

AZ-204 Dumps

Developing Solutions for Microsoft Azure

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



NEW QUESTION 1

- (Topic 8)

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

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

Answer: D

NEW QUESTION 2

- (Topic 8)

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 3

HOTSPOT - (Topic 8)

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

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

- ? Retain copies of data for five years.
- ? Minimize costs associated with storing data that is over one year old.
- ? Implement Zone Redundant Storage for application data.

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

NOTE:Each correct selection is worth one point.

Requirement	Solution
Configure an Azure Storage account	<div style="border: 1px solid black; padding: 5px;"> <div style="border-bottom: 1px solid black; margin-bottom: 5px;">▼</div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;">Implement Blob Storage</div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;">Implement Azure Cosmos DB</div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;">Implement Storage (general purpose v1)</div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;">Implement StorageV2 (general purpose v2)</div> </div>
Configure data retention	<div style="border: 1px solid black; padding: 5px;"> <div style="border-bottom: 1px solid black; margin-bottom: 5px;">▼</div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;">Snapshot blobs and move them to the archive tier</div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;">Set a lifecycle management policy to move blobs to the cool tier</div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;">Use AzCopy to copy the data to an on-premises device for backup</div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;">Set a lifecycle management policy to move blobs to the archive tier</div> </div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Requirement	Solution
Configure an Azure Storage account	<ul style="list-style-type: none"> Implement Blob Storage Implement Azure Cosmos DB Implement Storage (general purpose v1) Implement StorageV2 (general purpose v2)
Configure data retention	<ul style="list-style-type: none"> Snapshot blobs and move them to the archive tier Set a lifecycle management policy to move blobs to the cool tier Use AzCopy to copy the data to an on-premises device for backup Set a lifecycle management policy to move blobs to the archive tier

NEW QUESTION 4

HOTSPOT - (Topic 8)

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

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

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

You need to configure the SearchParameters class.

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

NOTE Each correct selection is worth one point.

Scenario	Property
Search the index by using regular expressions.	<ul style="list-style-type: none"> QueryType OrderBy SearchMode
Organize results by counts for name-value pairs.	<ul style="list-style-type: none"> Facets Filter SearchMode
List hotels within a specified distance to an airport and that fall within a specific price range.	<ul style="list-style-type: none"> Order by Top Filter

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: QueryType

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

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

Box 2: Facets

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

Box 3: Filter

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

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

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

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

NEW QUESTION 5

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

NEW QUESTION 7

- (Topic 8)

You are developing an Azure messaging solution.

You need to ensure that the solution that meets the following requirements:

- Provide transactional support
- Provide duplicate detection.
- Store the messages for an unlimited period of time

Which two technologies will meet the requirements? Each correct answer presents a complete solution NOTE Each correct selection is worth one point.

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

Answer: AC

Explanation:

The Azure Service Bus Queue and Topic has duplicate detection.

Enabling duplicate detection helps keep track of the application-controlled MessageId of all messages sent into a queue or topic during a specified time window.

Reference:

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

NEW QUESTION 8

- (Topic 8)

You are developing an application that uses Azure Blob storage.

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

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

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

Answer: B

Explanation:

Change feed support in Azure Blob Storage

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

Reference:

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

NEW QUESTION 9

- (Topic 8)

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

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

You need to meet the requirement.

Which two operations you prevent?

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

Answer: AC

NEW QUESTION 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 (POS) device data from 2,000 stores located throughout the world. A single device can produce 2 megabytes (MB) of data every 24 hours. Each store location has one to five devices that send data.

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

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

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

Does the solution meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

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

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

NEW QUESTION 10

HOTSPOT - (Topic 8)

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

The website has the following authentication requirements:

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

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

NOTE: Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: groupMembershipClaims

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

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

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

Box 2: oauth2AllowImplicitFlow

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

oauth2Permissions can only accept collections value like an array, not a boolean. oauth2AllowImplicitFlow accepts boolean value.

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

NEW QUESTION 15

- (Topic 8)

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

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

Solution:

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

Does the solution meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

To configure Manifest to include Group Claims in Auth Token

- * 1. Go to Azure Active Directory to configure the Manifest. Click on Azure Active Directory, and go to App registrations to find your application:
 - * 2. Click on your application (or search for it if you have a lot of apps) and edit the Manifest by clicking on it.
 - * 3. Locate the "groupMembershipClaims" setting. Set its value to either "SecurityGroup" or "All". To help you decide which:
 - "SecurityGroup" - groups claim will contain the identifiers of all security groups of which the user is a member.
 - "All" - groups claim will contain the identifiers of all security groups and all distribution lists of which the user is a member
- Now your application will include group claims in your manifest and you can use this fact in your code.
References:
<https://blogs.msdn.microsoft.com/waws/2017/03/13/azure-app-service-authentication-aad-groups/>

NEW QUESTION 19

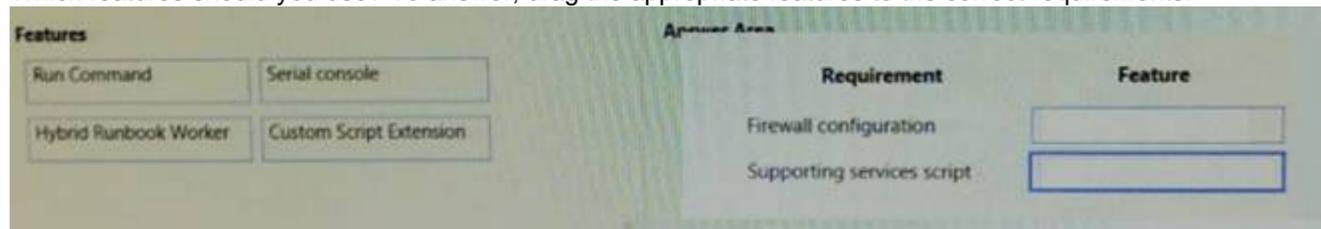
DRAG DROP - (Topic 8)

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.

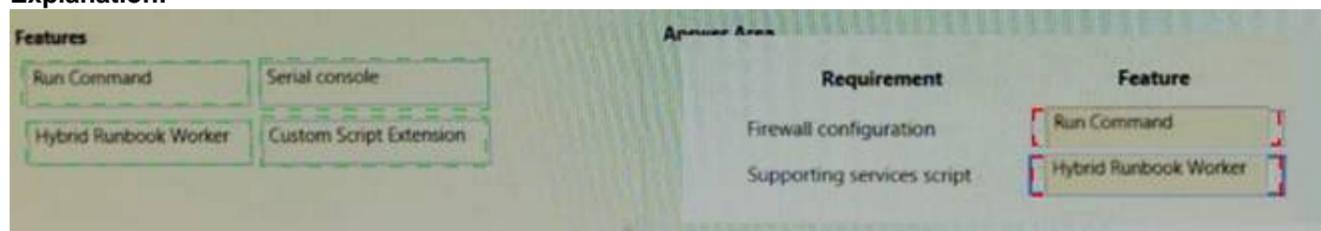
Which features should you use? To answer, drag the appropriate features to the correct requirements.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 24

HOTSPOT - (Topic 8)

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

- Each instance of the WebJob processes data for a single customer and must run as a singleton instance.
- Each deployment must be tested by using deployment slots prior to serving production data.
- Azure costs must be minimized.
- Azure resources must be located in an isolated network. You need to configure the App Service plan for the Web App.

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

NOTE: Each correct selection is worth one point.

App service plan setting

Value

Number of VM instances

▼
2
4
8
16

Pricing tier

▼
Isolated
Standard
Premium
Consumption

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Number of VM instances: 4

You are not charged extra for deployment slots.

