

Microsoft

Exam Questions AZ-204

Developing Solutions for Microsoft Azure



NEW QUESTION 1

- (Topic 8)

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

Require a subscription key to access all APIs.

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

What should you do? OB.

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

Answer: B

NEW QUESTION 2

- (Topic 8)

You develop and deploy a web application to Azure App Service. The application accesses data stored in an Azure Storage account. The account contains several containers with several blobs with large amounts of data. You deploy all Azure resources to a single region.

You need to move the Azure Storage account to the new region. You must copy all data to the new region.

What should you do first?

- A. Export the Azure Storage account Azure Resource Manager template
- B. Initiate a storage account failover
- C. Configure object replication for all blobs
- D. Use the AzCopy command line tool
- E. Create a new Azure Storage account in the current region
- F. Create a new subscription in the current region

Answer: A

Explanation:

To move a storage account, create a copy of your storage account in another region. Then, move your data to that account by using AzCopy, or another tool of your choice and finally, delete the resources in the source region.

To get started, export, and then modify a Resource Manager template.

Reference:

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

NEW QUESTION 3

- (Topic 8)

You are developing an Azure Durable Function to manage an online ordering process. The process must call an external API to gather product discount information.

You need to implement Azure Durable Function.

Which Azure Durable Function types should you use? Each correct answer presents part of the solution

NOTE: Each correct selection is worth ore point

- A. Orchestrator
- B. Entity
- C. Activity
- D. Client

Answer: AB

Explanation:

<https://learn.microsoft.com/en-us/azure/azure-functions/durable/durable-functions-types-features-overview>

NEW QUESTION 4

- (Topic 8)

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

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

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

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

Solution: Update the functionTimeout property of the host.json project file to 10 minutes. Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

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

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

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

HTTP trigger payload into a queue to be processed by a queue trigger function. This approach lets you defer the actual work and return an immediate response.
Reference:
<https://docs.microsoft.com/en-us/azure/azure-functions/functions-best-practices>

NEW QUESTION 5

- (Topic 8)
An organization hosts web apps in Azure. The organization uses Azure Monitor You discover that configuration changes were made to some of the web apps. You need to identify the configuration changes. Which Azure Monitor log should you review?

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

Answer: C

NEW QUESTION 6

HOTSPOT - (Topic 8)
You provisioned an Azure Cosmos DB for NoSQL account named account1 with the default consistency level. You plan to configure the consistency level on a per request basis The level needs to be set for consistent prefix for read and write operations to account1. You need to identify the resulting consistency level for read and write operations. Which levels should you configure? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

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

NEW QUESTION 7

DRAG DROP - (Topic 8)
Contoso, Ltd. provides an API to customers by using Azure API Management (APIM). The API authorizes users with a JWT token. You must implement response caching for the APIM gateway. The caching mechanism must detect the user ID of the client that accesses data for a given location and cache the response for that user ID. You need to add the following policies to the policies file:

- a set-variable policy to store the detected user identity
- a cache-lookup-value policy

- a cache-store-value policy
 - a find-and-replace policy to update the response body with the user profile information
- To which policy section should you add the policies? To answer, drag the appropriate sections to the correct policies. Each section may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content
- NOTE: Each correct selection is worth one point

Policy section	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 8

- (Topic 8)

You are developing an ASP.NET Core website that uses Azure FrontDoor. The website is used to build custom weather data sets for researchers. Data sets are downloaded by users as Comma Separated Value (CSV) files. The data is refreshed every 10 hours.

Specific files must be purged from the FrontDoor cache based upon Response Header values.

You need to purge individual assets from the Front Door cache. Which type of cache purge should you use?

- A. single path
B. wildcard
C. root domain

Answer: A

Explanation:

These formats are supported in the lists of paths to purge:

? Single path purge: Purge individual assets by specifying the full path of the asset (without the protocol and domain), with the file extension, for example,

/pictures/strasbourg.png;

? Wildcard purge: Asterisk (*) may be used as a wildcard. Purge all folders, subfolders, and files under an endpoint with /* in the path or purge all subfolders and files under a specific folder by specifying the folder followed by /*, for example,

/pictures/*.

? Root domain purge: Purge the root of the endpoint with "/" in the path.

Reference:

<https://docs.microsoft.com/en-us/azure/frontdoor/front-door-caching>

NEW QUESTION 9

- (Topic 8)

You develop Azure solutions.

You must connect to a No-SQL globally-distributed database by using the .NET API. You need to create an object to configure and execute requests in the

database. Which code segment should you use?

- A. new Container(EndpointUri, PrimaryKey);
- B. new Database(Endpoint, PrimaryKey);
- C. new CosmosClient(EndpointUri, PrimaryKey);

Answer: C

Explanation:

Example:
// Create a new instance of the Cosmos Client
this.cosmosClient = new CosmosClient(EndpointUri, PrimaryKey)
//ADD THIS PART TO YOUR CODE
await this.CreateDatabaseAsync();
Reference:
<https://docs.microsoft.com/en-us/azure/cosmos-db/sql-api-get-started>

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.
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You are developing an Azure solution to collect point-of-sale fPOS) 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

HOTSPOT - (Topic 8)
You develop and deploy the following staticwebapp.config.json file to the app_location value specified in the workflow file of an Azure Static Web app.

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

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Statements

- Unauthenticated users are challenged to authenticate with GitHub.
- A non-existent file in the /images/ folder will generate a 404 response code.
- HTTP GET method requests from authenticated users in the role named **registeredusers** are sent to the API folder.
- Authenticated users that are not in the role named **registeredusers** and unauthenticated users are served a 401 HTTP error when accessing the API folder.

Yes	No
<input checked="" type="radio"/>	<input type="radio"/>
<input checked="" type="radio"/>	<input type="radio"/>
<input checked="" type="radio"/>	<input type="radio"/>
<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION 15

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 queue = pVar1.GetQueueReference("contoso-queue");
CloudTable table = pVar2.GetTableReference("contoso-table");

queue.CreateAsync();
table.CreateAsync();
    
```

- 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 queue = pVar1.GetQueueReference("contoso-queue");
CloudTable table = pVar2.GetTableReference("contoso-table");

queue.CreateAsync();
table.CreateAsync();
    
```

NEW QUESTION 18

DRAG DROP - (Topic 8)
 You develop and deploy an Azure Logic App that calls an Azure Function app. The Azure Function App includes an OpenAPI (Swagger) definition and uses an Azure Blob storage account. All resources are secured by using Azure Active Directory (Azure AD).
 The Logic App must use Azure Monitor logs to record and store information about runtime data and events. The logs must be stored in the Azure Blob storage account.
 You need to set up Azure Monitor logs and collect diagnostics data for the Azure Logic App.
 Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

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

- A. Mastered

B. Not Mastered

Answer: A

Explanation:

Step 1: Create a Log Analytics workspace
Before you start, you need a Log Analytics workspace.
Step 2: Install the Logic Apps Management solution
To set up logging for your logic app, you can enable Log Analytics when you create your logic app, or you can install the Logic Apps Management solution in your Log Analytics workspace for existing logic apps.
Step 3: Add a diagnostic setting to the Azure Logic App Set up Azure Monitor logs
? In the Azure portal, find and select your logic app.
? On your logic app menu, under Monitoring, select Diagnostic settings > Add diagnostic setting.

NEW QUESTION 23

HOTSPOT - (Topic 8)
You have an Azure Web app that uses Cosmos DB as a data store. You create a CosmosDB container by running the following PowerShell script:
\$resourceGroupName = "testResourceGroup"
\$accountName = "testCosmosAccount"
\$databaseName = "testDatabase"
\$containerName = "testContainer"
\$partitionKeyPath = "/EmployeeId"
\$autoscaleMaxThroughput = 5000 New-AzCosmosDBSqlContainer
-ResourceGroupName \$resourceGroupName
-AccountName \$accountName
-DatabaseName \$databaseName
-Name \$containerName
-PartitionKeyKind Hash
-PartitionKeyPath \$partitionKeyPath
-AutoscaleMaxThroughput \$autoscaleMaxThroughput You create the following queries that target the container:
SELECT * FROM c WHERE c.EmployeeId > '12345' SELECT * FROM c WHERE c.UserID = '12345'
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE:Each correct selection is worth one point.

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

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Box 1: No
You set the highest, or maximum RU/s Tmax you don't want the system to exceed. The system automatically scales the throughput T such that $0.1 * Tmax \leq T \leq Tmax$.
In this example we have autoscaleMaxThroughput = 5000, so the minimum throughput for the container is 500 R/Us.
Box 2: No
First query:SELECT * FROM c WHERE c.EmployeeId > '12345'
Here's a query that has a range filter on the partition key and won't be scoped to a single physical partition. In order to be an in-partition query, the query must have an equality filter that includes the partition key:
SELECT * FROM c WHERE c.DeviceId > 'XMS-0001'
Box 3: Yes
Example of In-partition query:
Consider the below query with an equality filter on DeviceId. If we run this query on a container partitioned on DeviceId, this query will filter to a single physical partition.
SELECT * FROM c WHERE c.DeviceId = 'XMS-0001'

NEW QUESTION 28

DRAG DROP - (Topic 8)
You have an application that provides weather forecasting data to external partners. You use Azure API Management to publish APIs.
You must change the behavior of the API to meet the following requirements:
• Support alternative input parameters.
• Remove formatting text from responses.
• Provide additional context to back-end services.
Which types of policies should you implement? To answer, drag the policy types to the correct scenarios. Each policy type may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content
NOTE: Each correct selection is worth one point.

