



Microsoft

Exam Questions AZ-204

Developing Solutions for Microsoft Azure

NEW QUESTION 1

- (Topic 8)

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

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

Answer: D

NEW QUESTION 2

- (Topic 8)

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

Which Azure CLI or PowerShell command should you run?

A)

```
New-AzureRmResourceGroup
  -Name fridge-rg
  -Location fridge-loc
```

B)

```
connectionStrings$(az servicebus namespace authorization-rule keys list
  --resource-group fridge-rg
  --fridge-ns fridge-ns
  --name RootManageSharedAccessKey
  --query primaryConnectionString --output tsv)
```

C)

```
New-AzureRmServiceBusQueue
  -ResourceGroupName fridge-rg
  -NamespaceName fridge-ns
  -Name fridge-q
  -EnablePartitioning $False
```

D)

```
New-AzureRmServiceBusNamespace
  -ResourceGroupName fridge-rg
  -NamespaceName fridge-ns
  -Location fridge-loc
```

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

Answer: C

NEW QUESTION 3

- (Topic 8)

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

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

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

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

Answer: B

Explanation:

You can create an Azure Function with TrackAvailability() that will run periodically according to the configuration given in TimerTrigger function with your own business logic. The results of this test will be sent to your Application Insights resource, where you will be able to query for and alert on the availability results data. This allows you to create customized tests similar to what you can do via Availability

Monitoring in the portal. Customized tests will allow you to write more complex availability tests than is possible using the portal UI, monitor an app inside of your Azure VNET, change the endpoint address, or create an availability test even if this feature is not available in your region.

D18912E1457D5D1DDCBD40AB3BF70D5D

Reference:

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

NEW QUESTION 4

HOTSPOT - (Topic 8)

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

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

You need to configure the SearchParameters class.

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

NOTE Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: QueryType

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

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

Box 2: Facets

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

Box 3: Filter

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

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

<https://docs.microsoft.com/en-us/azure/search/query-lucene-syntax>

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

NEW QUESTION 5

HOTSPOT - (Topic 8)

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

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

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

NOTE: Each correct selection is worth one point.

Answer Area

Operation type	Resulting consistency level
Read operations	<div style="border: 1px solid gray; padding: 5px;"> <div style="border-bottom: 1px solid gray; margin-bottom: 5px;">▼</div> <p>strong</p> <p>session</p> <p>consistent prefix</p> </div>
Write operations	<div style="border: 1px solid gray; padding: 5px;"> <div style="border-bottom: 1px solid gray; margin-bottom: 5px;">▼</div> <p>strong</p> <p>session</p> <p>consistent prefix</p> </div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Operation type	Resulting consistency level
Read operations	<div style="border: 1px solid gray; padding: 5px;"> <div style="border-bottom: 1px solid gray; margin-bottom: 5px;">▼</div> <p>strong</p> <p>session</p> <p>consistent prefix</p> </div>
Write operations	<div style="border: 1px solid gray; padding: 5px;"> <div style="border-bottom: 1px solid gray; margin-bottom: 5px;">▼</div> <p>strong</p> <p>session</p> <p>consistent prefix</p> </div>

NEW QUESTION 6

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 7

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 8

- (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 ensure that the subscription client processes all messages. Which code segment should you use?

- A. await subscriptionClient.AddRuleAsync(new RuleDescription (RuleDescription.DefaultRuleName, new TrueFilter()));
- B. subscriptionClient = new SubscriptionClient(ServiceBusConnectionString, TopicName, SubscriptionName); D18912E1457D5D1DDCBD40AB3BF70D5D
- C. await subscriptionClient.CloseAsync();
- D. subscriptionClient.RegisterMessageHandler(ProcessMessagesAsync, messageHandlerOptions);

Answer: D

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);

Reference:

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

NEW QUESTION 9

- (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 10

- (Topic 8)

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

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

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

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

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

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

- A. Yes
- B. No

Answer: A

Explanation:

References:

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

NEW QUESTION 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 11

DRAG DROP - (Topic 8)

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

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

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

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

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

NOTE: Each correct selection is worth one point.

Settings	Answer Area		
client_id			
profile			
delegated			
application			
user_impersonation			
	API	Permission	Type
	Azure Storage	Setting	Setting
	Microsoft Graph	User.Read	Setting

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: user_impersonation

Box 2: delegated Example:

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

Box 3: delegated Example

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

NEW QUESTION 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
tExistsAsync(); CreateCloudQueueClient ("contoso-storage");
CloudQueueClient CreateCloudTableClient
CloudTable GetQueueReference
CloudQueue 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
tExistsAsync(); CreateCloudQueueClient ("contoso-storage");
CloudQueueClient CreateCloudTableClient
CloudTable GetQueueReference
CloudQueue GetTableReference

```

NEW QUESTION 17

HOTSPOT - (Topic 8)

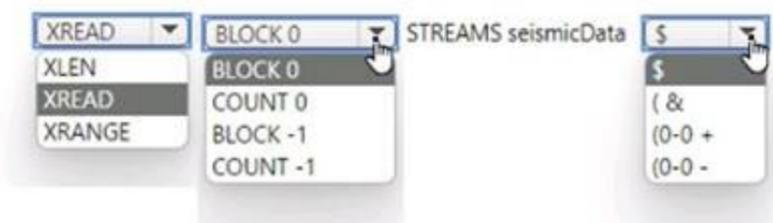
You develop new functionality in a web application for a company that provides access to seismic data from around the world. The seismic data is stored in Redis Streams within an Azure Cache for Redis instance.

The new functionality includes a real-time display of seismic events as they occur. You need to implement the Azure Cache for Redis command to receive seismic data.

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

NOTE: Each correct selection is worth one point.

Answer Area

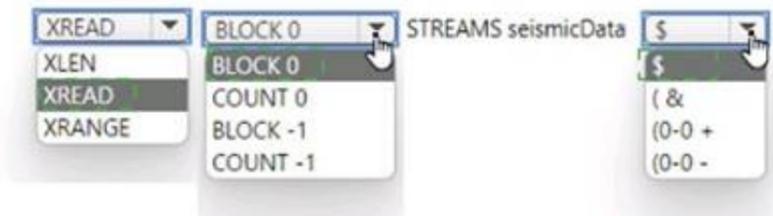


- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area



NEW QUESTION 21

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:

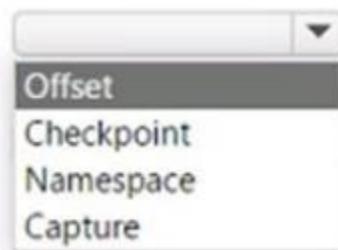
Consider the below query with an equality filter on DeviceId. If we run this query on a container partitioned on DeviceId, this query will filter to a single physical partition.

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

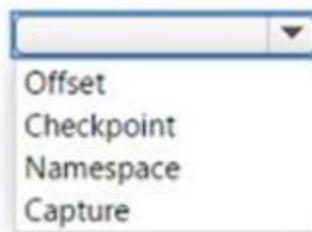

Requirement

Ensure that event process clients mark the position within an event sequence.

Feature



Mark the event processor client position within a partition event sequence.



- A. Mastered
- B. Not Mastered

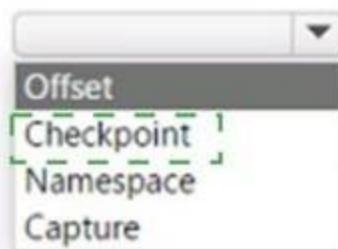
Answer: A

Explanation:

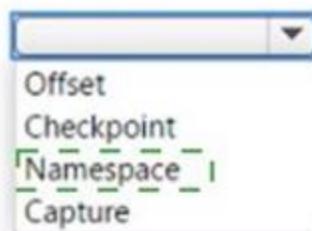
Requirement

Ensure that event process clients mark the position within an event sequence.

Feature



Mark the event processor client position within a partition event sequence.



NEW QUESTION 34

- (Topic 8)

You develop a REST API. You implement a user delegation SAS token to communicate with Azure Blob storage.

The token is compromised. You need to revoke the token.

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

NOTE: Each correct selection is worth one point.

- A. Revoke the delegation keys
- B. Delete the stored access policy.
- C. Regenerate the account key.
- D. Remove the role assignment for the security principle.

Answer: AB

Explanation:

A: Revoke a user delegation SAS

To revoke a user delegation SAS from the Azure CLI, call the az storage account revoke- delegation-keys command. This command revokes all of the user delegation keys associated with the specified storage account. Any shared access signatures associated with those keys are invalidated.

B: To revoke a stored access policy, you can either delete it, or rename it by changing the signed identifier.

Changing the signed identifier breaks the associations between any existing signatures and the stored access policy. Deleting or renaming the stored access policy immediately effects all of the shared access signatures associated with it. D18912E1457D5D1DDCBD40AB3BF70D5D

Reference:

<https://github.com/MicrosoftDocs/azure-docs/blob/master/articles/storage/blobs/storage-blob-user-delegationsas-create-cli.md>

<https://docs.microsoft.com/en-us/rest/api/storageservices/define-stored-access-policy#modifying-or-revoking-astored-access-policy>

NEW QUESTION 35

- (Topic 8)

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

- A. Use Azure Active Directory B2C (Azure AD B2C) with custom policie
- B. Most Voted

- C. Use Azure Active Directory B2B (Azure AD B2B) and enable external collaboration.
- D. Use Azure Active Directory B2C (Azure AD B2C) with user flows.
- E. Use Azure Active Directory B2B (Azure AD B2B).

Answer: A

Explanation:

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

NEW QUESTION 39

- (Topic 8)

You are developing an application that uses Azure Blob storage.

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

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

Answer: B

Explanation:

Change feed support in Azure Blob Storage

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

Reference:

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

NEW QUESTION 42

HOTSPOT - (Topic 8)

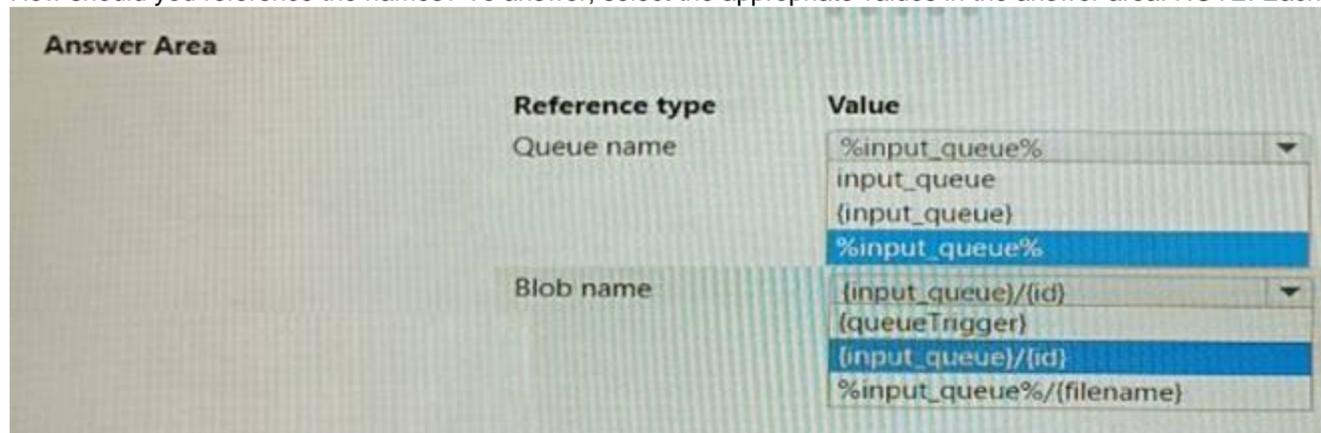
You plan to implement an Azure Functions app.

The Azure Functions app has the following requirements:

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

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

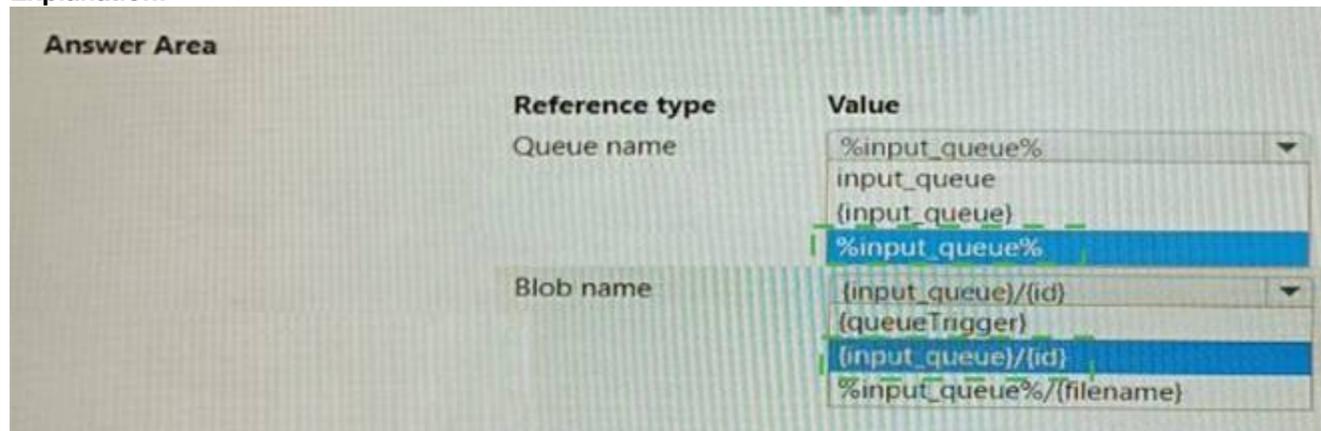
How should you reference the names? To answer, select the appropriate values in the answer area. NOTE: Each correct selection is worth one point.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 44

- (Topic 8)

You have a web application that provides access to legal documents that are stored on Azure Blob Storage with version level immutability policies. Documents are protected with both time-based policies and legal hold policies. All time-based retention policies have AllowProtectedAppendWrites property enabled. You have a requirement to prevent the user from attempting to perform operations that would fail only if a legal hold is in effect and when all other retention policies are expired. You need to meet the requirement. Which two operations do you prevent?

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

Answer: AC

NEW QUESTION 49

HOTSPOT - (Topic 8)

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

The application has sticky sessions enabled on the ingress controller.

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

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

NOTE: Each correct selection is worth one point.

```

let startTimestamp = 
| 
| where ClusterName == "Cluster1"
|  ;
ContainerLog
| 
| where TimeGenerated > startTimestamp
| where LogEntrySource == "stderr"
| 

```

The image shows a Kusto query editor with four dropdown menus. The first dropdown is for the startTimestamp variable, with options: ago(1d), since(1d), totimespan(1d), and date(now() - 1d). The second dropdown is for the aggregation function, with options: top ContainerID, union ContainerID, sample ContainerID, and distinct ContainerID. The third dropdown is for the query modification, with options: fork containerIDs, where ContainerID in (ContainerIDs), restrict ContainerID in (ContainerIDs), and join ContainerID == ContainerIDs.ContainerID. The fourth dropdown is for the final aggregation, with options: project by Computer, summarize by Computer, partition count() by Computer, and summarize count() by Computer.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: ago(1d)

Box 2: distinct containerID

Box 3: where ContainerID in (ContainerIDs)

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

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

NEW QUESTION 51

DRAG DROP - (Topic 8)

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

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

? reverse proxy capabilities

? configurable traffic routing

? TLS termination with a custom certificate

Which components should you use? To answer, drag the appropriate components to the correct requirements. Each component may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Helm

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

Box 2: kubectl

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

Box 3: Ingress Controller

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

NEW QUESTION 52

HOTSPOT - (Topic 8)

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

The website has the following authentication requirements:

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

How should you configure the manifest? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

```

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: groupMembershipClaims

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

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

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

Box 2: oAuth2AllowImplicitFlow

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

auth2Permissions can only accept collections value like an array, not a boolean. oAuth2AllowImplicitFlow accepts boolean value.

