzureRmSqlDatabaseDataMaskingRule cmdlet creates a data masking rule for an Azure SQL database.
 References:
<https://docs.microsoft.com/en-us/powershell/module/azurermsql/new-azurermsqldatabasedatamaskingrule?view=azurermps-6.13.0>

NEW QUESTION 60

- (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 62

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 64

- (Topic 8)

You are updating an application that stores data on Azure and uses Azure Cosmos DB for storage. The application stores data in multiple documents associated with a single username.

The application requires the ability to update multiple documents for a username in a single ACID operation.

You need to configure Azure Cosmos DB.

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

- A. Configure Azure Cosmos DB to use the Azure Cosmos DB for Apache Gremlin API.
- B. Configure Azure Cosmos DB to use the Azure Cosmos DB for MongoDB API.
- C. Create a collection sharded on username to store documents.
- D. Create an unsharded collection to store documents.

Answer: BD

NEW QUESTION 68

FILL IN THE BLANK - (Topic 8)

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

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

You need to implement the update operations.

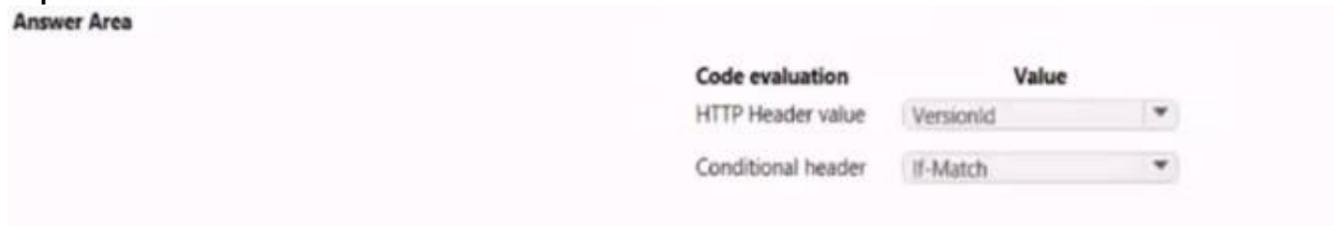
Which values should you use? To answer, select the appropriate option in the answer area.

NOTE Each correct selection is worth one point.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 72

- (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 74

HOTSPOT - (Topic 8)

You are working for Contoso, Ltd.

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

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

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

NOTE:Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Yes

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

Box 2: No

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

Box 3: No

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

NEW QUESTION 79

- (Topic 8)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

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

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

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

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

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

- A. Yes
- B. No

Answer: B

Explanation:

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

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

Reference:

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

NEW QUESTION 84

HOTSPOT - (Topic 8)

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

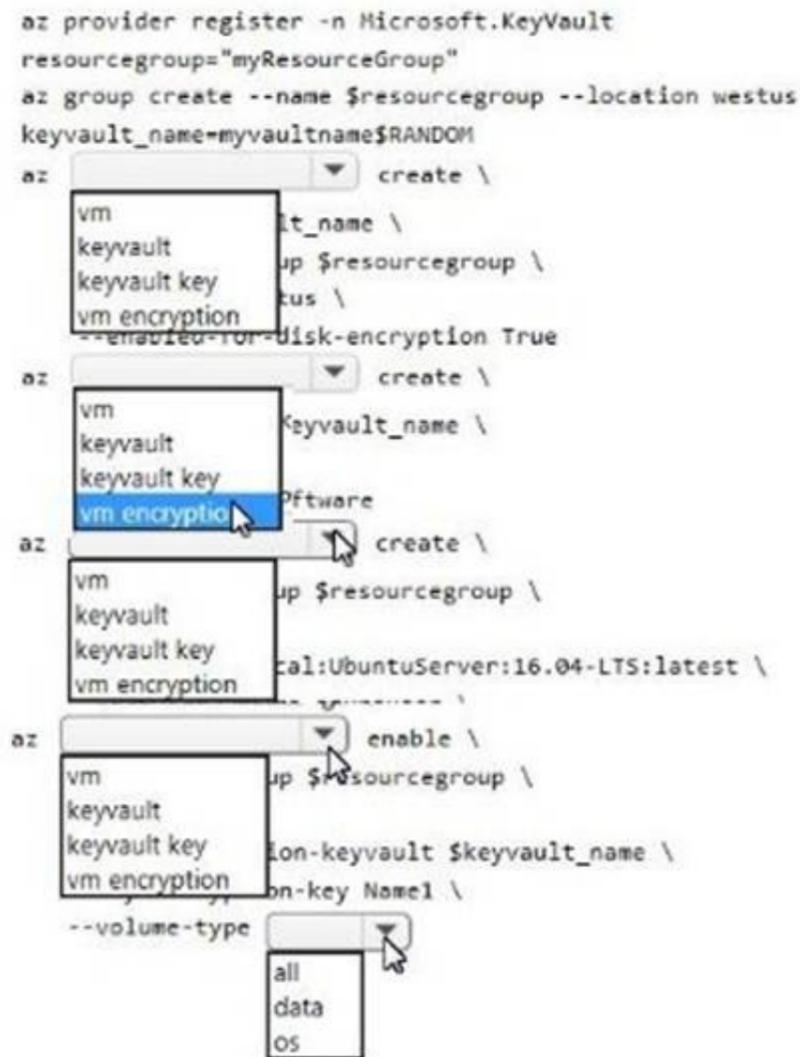
The entire VM must be secured at rest by using industry-standard encryption technology to address organizational security and compliance requirements.

You need to configure Azure Disk Encryption for the VM.

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

NOTE: Each correct selection is worth one point.

Answer Area



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: keyvault

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

```

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

Box 2: keyvault key

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

```

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

Box 3: vm

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

```

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

Box 4: vm encryption

Encrypt your VM with az vm encryption enable:

```

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

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

Encrypt both data and operating system.

References:

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

NEW QUESTION 85
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 Time, 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 86

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

Answer Area

- 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 90

- (Topic 8)

You develop and deploy a Java RESTful API to Azure App Service.

You open a browser and navigate to the URL for the API. You receive the following error message:

```
Failed to load http://api.azurewebsites.net:6000/#/api/Products: No 'Access-Control-Allow-Origin' header is present on the requested resource. Origin 'http://localhost:6000' is therefore not allowed access
```

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

- A. Bind an SSL certificate
- B. Enable authentication
- C. Enable CORS
- D. Map a custom domain
- E. Add a CDN

Answer: C

Explanation:

We need to enable Cross-Origin Resource Sharing (CORS).

References:

<https://medium.com/@xinganwang/a-practical-guide-to-cors-51e8fd329a1f>

NEW QUESTION 92

HOTSPOT - (Topic 8)

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

You have the following requirements:

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

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

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

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

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

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

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

NOTE:Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Yes

Code for CosmosDB, example:

```
// Parse the connection string and return a reference to the storage account. CloudStorageAccount storageAccount = CloudStorageAccount.Parse(
CloudConfigurationManager.GetSetting("StorageConnectionString"));
```

// Create the table client.

```
CloudTableClient tableClient = storageAccount.CreateCloudTableClient();
```

// Retrieve a reference to the table.

```
CloudTable table = tableClient.GetTableReference("people");
```

```
// Create the TableOperation object that inserts the customer entity. TableOperation insertOperation = TableOperation.Insert(customer1);
```

Box 2: No

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

Box 3: No

No partition key is used. Box 4: Yes

References:

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

NEW QUESTION 94

- (Topic 8)

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

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

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

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

Answer: D

Explanation:

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

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

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

Reference:

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

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

NEW QUESTION 98

DRAG DROP - (Topic 8)

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

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

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

NOTE: Each correct selection is worth one point.