Pricing tier: Isolated

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

References:

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

NEW QUESTION 28

- (Topic 8)

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

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

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

Solution: Provision an Azure Event Grid. Configure 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 31

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

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 32

- (Topic 8)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this question, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
Margie's Travel is an international travel and bookings management service. The company is expanding into restaurant bookings. You are tasked with implementing Azure Search for the restaurants listed in their solution.
You create the index in Azure Search.
You need to import the restaurant data into the Azure Search service by using the Azure Search .NET SDK.
Solution:
* 1. Create a SearchIndexClient object to connect to the search index.
* 2. Create a DataContainer that contains the documents which must be added.
* 3. Create a DataSource instance and set its Container property to the DataContainer.
* 4. Call the Documents.Suggest method of the SearchIndexClient and pass the DataSource.
Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Use the following method:
* 1.- Create a SearchIndexClient object to connect to the search index
* 2.- Create an IndexBatch that contains the documents which must be added.
* 3.- Call the Documents.Index method of the SearchIndexClient and pass the IndexBatch.
References:
<https://docs.microsoft.com/en-us/azure/search/search-howto-dotnet-sdk>

NEW QUESTION 34

- (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 37

DRAG DROP - (Topic 8)
You develop software solutions for a mobile delivery service. You are developing a mobile app that users can use to order from a restaurant in their area. The app uses the following workflow:
* 1. A driver selects the restaurants for which they will deliver orders.
* 2. Orders are sent to all available drivers in an area.
* 3. Only orders for the selected restaurants will appear for the driver.
* 4. The first driver to accept an order removes it from the list of available orders.
You need to implement an Azure Service Bus solution.
Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions	Answer area
Create a Service Bus topic for each restaurant for which a driver can receive messages.	
Create a single Service Bus topic.	
Create a single Service Bus subscription.	
Create a single Service Bus Namespace.	
Create a Service Bus Namespace for each restaurant for which a driver can receive messages.	
Create a Service Bus subscription for each restaurant for which a driver can receive orders.	

>
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⬇

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 40

- (Topic 8)

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

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

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

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

Answer: A

NEW QUESTION 44

- (Topic 8)

You deploy an API to API Management

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

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

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

Answer: BC

NEW QUESTION 45

HOTSPOT - (Topic 8)

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

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

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

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

You need to implement the solution.

NOTE: Each correct selection is worth one point.

Answer Area

Requirement	Solution
Search and filter by customer identifier.	<input type="text" value="Azure Cognitive Search"/> <input type="text" value="Azure Blob index tags"/> <input type="text" value="Azure Blob inventory policy"/> <input type="text" value="Azure Blob metadata"/>
Search information inside documents.	<input type="text" value="Azure Cognitive Search"/> <input type="text" value="Azure Blob index tags"/> <input type="text" value="Azure Blob inventory policy"/> <input type="text" value="Azure Blob metadata"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

Azure Cognitive Search: Search inside documents

NEW QUESTION 50

HOTSPOT - (Topic 8)

You are developing an application that uses a premium block blob storage account. You are optimizing costs by automating Azure Blob Storage access tiers.

You apply the following policy rules to the storage account. You must determine the implications of applying the rules to the data. (Line numbers are included for

reference only.)

```

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

```

Answer Area

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

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

NEW QUESTION 51

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Azure Powershell

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

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

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

Box 2: Azure Blob Storage References:

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

NEW QUESTION 55

DRAG DROP - (Topic 8)

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

information.

You develop the following code:

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

You define a role named SysAdmin.

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

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

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

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

NOTE:Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1:

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

Box 2:

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

NEW QUESTION 60

- (Topic 8)

You are developing a web application that uses the Microsoft identity platform to authenticate users and resources, The web application calls several REST APIs. The APIs require an access token from the Microsoft identity platform. You need to request a token.

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

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

Answer: ABC

NEW QUESTION 62

HOTSPOT - (Topic 8)

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

```

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

```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Statement	Yes	No
The code creates an infinite lease	<input type="radio"/>	<input type="radio"/>
The code at line 06 always creates a new blob	<input type="radio"/>	<input type="radio"/>
The finally block releases the lease	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Yes

AcquireLeaseAsync does not specify leaseTime.

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

Box 2: No

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

Box 3: Yes

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

NEW QUESTION 66

- (Topic 8)

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

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

You need to configure Azure Cosmos DB.

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

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

Answer: BD

NEW QUESTION 69

HOTSPOT - (Topic 8)

You are working for Contoso, Ltd.

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

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

For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Yes

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

Box 2: No

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

Box 3: No

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

NEW QUESTION 73

DRAG DROP - (Topic 8)

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

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

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

You need to implement the policy fragment.

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

NOTE: Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 75

- (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 76

DRAG DROP - (Topic 8)

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

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

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

Powershell commands

Answer Area

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

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

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

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

```
Get-AzSubscription
```



A. Mastered

B. Not Mastered

Answer: A

Explanation:

Step 1: Get-AzSubscription

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

Step 2: Set-AzContext -SubscriptionId

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

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

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

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

\$secretvalue

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

Step 5: Get-AzKeyVaultSecret

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

Get-AzKeyVaultSecret -VaultName <vaultName>

NEW QUESTION 80

DRAG DROP - (Topic 8)

You have an application that provides weather forecasting data to external partners. You use Azure API Management to publish APIs. You must change the behavior of the API to meet the following requirements:

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

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

NOTE: Each correct selection is worth one point.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 81

- (Topic 8)

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

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

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

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

Answer: C

Explanation:

Use Key Vault references for App Service and Azure Functions.

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

Reference:

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

NEW QUESTION 85

- (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 90

- (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.

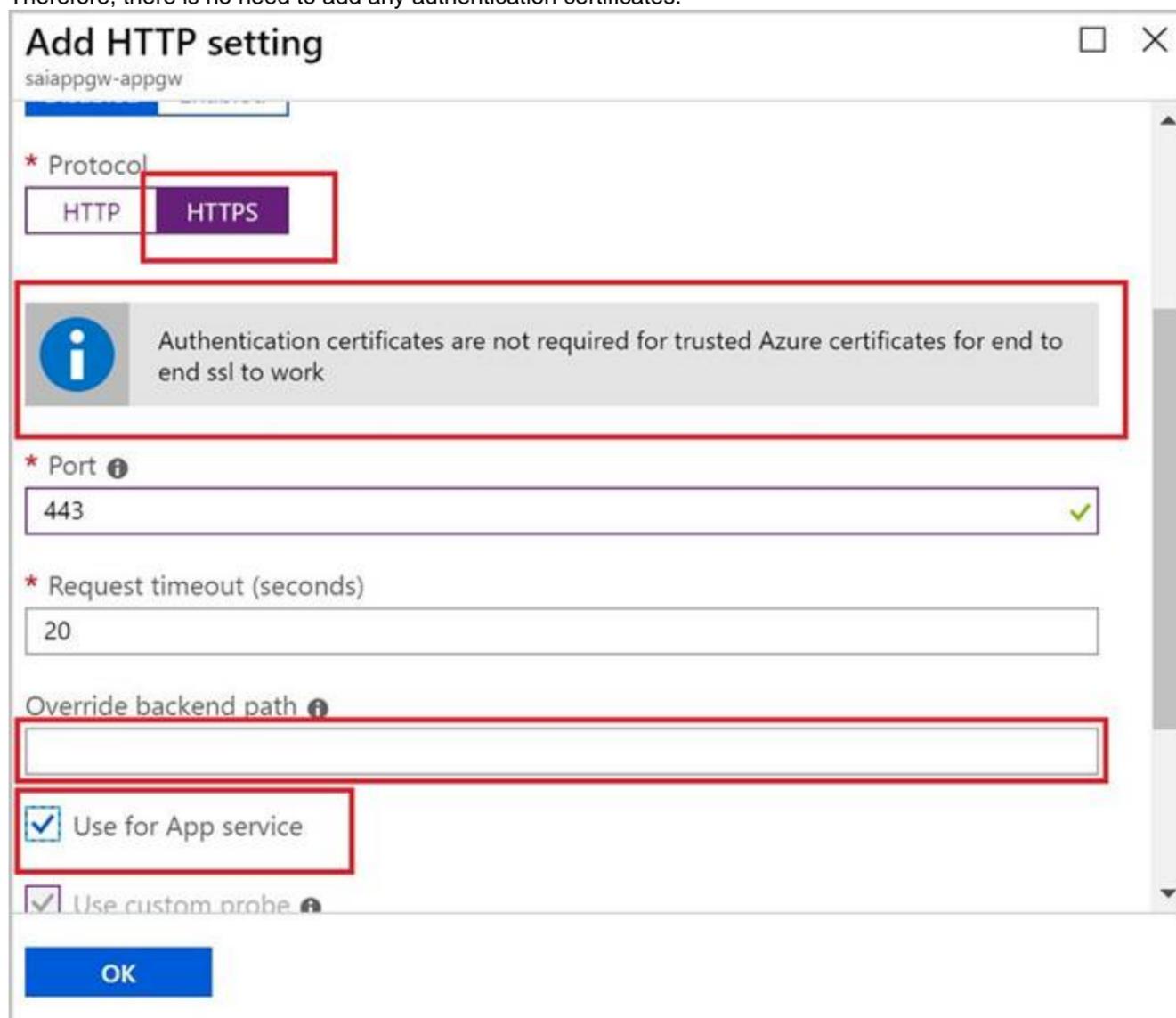
The ability to derive the host name from the IP or FQDN of the back-end pool members.