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

NEW QUESTION 53

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 Appfeatureflagstore 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 57

- (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>

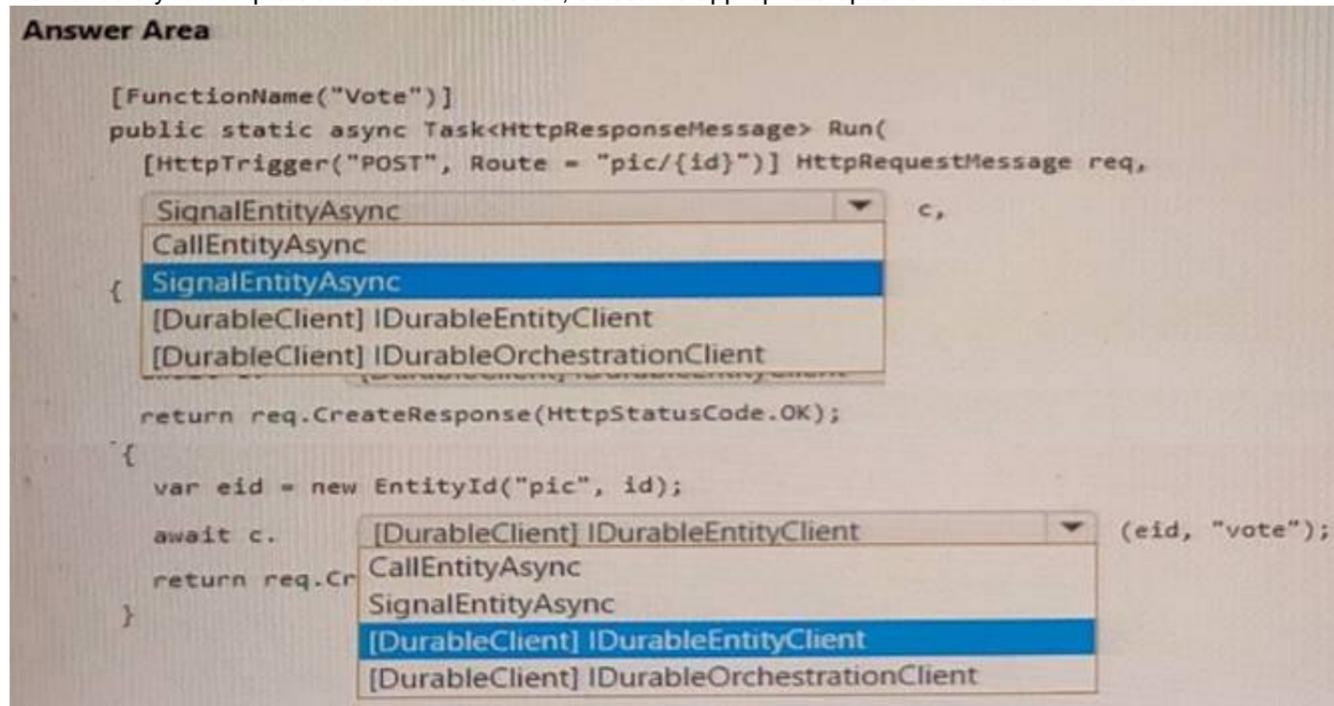
NEW QUESTION 59

HOTSPOT - (Topic 8)

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

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

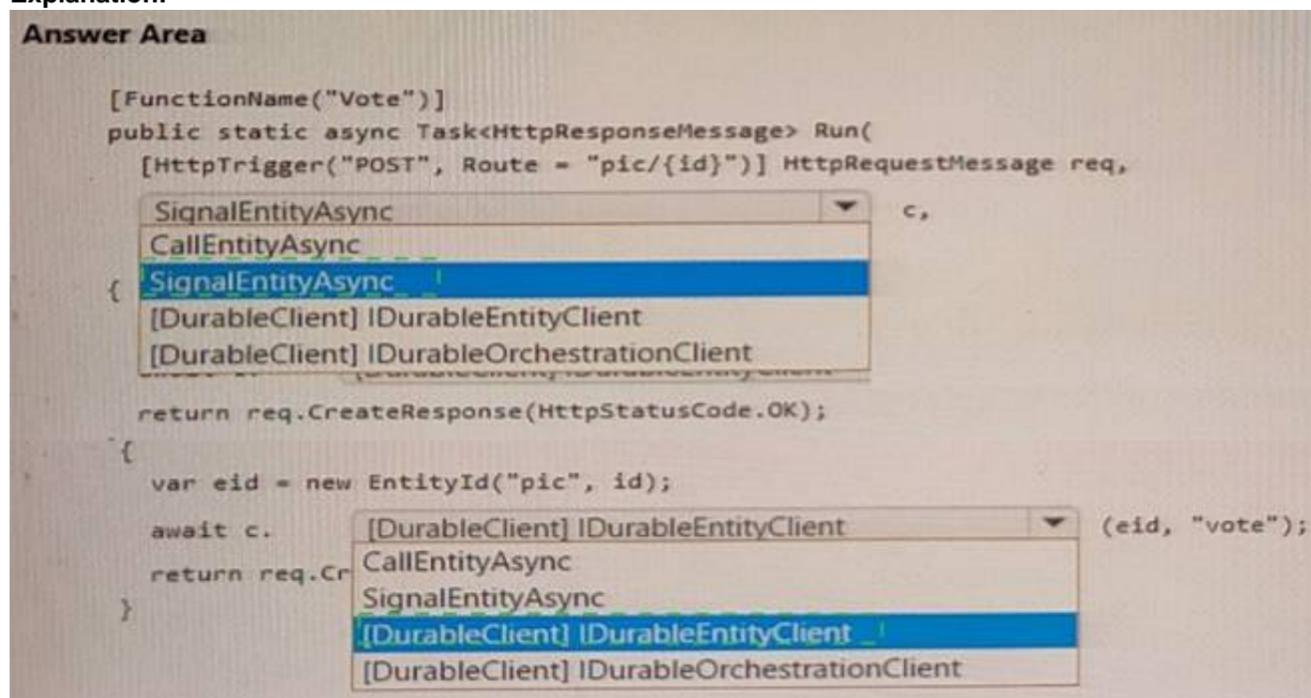
How should you complete the code? To answer, select the appropriate options in the answer area.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 60

- (Topic 8)

You develop and deploy a web app to Azure App Service. The Azure App Service uses a Basic plan in a region.

Users report that the web app is responding must capture the complete call stack to help performance issues in code. Call stack data must be correlated across app instances. You must minimize cost and impact to users on the web app.

You need to capture the telemetry.

Which three actions should you perform? Each answer presents part Of the solution NOTE: Each correct selection is worth point

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

Answer: CDF

NEW QUESTION 65

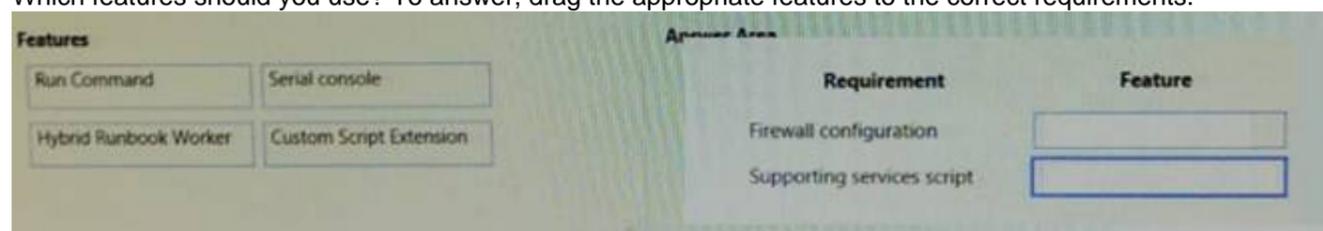
DRAG DROP - (Topic 8)

You are preparing to deploy an Azure virtual machine (VM) based application. The VMs that run the application have the following requirements:

- When a VM is provisioned the firewall must be automatically configured before it can access Azure resources.
- Supporting services must be installed by using an Azure PowerShell script that is stored in Azure Storage

You need to ensure that the requirements are met.

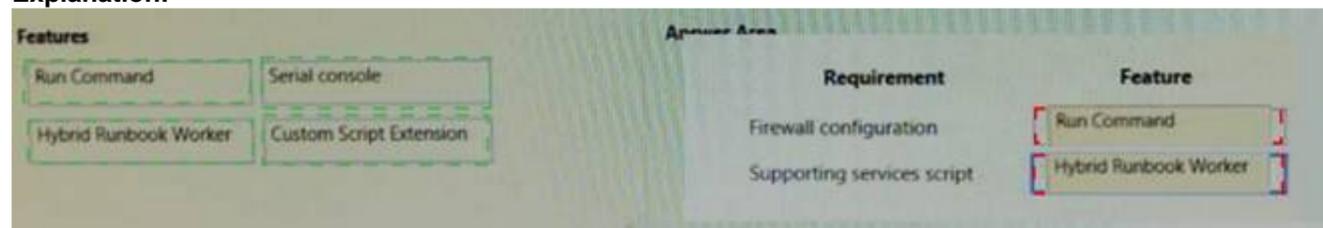
Which features should you use? To answer, drag the appropriate features to the correct requirements.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 70

- (Topic 8)

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

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

NOTE: Each correct selection is worth one point.

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

Answer: CD

NEW QUESTION 75

- (Topic 8)

You are developing an application that allows users to find musicians that are looking for work. The application must store information about musicians, the instruments that they play, and other related data.

The application must also allow users to determine which musicians have played together, including groups of three or more musicians that have performed together at a specific location.

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

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

Answer: B

NEW QUESTION 79

- (Topic 8)

You provide an Azure API Management managed web service to clients. The back end web service implements HTTP Strict Transport Security (HSTS).