Policy types

Inbound

Outbound

Backend

Answer Area

Requirement

Support alternative input parameters.

Remove formatting text from responses.

Provide additional context to back-end services.

Policy type

policy type

policy type

policy type

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Policy types

Inbound

Outbound

Backend

Answer Area

Requirement

Support alternative input parameters.

Remove formatting text from responses.

Provide additional context to back-end services.

Policy type

Inbound

Outbound

Inbound

NEW QUESTION 31

- (Topic 8)

You develop Azure Durable Functions to manage vehicle loans.

The loan process includes multiple actions that must be run in a specified order. One of the actions includes a customer credit check process, which may require multiple days to process.

You need to implement Azure Durable Functions for the loan process. Which Azure Durable Functions type should you use?

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

Answer: A

NEW QUESTION 36

HOTSPOT - (Topic 8)

You are developing a solution by using the Azure Event Hubs SDK. You create a standard Azure Event Hub with 16 partitions. You implement eight event processor clients.

You must balance the load dynamically when an event processor client fails. When an event processor client fails, another event processor must continue processing from the

exact point at which the failure occurred. All events must be aggregate and upload to an Azure Blob storage account

You need to implement event processing recovery for the solution.

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

Each correct selection is worth one point.

Requirement

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

Feature

Offset

Checkpoint

Namespace

Capture

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

Offset

Checkpoint

Namespace

Capture

- A. Mastered
- B. Not Mastered

Answer: A

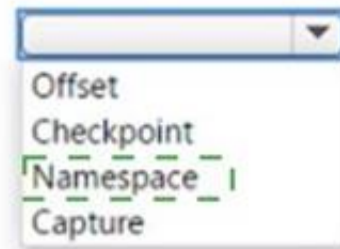
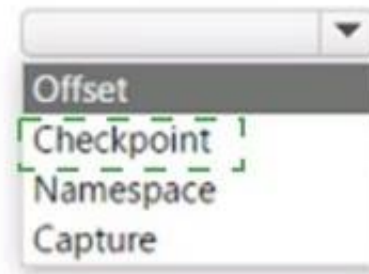
Explanation:

Requirement

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

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

Feature



NEW QUESTION 37

- (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 40

- (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 41

- (Topic 8)

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

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

You have the following requirements:

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

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

? Minimize Azure costs.

You need to implement the messaging solution.

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

Does the solution meet the goal?

- A. Yes

B. No

Answer: A

Explanation:

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

NEW QUESTION 45

- (Topic 8)

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

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

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

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

Answer: BE

Explanation:

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

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

References:

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

NEW QUESTION 50

HOTSPOT - (Topic 8)

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

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

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

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

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

NOTE:Each correct selection is worth one point.

```

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

        "metricName": "
        Http4xx
        Http5xx

        "alertSensitivity": "
        Low
        High

      ]
    }
  }
}

```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: DynamicThresholdCriterion

Box 2: Http5xx

Server errors are in the 5xx range. Client errors are in the 4xx range

Box 3: Low

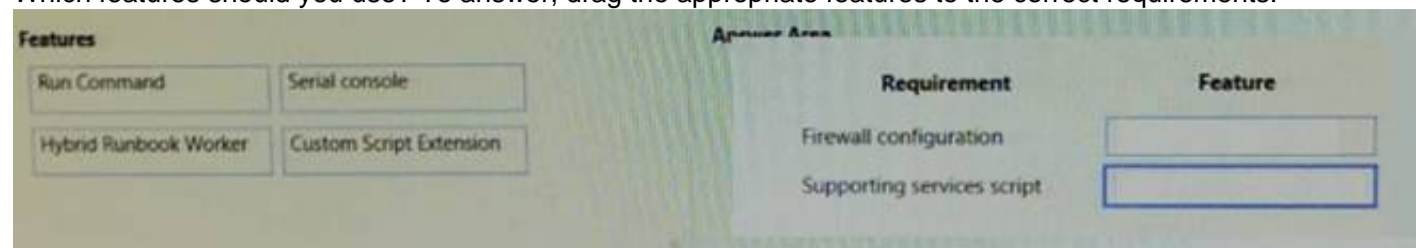
NEW QUESTION 55

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.

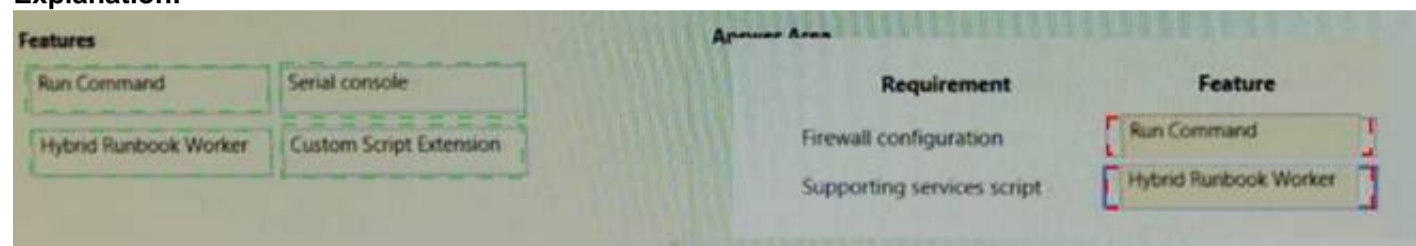
Which features should you use? To answer, drag the appropriate features to the correct requirements.



- A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 58

- (Topic 8)

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

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

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

Does the solution meet the goal?

- A. Yes
B. No

Answer: B

Explanation:

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

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

Reference:

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

NEW QUESTION 60

HOTSPOT - (Topic 8)

You are preparing to deploy a Python website to an Azure Web App using a container. The solution will use multiple containers in the same container group. The Dockerfile that builds the container is as follows:

```
FROM python:3
ADD website.py
CMD [ "python", "./website.py"]
```

You build a container by using the following command. The Azure Container Registry instance named images is a private registry.

```
docker build -t images.azurecr.io/website:v1.0.0
```

The user name and password for the registry isadmin.

The Web App must always run the same version of the website regardless of future builds. You need to create an Azure Web App to run the website.

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

NOTE:Each correct selection is worth one point.

```
az configure --defaults web=website
az configure --defaults group=website
az appservice plan create --name websitePlan
```

--sku SHARED
--tags container
--sku B1 --hyper-v
--sku B1 --is-linux

```
az webapp create --plan websitePlan
```

--deployment-source-url images.azurecr.io/website:v1.0.0
--deployment-source-url images.azurecr.io/website:latest
--deployment-container-image-name images.azurecr.io/website:v1.0.0
--deployment-container-image-name images.azurecr.io/website:latest

```
az webapp config
```

set --python-version 2.7 --generic-configurations user=admin password=admin
set --python-version 3.6 --generic-configurations user=admin password=admin
container set --docker-registry-server-url https://images.azurecr.io -u admin -p admin
container set --docker-registry-server-url https://images.azurecr.io/wsebsite -u admin -p admin

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: --SKU B1 --hyper-v
 --hyper-v
 Host web app on Windows container.
 Box 2: --deployment-source-url images.azurecr.io/website:v1.0.0
 --deployment-source-url -u
 Git repository URL to link with manual integration.
 The Web App must always run the same version of the website regardless of future builds.
 Incorrect:
 --deployment-container-image-name -i
 Linux only. Container image name from Docker Hub, e.g. publisher/image-name:tag.
 Box 3: az webapp config container set -url https://images.azurecr.io -u admin -p admin
 az webapp config container set Set a web app container's settings.
 Parameter: --docker-registry-server-url -r The container registry server url.
 The Azure Container Registry instance named images is a private registry. Example:
 az webapp config container set --docker-registry-server-url https://{azure-container-registry-name}.azurecr.io

NEW QUESTION 61

- (Topic 8)

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

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

NOTE: Each correct selection is worth one point.

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

Answer: ADE

Explanation:

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

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

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

NEW QUESTION 65

- (Topic 8)

You use Azure Table storage to store customer information for an application. The data contains customer details and is partitioned by last name. You need to create a query that returns all customers with the last name Smith. Which code segment should you use?

- A. TableQuery.GenerateFilterCondition("PartitionKey", Equals, "Smith")
- B. TableQuery.GenerateFilterCondition("LastName", Equals, "Smith")
- C. TableQuery.GenerateFilterCondition("PartitionKey", QueryComparisons.Equal, "Smith")
- D. TableQuery.GenerateFilterCondition("LastName", QueryComparisons.Equal, "Smith")

Answer: C

Explanation:

Retrieve all entities in a partition. The following code example specifies a filter for entities where 'Smith' is the partition key. This example prints the fields of each entity in the query results to the console.