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 95

- (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 96

DRAG DROP - (Topic 8)

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

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

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

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

Home > New > Application Insights >

Application Insights

Monitor web app performance and usage

Basics Tags Review + create

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

PROJECT DETAILS

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

Subscription *

Resource Group * [Create new](#)

INSTANCE DETAILS

Name *

Region *

Resource Mode * Classic Workspace-based

WORKSPACE DETAILS

Subscription *

Log Analytics Workspace *

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Step 2: Add a VMInsights solution.

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

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

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

Step 4: Create an Application Insights resource

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

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

NEW QUESTION 101

HOTSPOT - (Topic 8)

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

You have the following requirements:

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

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

```

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

```

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

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

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

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

NOTE: Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Yes

Code for CosmosDB, example:

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

Box 2: No

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

Box 3: No

No partition key is used. Box 4: Yes

References:

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

NEW QUESTION 103

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 106

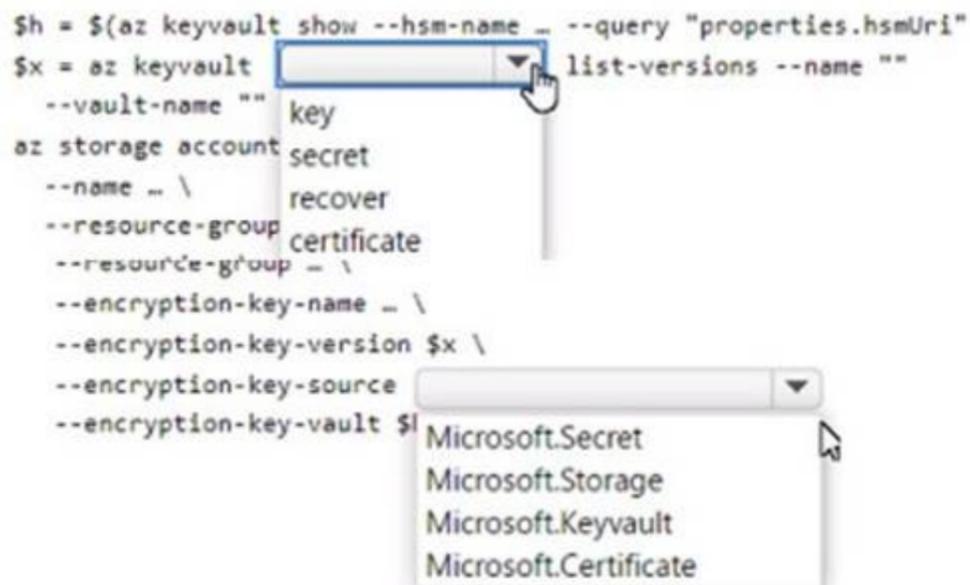
HOTSPOT - (Topic 8)

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

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

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

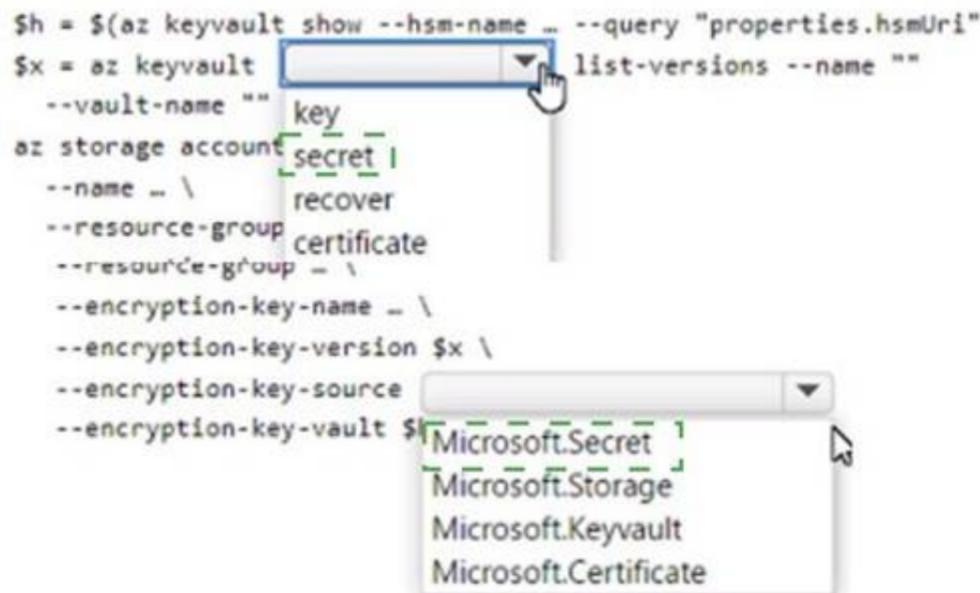
NOTE: Each correct selection is worth one point.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 109

- (Topic 8)

You are developing an Azure Function App that processes images that are uploaded to an Azure Blob container.

Images must be processed as quickly as possible after they are uploaded, and the solution must minimize latency. You create code to process images when the Function App is triggered.

You need to configure the Function App. What should you do?

- A. Use an App Service plan
- B. Configure the Function App to use an Azure Blob Storage input trigger.
- C. Use a Consumption plan
- D. Configure the Function App to use an Azure Blob Storage trigger.
- E. Use a Consumption plan
- F. Configure the Function App to use a Timer trigger.
- G. Use an App Service plan
- H. Configure the Function App to use an Azure Blob Storage trigger.
- I. Use a Consumption plan
- J. Configure the Function App to use an Azure Blob Storage input trigger.

Answer: B

Explanation:

The Blob storage trigger starts a function when a new or updated blob is detected. The blob contents are provided as input to the function.

The Consumption plan limits a function app on one virtual machine (VM) to 1.5 GB of memory.

Reference:

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

NEW QUESTION 114

DRAG DROP - (Topic 8)

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

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

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

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

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

NOTE: Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Soft delete

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

Box 2: Purge protection

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

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

NEW QUESTION 116

- (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 messages until they can be processed. You create an Azure Service Bus instance by providing a name, pricing tier, subscription, resource group, and location.

You need to complete the configuration.

Which Azure CLI or PowerShell command should you run?