Every request to the backend service must include a valid HTTP authorization header. You need to configure the Azure API Management instance with an authentication policy. Which two policies can you use? Each correct answer presents a complete solution NOTE: Each correct selection is worth one point.

- A. Certificate Authentication
- B. Basic Authentication
- C. OAuth Client Credential Grant
- D. Digest Authentication

Answer: AB

NEW QUESTION 81

- (Topic 8)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the

stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution. After you answer a question in this question, you will NOT be able to return to it. As a result, these questions will not appear in the review screen. Margie's Travel is an international travel and bookings management service. The company is expanding into restaurant bookings. You are tasked with implementing Azure Search for the restaurants listed in their solution. You create the index in Azure Search. You need to import the restaurant data into the Azure Search service by using the Azure Search .NET SDK.

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

- A. Yes
- B. No

Answer: B

Explanation:

Use the following method:

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

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

NEW QUESTION 86

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 90

DRAG DROP - (Topic 8)

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

You need to create sample code that customers can use as a reference for how to send raw notifications to Windows Push Notification Services (WNS) devices. The sample code must not use external packages.

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

NOTE:Each correct selection is worth one point.

Code segments

-
-
-
-
-
-

Answer Area

```
var endpoint = "...";
var payload = "...";
var request = new HttpRequestMessage(HttpMethod.Post, endpoint);
request.Headers.Add("X-WNS-Type", "wns/raw");
request.Headers.Add("ServiceBusNotification-Format", "Code segment");
request.Content = new StringContent(payload, Encoding.UTF8, "Code segment");
var client = new HttpClient();
await client.SendAsync(request);
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: windows Example code:

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

Box 2: application/octet-stream

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

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

NEW QUESTION 94

- (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 99

- (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 store
- E. Set the refreshAll parameter of the Register method to false.
- F. Create and register a sentinel key in the App Configuration store
- 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 101

- (Topic 8)

You deploy an API to API Management

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

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

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

Answer: BC

NEW QUESTION 106

HOTSPOT - (Topic 8)

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

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

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

NOTE: Each correct selection is worth one point.

Component	Security Feature
Application (Client)	<div style="border: 1px solid black; padding: 5px;"> <div style="border-bottom: 1px solid black; display: flex; justify-content: flex-end; align-items: center;">▼</div> <div style="padding: 2px 5px;">Storage Account Access Key</div> <div style="padding: 2px 5px;">System-assigned Managed Identity</div> <div style="padding: 2px 5px;">Shared access signature (SAS) token</div> </div>
Azure Storage (Server)	<div style="border: 1px solid black; padding: 5px;"> <div style="border-bottom: 1px solid black; display: flex; justify-content: flex-end; align-items: center;">▼</div> <div style="padding: 2px 5px;">Stored Access Policy</div> <div style="padding: 2px 5px;">User-assigned Managed Identity</div> <div style="padding: 2px 5px;">Cross-Origin Resource Sharing (CORS)</div> </div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Shared access signature (SAS) token

When your application design requires shared access signatures for access to Blob storage, use Azure AD credentials to create a user delegation SAS when possible for superior security.

Box 2: Stored access policy

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

A shared access signature can take one of the following two forms:

- ? Service SAS with stored access policy. A stored access policy is defined on a resource container, which can be a blob container, table, queue, or file share. The stored access policy can be used to manage constraints for one or more service shared access signatures. When you associate a service SAS with a stored access policy, the SAS inherits the constraints – the start time, expiry time, and permissions – defined for the stored access policy.
- ? Ad hoc SAS.

NEW QUESTION 110

HOTSPOT - (Topic 8)

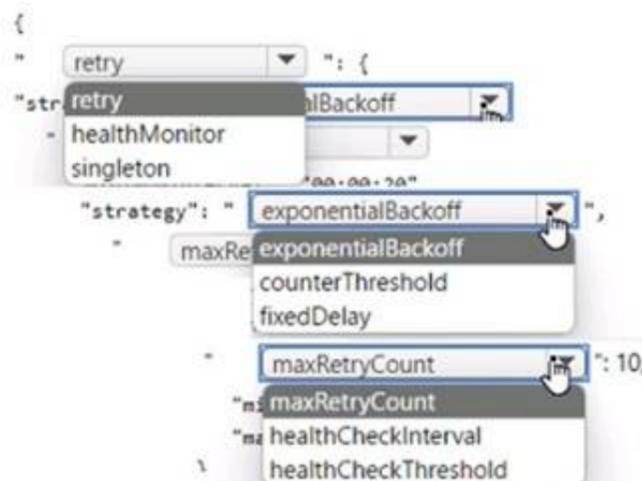
All functions in the app meet the following requirements:

- Run until either a successful run or until 10 run attempts occur.
- Ensure that there are at least 20 seconds between attempts for up to 15 minutes. You need to configure the hostjson file.

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

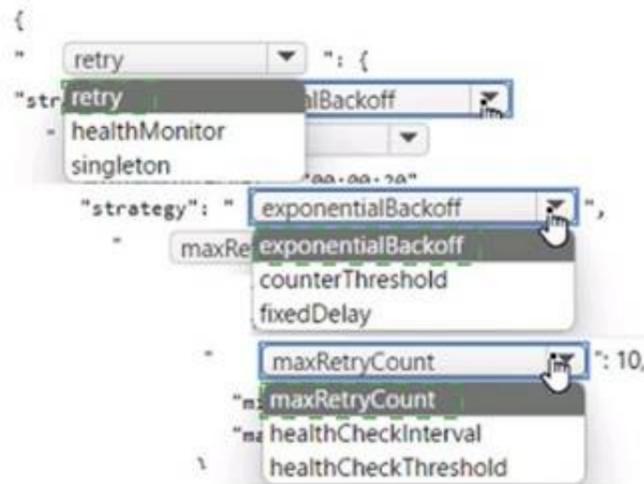


- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area



NEW QUESTION 111

HOTSPOT - (Topic 8)

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