Code segments

Answer Area

```

public class Startup
{
    . . .
    public void ConfigureServices (IServiceCollection services)
    {
        services.AddOptions< [ ] >().
        Configure(o => o. [ ] = true );
        services.AddMvc();
    }
}

public void Configure (IApplicationBuilder app,
IHostingEnvironment env, ILoggerFactory loggerFactory)
{
    loggerFactory.AddApplicationInsights(app, [ ], LogLevel.Trace);
    app.UseMvc();
}

```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: ApplicationInsightsLoggerOptions

If you want to include the EventId and EventName properties, then add the following to the ConfigureServices method:
 services.AddOptions<ApplicationInsightsLoggerOptions>().Configure(o => o.IncludeEventId = true);

Box 2: IncludeEventID

Box 3: ApplicationServices

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

loggerFactory.AddApplicationInsights(app.ApplicationServices, logLevel);
 References:
<https://blog.computedcloud.com/enabling-application-insights-trace-logging-in-asp-net-core/>

NEW QUESTION 100

HOTSPOT - (Topic 8)

You are implementing a software as a service (SaaS) ASP.NET Core web service that will run as an Azure Web App. The web service will use an on-premises SQL Server database for storage. The web service also includes a WebJob that processes data updates. Four customers will use the web service.

? Each instance of the WebJob processes data for a single customer and must run as a singleton instance.

? Each deployment must be tested by using deployment slots prior to serving production data.

? Azure costs must be minimized.

? Azure resources must be located in an isolated network.

You need to configure the App Service plan for the Web App.

How should you configure the App Service plan? To answer, select the appropriate settings in the answer area.

NOTE:Each correct selection is worth one point.

App service plan setting

Value

Number of VM instances

▼
2
4
8
16

Pricing tier

▼
Isolated
Standard
Premium
Consumption

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Number of VM instances: 4

You are not charged extra for deployment slots.

Pricing tier: Isolated

The App Service Environment (ASE) is a powerful feature offering of the Azure App Service that gives network isolation and improved scale capabilities. It is essentially a deployment of the Azure App Service into a subnet of a customer's Azure Virtual Network (VNet).

References:

<https://azure.microsoft.com/sv-se/blog/announcing-app-service-isolated-more-power-scale-and-ease-of-use/>

NEW QUESTION 102

- (Topic 8)

You are building a web application that performs image analysis on user photos and returns metadata containing objects identified. The image analysis is very costly in terms of time and compute resources. You are planning to use Azure Redis Cache so Cache uploads do not need to be reprocessed. In case of an Azure data center outage metadata loss must be kept to a minimum. You need to configure the Azure Redis cache instance. Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

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

Answer: AC

NEW QUESTION 104

DRAG DROP - (Topic 8)

You plan to create a Docker image that runs as ASP.NET Core application named ContosoApp. You have a setup script named setupScript.ps1 and a series of application files including ContosoApp.dll.

You need to create a Dockerfile document that meets the following requirements:

- Call setupScript.ps1 when the container is built.
- Run ContosoApp.dll when the container starts.

The Docker document must be created in the same folder where ContosoApp.dll and setupScript.ps1 are stored.

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

Commands	Answer Area
RUN powershell ./setupScript.ps1 CMD ["dotnet", "ContosoApp.dll"]	
EXPOSE ./ContosoApp/ /apps/ContosoApp	
COPY ./	
FROM microsoft/aspnetcore:2.0	
WORKDIR /apps/ContosoApp	
CMD powershell ./setupScript.ps1 ENTRYPOINT ["dotnet", "ContosoApp.dll"]	 

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: WORKDIR /apps/ContosoApp

Step 2: COPY ./-

The Docker document must be created in the same folder where ContosoApp.dll and setupScript.ps1 are stored.

Step 3: EXPOSE ./ContosoApp/ /app/ContosoApp Step 4: CMD powershell ./setupScript.ps1

ENTRYPOINT ["dotnet", "ContosoApp.dll"]

You need to create a Dockerfile document that meets the following requirements:

- ? Call setupScript.ps1 when the container is built.
- ? Run ContosoApp.dll when the container starts.

References:

<https://docs.microsoft.com/en-us/azure/app-service/containers/tutorial-custom-docker-image>

NEW QUESTION 107

DRAG DROP - (Topic 8)

You are maintaining an existing application that uses an Azure Blob GPv1 Premium storage account. Data older than three months is rarely used.

Data newer than three months must be available immediately. Data older than a year must be saved but does not need to be available immediately.

You need to configure the account to support a lifecycle management rule that moves blob data to archive storage for data not modified in the last year.

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
Upgrade the storage account to GPv2	
Create a new GPv2 Standard account and set its default access tier level to cool	
Change the storage account access tier from hot to cool	
Copy the data to be archived to a Standard GPv2 storage account and then delete the data from the original storage account	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: Upgrade the storage account to GPv2
 Object storage data tiering between hot, cool, and archive is supported in Blob Storage and General Purpose v2 (GPv2) accounts. General Purpose v1 (GPv1) accounts don't support tiering.
 You can easily convert your existing GPv1 or Blob Storage accounts to GPv2 accounts through the Azure portal.
 Step 2: Copy the data to be archived to a Standard GPv2 storage account and then delete the data from the original storage account
 Step 3: Change the storage account access tier from hot to cool Note: Hot - Optimized for storing data that is accessed frequently.
 Cool - Optimized for storing data that is infrequently accessed and stored for at least 30 days.
 Archive - Optimized for storing data that is rarely accessed and stored for at least 180 days with flexible latency requirements, on the order of hours.
 Only the hot and cool access tiers can be set at the account level. The archive access tier can only be set at the blob level.

NEW QUESTION 108

HOTSPOT - (Topic 8)

You implement an Azure solution to include Azure Cosmos DB, the latest Azure Cosmos DB SDK, and the Azure Cosmos DB for NoSQL API. You also implement a change feed processor on a new container instance by using the Azure Functions trigger for Azure Cosmos DB.

A large batch of documents continues to fail when reading one of the documents in the batch. The same batch of documents is continuously retried by the triggered function and a new batch of documents must be read.

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

Which feature should you implement? To answer, select the appropriate features in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Requirement	Feature
Read a new batch of documents while keeping track of the failing batch of documents.	<ul style="list-style-type: none"> Change feed estimator Lease container Dead-letter queue Life-cycle notifications Change feed estimator
Handle errors in the change feed processor.	<ul style="list-style-type: none"> Dead-letter queue Lease container Dead-letter queue Life-cycle notifications Change feed estimator

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Requirement	Feature
Read a new batch of documents while keeping track of the failing batch of documents.	<ul style="list-style-type: none"> Change feed estimator Lease container Dead-letter queue Life-cycle notifications Change feed estimator
Handle errors in the change feed processor.	<ul style="list-style-type: none"> Dead-letter queue Lease container Dead-letter queue Life-cycle notifications Change feed estimator

NEW QUESTION 111

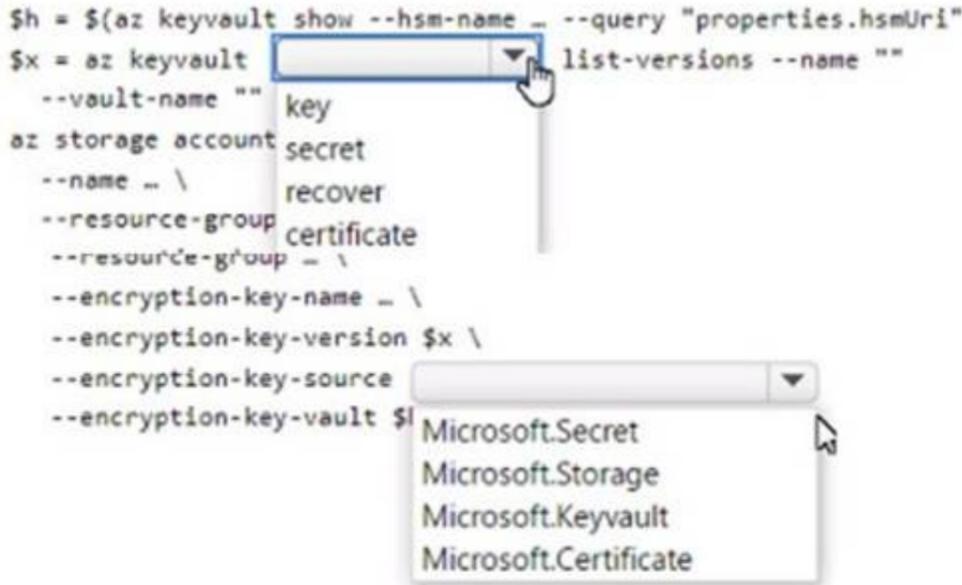
HOTSPOT - (Topic 8)

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.