- A. `az servicebus namespace create --resource-group fridge-rg --name fridge-ns --location fridge-loc`
- B. `az servicebus queue create --resource-group fridge-rg --namespace-name fridge-ns --name fridge-q`
- C. `connectionString=$(az servicebus namespace authorization-rule keys list --resource-group fridge-rg --fridge-ns fridge-ns --name RootManageSharedAccessKey --query primaryConnectionString --output tsv)`
- D. `az group create --name fridge-rg --location fridge-log`

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

Answer: B

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)
```

References:

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

NEW QUESTION 119

HOTSPOT - (Topic 8)

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

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

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

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

NOTE: Each correct selection is worth one point.

Authentication	Option
Registry authentication method	<div style="border: 1px solid gray; padding: 5px;"> <div style="text-align: right; border-bottom: 1px solid gray;">▼</div> <div style="padding: 2px 5px;">Service principal</div> <div style="padding: 2px 5px;">Individual identity</div> <div style="padding: 2px 5px;">Repository-scoped access token</div> <div style="padding: 2px 5px;">Managed identity for Azure resources</div> </div>
RBAC role	<div style="border: 1px solid gray; padding: 5px;"> <div style="text-align: right; border-bottom: 1px solid gray;">▼</div> <div style="padding: 2px 5px;">AcrPull</div> <div style="padding: 2px 5px;">Owner</div> <div style="padding: 2px 5px;">AcrPush</div> <div style="padding: 2px 5px;">Contributor</div> </div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Service principal

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

Box 2: AcrPush

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

NEW QUESTION 122

- (Topic 8)

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

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

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

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

Answer: C

NEW QUESTION 127

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.	<input type="text" value="ID"/> <ul style="list-style-type: none"> Access ID Refresh SAML
Provide XML representations of claims that can be consumed by applications that use WS-Federation.	<input type="text" value="Access"/> <ul style="list-style-type: none"> Access ID Refresh SAML
Provide the web application with long-term access to resources on behalf of users without requiring interaction with those users.	<input type="text" value="Refresh"/> <ul style="list-style-type: none"> Access ID Refresh SAML
Provide XML representations of claims that can be consumed by applications that use WS-Federation.	<input type="text" value="SAML"/> <ul style="list-style-type: none"> Access ID Refresh SAML

- 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.	<input type="text" value="ID"/> <ul style="list-style-type: none"> Access ID Refresh SAML
Provide XML representations of claims that can be consumed by applications that use WS-Federation.	<input type="text" value="Access"/> <ul style="list-style-type: none"> Access ID Refresh SAML
Provide the web application with long-term access to resources on behalf of users without requiring interaction with those users.	<input type="text" value="Refresh"/> <ul style="list-style-type: none"> Access ID Refresh SAML
Provide XML representations of claims that can be consumed by applications that use WS-Federation.	<input type="text" value="SAML"/> <ul style="list-style-type: none"> Access ID Refresh SAML

NEW QUESTION 132

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 137

- (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 138

- (Topic 8)

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

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

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

The app continues to time out after four minutes. The app must process the blob data. You need to ensure the app does not time out and processes the blob data.
Solution: Configure the app to use an App Service hosting plan and enable the Always On setting.
Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

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

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

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

Reference:

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

NEW QUESTION 143

- (Topic 8)

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

The company has the following requirements:

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

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

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

Answer: D

Explanation:

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

Reference:

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

NEW QUESTION 145

DRAG DROP - (Topic 8)

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

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

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

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

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 150

- (Topic 8)

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

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

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

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

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

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

Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

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

References:

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

NEW QUESTION 155

- (Topic 8)

D18912E1457D5D1DDCBD40AB3BF70D5D

You are building a website that uses Azure Blob storage for data storage. You configure Azure Blob storage lifecycle to move all blobs to the archive tier after 30 days.

Customers have requested a service-level agreement (SLA) for viewing data older than 30 days.

You need to document the minimum SLA for data recovery. Which SLA should you use?

- A. at least two days
- B. between one and 15 hours
- C. at least one day
- D. between zero and 60 minutes

Answer: B

Explanation:

The archive access tier has the lowest storage cost. But it has higher data retrieval costs compared to the hot and cool tiers. Data in the archive tier can take several hours to retrieve depending on the priority of the rehydration. For small objects, a high priority rehydrate may retrieve the object from archive in under 1 hour.

Reference:

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-storage-tiers?tabs=azure-portal>

NEW QUESTION 156

- (Topic 8)

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

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

You need to prevent the exception. What should you do?

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

Answer: A

Explanation:

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

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

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

Reference:

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

NEW QUESTION 161

DRAG DROP - (Topic 8)

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

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

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

Actions	Answer area
Encrypt the on-premises VHD by using BitLocker without a TPM. Upload the VM to Azure Storage.	
Run the Azure PowerShell command <code>Set-AzureRmVMDiskEncryptionExtension</code> .	
Run the Azure PowerShell command <code>Set-AzureRmVMOsdisk</code> .	
Encrypt the on-premises VHD by using BitLocker with a TPM. Upload the VM to Azure Storage.	
Run the Azure PowerShell command <code>New-AzureRmVM</code> .	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

Step 2: Run the Azure PowerShell command `Set-AzureRmVMOsdisk`

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

Example:

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

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

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

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

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

Incorrect:

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

References:

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

NEW QUESTION 166

- (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 evicts 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`: evicts 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 170

- (Topic 8)

You have an Azure App Services Web App. Azure SQL Database instance. Azure Storage Account and an Azure Redis Cache instance in a resource group.

A developer must be able to publish code to the web app. You must grant the developer the `Contributor` role to the web app

You need to grant the role.

What two commands can you use? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

- A. `New-AzureRmRoleAssignment`
- B. `az role assignment create`
- C. `az role definition create`
- D. `New-AzureRmRoleDefinition`

Answer: AB

Explanation:

References:

<https://docs.microsoft.com/en-us/cli/azure/role/assignment?view=azure-cli-latest#az-role-assignment-create>

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

NEW QUESTION 172

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 173

- (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 176

- (Topic 8)

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

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

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

- A. DocumentDB Accounts Contributor

- B. Cosmos Backup Operator
- C. Cosmos DB Operator
- D. Cosmos DB Account Reader

Answer: C

Explanation:

Azure Cosmos DB now provides a new RBAC role, Cosmos DB Operator. This new role lets you provision Azure Cosmos accounts, databases, and containers, but can't access the keys that are required to access the data. This role is intended for use in scenarios where the ability to grant access to Azure Active Directory service principals to manage deployment operations for Cosmos DB is needed, including the account, database, and containers.

Reference:

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

NEW QUESTION 179

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 181

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

Which pages visited by users most often correlate to a product purchase?

How does load time of the product display page affect a user's decision to purchase a product?

Which events most influence a user's decision to continue to use the application?

Are there places in the application that users often perform repetitive actions?

Feature

- 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 185

HOTSPOT - (Topic 8)

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

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

You need to configure the API method calls.

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

NOTE: Each correct selection is worth one point.

Code segment

Value

Attribute

▼
Authorize
AllowAnonymous
AutoValidateAntiforgeryToken

Request Header

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Authorize

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

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

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

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

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

References:

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

NEW QUESTION 190

- (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 192

HOTSPOT - (Topic 8)

You develop two Python scripts to process data.

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

You need to configure the Azure Container Instance.

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

NOTE: Each correct selection is worth one point.

Answer Area

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Configuration Setting	Configuration Value
External data volume	<div style="border: 1px solid gray; padding: 5px;"> <div style="text-align: right; border-bottom: 1px solid gray;">▼</div> <p>Secret</p> <p>Empty directory</p> <p>Cloned git repo</p> <p style="border: 2px dashed green;">Azure file share !</p> </div>
Container restart policy	<div style="border: 1px solid gray; padding: 5px;"> <div style="text-align: right; border-bottom: 1px solid gray;">▼</div> <p style="border: 2px dashed green;">Never !</p> <p>Always</p> <p>OnFailure</p> </div>

NEW QUESTION 197

HOTSPOT - (Topic 8)

An organization deploys a blob storage account. Users take multiple snapshots of the blob storage account over time. You need to delete all snapshots of the blob storage account. You must not delete the blob storage account itself. How should you complete the code segment? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

```

Delete (Azure.Storage.Blobs.Models.DeleteSnapshotsOption
snapshotsOption = Azure.Storage.Blobs.Models.
    