Construct the query operation for all customer entities where PartitionKey="Smith".
TableQuery<CustomerEntity> query = new TableQuery<CustomerEntity>().Where(TableQuery.GenerateFilterCondition("PartitionKey", QueryComparisons.Equal, "Smith"));
References:
<https://docs.microsoft.com/en-us/azure/cosmos-db/table-storage-how-to-use-dotnet>

NEW QUESTION 69

- (Topic 8)

You are developing an Azure-based web application. The application goes offline periodically to perform offline data processing. While the application is offline, numerous Azure Monitor alerts fire which result in the on-call developer being paged. The application must always log when the application is offline for any reason. You need to ensure that the on-call developer is not paged during offline processing. What should you do?

- A. Add Azure Monitor alert processing rules to suppress notifications.
- B. Create an Azure Monitor Metric Alert.
- C. Build an Azure Monitor action group that suppresses the alerts.
- D. Disable Azure Monitor Service Health Alerts during offline processing.

Answer: C

NEW QUESTION 71

- (Topic 8)

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

- ? Use API Management to access the services
- ? Use OpenID Connect for authentication
- ? Prevent anonymous usage

A recent security audit found that several web services can be called without any authentication. Which API Management policy should you implement?

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

Answer: D

Explanation:

Add the validate-jwt policy to validate the OAuth token for every incoming request. Reference:
<https://docs.microsoft.com/en-us/azure/api-management/api-management-howto-protect-backend-with-aad>

NEW QUESTION 74

HOTSPOT - (Topic 8)

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

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

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

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

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

NOTE:Each correct selection is worth one point.

Statement	Yes	No
The code configures the lock duration for the queue.	<input type="radio"/>	<input type="radio"/>
The last message read remains in the queue after the code runs.	<input type="radio"/>	<input type="radio"/>
The storage queue remains in the storage account after the code runs.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: No
The QueueDescription.LockDuration property gets or sets the duration of a peek lock; that is, the amount of time that the message is locked for other receivers. The maximum value for LockDuration is 5 minutes; the default value is 1 minute.

Box 2: Yes
You can peek at the message in the front of a queue without removing it from the queue by calling the PeekMessage method.

Box 3: Yes

NEW QUESTION 79

DRAG DROP - (Topic 8)
You are authoring a set of nested Azure Resource Manager templates to deploy multiple Azure resources. The templates must be tested before deployment and must follow recommended practices. You need to validate and test the templates before deployment. Which tools should you use? To answer, drag the appropriate tools to the correct requirements. Each tool may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.

Tools	Requirement	Tool
Parameter file	Determine whether the templates follow recommended practices.	Tool
Template function		Tool
Azure Resource Manager test toolkit	Test and validate changes that templates will make to the environment.	
User-defined function		
What-if operation		
Azure Deployment Manager		

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:
https://docs.microsoft.com/en-us/azure/azure-resource-manager/templates/test-toolkit
https://docs.microsoft.com/en-us/azure/azure-resource-manager/templates/deploy-what-if?tabs=azure-powershell

NEW QUESTION 84

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.	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
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 85

- (Topic 8)
You develop an ASP.NET Core app that uses Azure App Configuration. You also create an App Configuration containing 100 settings. The app must meet the following requirements:
• Ensure the consistency of all configuration data when changes to individual settings occur.
• Handle configuration data changes dynamically without causing the application to restart.
• Reduce the overall number of requests made to App Configuration APIs.
You must implement dynamic configuration updates in the app.
What are two ways to achieve this goal? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

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

Answer: AE

NEW QUESTION 89

DRAG DROP - (Topic 8)

You have an Azure Cosmos DB for NoSQL account.

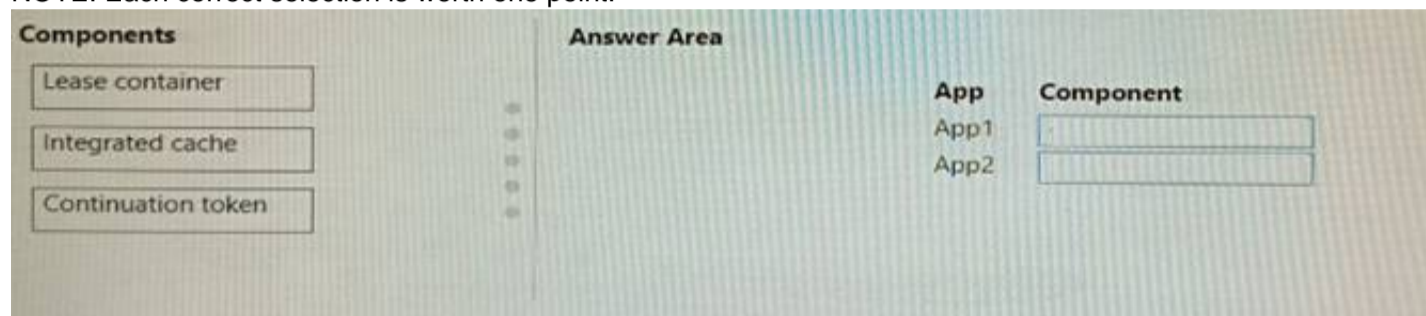
You plan to develop two apps named App1 and App2 that will use the change feed functionality to track changes to containers.

App1 will use the pull model and App2 will use the push model.

You need to choose the method to track the most recently processed change in App1 and App2.

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

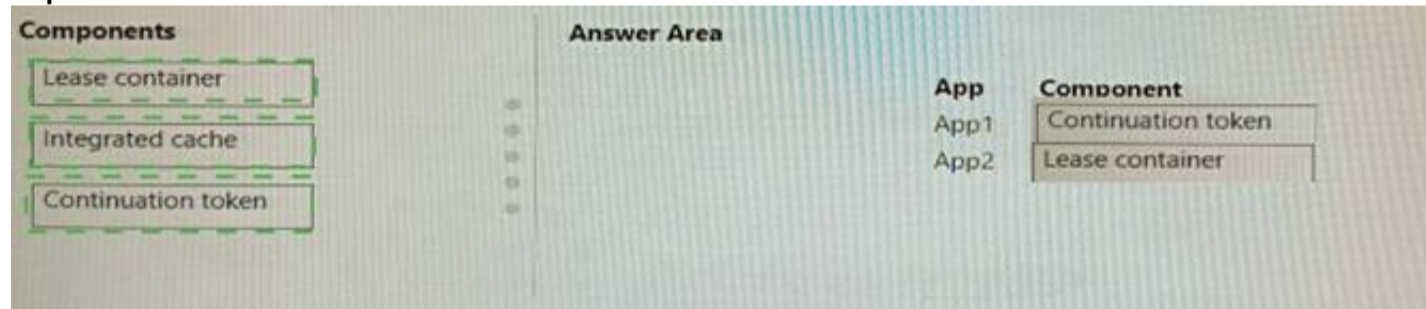


App	Component
App1	
App2	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



App	Component
App1	Continuation token
App2	Lease container

NEW QUESTION 93

HOTSPOT - (Topic 8)

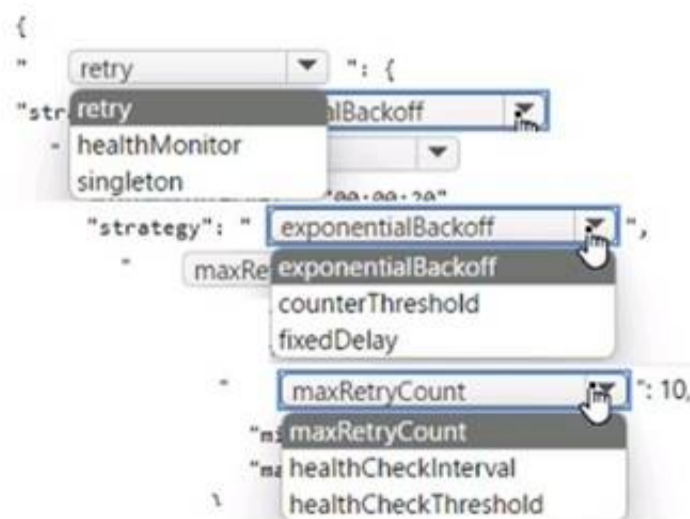
All functions in the app meet the following requirements:

- 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



```

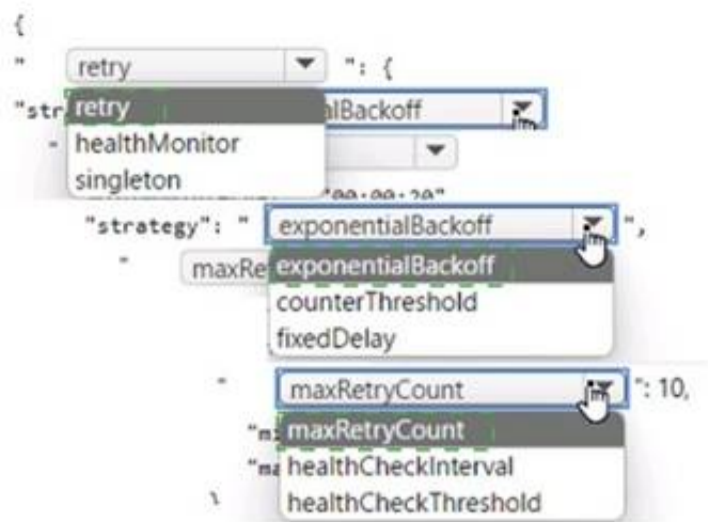
{
  "retry": {
    "strategy": "exponentialBackoff",
    "maxRetryCount": 10,
    "healthCheckInterval": 20,
    "healthCheckThreshold": 15
  }
}
    
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area



NEW QUESTION 94

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.	<div><div>Azure PowerShell</div><div>Visual Studio command prompt</div><div>Azure Migrate</div><div>Azure Backup</div></div>
Store images.	<div><div>Azure Blob Storage</div><div>Azure Data Lake Storage</div><div>Azure File Storage</div><div>Azure Table Storage</div></div>

- 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 96

- (Topic 8)

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

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

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

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

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

- D. Option D
- E. Option E

Answer: BE

Explanation:

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

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

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

References:

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


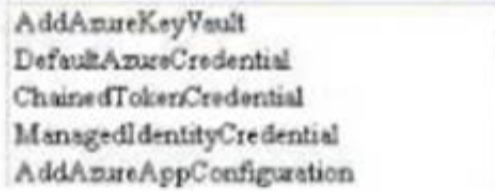

NEW QUESTION 98

HOTSPOT - (Topic 8)

You are a developer building a web site using a web app. The web site stores configuration data in Azure App Configuration. Access to Azure App Configuration has been configured to use the identity of the web app for authentication. Security requirements specify that no other authentication systems must be used.

You need to load configuration data from Azure App Configuration.

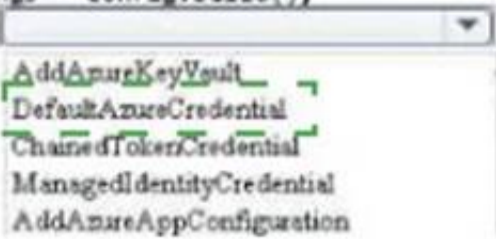
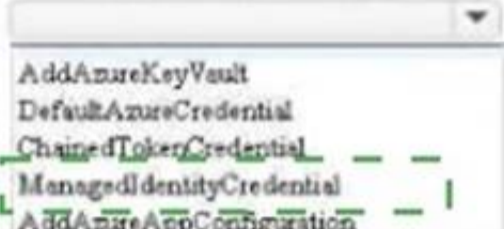
How should you complete the code? To answer, select the appropriate options in the answer area.

```
public static IHostBuilder CreateHostBuilder(string[] args) =>
{
    Host.CreateDefaultBuilder(args)
        .ConfigureWebHostDefaults(webBuilder =>
        {
            webBuilder.ConfigureAppConfiguration((context, config) =>
            {
                var settings = config.Build();
                config.  (options =>
                {
                    
                });
                options.Connect(new Uri(settings["AppConfig:Endpoint"]),
                new  ());
            });
        });
}
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

```
public static IHostBuilder CreateHostBuilder(string[] args) =>
    Host.CreateDefaultBuilder(args)
        .ConfigureWebHostDefaults(web =>
        {
            web.ConfigureAppConfiguration((hc, config) =>
            {
                var settings = config.Build();
                config.  (options =>
                {
                    options.Connect(new Uri(settings["AppConfig:Endpoint"]),
                        new  ());
                });
            });
        });
```

NEW QUESTION 100

- (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 104

FILL IN THE BLANK - (Topic 8)

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

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

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:

Answer Area

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

NEW QUESTION 109

DRAG DROP - (Topic 8)

You develop a web application.

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

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

Actions

Answer Area

- Select **Manifest** from the middle-tier service registration.
- In Enterprise Applications, select **New application**.
- Add a Cryptographic key.
- Create a new application and provide the name, account type, and redirect URL
- Select the Azure AD instance.
- Use an access token to access the secure resource.
- In App Registrations, select **New registration**.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Register a new application using the Azure portal

? Sign in to the Azure portal using either a work or school account or a personal Microsoft account.

? If your account gives you access to more than one tenant, select your account in the upper right corner. Set your portal session to the Azure AD tenant that you want.

? Search for and select Azure Active Directory. Under Manage, select App registrations.

? Select New registration. (Step 1)

? In Register an application, enter a meaningful application name to display to users.

? Specify who can use the application. Select the Azure AD instance. (Step 2)

? Under Redirect URI (optional), select the type of app you're building: Web or Public client (mobile & desktop). Then enter the redirect URI, or reply URL, for your application. (Step 3)

? When finished, select Register.

NEW QUESTION 110

- (Topic 8)

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

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

Answer: AC

NEW QUESTION 111

- (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 115

- (Topic 8)

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

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

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

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

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

Does the solution meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

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

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

Reference:

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

NEW QUESTION 118

- (Topic 8)

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

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

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

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

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

- A. userFlowType
- B. Status
- C. invitationUser
- D. resetRedemption

Answer: B

NEW QUESTION 123

- (Topic 8)

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

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

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

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

Answer: C

NEW QUESTION 124

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 127

- (Topic 8)

Note: This question is part of a series of questions that present the same scenario.

Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

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

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

You have the following requirements:

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

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

? Minimize Azure costs.

You need to implement the messaging solution.

Solution: Use the .Net API to add a message to an Azure Storage Queue from the mobile application. Create an Azure VM that is triggered from Azure Storage Queue events.

Does the solution meet the goal?

- A. Yes
 B. No

Answer: B

Explanation:

Don't use a VM, instead create an Azure Function App that uses an Azure Service Bus Queue trigger.

Reference:

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

NEW QUESTION 131

DRAG DROP - (Topic 8)

You are implementing an order processing system. A point of sale application publishes orders to topics in an Azure Service Bus queue. The label property for the topic includes the following data:

Property	Description
ShipLocation	the country/region where the order will be shipped
CorrelationId	a priority value for the order
Quantity	a user-defined field that stores the quantity of items in an order
AuditedAt	a user-defined field that records the date an order is audited

The system has the following requirements for subscriptions

Subscription type	Comments
FutureOrders	This subscription is reserved for future use and must not receive any orders.
HighPriorityOrders	Handle all high priority orders and International orders.
InternationalOrders	Handle orders where the country/region is not United States.
HighQuantityOrders	Handle only orders with quantities greater than 100 units.
AllOrders	This subscription is used for auditing purposes. This subscription must receive every single order. AllOrders has an Action defined that updates the AuditedAt property to include the date and time it was received by the subscription.

You need to implement filtering and maximize throughput while evaluating filters.

Which filter types should you implement? To answer, drag the appropriate filter types to the correct subscriptions. Each filter 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.

Filter types

Answer Area

SQLFilter

CorrelationFilter

No Filter

Subscription	Filter type
FutureOrders	
HighPriorityOrders	
InternationalOrders	
HighQuantityOrders	
AllOrders	

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

FutureOrders: SQLFilter HighPriorityOrders: CorrelationFilter

CorrelationID only

InternationalOrders: SQLFilter

Country NOT USA requires an SQL Filter

HighQuantityOrders: SQLFilter

Need to use relational operators so an SQL Filter is needed. AllOrders: No Filter

SQL Filter: SQL Filters - A SqlFilter holds a SQL-like conditional expression that is evaluated in the broker against the arriving messages' user-defined properties and system properties. All system properties must be prefixed with sys. in the conditional expression. The SQL-language subset for filter conditions tests for the existence of properties (EXISTS), as well as for null-values (IS NULL), logical NOT/AND/OR, relational operators, simple numeric arithmetic, and simple text pattern matching with LIKE.

Correlation Filters - A CorrelationFilter holds a set of conditions that are matched against one or more of an arriving message's user and system properties. A common use is to match against the CorrelationId property, but the application can also choose to match against ContentType, Label, MessageId, ReplyTo, ReplyToSessionId, SessionId, To, and any user-defined properties. A match exists when an arriving message's value for a property is equal to the value specified in the correlation filter. For string expressions, the comparison is case-sensitive. When specifying multiple match properties, the filter combines them as a logical AND condition, meaning for the filter to match, all conditions must match.

Boolean filters - The TrueFilter and FalseFilter either cause all arriving messages (true) or none of the arriving messages (false) to be selected for the subscription.

References:

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

NEW QUESTION 133

- (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.