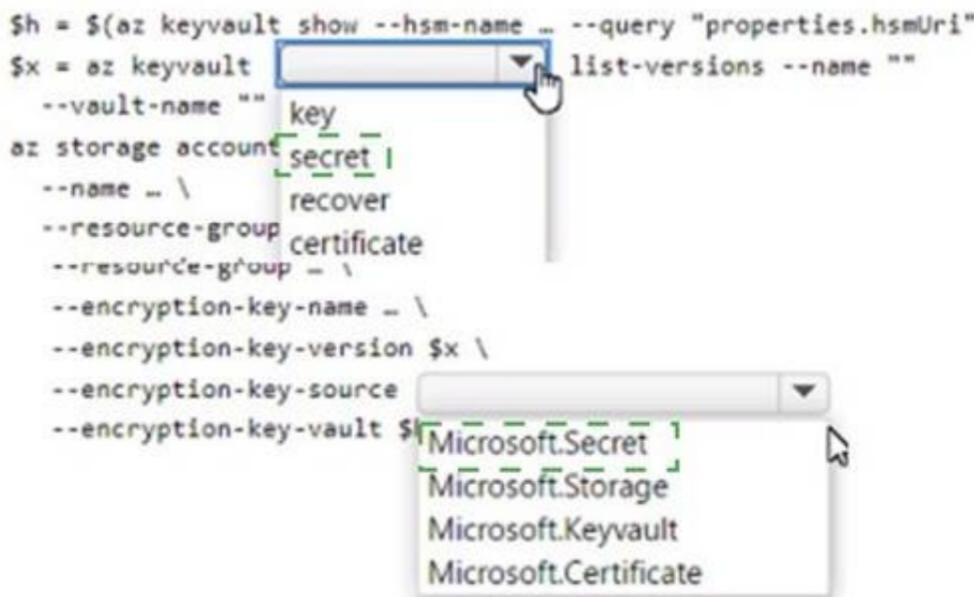
NOTE: Each correct selection is worth one point.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 113

HOTSPOT - (Topic 8)

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

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

You need to create the custom role.

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

Item	Value
Powershell command	<div style="border: 1px solid gray; padding: 5px;"> <p>Get-AzureRmRoleDefinition-Name "Reader" ConvertTo-Json Out-File C:\SupportRole.json</p> <p>Get-AzureRmRoleDefinition-Name "Operator" ConvertTo-Json Out-File C:\SupportRole.json</p> <p>Set-AzureRmRoleDefinition-Name "Reader" Input-File C:\SupportRole.json</p> <p>Set-AzureRmRoleDefinition Input-File C:\SupportRole.json</p> </div>
Actions section	<div style="border: 1px solid gray; padding: 5px;"> <p>"/read", "Microsoft.Support/"</p> <p>"/read"</p> <p>"/read", "Microsoft.Support/"</p> <p>"/read"</p> </div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

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

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

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

"Microsoft.Support" role definition azure

NEW QUESTION 117

- (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 120

HOTSPOT - (Topic 8)

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

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

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

Authentication	Type
WebHook event delivery	<div style="border: 1px solid black; padding: 5px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="padding: 2px;"> <p>SAS tokens</p> <p>Key authentication</p> <p>JWT token</p> </div> </div>
Topic publishing	<div style="border: 1px solid black; padding: 5px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="padding: 2px;"> <p>ValidationCode handshake</p> <p>ValidationURL handshake</p> <p>Management Access Control</p> </div> </div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: SAS tokens

Custom topics use either Shared Access Signature (SAS) or key authentication. Microsoft recommends SAS, but key authentication provides simple programming, and is compatible with many existing webhook publishers.

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

Box 2: ValidationCode handshake

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

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

NEW QUESTION 125

HOTSPOT - (Topic 8)

You create the following PowerShell script:

```
$source = New-AzScheduledQueryRuleSource -Query 'Heartbeat | where TimeGenerated > ago(1h)' -DataSourceId "contoso"
$schedule = New-AzScheduledQueryRuleSchedule -FrequencyInMinutes 60 -TimeWindowInMinutes 60
$triggerCondition = New-AzScheduledQueryRuleTriggerCondition -ThresholdOperator "LessThan" -Threshold 5
$aznsActionGroup = New-AzScheduledQueryRuleAznsActionGroup -ActionGroup "contoso" -EmailSubject "Custom email subject"
-CustomWebhookPayload "{ 'alert':'#alertrulename', 'IncludeSearchResults':true }"
$alertingAction = New-AzScheduledQueryRuleAlertingAction -AznsAction $aznsActionGroup -Severity "3" -Trigger $triggerCondition
New-AzScheduledQueryRule -ResourceGroupName "contoso" -Location "eastus" -Action $alertingAction -Enabled $true
-Description "Alert description" -Schedule $schedule -Source $source -Name "Alert Name"
```

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

NOTE:Each correct selection is worth one point.

Statements	Yes	No
A log alert is created that sends an email when the CPU percentage is above 60 percent for five minutes.	<input type="radio"/>	<input type="radio"/>
A log alert is created that sends an email when the number of virtual machine heartbeats in the past hour is less than five.	<input type="radio"/>	<input type="radio"/>
The log alert is scheduled to run every two hours.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: No

The AzScheduledQueryRuleSource is Heartbeat, not CPU.

Box 2: Yes

The AzScheduledQueryRuleSource is Heartbeat!

Note: New-AzScheduledQueryRuleTriggerCondition creates an object of type Trigger Condition. This object is to be passed to the command that creates Alerting Action object.

Box 3: No

The schedule is 60 minutes, not two hours.

-FrequencyInMinutes: The alert frequency.

-TimeWindowInMinutes: The alert time window

The New-AzAscheduledQueryRuleSchedule command creates an object of type Schedule. This object is to be passed to the command that creates Log Alert Rule.

NEW QUESTION 130

-(Topic 8)

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

The solution must receive and store message until they can be processed. You create an Azure Service Bus Instance by providing a name, pricing tier, subscription, resource group, and location.

You need to complete the configuration.

Which Azure CLI or PowerShell command should you run?

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

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

Answer: A

Explanation:

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

Note: Steps:

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

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

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

az servicebus namespace create --resource-group \$resourceGroupName --name

\$namespaceName --location eastus

Step 3: # Create a Service Bus queue

az servicebus queue create --resource-group \$resourceGroupName --namespace-name

\$namespaceName --name BasicQueue

Step 4: # Get the connection string for the namespace

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

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

Reference:

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

NEW QUESTION 132

DRAG DROP - (Topic 8)

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

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

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

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

Each correct selection is worth one point

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 136

HOTSPOT - (Topic 8)

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

The system performs the following operations in order:

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

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

You need to determine which application states can be restored.

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

NOTE: Each correct selection is worth one point.