```

▼

DeleteSnapshotsOption

DeleteIfExists

DeleteSnapshotsOption

WithSnapshot

WithSnapshotCore

▼

OnlySnapshots

IncludeSnapshots

None

OnlySnapshots

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area



NEW QUESTION 200

DRAG DROP - (Topic 8)

You are developing a web service that will run on Azure virtual machines that use Azure Storage. You configure all virtual machines to use managed identities. You have the following requirements:

- ? Secret-based authentication mechanisms are not permitted for accessing an Azure Storage account.
- ? Must use only Azure Instance Metadata Service endpoints.

You need to write code to retrieve an access token to access Azure Storage. To answer, drag the appropriate code segments to the correct locations. Each code segment may be used once or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE:Each correct selection is worth one point.

Code segment 1

- `http://localhost:50342/oauth2/token`
- `http://169.254.169.254:50432/oauth2/token`
- `http://localhost/metadata/identity/oauth2/token`
- `http://169.254.169.254/metadata/identity/oauth2/token`

Code segment 2

- `XDocument.Parse(payload);`
- `new MultipartContent(payload);`
- `new NetworkCredential("Azure", payload);`
- `JsonConvert.DeserializeObject<Dictionary<string, string>>(payload);`

Answer Area

```
var url = " Code segment 1 ";
var queryString = "...";
var client = new HttpClient();
var response = await client.GetAsync(url + queryString);
var payload = await response.Content.ReadAsStringAsync();
return Code segment 2
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Azure Instance Metadata Service endpoints "/oauth2/token" Box 1: `http://169.254.169.254/metadata/identity/oauth2/token`
Sample request using the Azure Instance Metadata Service (IMDS) endpoint (recommended):
GET 'http://169.254.169.254/metadata/identity/oauth2/token?api-version=2018-02-01&resource=https://management.azure.com/' HTTP/1.1 Metadata: true
Box 2: `JsonConvert.DeserializeObject<Dictionary<string,string>>(payload);` Deserialized token response; returning access code.

NEW QUESTION 201

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

- Azure Resource
- HTTP(s) endpoint
- Basic
- Client cert

Answer Area

Configuration parameter

Value

Target

Gateway credentials

- 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 206

- (Topic 8)

You are 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 cost editions customers must be able to select guaranteed performance and support for multiple regions. Azure costs must be minimized.

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

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

Answer: C

NEW QUESTION 210

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 style="border: 1px solid black; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="padding: 2px;"> <p>HTTP request header</p> <p>Client cookie</p> <p>HTTP message body</p> <p>URL query string</p> </div> </div>
Encoding type	<div style="border: 1px solid black; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="padding: 2px;"> <p>HTML</p> <p>URL</p> <p>Unicode</p> <p>Base64</p> </div> </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 encoded value 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 214

DRAG DROP - (Topic 8)

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

Fourth Coffee is migrating this application to Azure.

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

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

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

Azure CLI commands

Answer area

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

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

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

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



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: #bin/bash

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

Step 2: az webapp config hostname add

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

Step 3: az webapp create

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

Step : az webapp config container set

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

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

References:

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

NEW QUESTION 215

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.
```

get_next

extract_data

_page_iterator

continuation_token

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

```

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

```

NEW QUESTION 220

HOTSPOT - (Topic 8)

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

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

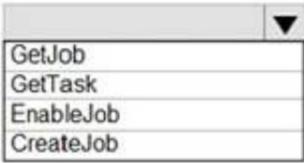
You must ensure that converted files are placed in the container referenced by the outputContainerSasUrl parameter. Files which fail to convert are places in the container referenced by the failedContainerSasUrl parameter.

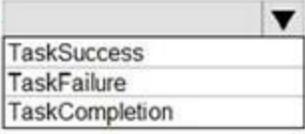
You need to ensure the files are correctly processed.

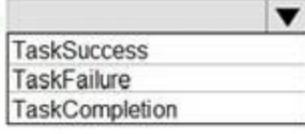
How should you complete the code segment? To answer, select the appropriate options in the answer area.

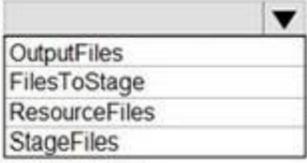
NOTE: Each correct selection is worth one point.

Answer Area

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

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

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

            task.  =outputFileList;

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: CreateJob

Box 2: TaskSuccess

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

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

Box 3: TaskFailure

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

Box 4: OutputFiles

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

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

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

NEW QUESTION 222

- (Topic 8)

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

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

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

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

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

Solution: Provision an Azure Notification Hub. Register all devices with the hub. 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.

Reference:

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

NEW QUESTION 227

DRAG DROP - (Topic 8)

You are developing an Azure solution to collect inventory data from thousands of stores located around the world. Each store location will send the inventory data hourly to an Azure Blob storage account for processing.

The solution must meet the following requirements:

- ? Begin processing when data is saved to Azure Blob storage.
- ? Filter data based on store location information.
- ? Trigger an Azure Logic App to process the data for output to Azure Cosmos DB.
- ? Enable high availability and geographic distribution.
- ? Allow 24-hours for retries.
- ? Implement an exponential back off data processing.

You need to configure the solution.

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

NOTE:Each correct selection is worth one point.

Technologies	Answer Area
Azure Event Hub	Object: Event Source, Technology: Technology
Azure Event Grid	Object: Event Receiver, Technology: Technology
Azure Service Bus	Object: Event Handler, Technology: Technology
Azure Blob Storage	
Azure App Service	
Azure Logic App	

- A. Mastered
- B. Not Mastered

Answer: A

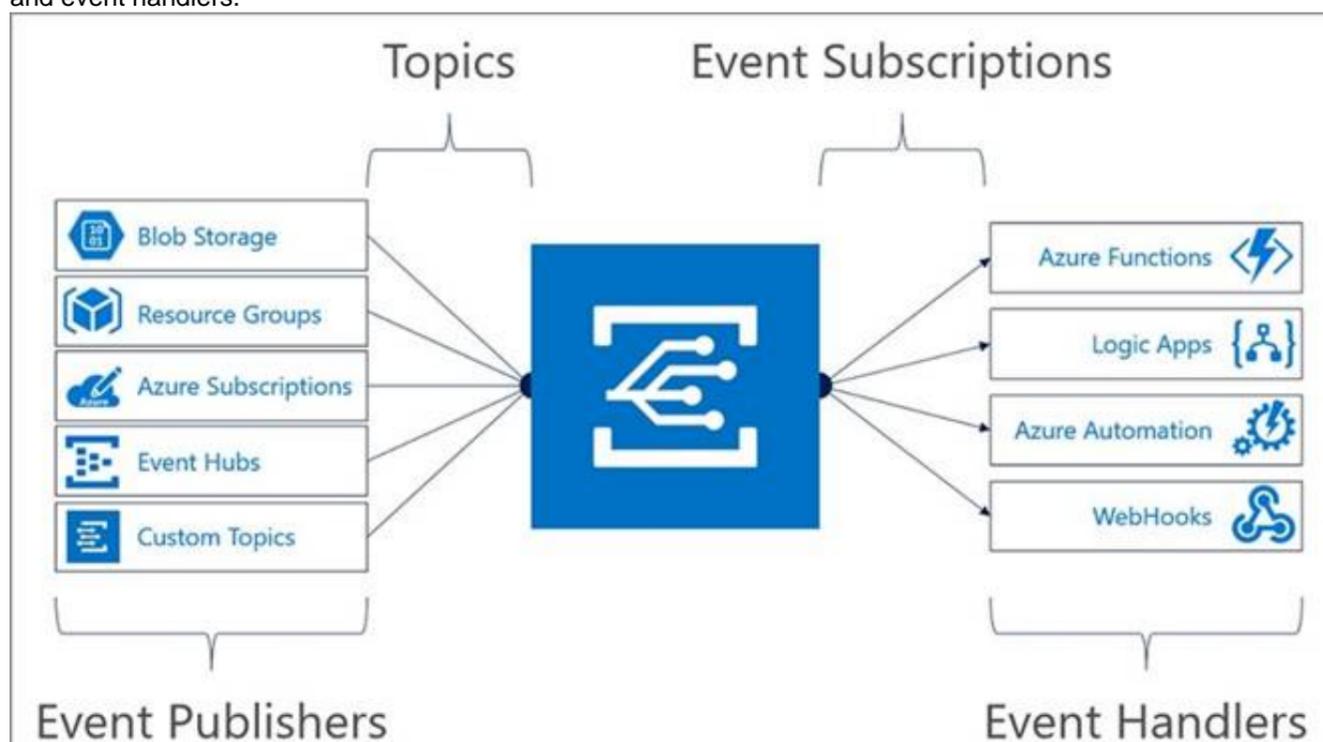
Explanation:

Box 1: Azure Event Grid

Blob storage events are pushed using Azure Event Grid to subscribers such as Azure Functions, Azure Logic Apps, or even to your own http listener. Event Grid provides reliable event delivery to your applications through rich retry policies and dead-lettering.

Box 2: Azure Service Bus

Event Grid uses event subscriptions to route event messages to subscribers. This image illustrates the relationship between event publishers, event subscriptions, and event handlers.



Diagram

Description automatically generated

Box 3: Azure Service Bus

The Event Grid service doesn't store events. Instead, events are stored in the Event Handlers, including ServiceBus, EventHubs, Storage Queue, WebHook endpoint, or many other supported Azure Services.

NEW QUESTION 230

- (Topic 8)

You are developing a user portal for a company.

You need to create a report for the portal that lists information about employees who are subject matter experts for a specific topic. You must ensure that administrators have full control and cosent over the data.

Which technology should you use?

- A. Microsoft Graph connectors
- B. Microosft graph API
- C. Microsoft Graph data connect

Answer: C

NEW QUESTION 235

HOTSPOT - (Topic 8)

You are developing an Azure Durable Function based application that processes a list of input values. The application is monitored using a console application that retrieves JSON data from an Azure Function diagnostic endpoint.

During processing a single instance of invalid input does not cause the function to fail. Invalid input must be available to the monitoring application.

You need to implement the Azure Durable Function and the monitoring console application. How should you complete the code segments? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