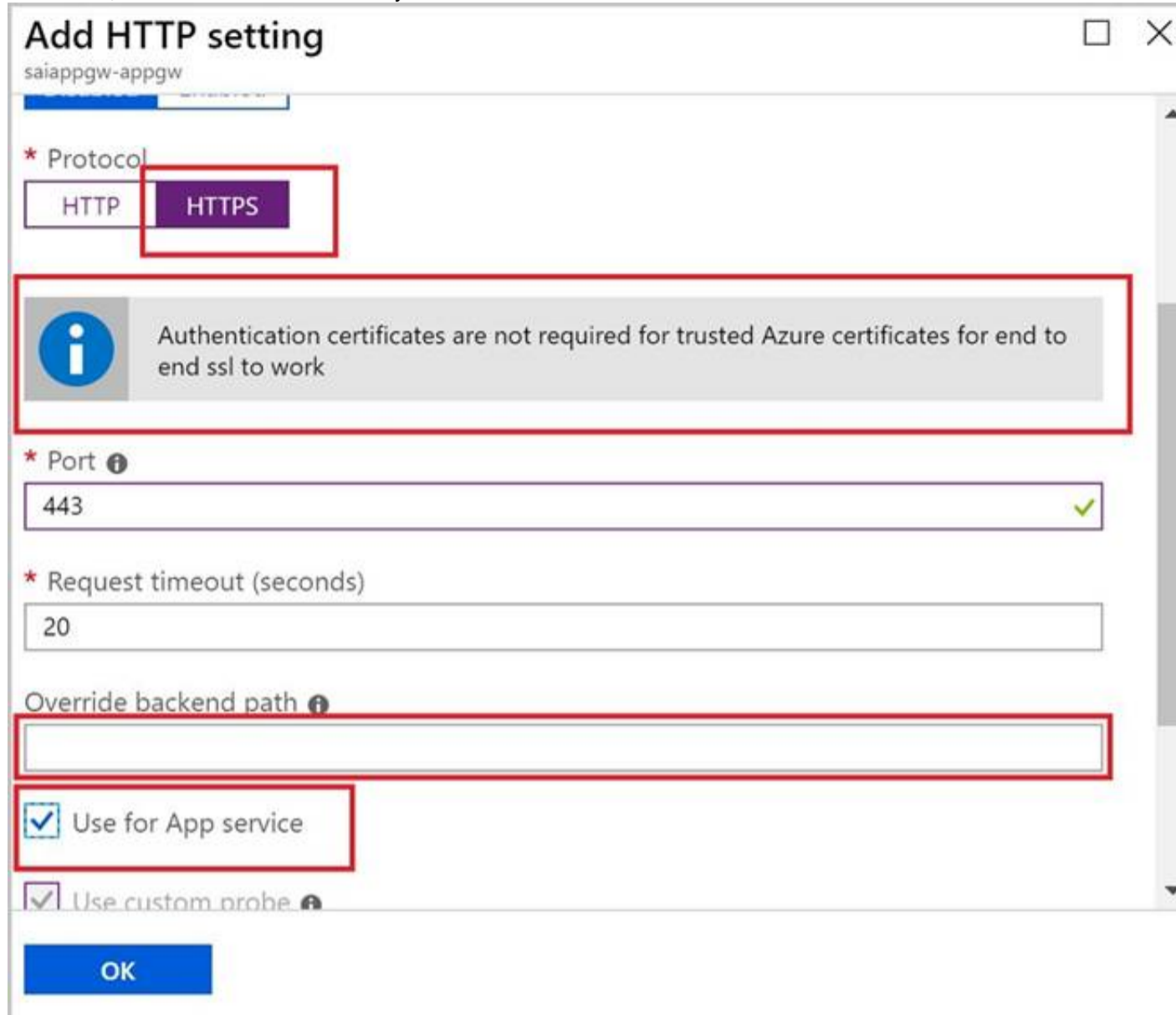
Which two actions should you perform? Each correct answer presents part of the solution. NOTE:Each correct selection is worth one point.

- 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 135

- (Topic 8)

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

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

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

You create the index in Azure Search.

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

Solution:

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

Does the solution meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

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

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

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

...

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

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

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

```
try
{
indexClient.Documents.Index(batch);
}
}
References:
https://docs.microsoft.com/en-us/azure/search/search-howto-dotnet-sdk
```

NEW QUESTION 138

- (Topic 8)

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

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

What should you do?

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

Answer: D

NEW QUESTION 142

HOTSPOT - (Topic 8)

You are developing a ticket reservation system for an airline.

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

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

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

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

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

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

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

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

NOTE: Each correct selection is worth one point.

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

	▼
Strong	
Eventual	
ConsistentPrefix	
BoundedStaleness	

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

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

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

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

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: BoundedStaleness

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

The number of versions (K) of the item

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

NEW QUESTION 146

HOTSPOT - (Topic 8)

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

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

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

NOTE:Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Docker container

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

Box 2: PowerShell core

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

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

Box 3: 7.0

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

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

NEW QUESTION 150

DRAG DROP - (Topic 8)

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

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

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

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

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

Commands	Answer Area
<div>RUN powershell ./setupScript.ps1 CMD ["dotnet", "ContosoApp.dll"]</div>	
<div>EXPOSE ./ContosoApp/ /apps/ContosoApp</div>	
<div>COPY ./</div>	<div>⬅</div>
<div>FROM microsoft/aspnetcore:2.0</div>	<div>➡</div>
<div>WORKDIR /apps/ContosoApp</div>	<div>⬆</div>
<div>CMD powershell ./setupScript.ps1 ENTRYPOINT ["dotnet", "ContosoApp.dll"]</div>	<div>⬇</div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: WORKDIR /apps/ContosoApp
Step 2: COPY ./-
The Docker document must be created in the same folder where ContosoApp.dll and setupScript.ps1 are stored.
Step 3: EXPOSE ./ContosoApp/ /app/ContosoApp Step 4: CMD powershell ./setupScript.ps1
ENTRYPOINT ["dotnet", "ContosoApp.dll"]
You need to create a Dockerfile document that meets the following requirements:
? Call setupScript.ps1 when the container is built.
? Run ContosoApp.dll when the container starts.
References:
<https://docs.microsoft.com/en-us/azure/app-service/containers/tutorial-custom-docker-image>

NEW QUESTION 153

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";
[Box 1] hub =
[Box 2]
(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.[Box 3] (windowsToastPayload);
...
}
catch (System.Exception ex)
{
...
}
...
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 156

HOTSPOT - (Topic 8)

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

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

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

NOTE: Each correct selection is worth one point.

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

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

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

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

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

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

- A. Mastered
 B. Not Mastered

Answer: A

Explanation:

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

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

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

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

Box 3: [IsFilterable,IsSortable,IsFaceTable] Rating

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

Box 4: [IsSearchable.IsFilterable,IsFacetable]

Cuisines

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

Box 5: [IsFilterable,IsFacetable] FamilyFriendly

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

References:

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

NEW QUESTION 157

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 161

HOTSPOT - (Topic 8)

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

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

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

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

NOTE: Each correct selection is worth one point.

Answer Area

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

iOS
Mobile
iPhone
Desktop

DeliveryRulesDeviceConditionParameters
DeliveryRuleCookiesConditionParameters
DeliveryRulePostArgsConditionParameters
DeliveryRuleRequestHeaderConditionParameters

FROM
PRAGMA
X-POWERED-BY
HTTP_USER_AGENT

DeliveryRulesDeviceConditionParameters
DeliveryRuleCookiesConditionParameters
DeliveryRulePostArgsConditionParameters
DeliveryRuleRequestHeaderConditionParameters

iOS
Mobile
iPhone
Desktop

- 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 165

- (Topic 8)

You are developing an application to store business-critical data in Azure Blob storage. The application must meet the following requirements:

- Data must not be modified or deleted for a user-specified interval.
- Data must be protected from overwntes and deletes.
- Data must be written once and allowed to be read many times. You need to protect the data fen the Azure Blob storage account.

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

- A. Enable version-level immutability support for the storage account.
B. Create an account shared-access signature (SAS).
C. Enable point-in-time restore for containers in the storage account.
D. Create a service shared-access signature (SAS).
E. Enable the blob change feed for the storage account.
F. Configure a time-based retention policy for the storage account.

Answer: DF

NEW QUESTION 170

- (Topic 8)

A development team is creating a new REST API. The API will store data in Azure Blob storage. You plan to deploy the API to Azure App Service.

Developers must access the Azure Blob storage account to develop the API for the next two months. The Azure Blob storage account must not be accessible by the developers after the two-month time period.

You need to grant developers access to the Azure Blob storage account. What should you do?

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

Answer: A

Explanation:

Reference:

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

NEW QUESTION 171

DRAG DROP - (Topic 8)

You develop a gateway solution for a public facing news API.

The news API back end is implemented as a RESTful sen/ice and hosted in an Azure App Service instance.

You need to configure back-end authentication for the API Management service instance. Which target and gateway credential type should you use? To answer, drag the appropriate

values to the correct parameters. Each value may be used once, more than once, or not at

all. You may need to drag the split bar between panes or scroll to view content. NOTE: Each correct selection is worth one point.

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

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Box 1: Azure Resource Box 2: Client cert

API Management allows to secure access to the back-end service of an API using client certificates.

References:

<https://docs.microsoft.com/en-us/rest/api/apimanagement/apimanagementrest/azure-api-management-rest-api-backend-entity>

NEW QUESTION 174

HOTSPOT - (Topic 8)

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

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

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

NOTE: Each correct selection is worth one point.

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

key
secret
recover
certificate

Microsoft.Secret
Microsoft.Storage
Microsoft.Keyvault
Microsoft.Certificate

A. Mastered

B. Not Mastered

Answer: A

Explanation:

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

key
secret
recover
certificate

Microsoft.Secret
Microsoft.Storage
Microsoft.Keyvault
Microsoft.Certificate

NEW QUESTION 177

- (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 182

HOTSPOT - (Topic 8)

Your company is migrating applications to Azure. The IT department must allow internal developers to communicate with Microsoft support. The service agents of the IT department must only have view resources and create support ticket permissions to all subscriptions. A new custom role must be created by reusing a default role definition and changing the permissions. You need to create the custom role. To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Item	Value
Powershell command	<div><div>▼</div><div>Get-AzureRmRoleDefinition-Name"Reader" ConvertTo-Json Out-File C:\SupportRole.json Get-AzureRmRoleDefinition-Name"Operator" ConvertTo-Json Out-File C:\SupportRole.json Set-AzureRmRoleDefinition-Name"Reader" Input-File C:\SupportRole.json Set-AzureRmRoleDefinition Input-File C:\SupportRole.json</div></div>
Actions section	<div><div>▼</div><div>"*/read*",*Microsoft.Support/*" "*/read*" ":*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 185

- (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 190

HOTSPOT - (Topic 8)

You are developing a web application that uses the Microsoft identify platform for user and resource authentication. The web application calls several REST APIs.