Application State	Restorability
Data blob	<div style="border: 1px solid black; padding: 2px;"> <div style="background-color: #ccc; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="border: 1px solid black; padding: 2px;"> <p>Can be restored</p> <p>Cannot be restored</p> </div> </div>
Snapshot 1	<div style="border: 1px solid black; padding: 2px;"> <div style="background-color: #ccc; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="border: 1px solid black; padding: 2px;"> <p>Can be restored</p> <p>Cannot be restored</p> </div> </div>
Snapshot 2	<div style="border: 1px solid black; padding: 2px;"> <div style="background-color: #ccc; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="border: 1px solid black; padding: 2px;"> <p>Can be restored</p> <p>Cannot be restored</p> </div> </div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Can be restored

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

Box 2: Cannot be restored It has been deleted.

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

References:

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

NEW QUESTION 137

HOTSPOT - (Topic 8)

You have a web service that is used to pay for food deliveries. The web service uses Azure Cosmos DB as the data store.

You plan to add a new feature that allows users to set a tip amount. The new feature requires that a property named tip on the document in Cosmos DB must be present and contain a numeric value.

There are many existing websites and mobile apps that use the web service that will not be updated to set the tip property for some time.

How should you complete the trigger?

NOTE: Each correct selection is worth one point.

```
function ensureTip() {
var r = 

▼



_.value();



_.readDocument('item');



getContext().getRequest();



getContext().getResponse();


var i = r.getBody();


▼



if (!("tip" in i)) {



if (request.getValue("tip") === null){



if (isNaN(i)["tip"] || i["tip"]=== null) {



if (typeof _pluck("tip") == 'number') {



i["tip"] = 0;



}



▼



r.setBody(i);



r.setValue(i);



_.upsertDocument(i);



_.replaceDocument(i)


}
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: `getContext().getRequest();`

Box 2: `if(isNaN(i))["tip"] ..`

In JavaScript, there are two ways to check if a variable is a number :

`isNaN()` – Stands for “is Not a Number”, if variable is not a number, it return true, else return false.

`typeof` – If variable is a number, it will returns a string named “number”.

Box 3: `r.setBody(i);`

// update the item that will be created

References:

<https://docs.microsoft.com/bs-latn-ba/azure/cosmos-db/how-to-write-stored-procedures- triggers-udfs>

<https://mkyong.com/javascript/check-if-variable-is-a-number-in-javascript/>

NEW QUESTION 140

- (Topic 8)

You are developing an internal website for employees to view sensitive data. The website uses Azure Active Directory (AAD) for authentication. You need to implement multifactor authentication for the website.

What should you do? Each correct answer presents part of the solution. NOTE; Each correct selection is worth one point.

- A. In Azure AD, create a new conditional access policy.
- B. In Azure AD, enable application proxy.
- C. Configure the website to use Azure AD B2C.
- D. In Azure AD conditional access, enable the baseline policy.
- E. Upgrade to Azure AD Premium.

Answer: AE

Explanation:

References:

<https://docs.microsoft.com/en-us/azure/active-directory/authentication/howto-mfa- getstarted>

NEW QUESTION 141

- (Topic 8)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

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

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

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

Solution: Configure the app to use an App Service hosting plan and enable the Always On setting.

Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

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

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

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

Reference:

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

NEW QUESTION 143

HOTSPOT - (Topic 8)

You are developing a solution that uses several Azure Service Bus queues. You create an Azure Event Grid subscription for the Azure Service Bus namespace. You use Azure Functions as subscribers to process the messages.

You need to emit events to Azure Event Grid from the queues. You must use principal of least privilege and minimize costs.

Which Azure Service Bus values should you use? TO answer, select the appropriate options in the answer area

Each correct selection is worth ore point

Configuration	Value
Tier	<input type="text"/> <ul style="list-style-type: none"> Basic Standard Premium
Access control (IAM) level	<input type="text"/> <ul style="list-style-type: none"> Contributor Data Receiver Data Sender Data Owner

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Configuration	Value
Tier	<input type="text"/> <ul style="list-style-type: none"> Basic Standard Premium
Access control (IAM) level	<input type="text"/> <ul style="list-style-type: none"> Contributor Data Receiver Data Sender Data Owner

NEW QUESTION 148

DRAG DROP - (Topic 8)

You are developing an application to use Azure Blob storage. You have configured Azure Blob storage to include change feeds.

A copy of your storage account must be created in another region. Data must be copied from the current storage account to the new storage account directly between the storage servers.

You need to create a copy of the storage account in another region and copy the data.

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

Actions	Answer Area
Use AZCopy to copy the data to the new storage account.	
Deploy the template to create a new storage account in the target region.	
Export a Resource Manager template.	⬅️
Create a new template deployment.	➡️
Modify the template by changing the storage account name and region.	⬆️

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

<https://docs.microsoft.com/en-us/azure/storage/common/storage-account-move?tabs=azure-portal#modify-the-template>

NEW QUESTION 149

- (Topic 8)

You develop Azure solutions. A .NET application needs to receive a message each time an Azure virtual machine finishes processing data. The messages must NOT persist after being processed by the receiving application.

You need to implement the .NET object that will receive the messages. Which object should you use?

- A. QueueClient
- B. SubscriptionClient
- C. TopicClient
- D. CloudQueueClient

Answer: A

Explanation:

A queue allows processing of a message by a single consumer. Need a CloudQueueClient to access the Azure VM.

Reference:

<https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-queues-topics-subscriptions>

NEW QUESTION 153

HOTSPOT - (Topic 8)

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

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

You need to implement push notifications.

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

NOTE: Each correct selection is worth one point.

Answer Area

```
string notificationHubName = "contoso_hub";
string notificationHubConnection = "connection_string";
```

▼ hub=

- NotificationHubClient
- NotificationHubClientSettings
- NotificationHubJob
- NotificationDetails

▼

- GetInstallation
- CreateClientFromConnectionString
- CreateOrUpdateInstallation
- PatchInstallation

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: NotificationHubClient

Box 2: NotificationHubClient

Box 3: CreateClientFromConnectionString

// Initialize the Notification Hub NotificationHubClient hub =
 NotificationHubClient.CreateClientFromConnectionString(listenConnString, hubName);

Box 4: SendWindowsNativeNotificationAsync Send the push notification.