```
[FunctionName("App")]
public static async Task<List<string>> RunOrchestrator(
    [OrchestrationTrigger] IDurableOrchestrationContext context) {
    EntityId[] input = . . .
    int errIndex = . . .

    await context.CallEntityAsync(input[errIndex], "error") ;
}
context.SetOutput(input[errIndex])
context.SetCustomStatus(input[errIndex])
context.SignalEntity(input[errIndex], "error")
await context.CallEntityAsync(input[errIndex], "error")

}
using (var client = new HttpClient())
{
    while (true)
    {
        var response = await client.GetAsync(". . .");
        response.EnsureSuccessStatusCode();
        var json = await response.Content.ReadAsStringAsync();
        dynamic result = JsonConvert.DeserializeObject(json);
        if (result.runtimeStatus == "Failed")
        {

```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

```
[FunctionName("App")]
public static async Task<List<string>> RunOrchestrator(
    [OrchestrationTrigger] IDurableOrchestrationContext context) {
    EntityId[] input = . . .
    int errIndex = . . .

    await context.CallEntityAsync(input[errIndex], "error");
    context.SetOutput(input[errIndex]);
    context.SetCustomStatus(input[errIndex]);
    context.SignalEntity(input[errIndex], "error");
    await context.CallEntityAsync(input[errIndex], "error");
}

using (var client = new HttpClient())
{
    while (true)
    {
        var response = await client.GetAsync(". . .");
        response.EnsureSuccessStatusCode();
        var json = await response.Content.ReadAsStringAsync();
        dynamic result = JsonConvert.DeserializeObject(json);
        if (result.runtimeStatus == "Failed")
        {
            // ...
        }
    }
}
```

NEW QUESTION 238

- (Topic 8)

You are writing code to create and run an Azure Batch job. You have created a pool of compute nodes. You need to choose the right class and its method to submit a batch job to the Batch service. Which method should you use?

- A. JobOperations.CreateJobO
- B. CloudJob.Enable(IEnumerable<BatchClientBehavior>)
- C. CloudJob.CommitAsync(IEnumerable<BatchClientBehavior>, CancellationToken)
- D. JobOperations.EnableJob(String, IEnumerable<BatchClientBehavior>)
- E. JobOperations.EnableJobAsync(String, IEnumerable<BatchClientBehavior>, CancellationToken)
- F. JobOperations.EnableJobAsync(String, IEnumerable<BatchClientBehavior>, CancellationToken)

Answer: C

Explanation:

A Batch job is a logical grouping of one or more tasks. A job includes settings common to the tasks, such as priority and the pool to run tasks on. The app uses the BatchClient.JobOperations.CreateJob method to create a job on your pool. The Commit method submits the job to the Batch service. Initially the job has no tasks.