You are implementing various authentication and authorization flows for the web application.

You need to validate the claims in the authentication token.

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

NOTE: Each correct selection is worth one point.

Answer Area

Requirement	Token type
Identify users for the application by using a JWT token that contains claims.	<div><div>Access</div><div>ID</div><div>Refresh</div><div>SAML</div></div>
Provide XML representations of claims that can be consumed by applications that use WS-Federation.	<div><div>Access</div></div>
Provide the web application with long-term access to resources on behalf of users without requiring interaction with those users.	<div><div>Access</div><div>ID</div><div>Refresh</div><div>SAML</div></div>
Provide XML representations of claims that can be consumed by applications that use WS-Federation.	<div><div>Access</div><div>ID</div><div>Refresh</div><div>SAML</div></div>

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Requirement	Token type
Identify users for the application by using a JWT token that contains claims.	<div><div>Access</div><div>ID</div><div>Refresh</div><div>SAML</div></div>
Provide XML representations of claims that can be consumed by applications that use WS-Federation.	<div><div>Access</div></div>
Provide the web application with long-term access to resources on behalf of users without requiring interaction with those users.	<div><div>Access</div><div>ID</div><div>Refresh</div><div>SAML</div></div>
Provide XML representations of claims that can be consumed by applications that use WS-Federation.	<div><div>Access</div><div>ID</div><div>Refresh</div><div>SAML</div></div>

NEW QUESTION 193

- (Topic 8)

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

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

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

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

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

- A. Yes
B. No

Answer: B

Explanation:

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

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

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

Reference:

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

NEW QUESTION 197

- (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 202

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 204

- (Topic 8)

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

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

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

NOTE: Each correct selection is worth one point.

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

Answer: AC

Explanation:

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

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

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

References:

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

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

NEW QUESTION 209

- (Topic 8)

You develop a solution that uses Azure Virtual Machines (VMs).

The VMs contain code that must access resources in an Azure resource group. You grant the VM access to the resource group in Resource Manager.

You need to obtain an access token that uses the VMs system-assigned managed identity. Which two actions should you perform? Each correct answer presents part of the solution.

- A. Use PowerShell on a remote machine to make a request to the local managed identity for Azure resources endpoint.
- B. Use PowerShell on the VM to make a request to the local managed identity for Azure resources endpoint.
- C. From the code on the V
- D. call Azure Resource Manager using an access token.
- E. From the code on the V
- F. call Azure Resource Manager using a SAS token.
- G. From the code on the V
- H. generate a user delegation SAS token.

Answer: BC

NEW QUESTION 210

- (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 214

- (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 policy
- E. Apply the policy to the outbound policy section with an API scope.
- F. Create and configure a custom policy
- 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 217

- (Topic 8)

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

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

Margie's Travel is an international travel and bookings management service. The company

is expanding into restaurant bookings. You are tasked with implementing Azure Search for the restaurants listed in their solution.

You create the index in Azure Search.

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

Solution:

- * 1. Create a SearchServiceClient object to connect to the search index.
- * 2. Create a DataContainer that contains the documents which must be added.
- * 3. Create a DataSource instance and set its Container property to the DataContainer.
- * 4. Set the DataSource property of the SearchServiceClient

Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Use the following method:

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

References:

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

NEW QUESTION 218

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 one point

Configuration	Value
Tier	<div><div></div><div>Basic</div><div>Standard</div><div>Premium</div></div>
Access control (IAM) level	<div><div></div><div>Contributor</div><div>Data Receiver</div><div>Data Sender</div><div>Data Owner</div></div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Configuration	Value
Tier	<div><div></div><div>Basic</div><div>Standard</div><div>Premium</div></div>
Access control (IAM) level	<div><div></div><div>Contributor</div><div>Data Receiver</div><div>Data Sender</div><div>Data Owner</div></div>

NEW QUESTION 220

DRAG DROP - (Topic 8)

You develop a web app that uses tier D1 app service plan by using the Web Apps feature of Microsoft Azure App Service.

Spikes in traffic have caused increases in page load times.

You need to ensure that the web app automatically scales when CPU load is about 85 percent and minimize costs.

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

NOTE:More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.

Actions	Answer Area
Configure the web app to the Premium App Service tier.	
Configure the web app to the Standard App Service tier.	
Enable autoscaling on the web-app.	<div><div></div><div></div></div>
Add a Scale rule.	<div><div></div><div></div></div>
Switch to an Azure App Services consumption plan.	
Configure a Scale condition.	

- A. Mastered

B. Not Mastered

Answer: A

Explanation:

Step 1: Configure the web app to the Standard App Service Tier
The Standard tier supports auto-scaling, and we should minimize the cost.
Step 2: Enable autoscaling on the web app First enable autoscale
Step 3: Add a scale rule
Step 4: Add a Scale condition

NEW QUESTION 222

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 225

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 AppFeatureFlagStorethat 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.
    app.
    app.
    app.UseEndpoint(endpoints =>
    {
        endpoints.MapRazorPages();
    });
}
```

UseAuthentication

UseStaticFiles

UseSession

UseCookiePolicy

UseAuthorization

UseHttpsRedirection

UseSession

UseCookiePolicy

UseAzureAppConfiguration

UseRequestLocalization

UseCors

UseStaticFiles

- 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 229

DRAG DROP - (Topic 8)

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

You have the following requirements.

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

You need to configure storage for each microservice.

Storage types		Answer Area	
Azure Blob Storage		Microservice	Storage type
Azure Files storage		serviceA	
Ephemeral volume	•	serviceB	
Container file system	•	serviceC	
	•		
	•		
	•		

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Storage types		Answer Area	
Azure Blob Storage		Microservice	Storage type
Azure Files storage		serviceA	Ephemeral volume
Ephemeral volume	•	serviceB	Container file system
Container file system	•	serviceC	Azure Files storage
	•		
	•		
	•		

NEW QUESTION 233


- (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	
SalesLT	Customer	FirstName	
SalesLT	Customer	LastName	
SalesLT	Customer	EmailAddress	
SalesLT	Customer	Phone	
SalesLT	CustomerAddress	AddressID	

References:

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

NEW QUESTION 235

HOTSPOT - (Topic 8)

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

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

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

You need to configure Azure CDN caching rules.

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

NOTE:Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Override
Override: Ignore origin-provided cache duration; use the provided cache duration instead. This will not override cache-control: no-cache.
Set if missing: Honor origin-provided cache-directive headers, if they exist; otherwise, use the provided cache duration.
Incorrect:
Bypass cache: Do not cache and ignore origin-provided cache-directive headers.
Box 2: 1 hour
All media content must expire from the cache after one hour.
Box 3: Cache every unique URL
Cache every unique URL: In this mode, each request with a unique URL, including the query string, is treated as a unique asset with its own cache. For example, the response from the origin server for a request for example.ashx?q=test1 is cached at the POP node and returned for subsequent caches with the same query string. A request for example.ashx?q=test2 is cached as a separate asset with its own time-to-live setting.

NEW QUESTION 240

HOTSPOT - (Topic 8)
You are developing a C++ application that compiles to a native application named process.exe. The application accepts images as input and returns images in one of the following image formats: GIF, PNG, or JPEG.
You must deploy the application as an Azure Function. You need to configure the function and host json files.
How should you complete the json files? To answer, select the appropriate options in the answer area.
NOTE:Each correct selection is worth one point.

```
function.json
{
  

▼


  "type": "http"
  "platform": "gcm"
  "datatype": "stream"
  "path": "process.exe"

  "direction": "out",
  "name" : "result"
}
host.json


▼


"customHandler": { "description": {
"languageWorker": { "path": {
"extensions": {"worker": {
"extensionBundle": {

"defaultExecutablePath": "process.exe"
},


▼


"enableForwardingHttpRequest": true
"enableForwardingHttpRequest": false
}
}
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

```
function.json
{
  

▼


  "type": "http"
  "platform": "gcm"
  "datatype": "stream"
  "path": "process.exe"

  "direction": "out",
  "name" : "result"
}
host.json


▼


"customHandler": { "description": {
"languageWorker": { "path": {
"extensions": {"worker": {
"extensionBundle": {

"defaultExecutablePath": "process.exe"
},


▼


"enableForwardingHttpRequest": true
"enableForwardingHttpRequest": false
}
}
```

NEW QUESTION 243

- (Topic 8)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution. After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen. You develop a software as a service (SaaS) offering to manage photographs. Users upload photos to a web service which then stores the photos in Azure Storage Blob storage. The storage account type is General-purpose V2.