```
var result = await hub.SendWindowsNativeNotificationAsync(windowsToastPayload);
```

References:

- <https://docs.microsoft.com/en-us/azure/notification-hubs/notification-hubs-push-notification-registration-management>
- <https://github.com/MicrosoftDocs/azure-docs/blob/master/articles/app-service-mobile/app-service-mobile-windows-store-dotnet-get-started-push.md>

NEW QUESTION 158

- (Topic 8)

You are developing a mobile app that uses an API which stores geospabal data in Azure Cosmos D& The app will be used to find restaurants in a particular area and related information including food types, menu information and the optimal route to a selected restaurant from the user's current location. Which Azure Cosmos DB API should you use for the API?

- A. MongoDB
- B. Gremlin
- C. Cassandra
- D. Core

Answer: A

NEW QUESTION 163

DRAG DROP - (Topic 8)

You are developing several microservices named serviceA, serviceB, and serviceC. You deploy the microservices to a new Azure Container Apps environment. You have the following requirements.

- The microservices must persist data to storage.
 - serviceA must persist data only visible to the current container and the storage must be restricted to the amount of disk space available in the container
 - servtceB must persist data for the lifetime of the replica and allow multiple containers in the replica to mount the same storage location.
 - serviceC must persist data beyond the lifetime of the replica while allowing multiple containers to access the storage and enable per object permissions.
- You need to configure storage for each microservice.

Storage types	Answer Area								
Azure Blob Storage	<table border="1"> <thead> <tr> <th>Microservice</th> <th>Storage type</th> </tr> </thead> <tbody> <tr> <td>serviceA</td> <td></td> </tr> <tr> <td>serviceB</td> <td></td> </tr> <tr> <td>serviceC</td> <td></td> </tr> </tbody> </table>	Microservice	Storage type	serviceA		serviceB		serviceC	
Microservice		Storage type							
serviceA									
serviceB									
serviceC									
Azure Files storage									
Ephemeral volume									
Container file system									

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Storage types	Answer Area								
Azure Blob Storage	<table border="1"> <thead> <tr> <th>Microservice</th> <th>Storage type</th> </tr> </thead> <tbody> <tr> <td>serviceA</td> <td>Ephemeral volume</td> </tr> <tr> <td>serviceB</td> <td>Container file system</td> </tr> <tr> <td>serviceC</td> <td>Azure Files storage</td> </tr> </tbody> </table>	Microservice	Storage type	serviceA	Ephemeral volume	serviceB	Container file system	serviceC	Azure Files storage
Microservice		Storage type							
serviceA		Ephemeral volume							
serviceB		Container file system							
serviceC	Azure Files storage								
Azure Files storage									
Ephemeral volume									
Container file system									

NEW QUESTION 166

- (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 170

HOTSPOT - (Topic 8)

You are developing a back-end Azure App Service that scales based on the number of messages contained in a Service Bus queue. A rule already exists to scale up the App Service when the average queue length of unprocessed and valid queue messages is greater than 1000. You need to add a new rule that will continuously scale down the App Service as long as the scale up condition is not met. How should you configure the Scale rule? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Service bus queue
 You are developing a back-end Azure App Service that scales based on the number of messages contained in a Service Bus queue.
 Box 2: ActiveMessage Count
 ActiveMessageCount: Messages in the queue or subscription that are in the active state and ready for delivery.
 Box 3: Count
 Box 4: Less than or equal to
 You need to add a new rule that will continuously scale down the App Service as long as the scale up condition is not met.
 Box 5: Decrease count by

NEW QUESTION 171

- (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 175

HOTSPOT - (Topic 8)
 You are developing an Azure Function app. The Azure Function app must enable a WebHook to read an image from Azure Blob Storage and create a new Azure Cosmos DB document. You need to implement the Azure Function app. Which configuration should you use? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

Trigger	Input binding	Output binding
Blob Storage	Blob Storage	Azure Cosmos DB
HTTP	HTTP	HTTP
Timer	Timer	Timer
Blob Storage	Blob Storage	Blob Storage
Azure Cosmos DB	Azure Cosmos DB	Azure Cosmos DB

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Trigger	Input binding	Output binding
Blob Storage	Blob Storage	Azure Cosmos DB
HTTP	HTTP	HTTP
Timer	Timer	Timer
Blob Storage	Blob Storage	Blob Storage
Azure Cosmos DB	Azure Cosmos DB	Azure Cosmos DB

NEW QUESTION 178

HOTSPOT - (Topic 8)

You develop two Python scripts to process data.

The Python scripts must be deployed to two, separate Linux containers running in an Azure Container Instance container group. The containers must access external data by using the Server Message Block (SMB) protocol. Containers in the container group must run only once.

You need to configure the Azure Container Instance.

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

NOTE: Each correct selection is worth one point.

Answer Area

Configuration Setting	Configuration Value
External data volume	<div style="border: 1px solid gray; padding: 5px;"> <div style="text-align: right; border-bottom: 1px solid gray;">▼</div> <p>Secret</p> <p>Empty directory</p> <p>Cloned git repo</p> <p>Azure file share</p> </div>
Container restart policy	<div style="border: 1px solid gray; padding: 5px;"> <div style="text-align: right; border-bottom: 1px solid gray;">▼</div> <p>Never</p> <p>Always</p> <p>OnFailure</p> </div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Configuration Setting

Configuration Value

External data volume

▼

- Secret
- Empty directory
- Cloned git repo
- Azure file share !

Container restart policy

▼

- Never !
- Always
- OnFailure

NEW QUESTION 182

- (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 184

DRAG DROP - (Topic 8)

Fourth Coffee has an ASP.NET Core web app that runs in Docker. The app is mapped to the www.fourthcoffee.com domain.

Fourth Coffee is migrating this application to Azure.

You need to provision an App Service Web App to host this docker image and map the custom domain to the App Service web app.

A resource group named FourthCoffeePublicWebResourceGroup has been created in the WestUS region that contains an App Service Plan named AppServiceLinuxDockerPlan.

Which order should the CLI commands be used to develop the solution? To answer, move all of the Azure CLI command from the list of commands to the answer area and arrange them in the correct order.

Azure CLI commands

Answer area

```
az webapp config hostname add
--webapp-name $appName
--resource-group fourthCoffeePublicWebResourceGroup
--hostname $fqdn
```

```
#!/bin/bash
appName="FourthCoffeePublicWeb$random".
location "WestUS"
dockerHubContainerPath="FourthCoffee/publicweb:v1"
fqdn=http://www.fourthcoffee.com>www.fourthcoffee.com
```

```
az webapp create
--name $appName
--plan AppServiceLinuxDockerPlan
--resource-group fourthCoffeePublicWebResourceGroup
```

```
az webapp config container set
--docker-custom-image-name $dockerHibContainerPath
--name $appName
--resource-group fourthCoffeePublicWebResourceGroup
```



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: #bin/bash

The appName is used when the webapp-name is created in step 2.

Step 2: az webapp config hostname add

The webapp-name is used when the webapp is created in step 3.

Step 3: az webapp create

Create a web app. In the Cloud Shell, create a web app in the myAppServicePlan App Service plan with the az webapp create command.

Step : az webapp config container set

In Create a web app, you specified an image on Docker Hub in the az webapp create command. This is good enough for a public image. To use a private image, you need to configure your Docker account ID and password in your Azure web app.

In the Cloud Shell, follow the az webapp create command with az webapp config container set.

References:

<https://docs.microsoft.com/en-us/azure/app-service/containers/tutorial-custom-docker-image>

NEW QUESTION 185

DRAG DROP - (Topic 8)

You are developing a REST web service. Customers will access the service by using an Azure API Management instance.

The web service does not correctly handle conflicts. Instead of returning an HTTP status code of 409, the service returns a status code of 500. The body of the status message contains only the word conflict.

You need to ensure that conflicts produce the correct response.

How should you complete the policy? 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.

Policy segments	Answer Area
server	<pre> < Policy segment > <base /> <choose> <when condition = " @ Policy segment .Response.StatusCode == 500 && Policy segment .LastError.Message.Contains (" conflict = ")) " > <return-response> < Policy segment > </return-response> </when> <otherwise /> </choose> < Policy segment > </pre>
context	
on-error	
set-status	
when-error	
override-status	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: on-error

Policies in Azure API Management are divided into inbound, backend, outbound, and on- error.

If there is no on-error section, callers will receive 400 or 500 HTTP response messages if an error condition occurs.

Box 2: context

Box 3: context

Box 4: set-status

The return-response policy aborts pipeline execution and returns either a default or custom response to the caller. Default response is 200 OK with no body.

Custom response can be specified via a context variable or policy statements. Syntax:

<return-response response-variable-name="existing context variable">

<set-header/>

<set-body/>

<set-status/>

</return-response> Box 5: on-error

NEW QUESTION 188

HOTSPOT - (Topic 8)

You are developing an application that monitors data added to an Azure Blob storage account.

You need to process each change made to the storage account.

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.

```
cf = ChangeFeedClient("", "")
x = None
while True:
    change_feed = cf.
    for c in change_fee
        ProcessChanges(c)
    x = change_feed.
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

```
cf = ChangeFeedClient("", "")
x = None
while True:
    change_feed = cf.
    for c in change_fee
        ProcessChanges(c)
    x = change_feed.
```

NEW QUESTION 193

- (Topic 8)

You are developing a project management service by using ASP.NET. The service hosts conversations, files, to-do lists, and a calendar that users can interact with at any time.