```

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

```

Answer Area

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

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

NEW QUESTION 116

HOTSPOT - (Topic 8)

You are configuring a development environment for your team. You deploy the latest Visual Studio image from the Azure Marketplace to your Azure subscription. The development environment requires several software development kits (SDKs) and third-party components to support application development across the organization. You install and customize the deployed virtual machine (VM) for your development team. The customized VM must be saved to allow provisioning of a new team member development environment.

You need to save the customized VM for future provisioning.

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

NOTE: Each correct selection is worth one point.

Answer Area

Action	Tool or service
Generalize the VM.	<ul style="list-style-type: none"> Azure PowerShell Visual Studio command prompt Azure Migrate Azure Backup
Store images.	<ul style="list-style-type: none"> Azure Blob Storage Azure Data Lake Storage Azure File Storage Azure Table Storage

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Azure Powershell

Creating an image directly from the VM ensures that the image includes all of the disks associated with the VM, including the OS disk and any data disks.

Before you begin, make sure that you have the latest version of the Azure PowerShell module.

You use Sysprep to generalize the virtual machine, then use Azure PowerShell to create the image.

Box 2: Azure Blob Storage References:

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/capture-image-resource#create-an-image-of-a-vm-using-powershell>

NEW QUESTION 119

- (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/azuresql/new-azuresql-database-datamaskingrule?view=azuresqlps-6.13.0>

NEW QUESTION 120

- (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: Add the web applications to Docker containers. Deploy the containers. Deploy the containers to Azure Kubernetes Service (AKS).

Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Instead use Azure Cache for Redis.

Note: Azure Cache for Redis provides a session state provider that you can use to store your session state in-memory with Azure Cache for Redis instead of a SQL Server database. To use the caching session state provider, first configure your cache, and then configure your ASP.NET application for cache using the Azure Cache for Redis Session State NuGet package.

References:

<https://docs.microsoft.com/en-us/azure/azure-cache-for-redis/cache-aspnet-session-state-provider>

NEW QUESTION 122

- (Topic 8)

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

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

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

NOTE:Each correct selection is worth one point.

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

Answer: AC

Explanation:

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

Reference:

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

NEW QUESTION 123

DRAG DROP - (Topic 8)

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

You develop the following code:

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

You define a role named SysAdmin.

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

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

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

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

NOTE:Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1:
 Allow the ProviderAdmin and SysAdmin roles access to the Partner controller regardless of whether the user holds an editor claim of partner.
 Box 2:
 Limit access to the Manage action of the controller to users with an editor claim of partner who are also members of the SysAdmin role.

NEW QUESTION 124

- (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 129

- (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

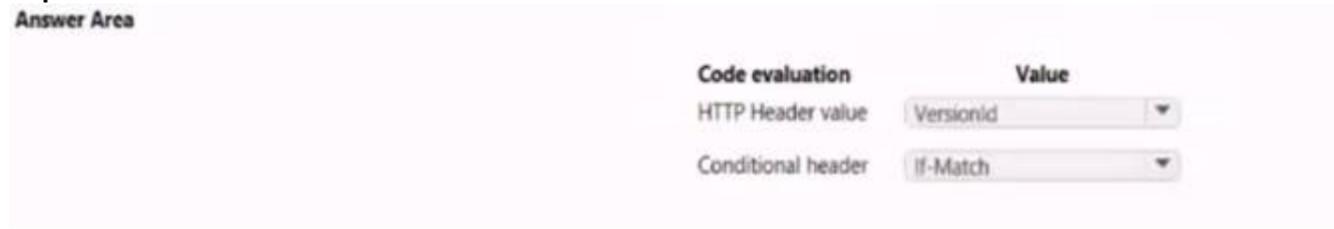
NEW QUESTION 130

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 BlockBlobStorage 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 storages.....
 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 133

- (Topic 8)
 You are creating an app that will use CosmosDB for data storage. The app will process batches of relational data.
 You need to select an API for the app. Which API should you use?

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

D. Cassandra API

Answer: C

Explanation:

For relational data you will need the SQL API

Reference:

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

NEW QUESTION 137

- (Topic 8)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals.

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

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

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

Does the solution meet the goal?

A. Yes

B. No

Answer: B

Explanation:

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

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

NEW QUESTION 142

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 146

- (Topic 8)

You are developing several microservices to deploy to a Azure Service cluster. The microservices manage data stored in Azure Cosmos DB and Azure Blob storage. The data is secured by using customer-managed keys stored in Aue Key Vault.

You must automate key rotation for all Key Vault keys and allow for manual key rotation. Keys must rotate every three months. Notifications Of expiring keys must be sent before key expiry.

You need to configure key rotation and enable key expiry notifications.

Which two actions should you perform? Each correct answer presents part Of solution. NOTE: Each correct selection is worth

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

Answer: BD

Explanation:

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

NEW QUESTION 150

HOTSPOT - (Topic 8)

You need to implement the Azure Function for delivery driver profile information.

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

NOTE: Each correct selection is worth one point.

Answer Area

Configuration	Value
Code library	<div style="border: 1px solid #ccc; padding: 5px;"> <div style="text-align: right; border-bottom: 1px solid #ccc;">▼</div> <div style="padding: 5px;"> <p>Microsoft Authentication Library (MSAL)</p> <p>Microsoft Azure Key Vault SDK</p> <p>Azure Identity library</p> </div> </div>
API	<div style="border: 1px solid #ccc; padding: 5px;"> <div style="text-align: right; border-bottom: 1px solid #ccc;">▼</div> <div style="padding: 5px;"> <p>Microsoft Graph</p> <p>Azure Active Directory Graph</p> <p>Azure Key Vault</p> </div> </div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Code Library: MSAL API: Microsoft Graph

<https://docs.microsoft.com/en-us/azure/active-directory/develop/msal-overview>

NEW QUESTION 154

DRAG DROP - (Topic 8)

You develop and deploy several APIs to Azure API Management. You create the following policy fragment named APICounts:

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

The policy fragment must be reused across various scopes and APIs. The policy fragment must be applied to all APIs and run when a calling system invokes any API.

You need to implement the policy fragment.

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

NOTE: Each correct selection is worth one point.

XML elements	Answer Area
name	<div style="border: 1px solid #ccc; padding: 10px;"> <pre><policies> <[]> <[] []="APICounts" /> <base /> </[]> ... </policies></pre> </div>
inbound	
outbound	
set-variable	
fragment-id	
include-fragment	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 157

- (Topic 8)

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

After you answer a question in this 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 162

DRAG DROP - (Topic 8)

You are developing an application. You have an Azure user account that has access to two subscriptions.

You need to retrieve a storage account key secret from Azure Key Vault.

In which order should you arrange the PowerShell commands to develop the solution? To answer, move all commands from the list of commands to the answer area and arrange them in the correct order.

Powershell commands

Answer Area

```
$secretvalue = ConvertTo-SecureString
$storAcctkey -AsPlainText
-Force
Set-AzKeyVaultSecret -VaultName
$vaultName -Name $secretName
-SecretValue $secretvalue
```

```
Get-AzStorageAccountKey -
ResourceGroupName $resGroup -Name
$storAcct
```

```
Set-AzContext -SubscriptionId
$subscriptionID
```

```
Get-AzKeyVaultSecret -VaultName
$vaultName
```

```
Get-AzSubscription
```



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: Get-AzSubscription

If you have multiple subscriptions, you might have to specify the one that was used to create your key vault. Enter the following to see the subscriptions for your account: Get-AzSubscription

Step 2: Set-AzContext -SubscriptionId

To specify the subscription that's associated with the key vault you'll be logging, enter: Set-AzContext -SubscriptionId <subscriptionID>

Step 3: Get-AzStorageAccountKey You must get that storage account key.

Step 4: \$secretvalue = ConvertTo-SecureString <storageAccountKey> -AsPlainText -Force

Set-AzKeyVaultSecret -VaultName <vaultName> -Name <secretName> -SecretValue

\$secretvalue

After retrieving your secret (in this case, your storage account key), you must convert that key to a secure string, and then create a secret with that value in your key vault.

Step 5: Get-AzKeyVaultSecret

Next, get the URI for the secret you created. You'll need this URI in a later step to call the key vault and retrieve your secret. Run the following PowerShell command and make note of the ID value, which is the secret's URI:

```
Get-AzKeyVaultSecret -VaultName <vaultName>
```

NEW QUESTION 163

DRAG DROP - (Topic 8)

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

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

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

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

Azure CLI Commands	Answer Area
az group create	
az group update	
az webapp update	⬅
az webapp create	➡
az appservice plan create	⬆
	⬇

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

Step 1: az group create

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

Step 2: az appservice plan create

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

Step 3: az webapp create

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

References:

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

NEW QUESTION 168

DRAG DROP - (Topic 8)

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

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

- Support alternative input parameters.
- Remove formatting text from responses.
- Provide additional context to back-end services.

Which types of policies should you implement? To answer, drag the policy types to the correct scenarios. Each policy type may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content

NOTE: Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 169

HOTSPOT - (Topic 8)

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

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

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

NOTE:Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: No

ExpirationTime - The time that the message expires.

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

Box 2: Yes

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

Box 3: Yes

When there are multiple queue messages waiting, the queue trigger retrieves a batch of messages and invokes function instances concurrently to process them.

By default, the batch size is 16. When the number being processed gets down to 8, the runtime gets another batch and starts processing those messages. So the maximum number of concurrent messages being processed per function on one virtual machine (VM) is 24.

Box 4: Yes References:

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

NEW QUESTION 173

- (Topic 8)

You are developing a web app that is protected by Azure Web Application Firewall (WAF). All traffic to the web app is routed through an Azure Application Gateway instance that is used by multiple web apps. The web app address is contoso.azurewebsites.net.

All traffic must be secured with SSL. The Azure Application Gateway instance is used by multiple web apps.

You need to configure the Azure Application Gateway for the app.

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

- A. In the Azure Application Gateway's HTTP setting, enable the Use for App service setting.
- B. Convert the web app to run in an Azure App service environment (ASE).
- C. Add an authentication certificate for contoso.azurewebsites.net to the Azure Application gateway.
- D. In the Azure Application Gateway's HTTP setting, set the value of the Override backend path option to contoso22.azurewebsites.net.

Answer: AD

Explanation:

D: The ability to specify a host override is defined in the HTTP settings and can be applied to any back-end pool during rule creation. The ability to derive the host name from the IP or FQDN of the back-end pool members. HTTP settings also provide an option to dynamically pick the host name from a back-end pool member's FQDN if configured with the option to derive host name from an individual back-end pool member.

A (not C): SSL termination and end to end SSL with multi-tenant services. In case of end to end SSL, trusted Azure services such as Azure App service web apps do not require whitelisting the backends in the application gateway. Therefore, there is no need to add any authentication certificates.

Reference:
<https://docs.microsoft.com/en-us/azure/application-gateway/application-gateway-web-app- overview>

NEW QUESTION 177

- (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 178

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	<div style="border: 1px solid black; padding: 2px;">▼</div> <div style="border: 1px solid black; padding: 2px;">2</div> <div style="border: 1px solid black; padding: 2px;">4</div> <div style="border: 1px solid black; padding: 2px;">8</div> <div style="border: 1px solid black; padding: 2px;">16</div>
Pricing tier	<div style="border: 1px solid black; padding: 2px;">▼</div> <div style="border: 1px solid black; padding: 2px;">Isolated</div> <div style="border: 1px solid black; padding: 2px;">Standard</div> <div style="border: 1px solid black; padding: 2px;">Premium</div> <div style="border: 1px solid black; padding: 2px;">Consumption</div>

- 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 183

- (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 in 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 186

HOTSPOT - (Topic 8)

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

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

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

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

NOTE: Each correct selection is worth one point.

Answer Area

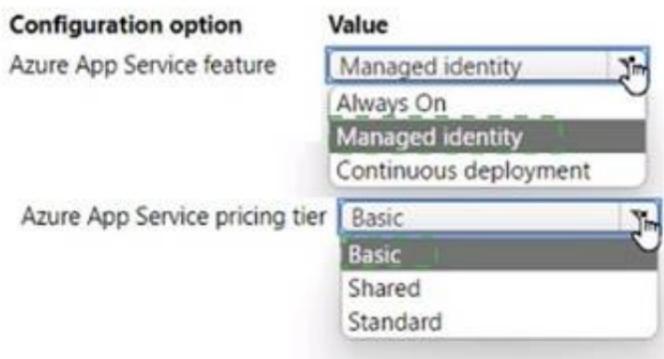
Configuration option	Value
Azure App Service feature	<div style="border: 1px solid black; padding: 2px;">Managed identity ▼</div> <div style="border: 1px solid black; padding: 2px;">Always On</div> <div style="border: 1px solid black; padding: 2px;">Managed identity</div> <div style="border: 1px solid black; padding: 2px;">Continuous deployment</div>
Azure App Service pricing tier	<div style="border: 1px solid black; padding: 2px;">Basic ▼</div> <div style="border: 1px solid black; padding: 2px;">Basic</div> <div style="border: 1px solid black; padding: 2px;">Shared</div> <div style="border: 1px solid black; padding: 2px;">Standard</div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area



NEW QUESTION 189

- (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.

Solution: Enable Application Request Routing (ARR). Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Instead deploy and configure Azure Cache for Redis. Update the web applications. Reference:
<https://docs.microsoft.com/en-us/azure/architecture/best-practices/caching#managing-concurrency-in-a-cache>

NEW QUESTION 190

HOTSPOT - (Topic 8)

You develop a news and blog content app for Windows devices. A notification must arrive on a user's device when there is a new article available for them to view. You need to implement push notifications.

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

NOTE:Each correct selection is worth one point.

Answer Area

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

A. Mastered

B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 193

HOTSPOT - (Topic 8)

You are using Azure Front Door Service.

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

You need to determine the root cause for the issue.

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

NOTE: Each correct selection is worth one point.

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

A. Mastered
 B. Not Mastered

Answer: A

Explanation:

```
Box 1: No
Front Door can dynamically compress content on the edge, resulting in a smaller and faster response to your clients. All files are eligible for compression.
However, a file must be of a MIME type that is eligible for compression list.
Box 2: No
Sometimes you may wish to purge cached content from all edge nodes and force them all to retrieve new updated assets. This might be due to updates to your
web application, or to quickly update assets that contain incorrect information.
Box 3: Yes
These profiles support the following compression encodings: Gzip (GNU zip), Brotli
```

NEW QUESTION 194

HOTSPOT - (Topic 8)

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

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

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

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

NOTE: Each correct selection is worth one point.

Answer Area

```

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

```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: iOS
 Azure AD Conditional Access supports the following device platforms:
 ? Android
 ? iOS
 ? Windows Phone
 ? Windows
 ? macOS

Box 2: DeliveryRuleIsDeviceConditionParameters
 The DeliveryRuleIsDeviceCondition defines the IsDevice condition for the delivery rule. parameters defines the parameters for the condition.

Box 3: HTTP_USER_AGENT

Box 4: DeliveryRuleRequestHeaderConditionParameters DeliveryRuleRequestHeaderCondition defines the RequestHeader condition for the delivery rule. parameters defines the parameters for the condition.

Box 5: iOS
 The Require approved client app requirement only supports the iOS and Android for device platform condition.

NEW QUESTION 195

- (Topic 8)

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

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

Answer: ABE

NEW QUESTION 200

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

Read a new batch of documents while keeping track of the failing batch of documents.

Handle errors in the change feed processor.

Feature

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Requirement

Read a new batch of documents while keeping track of the failing batch of documents.

Handle errors in the change feed processor.

Feature

NEW QUESTION 202

HOTSPOT - (Topic 8)

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

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

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

NOTE: Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

```

$H = $(az keyvault show --hsm-name ... --query "properties.hsmUri"
$X = az keyvault list-versions --name ""
--vault-name "" key
az storage account secret |
--name \ recover
--resource-group certificate
--resource-group \
--encryption-key-name \
--encryption-key-version $X \
--encryption-key-source
--encryption-key-vault $
Microsoft.Secret
Microsoft.Storage
Microsoft.Keyvault
Microsoft.Certificate
    