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

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

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

Does the solution meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

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

Reference:

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

NEW QUESTION 247

HOTSPOT - (Topic 8)

You have a single page application (SPA) web application that manages information based on data returned by Microsoft Graph from another company's Azure Active Directory (Azure AD) instance.

Users must be able to authenticate and access Microsoft Graph by using their own company's Azure AD instance.

You need to configure the application manifest for the app registration.

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

NOTE: Each correct selection is worth one point.

```
{
  "oauth2AllowImplicitFlow": 

add
    false
    spa
    true

,
  "


addIns
    orgRestrictions
    availableToOtherTenants
    requiredResourceAccess


  ": [{
    "resourceAppId": "00000003-0000-0000-c000-000000000000",
    "resourceAccess": [{
      "id" : "24a6cdd6-fab1-4aaf-91b8-3cc8225e90d0",
      "type": "Scope"
    }
  ]
}],
  "signInAudience": "

All
    AzureADMyOrg
    AzureADMultipleOrgs
    AzureADandPersonalMicrosoftAccount

"
}
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: true

The `oauth2AllowImplicitFlow` attribute Specifies whether this web app can request OAuth2.0 implicit flow access tokens. The default is false. This flag is used for browser- based apps, like JavaScript single-page apps.

In implicit flow, the app receives tokens directly from the Azure Active Directory (Azure AD) authorize endpoint, without any server-to-server exchange. All authentication logic and session handling is done entirely in the JavaScript client with either a page redirect or a pop-up box.

Box 2: `requiredResourceAccess`

With dynamic consent, `requiredResourceAccess` drives the admin consent experience and the user consent experience for users who are using static consent. However, this parameter doesn't drive the user consent experience for the general case.

`resourceAppId` is the unique identifier for the resource that the app requires access to. This value should be equal to the `appId` declared on the target resource app.

`resourceAccess` is an array that lists the OAuth2.0 permission scopes and app roles that the app requires from the specified resource. Contains the `id` and `type` values of the specified resources.

Example: `"requiredResourceAccess": [`

```
{
  "resourceAppId": "00000002-0000-0000-c000-000000000000",
  "resourceAccess": [
    {
      "id": "311a71cc-e848-46a1-bdf8-97ff7156d8e6", "type": "Scope"
    }
  ]
}
```

```
]
}
},
```

Box 3: AzureADMyOrg

The signInAudience attribute specifies what Microsoft accounts are supported for the current application. Supported values are:

AzureADMyOrg - Users with a Microsoft work or school account in my organization's Azure AD tenant (for example, single tenant)

AzureADMultipleOrgs - Users with a Microsoft work or school account in any organization's Azure AD tenant (for example, multi-tenant)

AzureADandPersonalMicrosoftAccount - Users with a personal Microsoft account, or a work or school account in any organization's Azure AD tenant

NEW QUESTION 251

- (Topic 8)

Your company is developing an Azure API.

You need to implement authentication for the Azure API. You have the following requirements:

? All API calls must be secure.

? Callers to the API must not send credentials to the API.

Which authentication mechanism should you use?

- A. Basic
- B. Anonymous
- C. Managed identity
- D. Client certificate

Answer: C

Explanation:

Use the authentication-managed-identity policy to authenticate with a backend service using the managed identity of the API Management service. This policy essentially uses the managed identity to obtain an access token from Azure Active Directory for accessing the specified resource. After successfully obtaining the token, the policy will set the value of the token in the Authorization header using the Bearer scheme.

Reference:

<https://docs.microsoft.com/bs-cyrl-ba/azure/api-management/api-management-authentication-policies>

NEW QUESTION 256

- (Topic 8)

You are developing a web application that uses Azure Cache for Redis. You anticipate that the cache will frequently fill and that you will need to evict keys.

You must configure Azure Cache for Redis based on the following predicted usage pattern: A small subset of elements will be accessed much more often than the rest.

You need to configure the Azure Cache for Redis to optimize performance for the predicted usage pattern.

Which two eviction policies will achieve the goal?

NOTE:Each correct selection is worth one point.

- A. noeviction
- B. allkeys-lru
- C. volatile-lru
- D. allkeys-random
- E. volatile-ttl
- F. volatile-random

Answer: BD

Explanation:

B: The allkeys-lru policy evict keys by trying to remove the less recently used (LRU) keys first, in order to make space for the new data added. Use the allkeys-lru policy when you expect a power-law distribution in the popularity of your requests, that is, you expect that a subset of elements will be accessed far more often than the rest.

C: volatile-lru: evict keys by trying to remove the less recently used (LRU) keys first, but only among keys that have an expire set, in order to make space for the new data added.

Note: The allkeys-lru policy is more memory efficient since there is no need to set an expire for the key to be evicted under memory pressure.

Reference: <https://redis.io/topics/lru-cache>

NEW QUESTION 261

DRAG DROP - (Topic 8)

You develop an Azure solution that uses Cosmos DB.

The current Cosmos DB container must be replicated and must use a partition key that is optimized for queries.

You need to implement a change feed processor solution.

Which change feed processor 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 the content.

NOTE:Each correct selection is worth one point.

Components	Requirement	Component
Host	Store the data from which the change feed is generated.	Component
Delegate	Coordinate processing of the change feed across multiple workers.	Component
Lease container	Use the change feed processor to listen for changes.	Component
Monitored container	Handle each batch of changes.	Component

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: The monitored container
The monitored container has the data from which the change feed is generated. Any inserts and updates to the monitored container are reflected in the change feed of the container.

Box 2: The lease container
The lease container acts as a state storage and coordinates processing the change feed across multiple workers. The lease container can be stored in the same account as the monitored container or in a separate account.

Box 3: The host: A host is an application instance that uses the change feed processor to listen for changes. Multiple instances with the same lease configuration can run in parallel, but each instance should have a different instance name.

Box 4: The delegate
The delegate is the code that defines what you, the developer, want to do with each batch of changes that the change feed processor reads.

NEW QUESTION 264

- (Topic 8)
You develop and deploy an ASP.NET web app to Azure App Service. You use Application Insights telemetry to monitor the app.
You must test the app to ensure that the app is available and responsive from various points around the world and at regular intervals. If the app is not responding, you must send an alert to support staff.
You need to configure a test for the web app.
Which two test types can you use? Each correct answer presents a complete solution.
NOTE:Each correct selection is worth one point.

- A. integration
- B. multi-step web
- C. URL ping
- D. unit
- E. load

Answer: BC

Explanation:

There are three types of availability tests:
? URL ping test: a simple test that you can create in the Azure portal.
? Multi-step web test: A recording of a sequence of web requests, which can be played back to test more complex scenarios. Multi-step web tests are created in Visual Studio Enterprise and uploaded to the portal for execution.
? Custom Track Availability Tests: If you decide to create a custom application to run availability tests, the TrackAvailability() method can be used to send the results to Application Insights.
Reference:
<https://docs.microsoft.com/en-us/azure/azure-monitor/app/monitor-web-app-availability>

NEW QUESTION 267

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

Answer Area

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

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

NEW QUESTION 272

DRAG DROP - (Topic 8)

You develop an ASP.NET Core MVC application. You configure the application to track webpages and custom events.

You need to identify trends in application usage.

Which Azure Application Insights Usage Analysis 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.

Requirement	Feature
Which pages visited by users most often correlate to a product purchase?	<input type="text"/>
How does load time of the product display page affect a user's decision to purchase a product?	<input type="text"/>
Which events most influence a user's decision to continue to use the application?	<input type="text"/>
Are there places in the application that users often perform repetitive actions?	<input type="text"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box1: Users Box 2: Impact

One way to think of Impact is as the ultimate tool for settling arguments with someone on your team about how slowness in some aspect of your site is affecting whether users stick around. While users may tolerate a certain amount of slowness, Impact gives you insight into how best to balance optimization and performance to maximize user conversion.

Box 3: Retention

The retention feature in Azure Application Insights helps you analyze how many users return to your app, and how often they perform particular tasks or achieve goals. For example, if you run a game site, you could compare the numbers of users who return to the site after losing a game with the number who return after winning. This knowledge can help you improve both your user experience and your business strategy.

Box 4: User flows

The User Flows tool visualizes how users navigate between the pages and features of your site. It's great for answering questions like:

How do users navigate away from a page on your site? What do users click on a page on your site?

Where are the places that users churn most from your site?

Are there places where users repeat the same action over and over?

NEW QUESTION 274

- (Topic 8)

You are developing a Java application to be deployed in Azure. The application stores sensitive data in Azure Cosmos DB. You need to configure Always Encrypted to encrypt the sensitive data inside the application. What should you do first?

- A. Create a customer-managed key (CMK) and store the key in a new Azure Key Vault instance.
- B. Create an Azure AD managed identity and assign the identity to a new Azure Key Vault instance.
- C. Create a data encryption key (DEK) by using the Azure Cosmos DB SDK and store the key in Azure Cosmos DB.
- D. Create a new container to include an encryption policy with the JSON properties to be encrypted.

Answer: A

NEW QUESTION 277

- (Topic 8)

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

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

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

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

Answer: D

NEW QUESTION 282

DRAG DROP - (Topic 8)

You develop a gateway solution for a public facing news API.

The news API back end is implemented as a RESTful service and hosted in an Azure App Service instance.

You need to configure back-end authentication for the API Management service instance. Which target and gateway credential type should you use? To answer, drag the appropriate

values to the correct parameters. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.
NOTE:Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Azure Resource Box 2: Client cert
API Management allows to secure access to the back-end service of an API using client certificates.

NEW QUESTION 287

- (Topic 8)
You are a developing a SaaS application that stores data as key value pairs.
You must make multiple editions of the application available. In the lowest cost edition, the performance must be best-effort, and there is no regional failover.
In higher cos! editions customers must be able to select guaranteed performance and support for multiple regions. Azure costs must be minimized.
Which Azure Cosmos OB API should you use for the application?

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

Answer: C

NEW QUESTION 291

HOTSPOT - (Topic 8)
You are developing an Azure Web App. You configure TLS mutual authentication for the web app.
You need to validate the client certificate in the web app. To answer, select the appropriate options in the answer area.
NOTE:Each correct selection is worth one point.

Property	Value
Client certificate location	<div>▼</div> <div>HTTP request header</div> <div>Client cookie</div> <div>HTTP message body</div> <div>URL query string</div>
Encoding type	<div>▼</div> <div>HTML</div> <div>URL</div> <div>Unicode</div> <div>Base64</div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Accessing the client certificate from App Service.
If you are using ASP.NET and configure your app to use client certificate authentication, the certificate will be available through the HttpRequest.ClientCertificate property. For other application stacks, the client cert will be available in your app through a base64 encodedvalue in the "X-ARR-ClientCert" request header. Your application can create a certificate from this value and then use it for authentication and authorization purposes in your application.
References:
<https://docs.microsoft.com/en-us/azure/app-service/app-service-web-configure-tls-mutual-auth>

NEW QUESTION 294

DRAG DROP - (Topic 8)

You are deploying an Azure Kubernetes Services (AKS) cluster that will use multiple containers.

You need to create the cluster and verify that the services for the containers are configured correctly and available.

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

Command segments

az aks get-credentials

az appservice plan create

az aks create

az group create

kubectl apply

Answer Area



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: az group create

Create a resource group with the az group create command. An Azure resource group is a logical group in which Azure resources are deployed and managed.

Example: The following example creates a resource group named myAKSCluster in the eastus location.

az group create --name myAKSCluster --location eastus

Step 2 : az aks create

Use the az aks create command to create an AKS cluster.

Step 3: kubectl apply

To deploy your application, use the kubectl apply command. This command parses the manifest file and creates the defined Kubernetes objects.

Step 4: az aks get-credentials

Configure it with the credentials for the new AKS cluster. Example:

az aks get-credentials --name aks-cluster --resource-group aks-resource-group

References: <https://docs.bitnami.com/azure/get-started-aks/>

NEW QUESTION 298

HOTSPOT - (Topic 8)

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

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

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

NOTE: Each correct selection is worth one point.