The application uses Azure Search for allowing users to search for keywords in the project data.

You need to implement code that creates the object which is used to create indexes in the Azure Search service.

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

- A. SearchService
- B. SearchIndexClient
- C. SearchServiceClient
- D. SearchCredentials

Answer: BC

Explanation:

The various client libraries define classes like Index, Field, and Document, as well as operations like Indexes.Create and Documents.Search on the SearchServiceClient and SearchIndexClient classes.

Example:

The sample application we'll be exploring creates a new index named "hotels", populates it with a few documents, then executes some search queries. Here is the main program, showing the overall flow:

/ This sample shows how to delete, create, upload documents and query an index static void Main(string[] args)

```
{
    IConfigurationBuilder builder = new ConfigurationBuilder().AddJsonFile("appsettings.json"); IConfigurationRoot configuration = builder.Build();
    SearchServiceClient serviceClient = CreateSearchServiceClient(configuration); Console.WriteLine("{0}", "Deleting index...\n");
    DeleteHotelsIndexIfExists(serviceClient);
    Console.WriteLine("{0}", "Creating index...\n"); CreateHotelsIndex(serviceClient);
    ISearchIndexClient indexClient = serviceClient.Indexes.GetClient("hotels");
    References:
```

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

NEW QUESTION 195

- (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 a DataContainer that contains the documents which must be added.
 * 3. Create a DataSource instance and set its Container property to the DataContainer.
 * 4 Call the Documents.Suggest method of the SearchIndexClient and pass the DataSource.
 Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

NEW QUESTION 197

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:

- ? A driver selects the restaurants from which they will deliver orders.
- ? Orders are sent to all available drivers in an area.
- ? Only orders for the selected restaurants will appear for the driver.
- ? 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	Answer Area
Create a single Service Bus topic.	
Create a Service Bus Namespace for each restaurant for which a driver can receive messages.	
Create a single Service Bus subscription.	
Create a Service Bus subscription for each restaurant for which a driver can receive orders.	
Create a single Service Bus Namespace.	
Create a Service Bus topic for each restaurant for which a driver can receive messages.	

- 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 201

HOTSPOT - (Topic 8)

You have an Azure Batch project that processes and converts files and stores the files in Azure storage. You are developing a function to start the batch job. You add the following parameters to the function.

Parameter name	Description
fileTasks	a list of tasks to be run
jobId	the identifier that must be assigned to the job
outputContainerSasUrl	a storage SAS URL to store successfully converted files
failedContainerSasUrl	a storage SAS URL to store copies of files that failed to convert.

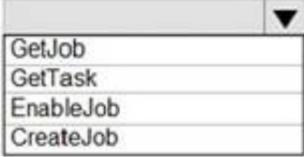
You must ensure that converted files are placed in the container referenced by the outputContainerSasUrl parameter. Files which fail to convert are placed in the container referenced by the failedContainerSasUrl parameter.

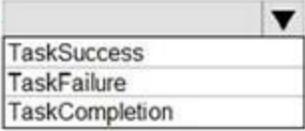
You need to ensure the files are correctly processed.

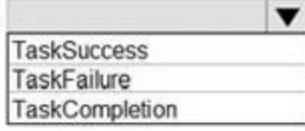
How should you complete the code segment? To answer, select the appropriate options in the answer area.

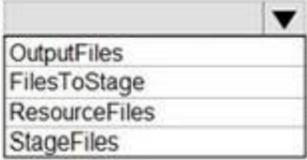
NOTE: Each correct selection is worth one point.

Answer Area

```
public List<CloudTasks> StartTasks(List<FileTask> fileTasks, string jobId,
string outputContainerSasUrl, string failedContainerSasUrl)
{
    BatchSharedKeyCredentials sharedKeyCredentials =
    new BatchSharedKeyCredentials(batchAccountUrl, batchAccountName,
batchAccountKey);
    List<CloudTask> tasks = new List<CloudTask>();
    using (BatchClient batchClient = BatchClient.Open(sharedKeyCredentials))
    {
        CloudJob = batchClient.JobOperations.  ();

        job.Id = jobId,
        job.PoolInformation = new PoolInformation { PoolId = poolId };
        job.Commit();
        fileTasks.ForEach((fileTask) =>
        {
            string taskId = $"Task{DateTime.Now.ToFileTimeUtc().ToString()}";
            CloudTask task = new CloudTask (taskId, fileTask.Command);
            List<OutputFile> outputFileList = new List<OutputFile>();
            OutputFileBlobContainerDestination outputContainer =
            new OutputFileBlobContainerDestination(outputContainerSasUrl);
            OutputFileBlobContainerDestination failedContainer =
            new OutputFileBlobContainerDestination (failedContainerSasUrl);
            outputFileList.Add(new OutputFile(fileTask.Output,
            new OutputFileDestination(outputContainer),
            new OutputFileUploadOptions(OutputFileUploadCondition.  ));

            outputFileList.Add(new OutputFile(fileTask.Output,
            new OutputFileDestination(failedContainer),
            new OutputFileUploadOptions(OutputFileUploadCondition,  ));

            task.  =outputFileList;

            task.Add(task);
        });
    }
    return tasks,
}
}
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: CreateJob

Box 2: TaskSuccess

TaskSuccess: Upload the file(s) only after the task process exits with an exit code of 0.

Incorrect: TaskCompletion: Upload the file(s) after the task process exits, no matter what the exit code was.

Box 3: TaskFailure

TaskFailure: Upload the file(s) only after the task process exits with a nonzero exit code.

Box 4: OutputFiles

To specify output files for a task, create a collection of OutputFile objects and assign it to the CloudTask.OutputFiles property when you create the task.

References: <https://docs.microsoft.com/en-us/dotnet/api/microsoft.azure.batch.protocol.models.outputfileuploadcondition>

<https://docs.microsoft.com/en-us/azure/batch/batch-task-output-files>

NEW QUESTION 203

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 changes 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 204

- (Topic 8)

You manage a data processing application that receives requests from an Azure Storage queue.

You need to manage access to the queue. You have the following requirements:

? Provide other applications access to the Azure queue.

? Ensure that you can revoke access to the queue without having to regenerate the storage account keys.

? Specify access at the queue level and not at the storage account level.

Which type of shared access signature (SAS) should you use?

- A. Service SAS with a stored access policy
- B. Account SAS
- C. User Delegation SAS
- D. Service SAS with ad hoc SAS

Answer: A

Explanation:

A service SAS is secured with the storage account key. A service SAS delegates access to a resource in only one of the Azure Storage services: Blob storage, Queue storage, Table storage, or Azure Files.

Stored access policies give you the option to revoke permissions for a service SAS without having to regenerate the storage account keys.

Reference:

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

NEW QUESTION 206

- (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 211

- (Topic 8)

You are developing an Azure Cosmos DB solution by using the Azure Cosmos DB SQL API. The data includes millions of documents. Each document may contain hundreds of properties.
 The properties of the documents do not contain distinct values for partitioning. Azure Cosmos DB must scale individual containers in the database to meet the performance needs of the application by spreading the workload evenly across all partitions over time.
 You need to select a partition key.
 Which two partition keys can you use? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

- A. a concatenation of multiple property values with a random suffix appended
- B. a single property value that does not appear frequently in the documents
- C. a hash suffix appended to a property value
- D. a value containing the collection name
- E. a single property value that appears frequently in the documents

Answer: AC

Explanation:

You can form a partition key by concatenating multiple property values into a single artificial partitionKey property. These keys are referred to as synthetic keys. Another possible strategy to distribute the workload more evenly is to append a random number at the end of the partition key value. When you distribute items in this way, you can perform parallel write operations across partitions.

Note: It's the best practice to have a partition key with many distinct values, such as hundreds or thousands. The goal is to distribute your data and workload evenly across the items associated with these partition key values. If such a property doesn't exist in your data, you can construct a synthetic partition key.

References:

<https://docs.microsoft.com/en-us/azure/cosmos-db/synthetic-partition-keys>

NEW QUESTION 214

- (Topic 8)

You are developing an ASP.NET Core Web API web service. The web service uses Azure Application Insights for all telemetry and dependency tracking. The web service reads and writes data to a database other than Microsoft SQL Server.

You need to ensure that dependency tracking works for calls to the third-party database. Which two Dependency Telemetry properties should you store in the database? Each

correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Telemetry.Context.Operation.Id
- B. Telemetry.Context.Cloud.RoleInstance
- C. Telemetry.Id
- D. Telemetry.Context.Session.Id
- E. Telemetry.Name

Answer: AC

Explanation:

References:

<https://docs.microsoft.com/en-us/azure/azure-monitor/app/custom-operations-tracking>

Example:

```
public async Task Enqueue(string payload)
{
    // StartOperation is a helper method that initializes the telemetry item
    // and allows correlation of this operation with its parent and children.
    var operation = telemetryClient.StartOperation<DependencyTelemetry>("enqueue " + queueName);
    operation.Telemetry.Type = "Azure Service Bus"; operation.Telemetry.Data = "Enqueue " + queueName;
    var message = new BrokeredMessage(payload);
    // Service Bus queue allows the property bag to pass along with the message.
    // We will use them to pass our correlation identifiers (and other context)
    // to the consumer.
    message.Properties.Add("ParentId", operation.Telemetry.Id); message.Properties.Add("RootId", operation.Telemetry.Context.Operation.Id);
}
```

Reference:

<https://docs.microsoft.com/en-us/azure/azure-monitor/app/custom-operations-tracking>

NEW QUESTION 219

- (Topic 8)

A company is implementing a publish-subscribe (Pub/Sub) messaging component by using Azure Service Bus. You are developing the first subscription application.

In the Azure portal you see that messages are being sent to the subscription for each topic. You create and initialize a subscription client object by supplying the correct details, but the subscription application is still not consuming the messages.

You need to complete the source code of the subscription client. What should you do?

- A. await subscriptionClient.CloseAsync();
- B. await subscriptionClient.AddRuleAsync(new RuleDescription(RuleDescription.DefaultRuleName, new TrueFilter()));
- C. subscriptionClient.RegisterMessageHandler(ProcessMessagesAsync, messageHandlerOptions);
- D. subscriptionClient = new SubscriptionClient(ServiceBusConnectionString, TopicName, SubscriptionName);

Answer: C

Explanation:

Using topic client, call RegisterMessageHandler which is used to receive messages continuously from the entity. It registers a message handler and begins a new thread to receive messages. This handler is waited on every time a new message is received by the receiver.

```
subscriptionClient.RegisterMessageHandler(ReceiveMessagesAsync, messageHandlerOptions);
```

References:

<https://www.c-sharpcorner.com/article/azure-service-bus-topic-and-subscription-pub-sub/>

NEW QUESTION 221

- (Topic 8)

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

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

- A. `KeyVault:mykeyvault;Secret:token`
- B. `App:Settings:Secret:mykeyvault:token`
- C. `AZUREKVCNNSTR_ https://mykeyvault.vault.azure.net/secrets/token/`
- D. `@Microsoft.KeyVault(SecretUri=https://mykeyvault.vault.azure.net/secrets/token/)`

Answer: D

NEW QUESTION 225

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	<input type="checkbox"/> Blob storage <input type="checkbox"/> Azure Cosmos DB <input type="checkbox"/> Event Grid <input type="checkbox"/> HTTP
Binding Direction	<input type="checkbox"/> Input <input type="checkbox"/> Output
Trigger	<input type="checkbox"/> Blob storage <input type="checkbox"/> Azure Cosmos DB <input type="checkbox"/> Event Grid <input type="checkbox"/> HTTP

- 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 226

- (Topic 7)

you need to reduce read latency for the retail store solution.

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. Create a new composite index for the store location data queries in Azure Cosmos D
- B. Modify the queries to support parameterized SQL and update the Azure function app to call the new Queries.
- C. Configure Azure Cosmos DB consistency to strong consistency Increase the RUs for the container supporting store location data.
- D. Provision an Azure Cosmos OB dedicated gateway, update blob storage to use the new dedicated gateway endpoint.
- E. Configure Azure Cosmos DB consistency to session consistenc
- F. Cache session tokens in a new Azure Redis cache instance after every writ
- G. Update reads to use the session token stored in Azure Redis.
- H. Provision an Azure Cosmos DB dedicated gateway Update the Azure Function app connection string to use the new dedicated gateway endpoint.

Answer: CD

NEW QUESTION 231

HOTSPOT - (Topic 6)

You need to configure Azure Cosmos DB.

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
Consistency Level	<div style="border: 1px solid black; padding: 5px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="border: 1px solid black; padding: 2px;"> <p>Strong</p> <p>Bounded-staleness</p> <p>Session</p> <p>Eventual</p> </div> </div>
API	<div style="border: 1px solid black; padding: 5px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="border: 1px solid black; padding: 2px;"> <p>SQL</p> <p>MongoDB</p> <p>Graph</p> <p>Table</p> </div> </div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, application, table Description automatically generated

Box 1: Strong

When the consistency level is set to strong, the staleness window is equivalent to zero, and the clients are guaranteed to read the latest committed value of the write operation. Scenario: Changes to the Order data must reflect immediately across all partitions. All reads to the Order data must fetch the most recent writes.

Note: You can choose from five well-defined models on the consistency spectrum. From strongest to weakest, the models are: Strong, Bounded staleness, Session, Consistent prefix, Eventual

Box 2: SQL

Scenario: You identify the following requirements for data management and manipulation: Order data is stored as nonrelational JSON and must be queried using Structured Query Language (SQL).

NEW QUESTION 235

DRAG DROP - (Topic 5)

You need to ensure disaster recovery requirements are met. What code should you add at line PC16?

To answer, drag the appropriate code fragments to the correct locations. Each code fragment 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.

Values

true

SingleTransferContext

ShouldTransferCallbackAsync

false

DirectoryTransferContext

ShouldOverwriteCallbackAsync

Answer Area

```

var copyOptions = new CopyOptions { };
var context = new Value = (source, destination) => Task.FromResult(true);
context. Value = (source, destination) => Task.FromResult(true);
await TransferManager.CopyAsync(blob, GetDRBlob(blob), isServiceCopy: Value
, context: context, options:copyOptions);
                    
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Scenario: Disaster recovery. Regional outage must not impact application availability. All DR operations must not be dependent on application running and must ensure that data in the DR region is up to date.

Box 1: DirectoryTransferContext We transfer all files in the directory.

Note: The TransferContext object comes in two forms: SingleTransferContext and DirectoryTransferContext. The former is for transferring a single file and the latter is for transferring a directory of files.

Box 2: ShouldTransferCallbackAsync

The DirectoryTransferContext.ShouldTransferCallbackAsync delegate callback is invoked to tell whether a transfer should be done.

Box 3: False

If you want to use the retry policy in Copy, and want the copy can be resume if break in the middle, you can use SyncCopy (isServiceCopy = false).

Note that if you choose to use service side copy ('isServiceCopy' set to true), Azure (currently) doesn't provide SLA for that. Setting 'isServiceCopy' to false will download the source blob loca

NEW QUESTION 238

- (Topic 5)

You need to ensure receipt processing occurs correctly. What should you do?