```

NEW QUESTION 203

- (Topic 8)

You develop a serverless application using several Azure Functions. These functions connect to data from within the code.

You want to configure tracing for an Azure Function App project. You need to change configuration settings in the hostjson file. Which tool should you use?

- A. Azure portal
- B. Azure PowerShell
- C. Azure Functions Core Tools (Azure CLI)
- D. Visual Studio

Answer: A

Explanation:

The function editor built into the Azure portal lets you update the function.json file and the code file for a function. The host.json file, which contains some runtime-specific configurations, is in the root folder of the function app.

References:

<https://docs.microsoft.com/en-us/azure/azure-functions/functions-reference#fileupdate>

NEW QUESTION 205

DRAG DROP - (Topic 8)

You are developing an application to securely transfer data between on-premises file systems and Azure Blob storage. The application stores keys, secrets, and certificates in Azure Key Vault. The application uses the Azure Key Vault APIs.

The application must allow recovery of an accidental deletion of the key vault or key vault objects. Key vault objects must be retained for 90 days after deletion.

You need to protect the key vault and key vault objects.

Which Azure Key Vault feature should you use? To answer, drag the appropriate features to the correct actions. Each feature may be used once, more than once, or not at all. You

may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Features	Answer Area						
Access policy							
Purge protection							
Soft delete							
Shared access signature							
	<table border="1"> <thead> <tr> <th>Action</th> <th>Feature</th> </tr> </thead> <tbody> <tr> <td>Enable retention period and accidental deletion.</td> <td>Feature</td> </tr> <tr> <td>Enforce retention period and accidental deletion.</td> <td>Feature</td> </tr> </tbody> </table>	Action	Feature	Enable retention period and accidental deletion.	Feature	Enforce retention period and accidental deletion.	Feature
Action	Feature						
Enable retention period and accidental deletion.	Feature						
Enforce retention period and accidental deletion.	Feature						

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Soft delete

When soft-delete is enabled, resources marked as deleted resources are retained for a specified period (90 days by default). The service further provides a mechanism for recovering the deleted object, essentially undoing the deletion.

Box 2: Purge protection

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

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

NEW QUESTION 207

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: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; margin-bottom: 2px;">▼</div> <div style="padding: 2px;"> Get-AzureRmRoleDefinition-Name "Reader" ConvertTo-Json Out-File C:\SupportRole.json Get-AzureRmRoleDefinition-Name "Operator" ConvertTo-Json Out-File C:\SupportRole.json Set-AzureRmRoleDefinition-Name "Reader" Input-File C:\SupportRole.json Set-AzureRmRoleDefinition Input-File C:\SupportRole.json </div> </div>
Actions section	<div style="border: 1px solid gray; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; margin-bottom: 2px;">▼</div> <div style="padding: 2px;"> */read*, *Microsoft.Support/* */read* /*, *Microsoft.Support/* /* </div> </div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

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

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

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

NEW QUESTION 209

- (Topic 8)

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

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

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

You plan to assign users one of the following permission levels for the website: admin,

normal, and reader. A user's Azure AD group membership must be used to determine the permission level. You need to configure authorization.

Solution: Configure the Azure Web App for the website to allow only authenticated requests and require Azure AD log on.

Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Instead in the Azure AD application's manifest, set value of the groupMembershipClaims option to All.

References:

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

NEW QUESTION 214

HOTSPOT - (Topic 8)

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

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

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

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

NOTE:Each correct selection is worth one point.

Authentication	Option
Registry authentication method	<div style="border: 1px solid gray; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; margin-bottom: 2px;">▼</div> <div style="padding: 2px;"> Service principal Individual identity Repository-scoped access token Managed identity for Azure resources </div> </div>
RBAC role	<div style="border: 1px solid gray; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; margin-bottom: 2px;">▼</div> <div style="padding: 2px;"> AcrPull Owner AcrPush Contributor </div> </div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Service principal

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

Box 2: AcrPush

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

NEW QUESTION 216

- (Topic 8)

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

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

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

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

Answer: C

NEW QUESTION 219

- (Topic 8)

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

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

Answer: C

Explanation:

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

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

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

NEW QUESTION 221

- (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 225

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 230

- (Topic 8)

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

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

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

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

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

- A. Yes
- B. No

Answer: B

Explanation:

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

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

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

</system.webServer>

Reference:

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

NEW QUESTION 233

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 238

- (Topic 8)

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

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

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

The solution must allow dynamic creation and management of all Azure resources within the AKS cluster.

You need to configure an AKS cluster for use with the Azure APIs.

Solution: Create an AKS cluster that supports network policy. Create and apply a network to allow traffic only from within a defined namespace.

Does the solution meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

When you run modern, microservices-based applications in Kubernetes, you often want to control which components can communicate with each other. The principle of least privilege should be applied to how traffic can flow between pods in an Azure Kubernetes Service (AKS) cluster. Let's say you likely want to block traffic directly to back-end applications. The Network Policy feature in Kubernetes lets you define rules for ingress and egress traffic between pods in a cluster.

References:

<https://docs.microsoft.com/en-us/azure/aks/use-network-policies>

NEW QUESTION 240

- (Topic 8)

You have an existing Azure storage account that stores large volumes of data across multiple containers.

You need to copy all data from the existing storage account to a new storage account. The copy process must meet the following requirements:

- ? Automate data movement.
- ? Minimize user input required to perform the operation.
- ? Ensure that the data movement process is recoverable.

What should you use?

- A. AzCopy
- B. Azure Storage Explorer
- C. Azure portal
- D. .NET Storage Client Library

Answer: A

Explanation:

You can copy blobs, directories, and containers between storage accounts by using the AzCopy v10 command-line utility.

The copy operation is synchronous so when the command returns, that indicates that all files have been copied.

Reference:

<https://docs.microsoft.com/en-us/azure/storage/common/storage-use-azcopy-blobs-copy>

NEW QUESTION 242

- (Topic 8)

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

You must inspect request processing of the APIs in APIM. Requests to APIM by using a REST client must also be included. The request inspection must include the following information:

- requests APIM sent to the API backend and the response it received
- policies applied to the response before sending back to the caller
- errors that occurred during the processing of the request and the policies applied to the errors
- original request APIM received from the caller and the policies applied to the request

You need to inspect the APIs. Which three actions should you do? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. Enable the Allow tracing setting for the subscription used to inspect the API.
- B. Add the Ocp-Apim-Trace header value to the API call with a value set to true
- C. Add the Ocp-Apim-Subscription-Key header value to the key for a subscription that allows access to the API.
- D. Create and configure a custom polic
- E. Apply the policy to the outbound policy section with an API scope.
- F. Create and configure a custom polic
- G. Apply the policy to the inbound policy section with a global scope.

Answer: ABC

Explanation:

The correct answer is A, B, and C. To inspect request processing of the APIs in APIM, you need to do the following three actions:

? Enable the Allow tracing setting for the subscription used to inspect the API. This setting allows you to trace request processing in APIM using the test console, a REST client, or a client app. You can enable this setting in the portal by selecting Subscriptions and then selecting the subscription you want to use for debugging¹.

? Add the Ocp-Apim-Trace header value to the API call with a value set to true. This header triggers tracing when making requests to APIM using a REST client or a client app. You also need to add the Ocp-Apim-Subscription-Key header value to the key for a subscription that allows access to the API¹.

? Add the Ocp-Apim-Subscription-Key header value to the key for a subscription that allows access to the API. This header authenticates your request and grants you access to the API. You can find the key for your subscription in the portal by selecting Subscriptions and then selecting Show/hide keys¹.

You do not need to create and configure a custom policy for tracing request processing. The trace policy is used to add a custom trace into the request tracing output, Application Insights telemetries, and/or resource logs². It is not required for inspecting the APIs.

NEW QUESTION 244

HOTSPOT - (Topic 8)

A company is developing a Node.js web app. The web app code is hosted in a GitHub repository located at <https://github.com/TailSpinToys/weapp>.

The web app must be reviewed before it is moved to production. You must deploy the initial code release to a deployment slot named review. You need to create the web app and deploy the code.

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

NOTE: Each correct selection is worth one point.

```
$gitrepo="https://github.com/TailSpinToys/webapp"
$webappname="TailSpinToysWeb"
$location="WestUS2"

New-AzWebAppSlot -Name myResourceGroup -Location $location
New-AzWebApp
New-AzAppServicePlan
New-AzResourceGroup

New-AzWebAppSlot -Name $webappname -Location $location -ResourceGroupName myResourceGroup -Tier Standard
New-AzWebApp
New-AzAppServicePlan
New-AzResourceGroup

New-AzWebAppSlot -Name $webappname -Location $location -AppServicePlan $webappname -ResourceGroupName myResourceGroup
New-AzWebApp
New-AzAppServicePlan
New-AzResourceGroup

New-AzWebAppSlot -Name $webappname -ResourceGroupName myResourceGroup -Slot review
New-AzWebApp
New-AzAppServicePlan
New-AzResourceGroup

$PropertiesObject = @(repoUrl = "$gitrepo";branch = "master");
Set-AzResource -PropertyObject $PropertiesObject -ResourceGroupName myResourceGroup -ResourceType
Microsoft.Web/sites/slots/sourcecontrols -ResourceName $webappname/review/web -ApiVersion 2015-08-01 -Force
Switch-AzWebAppSlot -Name $webappname -ResourceGroupName myResourceGroup `
-SourceSlotName review -DestinationSlotName production
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

The New-AzResourceGroup cmdlet creates an Azure resource group.
 The New-AzAppServicePlan cmdlet creates an Azure App Service plan in a given location The New-AzWebApp cmdlet creates an Azure Web App in a given a resource group
 The New-AzWebAppSlot cmdlet creates an Azure Web App slot.

References:

- <https://docs.microsoft.com/en-us/powershell/module/az.resources/new-azresourcegroup?view=azps-2.3.2>
- <https://docs.microsoft.com/en-us/powershell/module/az.websites/new-azappserviceplan?view=azps-2.3.2>
- <https://docs.microsoft.com/en-us/powershell/module/az.websites/new-azwebapp?view=azps-2.3.2>
- <https://docs.microsoft.com/en-us/powershell/module/az.websites/new-azwebappslot?view=azps-2.3.2>

NEW QUESTION 248

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" value="Basic"/> <ul style="list-style-type: none"> Basic Standard Premium
Access control (IAM) level	<input type="text" value="Contributor"/> <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 252

- (Topic 8)

You are preparing to deploy an ASP.NET Core website to an Azure Web App from a GitHub repository. The website includes static content generated by a script. You plan to use the Azure Web App continuous deployment feature.

You need to run the static generation script before the website starts serving traffic. What are two possible ways to achieve this goal? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Create a file named .deployment in the root of the repository that calls a script which generates the static content and deploys the website.
- B. Add a PreBuild target in the websites csproj project file that runs the static content generation script.
- C. Create a file named run.cmd in the folder /run that calls a script which generates the static content and deploys the website.
- D. Add the path to the static content generation tool to WEBSITE_RUN_FROM_PACKAGE setting in the host.json file.

Answer: AD

Explanation:

A: To customize your deployment, include a .deployment file in the repository root.

You just need to add a file to the root of your repository with the name .deployment and the content:

```
[config]
command = YOUR COMMAND TO RUN FOR DEPLOYMENT
```

this command can be just running a script (batch file) that has all that is required for your deployment, like copying files from the repository to the web root directory for example.

D: In Azure, you can run your functions directly from a deployment package file in your function app. The other option is to deploy your files in the d:\home\site\wwwroot directory of your function app (see A above).

To enable your function app to run from a package, you just add a WEBSITE_RUN_FROM_PACKAGE setting to your function app settings.

Note: The host.json metadata file contains global configuration options that affect all functions for a function app.

References:

<https://github.com/projectkudu/kudu/wiki/Custom-Deployment-Script>

<https://docs.microsoft.com/bs-latn-ba/azure/azure-functions/run-functions-from-deployment-package>

NEW QUESTION 254

HOTSPOT - (Topic 8)

An organization deploys a Mob storage account. Users take multiple snapshots of the blob storage account over time.

You need to delete all snapshots or the blob storage account. You must not delete the blob storage account itself.