```
cf = ChangeFeedClient("", "")
```

```
x = None
```

```
while True:
```

```
    change_feed = cf.
```

```
        for c in change_fee
```

```
            ProcessChanges(c)
```

```
                cf.list(x)
```

```
                by_page(x)
```

```
                ItemPaged(cf.list(x))
```

```
                list_changes(x).by_page()
```

```
                x = change_feed.
```

cf.list(x)

by_page(x)

ItemPaged(cf.list(x))

list_changes(x).by_page()

get_next

extract_data

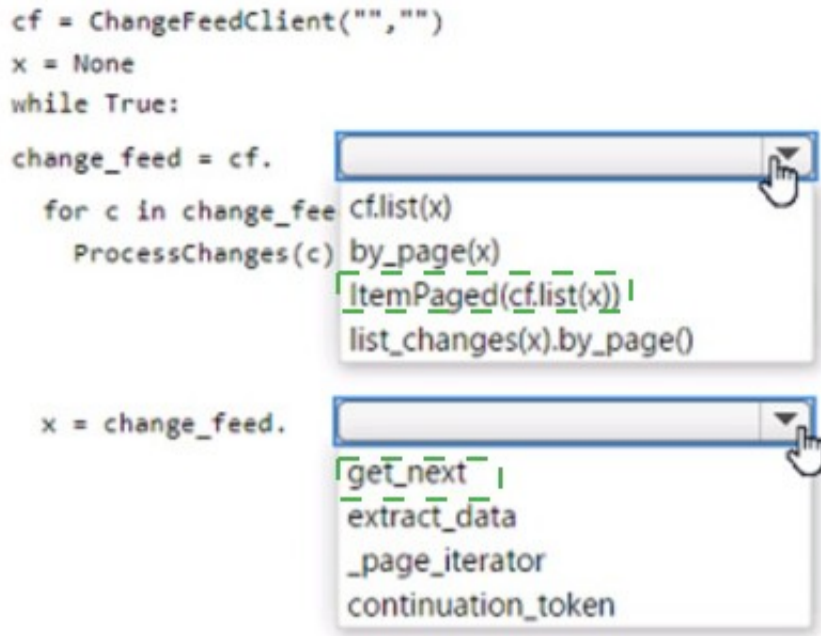
_page_iterator

continuation_token

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 301

- (Topic 8)

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

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

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

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

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

Answer: BC

Explanation:

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

Example:

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

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

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

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

NEW QUESTION 305

- (Topic 8)

You develop a gateway solution for a public facing news API. The news API back end is implemented as a RESTful service and uses an OpenAPI specification.

You need to ensure that you can access the news API by using an Azure API Management service instance.

Which Azure PowerShell command should you run?

- A. Import-AzureRmApiManagementApi -Context \$ApiMgmtContext -SpecificationFormat "Swagger" -SpecificationPath \$SwaggerPath -Path \$Path
- B. New-AzureRmApiManagementBackend -Context \$ApiMgmtContext -Url \$Url -Protocol http
- C. New-AzureRmApiManagement -ResourceGroupName \$ResourceGroup -Name \$Name -Location \$Location -Organization \$Org -AdminEmail \$AdminEmail
- D. New-AzureRmApiManagementBackendProxy -Url \$ApiUrl

Answer: D

Explanation:

New-AzureRmApiManagementBackendProxy creates a new Backend Proxy Object which can be piped when creating a new Backend entity.

Example: Create a Backend Proxy In-Memory Object

```
PS C:\>$secpassword = ConvertTo-SecureString "PlainTextPassword" -AsPlainText - Force
```

```
PS C:\>$proxyCreds = New-Object System.Management.Automation.PSCredential ("foo",
$secpassword)
```

```
PS C:\>$credential = New-AzureRmApiManagementBackendProxy -Url "http://12.168.1.1:8080" -ProxyCredential $proxyCreds
```

```
PS C:\>$apimContext = New-AzureRmApiManagementContext -ResourceGroupName "Api-Default-WestUS" -ServiceName "contoso"
```

```
PS C:\>$backend = New-AzureRmApiManagementBackend -Context $apimContext - BackendId 123 -Url 'https://contoso.com/awesomeapi' -Protocol http -Title
"first backend" - SkipCertificateChainValidation $true -Proxy $credential -Description "backend with proxy server"
```

Creates a Backend Proxy Object and sets up Backend

NEW QUESTION 310

DRAG DROP - (Topic 8)

Your company has several websites that use a company logo image. You use Azure Content Delivery Network (CDN) to store the static image.

You need to determine the correct process of how the CDN and the Point of Presence (POP) server will distribute the image and list the items in the correct order. In which order do the actions occur? To answer, move all actions from the list of actions to the answer area and arrange them in the correct order.

Actions

A user requests the image from the CDN URL. The DNS routes the request to the best performing POP location.

Subsequent requests for the file may be directed to the same POP using the CDN logo image URL. The POP edge server returns the files from cache if the TTL has not expired.

If no edge servers in the POP have the image in cache, the POP requests the file from the origin server.

The origin server returns the logo image to an edge server in the POP. An edge server in the POP caches the logo image and returns the image to the client.

Answer Area

⏪

⏩

⏴

⏵

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: A user requests the image..
A user requests a file (also called an asset) by using a URL with a special domain name, such as <endpoint name>.azureedge.net. This name can be an endpoint hostname or a custom domain. The DNS routes the request to the best performing POP location, which is usually the POP that is geographically closest to the user.

Step 2: If no edge servers in the POP have the..
If no edge servers in the POP have the file in their cache, the POP requests the file from the origin server. The origin server can be an Azure Web App, Azure Cloud Service, Azure Storage account, or any publicly accessible web server.

Step 3: The origin server returns the..
The origin server returns the file to an edge server in the POP.
An edge server in the POP caches the file and returns the file to the original requestor (Alice). The file remains cached on the edge server in the POP until the time-to-live (TTL) specified by its HTTP headers expires. If the origin server didn't specify a TTL, the default TTL is seven days.

Step 4: Subsequent requests for..
Additional users can then request the same file by using the same URL that the original user used, and can also be directed to the same POP.
If the TTL for the file hasn't expired, the POP edge server returns the file directly from the cache. This process results in a faster, more responsive user experience.

References:
<https://docs.microsoft.com/en-us/azure/cdn/cdn-overview>

NEW QUESTION 315

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