```
{
    CloudJob job = batchClient.JobOperations.CreateJob(); job.Id = jobId;
    job.PoolInformation = new PoolInformation { PoolId = PoolId };
    job.Commit();
}
```

References:

<https://docs.microsoft.com/en-us/azure/batch/quick-run-dotnet>

NEW QUESTION 242

- (Topic 8)

You are developing a complex workflow by using Azure Durable Functions. During testing you observe that the results of the workflow differ based on how many instances of the Azure Function are running. You need to resolve the issue. What should you do?

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

Answer: A

NEW QUESTION 243

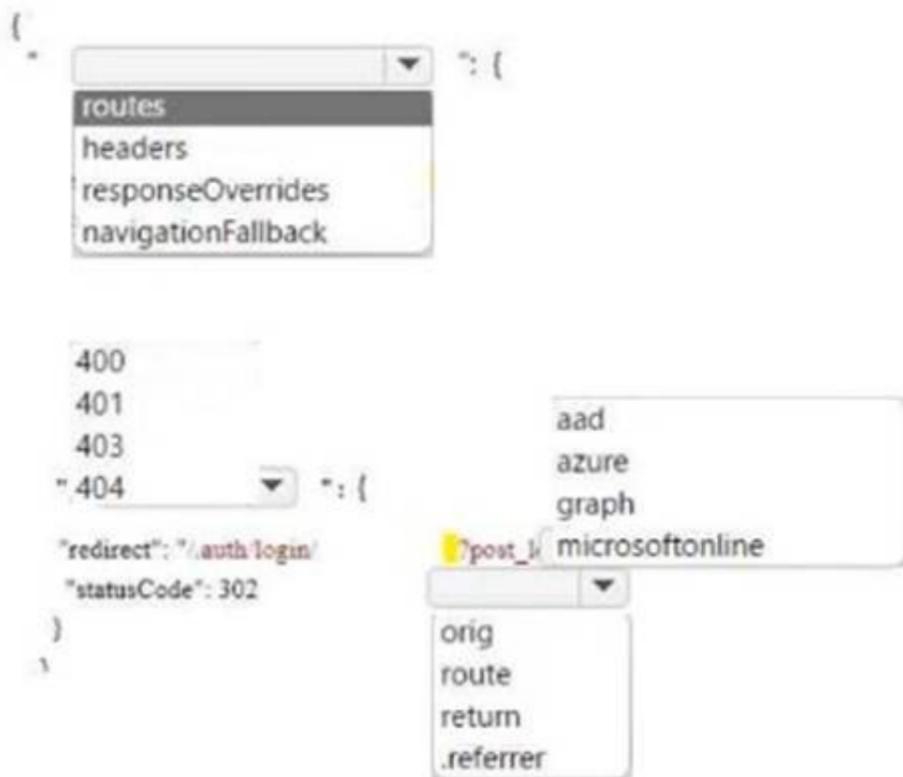
HOTSPOT - (Topic 8)

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

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

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

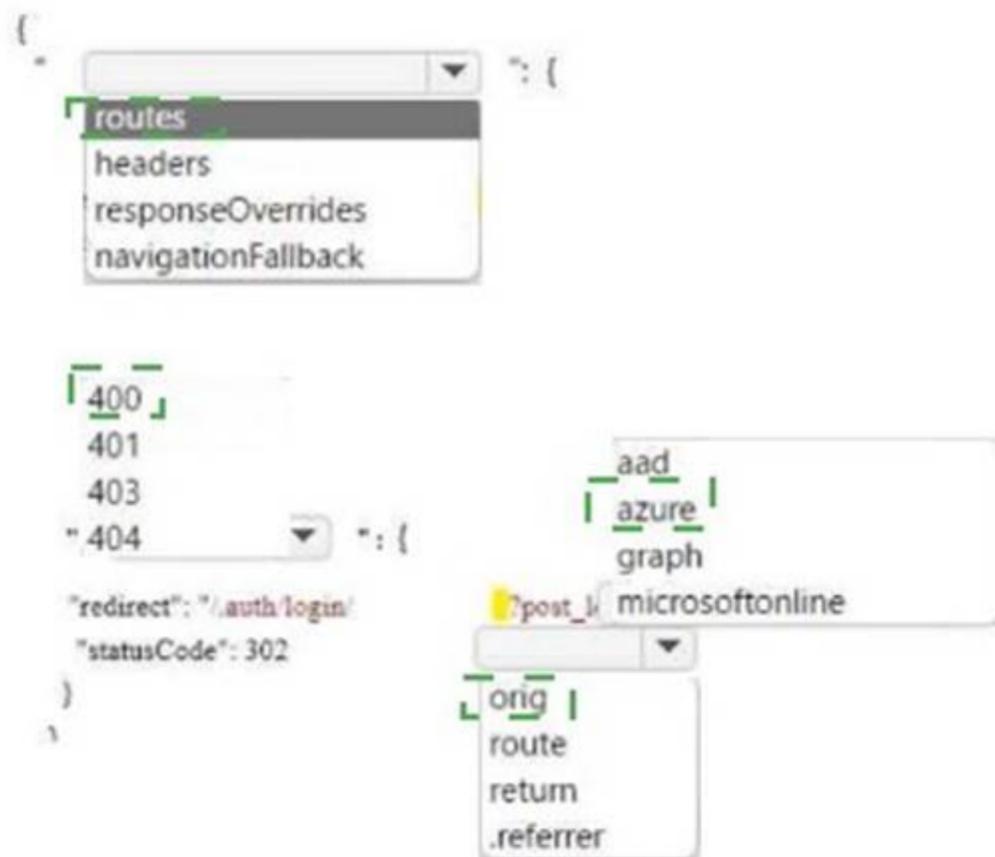
NOTE: Each correct selection is worth one point.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 244

DRAG DROP - (Topic 8)

You have an application that uses Azure Blob storage. You need to update the metadata of the blobs.

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

Methods

- Metadata.Add
- SetMetadataAsync
- FetchAttributesAsync
- UploadFileStream
- SetPropertiesAsync

Answer Area

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Metadata.Add example:

```
// Add metadata to the dictionary by calling the Add method metadata.Add("docType", "textDocuments");
```

SetMetadataAsync example:

```
// Set the blob's metadata.
await blob.SetMetadataAsync(metadata);
// Set the blob's properties.
await blob.SetPropertiesAsync();
```

NEW QUESTION 245

- (Topic 7)

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

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

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

Answer: BC

NEW QUESTION 250

- (Topic 7)

You need to grant access to the retail store location data for the inventory service development effort. What should you use?

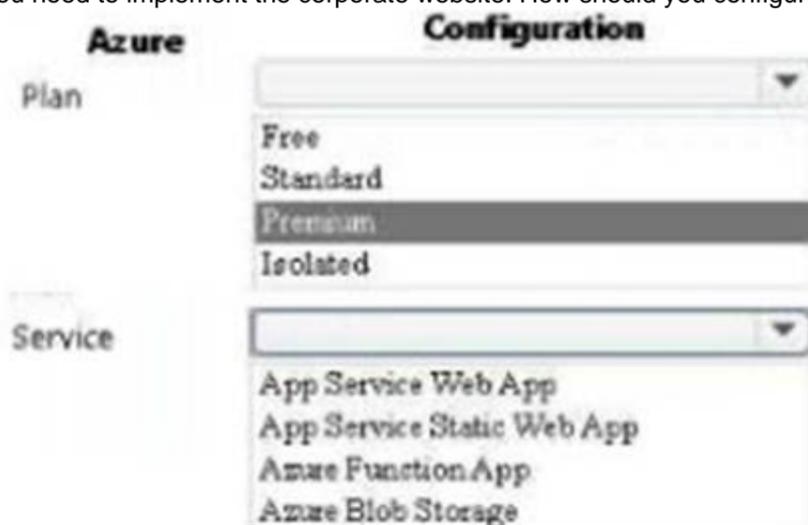
- A. Azure AD access token
- B. Azure RBAC role
- C. Azure AD ID token
- D. Shared access signature (SAS) token
- E. Azure AD refresh token

Answer: D

NEW QUESTION 253

HOTSPOT - (Topic 7)

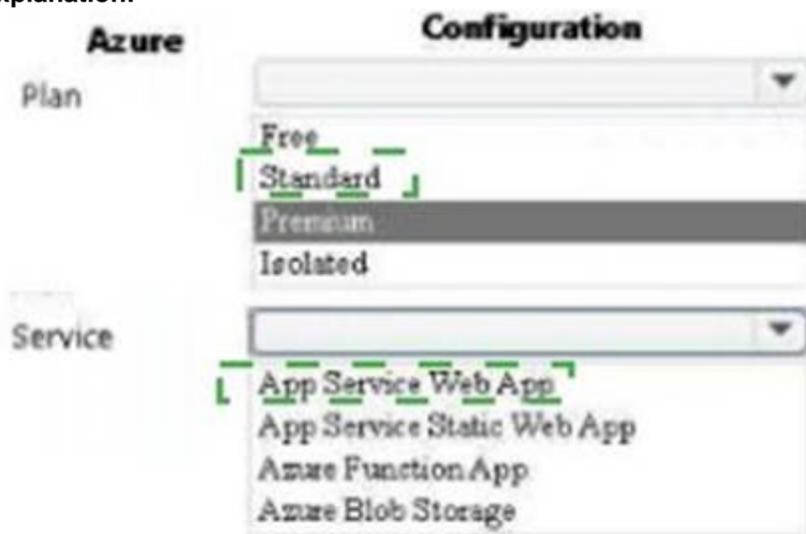
You need to implement the corporate website. How should you configure the solution?



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 256

HOTSPOT - (Topic 7)

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



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Event data	Configuration
Source	<input type="text"/> Azure Blob Storage <input checked="" type="checkbox"/> Azure Event Grid <input checked="" type="checkbox"/> Azure Service Bus Azure Event Hub
Receiver	<input type="text"/> <input checked="" type="checkbox"/> Azure Event Grid <input checked="" type="checkbox"/> Azure Event Hub Azure Service Bus Azure Blob Storage
Handler	<input type="text"/> <input checked="" type="checkbox"/> Azure Function App <input checked="" type="checkbox"/> Azure Logic App Azure Event Grid Azure Blob Storage

NEW QUESTION 259

HOTSPOT - (Topic 7)

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

NOTE: Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Azure Cosmos DB	Value
API	<input checked="" type="text"/> <input checked="" type="checkbox"/> Core (SQL) <input checked="" type="checkbox"/> Gremlin <input type="checkbox"/> Table <input type="checkbox"/> MongoDB
Partition Key	<input type="text"/> <input type="checkbox"/> Item id <input checked="" type="checkbox"/> Vehicle license plate <input checked="" type="checkbox"/> Vehicle package capacity <input type="checkbox"/> Vehicle location coordinates

NEW QUESTION 264

- (Topic 7)

You need to test the availability of the corporate website. Which two test types can you use?

- A. Custom testing using the TrackAvailability API method
- B. Standard
- C. URL Ping
- D. Multi-step

Answer: AB

NEW QUESTION 267

- (Topic 5)

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

- A. Create an Application Insights Telemetry Filter
- B. Change the minimum log level in the host.json file for the function
- C. Implement Application Insights Sampling
- D. Set a LogCategoryFilter during startup

Answer: C

Explanation:

Scenario, the log capacity issue: Developers report that the number of log message in the trace output for the processor is too high, resulting in lost log messages. Sampling is a feature in Azure Application Insights. It is the recommended way to reduce telemetry traffic and storage, while preserving a statistically correct analysis of application data. The filter selects items that are related, so that you can navigate between items when you are doing diagnostic investigations. When metric counts are presented to you in the portal, they are renormalized to take account of the sampling, to minimize any effect on the statistics. Sampling reduces traffic and data costs, and helps you avoid throttling. Reference: <https://docs.microsoft.com/en-us/azure/azure-monitor/app/sampling>

NEW QUESTION 271

HOTSPOT - (Topic 5)

You need to add code at line PC26 of Processing.cs to ensure that security policies are met.

How should you complete the code that you will add at line PC26? To answer, select the appropriate options in the answer area.

NOTE:Each correct selection is worth one point.