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

```
delete_blob (  ,  )
```

The first dropdown menu contains the following options: delete_container, delete_snapshots, snapshot_blob, snapshots_present.

The second dropdown menu contains the following options: False, Include, Only.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area



NEW QUESTION 259

- (Topic 8)

You are developing a software solution for an autonomous transportation system. The solution uses large data sets and Azure Batch processing to simulate navigation sets for entire fleets of vehicles.

You need to create compute nodes for the solution on Azure Batch. What should you do?

- A. In the Azure portal, create a Batch account.
- B. In a .NET method, call the method:BatchClient.PoolOperations.CreatePool
- C. In Python, implement the class:JobAddParameter
- D. In Python, implement the class:TaskAddParameter

Answer: B

Explanation:

A Batch job is a logical grouping of one or more tasks. A job includes settings common to the tasks, such as priority and the pool to run tasks on. The app uses the BatchClient.JobOperations.CreateJob method to create a job on your pool.

NEW QUESTION 260

- (Topic 8)

You are developing applications for a company. You plan to host the applications on Azure App Services.

The company has the following requirements:

- ? Every five minutes verify that the websites are responsive.
- ? Verify that the websites respond within a specified time threshold. Dependent requests such as images and JavaScript files must load properly.
- ? Generate alerts if a website is experiencing issues.
- ? If a website fails to load, the system must attempt to reload the site three more times.

You need to implement this process with the least amount of effort. What should you do?

D18912E1457D5D1DCCBD40AB3BF70D5D

- A. Create a Selenium web test and configure it to run from your workstation as a scheduled task.
- B. Set up a URL ping test to query the home page.
- C. Create an Azure function to query the home page.
- D. Create a multi-step web test to query the home page.
- E. Create a Custom Track Availability Test to query the home page.

Answer: D

Explanation:

You can monitor a recorded sequence of URLs and interactions with a website via multi- step web tests.

Reference:

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

NEW QUESTION 265

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 266

- (Topic 8)

You are creating an Azure key vault using PowerShell. Objects deleted from the key vault must be kept for a set period of 90 days. Which two of the following parameters must be used in conjunction to meet the requirement? (Choose two.)

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

Answer: BD

NEW QUESTION 271

HOTSPOT - (Topic 8)

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

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

NOTE: Each correct selection is worth one point.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: config

To Configure logging for a web app use the command: az webapp log config

Box 2: --docker-container-logging Syntax include:

az webapp log config [--docker-container-logging {filesystem, off}]

Box 3: webapp

To download a web app's log history as a zip file use the command: az webapp log download

Box 4: download References:

<https://docs.microsoft.com/en-us/cli/azure/webapp/log>

NEW QUESTION 274

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

▼

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 276

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 AppFeatureFlagStore that contains a feature flag named Export.

You need to update the app to meet the following requirements:

- ? Use the Export feature in the app without requiring a restart of the app.
- ? Validate users before users are allowed access to secure resources.
- ? Permit users to access secure resources.

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 void Configure(IApplicationBuilder app, IWebHostEnvironment env)
{
    if (env.IsDevelopment())
    {
        app.UseDeveloperExceptionPage();
    }
    else
    {
        app.UseExceptionHandler("/Error");
    }
    app. [dropdown] ();
    app. [dropdown] ();
    app. [dropdown] ();
    app.UseEndpoints(endpoints =>
    {
        endpoints.MapRazorPages();
    });
}
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: UseAuthentication

Need to validate users before users are allowed access to secure resources.

UseAuthentication adds the AuthenticationMiddleware to the specified IApplicationBuilder, which enables authentication capabilities.

Box 2: UseAuthorization

Need to permit users to access secure resources.

UseAuthorization adds the AuthorizationMiddleware to the specified IApplicationBuilder, which enables authorization capabilities.

Box 3: UseStaticFiles

Need to use the Export feature in the app without requiring a restart of the app. UseStaticFiles enables static file serving for the current request path

NEW QUESTION 277

DRAG DROP - (Topic 8)

You are creating a script that will run a large workload on an Azure Batch pool. Resources will be reused and do not need to be cleaned up after use.

You have the following parameters:

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

You need to write an Azure CLI script that will create the jobs, tasks, and the pool.

In which order should you arrange the commands to develop the solution? To answer, move the appropriate commands from the list of command segments to the answer area and arrange them in the correct order.

Command segments	Answer Area
<pre>az batch pool create --id mypool --vm-size Standard_A1_v2 --target-dedicated-nodes 2 --image \$image --node-agent-sku-id \$sku</pre>	
<pre>az batch job create --id myjob --pool-id mypool</pre>	⬅
<pre>for i in {1..\$numberOfJobs} do</pre>	➡
<pre>az batch task create --task-id mytask\$i --job-id myjob --command-line \$script</pre>	⬆

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: az batch pool create
 # Create a new Linux pool with a virtual machine configuration. az batch pool create \
 --id mypool \
 --vm-size Standard_A1 \
 --target-dedicated 2 \
 --image canonical:ubuntu:16.04-LTS \
 --node-agent-sku-id "batch.node.ubuntu 16.04"
 Step 2: az batch job create
 # Create a new job to encapsulate the tasks that are added. az batch job create \
 --id myjob \
 --pool-id mypool
 Step 3: az batch task create
 # Add tasks to the job. Here the task is a basic shell command. az batch task create \
 --job-id myjob \
 --task-id task1 \
 --command-line "/bin/bash -c 'printenv AZ_BATCH_TASK_WORKING_DIR'"
 Step 4: for i in {1..\$numberOfJobs} do
 References:
<https://docs.microsoft.com/bs-latn-ba/azure/batch/scripts/batch-cli-sample-run-job>

NEW QUESTION 281

- (Topic 8)
 You develop a solution that uses an Azure SQL Database to store user information for a mobile app. The app stores sensitive information about users. You need to hide sensitive information from developers that query the data for the mobile app. Which three items must you identify when configuring dynamic data masking? Each correct answer presents a part of the solution.
 NOTE: Each correct selection is worth one point.

- A. Column
- B. Table
- C. Trigger
- D. Index
- E. Schema

Answer: ABE

Explanation:

In the Dynamic Data Masking configuration page, you may see some database columns that the recommendations engine has flagged for masking. In order to accept the recommendations, just click Add Mask for one or more columns and a mask is created based on the default type for this column. You can change the masking function by clicking on the masking rule and editing the masking field format to a different format of your choice.

Dynamic Data Masking
demo_database

Save Discard Add Mask

Downlevel clients require the use of Security Enabled Connection Strings.

Masking Rules

MASK NAME	MASK FUNCTION
You haven't created any masking rules.	

SQL users excluded from masking (administrators are always excluded) ⓘ

SQL users excluded from masking (administrators are always excluded) ✓

Recommended fields to mask

SCHEMA	TABLE	COLUMN	ADD MASK
SalesLT	Customer	FirstName	ADD MASK
SalesLT	Customer	LastName	ADD MASK
SalesLT	Customer	EmailAddress	ADD MASK
SalesLT	Customer	Phone	ADD MASK
SalesLT	CustomerAddress	AddressID	ADD MASK

References:

<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-dynamic-data-masking-get-started-portal>

NEW QUESTION 284

- (Topic 8)

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

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

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

The solution must allow dynamic creation and management of all Azure resources within the AKS cluster.

You need to configure an AKS cluster for use with the Azure APIs.

Solution: Enable the Azure Policy Add-on for Kubernetes to connect the Azure Policy service to the GateKeeper admission controller for the AKS cluster. Apply a built-in policy to the cluster.

Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Instead create an AKS cluster that supports network policy. Create and apply a network to allow traffic only from within a defined namespace

References:

<https://docs.microsoft.com/en-us/azure/aks/use-network-policies>

NEW QUESTION 288

HOTSPOT - (Topic 8)

You are developing a content management application for technical manuals. The application is deployed as an Azure Static Web app.

Authenticated users can view pages under /manuals but only contributors can access the page /manuals/new.html.

You need to configure the routing for the web app.
 How should you complete the configuration? To answer, select the appropriate options in the answer area.
 NOTE: Each correct selection is worth one point.

Answer Area

```

"routes": [
  {
    "route": "/manuals/new.html",
    "allowedRoles": [
      contributors
      /manuals*
      authenticated
      /manuals/new.html
      /manuals*
    ]
  }
]
    
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

```

"routes": [
  {
    "route": "/manuals/new.html",
    "allowedRoles": [
      contributors
      /manuals*
      authenticated
      /manuals/new.html
      /manuals*
    ]
  }
]
    
```

NEW QUESTION 291

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