- A. Use blob properties to prevent concurrency problems
- B. Use blob SnapshotTime to prevent concurrency problems
- C. Use blob metadata to prevent concurrency problems
- D. Use blob leases to prevent concurrency problems

Answer: D

Explanation:

You can create a snapshot of a blob. A snapshot is a read-only version of a blob that's taken at a point in time. Once a snapshot has been created, it can be read, copied, or deleted, but not modified. Snapshots provide a way to back up a blob as it appears at a moment in time.

Scenario: Processing is performed by an Azure Function that uses version 2 of the Azure Function runtime. Once processing is completed, results are stored in Azure Blob Storage and an Azure SQL database. Then, an email summary is sent to the user with a link to the processing report. The link to the report must remain valid if the email is forwarded to another user.

Reference:

<https://docs.microsoft.com/en-us/rest/api/storageservices/creating-a-snapshot-of-a-blob>

NEW QUESTION 240

HOTSPOT - (Topic 4)

You need to implement the Log policy.

How should you complete the EnsureLogging method in EventGridController.cs? To answer, select the appropriate options in the answer area.

NOTE:Each correct selection is worth one point.

```
var client = new WebSiteManagementClient(. . .);
var id = ParseResourceID(resource);
var appSettings = new StringDictionary(name: "properties",
    properties: new Dictionary<string, string> {
        {"DIAGNOSTICS_AZUREBLOBCONTAINERSASURL", BlobStoreAccountSAS("
        [dropdown: logs, logdrop]
    ")}),

        {"DIAGNOSTICS_AZUREBLOBRETENTIONINDAYS", "
        [dropdown: 15, 30]
    "}});
client.WebApps. [dropdown: UploadLoggingSettings, UpdateApplicationSetting]
    (
        id.resourceGroup,
        id.name, appSettings);
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: logdrop

All log files should be saved to a container named logdrop.

Box 2: 15

Logs must remain in the container for 15 days.

Box 3: UpdateApplicationSettings

All Azure App Service Web Apps must write logs to Azure Blob storage.

NEW QUESTION 243

HOTSPOT - (Topic 4)

You need to insert code at line LE03 of LoginEvent.cs to ensure that all authentication events are processed correctly.

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

NOTE:Each correct selection is worth one point.

public string (get; set;)

id
eventType
dataVersion
metadataVersion

public string (get; set;)

id
eventType
dataVersion
metadataVersion

public string (get; set;)

id
eventType
dataVersion
metadataVersion

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: id
 id is a unique identifier for the event.

Box 2: eventType
 eventType is one of the registered event types for this event source.

Box 3: dataVersion
 dataVersion is the schema version of the data object. The publisher defines the schema version.

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

The following example shows the properties that are used by all event publishers: [

```
{
  "topic": string, "subject": string, "id": string, "eventType": string, "eventTime": string, "data":{
  object-unique-to-each-publisher
  },
  "dataVersion": string, "metadataVersion": string
}
```

]

NEW QUESTION 245

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	Answer Area
Process	<pre>public class IncludeEventId : <input type="text" value=""/> { public void <input type="text" value=""/> (ITelemetry telemetry) { <input type="text" value=""/>.Properties["EventId"] = <input type="text" value=""/>; } }</pre>
Initialize	
telemetry.Sequence	
ITelemetryProcessor	
ITelemetryInitializer	
telemetry.Context	
EventGridController.EventId.Value	
((EventTelemetry)telemetry).Properties["EventId"]	

- 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 246

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 249

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 style="border: 1px solid gray; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="padding: 2px;"> <p>Check HTTP header</p> <p>Restrict caller IPs</p> <p>Limit call rate by key</p> <p>Validate JWT</p> </div> </div>
Policy section	<div style="border: 1px solid gray; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="padding: 2px;"> <p>Inbound</p> <p>Outbound</p> </div> </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 251

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 style="border: 1px solid #ccc; padding: 2px;"> <div style="text-align: right; padding-right: 5px;">▼</div> <div style="padding: 2px;">Basic</div> <div style="padding: 2px;">Standard</div> <div style="padding: 2px;">Premium</div> </div>
RBAC role	<div style="border: 1px solid #ccc; padding: 2px;"> <div style="text-align: right; padding-right: 5px;">▼</div> <div style="padding: 2px;">Owner</div> <div style="padding: 2px;">Contributor</div> <div style="padding: 2px;">Azure Service Bus Data Owner</div> <div style="padding: 2px;">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 253

- (Topic 2)

You need to configure the ContentUploadService deployment.

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

- A. Add the following markup to line CS23: types: Private
- B. Add the following markup to line CS24: osType: Windows
- C. Add the following markup to line CS24: osType: Linux
- D. Add the following markup to line CS23: types: Public

Answer: C

Explanation:

Scenario: All Internal services must only be accessible from Internal Virtual Networks (VNets)

There are three Network Location types – Private, Public and Domain Reference:

<https://devblogs.microsoft.com/powershell/setting-network-location-to-private/>

NEW QUESTION 254

- (Topic 2)

You need to monitor ContentUploadService according to the requirements. Which command should you use?

- A. az monitor metrics alert create -n alert -g ... - -scopes ... - -condition "avg Percentage CPU > 8"
- B. az monitor metrics alert create -n alert -g ... - -scopes ... - -condition "avg Percentage CPU > 800"
- C. az monitor metrics alert create -n alert -g ... - -scopes ... - -condition "CPU Usage > 800"
- D. az monitor metrics alert create -n alert -g ... - -scopes ... - -condition "CPU Usage > 8"

Answer: B

Explanation:

Scenario: An alert must be raised if the ContentUploadService uses more than 80 percent of available CPU-cores

Reference:

<https://docs.microsoft.com/sv-se/cli/azure/monitor/metrics/alert>

NEW QUESTION 259

DRAG DROP - (Topic 2)

You need to add markup at line AM04 to implement the ContentReview role.

How should you complete the markup? 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	Answer Area
User	<pre> "appRoles" : [{ " [] ": [" [] "], "displayName": "ContentReviewer", "id": "e1c2ade8-98f8-45fd-aa4a-6d24b512c22a", "isEnabled" : true, " [] " : "ContentReviewer" }], </pre>
value	
role	
Application	
allowedMemberTypes	
allowedAccountTypes	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: allowedMemberTypes

allowedMemberTypes specifies whether this app role definition can be assigned to users and groups by setting to "User", or to other applications (that are accessing this application in daemon service scenarios) by setting to "Application", or to both.

Note: The following example shows the appRoles that you can assign to users. "appId": "8763f1c4-f988-489c-a51e-158e9ef97d6a",

```

"appRoles": [
{
  "allowedMemberTypes": [ "User"
  ],
  "displayName": "Writer",
  "id": "d1c2ade8-98f8-45fd-aa4a-6d06b947c66f", "isEnabled": true,
  "description": "Writers Have the ability to create tasks.", "value": "Writer"
}
],
"availableToOtherTenants": false,

```

Box 2: User

Scenario: In order to review content a user must be part of a ContentReviewer role.

Box 3: value

value specifies the value which will be included in the roles claim in authentication and access tokens.

NEW QUESTION 264

HOTSPOT - (Topic 2)

You need to ensure that validation testing is triggered per the requirements.

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

NOTE:Each correct selection is worth one point.

```

var event = getEvent();
if (event.eventType === '
    ImagePushed
    RepositoryItem
    ImageDeployed
    RepositoryUpdated

&& event.data.target.
    aci
    image
    service
    repository

&& event.
    topic
    service
    repository
    imageCollection

{
    startValidationTesting();
}

```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: RepositoryUpdated

When a new version of the ContentAnalysisService is available the previous seven days of content must be processed with the new version to verify that the new version does not significantly deviate from the old version.

Box 2: service

Box 3: imageCollection

NEW QUESTION 268

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