```
var resolver = new KeyVaultKeyResolver(_keyVaultClient);
var keyBundle = await _keyVaultClient.GetKeyAsync("...", "...");
```

<pre>var key = keyBundle.Key; var key = keyBundle.KeyIdentifier.Identifier; var key = await resolver.ResolveKeyAsync("encrypt", null); var key = await resolver.ResolveKeyAsync(keyBundle.KeyIdentifier.Identifier, CancellationToken.None);</pre>
<pre>var x = keyBundle.Managed; var x = AuthenticationScheme.SharedKey; var x = new BlobEncryptionPolicy(key, resolver); var x = new DeleteRetentionPolicy {Enabled = key.Kid != null};</pre>
<pre>cloudBlobClient.AuthenticationScheme = x; cloudBlobClient.DefaultRequestOptions.RequireEncryption = x; cloudBlobClient.DefaultRequestOptions.EncryptionPolicy = x; cloudBlobClient.SetServiceProperties(new ServiceProperties(deleteRetentionPolicy:x));</pre>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: var key = await Resolver.ResolveKeyAsyn(keyBundle,KeyIdentifier.CancellationToken.None);
 Box 2: var x = new BlobEncryptionPolicy(key,resolver); Example:
 // We begin with cloudKey1, and a resolver capable of resolving and caching Key Vault secrets.
 BlobEncryptionPolicy encryptionPolicy = new BlobEncryptionPolicy(cloudKey1, cachingResolver);
 client.DefaultRequestOptions.EncryptionPolicy = encryptionPolicy; Box 3: cloudblobClient. DefaultRequestOptions.EncryptionPolicy = x;

NEW QUESTION 273

- (Topic 5)

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

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

Answer: D

Explanation:

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

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

Reference:

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

NEW QUESTION 274

- (Topic 4)

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

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

Answer: D

Explanation:

Application Insights provides three additional data types for custom telemetry:

Trace - used either directly, or through an adapter to implement diagnostics logging using an instrumentation framework that is familiar to you, such as Log4Net or System.Diagnostics.

Event - typically used to capture user interaction with your service, to analyze usage patterns.

Metric - used to report periodic scalar measurements. Scenario:

Policy service must use Application Insights to automatically scale with the number of policy actions that it is performing. Reference:

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

NEW QUESTION 277

DRAG DROP - (Topic 4)

You need to implement telemetry for non-user actions.

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

NOTE: Each correct selection is worth one point.

Code segments

- /health
- /status
- RequestTelemetry
- PageViewTelemetry
- ITelemetryProcessor
- ITelemetryInitializer

Answer Area

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Scenario: Exclude non-user actions from Application Insights telemetry.

Box 1: ITelemetryProcessor

To create a filter, implement ITelemetryProcessor. This technique gives you more direct control over what is included or excluded from the telemetry stream.

Box 2: ITelemetryProcessor

Box 3: ITelemetryProcessor

Box 4: RequestTelemetry

Box 5: /health

To filter out an item, just terminate the chain.

NEW QUESTION 280

- (Topic 2)

You need to deploy the CheckUserContent Azure function. The solution must meet the security and cost requirements.

Which hosting model should you use?

- A. Consumption plan
- B. Premium plan
- C. App Service plan

Answer: C

NEW QUESTION 283

HOTSPOT - (Topic 1)

You need to resolve the Shipping web site error.

How should you configure the Azure Table Storage service? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

```
<?xml version="1.0" encoding="utf-8"?>
<StorageServiceProperties>
  <<Cors>
    <<CorsRule>
      <<AllowedOrigins>
        <<AllowedOrigins>
          http://*.wideworldimporters.com
          http://test.wideworldimporters.com
          http://test-shippingapi.wideworldimporters.com
          http://www.wideworldimporters.com
        </AllowedOrigins>
      </AllowedOrigins>
      <<AllowedMethods>
        GET,PUT
        GET
        POST
        GET,HEAD
      </AllowedMethods>
    </CorsRule>
  </Cors>
</StorageServiceProperties>
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: AllowedOrigins

A CORS request will fail if Access-Control-Allow-Origin is missing.

Scenario:

The following error message displays while you are testing the website:

```
Failed to load http://test-shippingapi.wideworldimporters.com/: No 'Access-Control-Allow-Origin' header is present on the requested resource. Origin 'http://testwideworldimporters.com/' is therefore not allowed access.
```

Box 2: http://test-shippingapi.wideworldimporters.com Syntax: Access-Control-Allow-Origin: *

Access-Control-Allow-Origin: <origin> Access-Control-Allow-Origin: null

<origin> Specifies an origin. Only a single origin can be specified. Box 3: AllowedOrigins

Box 4: POST

The only allowed methods are GET, HEAD, and POST. In this case POST is used. "<Corsrule>" "allowedmethods" Failed to load no "Access-control-Origin" header is present

References:

<https://developer.mozilla.org/en-US/docs/Web/HTTP/Headers/Access-Control-Allow-Origin>

NEW QUESTION 285

- (Topic 1)

You need to secure the Shipping Logic App. What should you use?

- A. Azure App Service Environment (ASE)
- B. Azure AD B2B integration
- C. Integration Service Environment (ISE)
- D. VNet service endpoint

Answer: C

Explanation:

Scenario: The Shipping Logic App requires secure resources to the corporate VNet and use dedicated storage resources with a fixed costing model.

You can access to Azure Virtual Network resources from Azure Logic Apps by using integration service environments (ISEs).

Sometimes, your logic apps and integration accounts need access to secured resources, such as virtual machines (VMs) and other systems or services, that are inside an Azure virtual network. To set up this access, you can create an integration service environment (ISE) where you can run your logic apps and create your integration accounts.

References:

<https://docs.microsoft.com/en-us/azure/logic-apps/connect-virtual-network-vnet-isolated-environment-overview>

NEW QUESTION 288

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