

## AZ-204 Dumps

### Developing Solutions for Microsoft Azure

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



**NEW QUESTION 1**

- (Exam 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.

**Add HTTP setting**

saiappgw-appgw

\* Protocol

HTTP HTTPS

Authentication certificates are not required for trusted Azure certificates for end to end ssl to work

\* Port ⓘ

443 ✓

\* Request timeout (seconds)

20

Override backend path ⓘ

Use for App service

Use custom probe ⓘ

OK

Reference:

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

**NEW QUESTION 2**

- (Exam 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 Function to run on an App Service Plan with one instance.
- D. Implement the monitor pattern within the workflow.

**Answer:** A

**NEW QUESTION 3**

- (Exam Topic 8)

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

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

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

The solution must allow dynamic creation and management of all Azure resources within the AKS cluster. You need to configure an AKS cluster for use with the Azure APIs.

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

Does the solution meet the goal?

- A. Yes
- B. No

**Answer:** A

**Explanation:**

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

References:

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

**NEW QUESTION 4**

- (Exam Topic 8)

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

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

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

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

**Answer:** A

**Explanation:**

Reference:

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

**NEW QUESTION 5**

- (Exam Topic 8)

You develop Azure solutions.

You must connect to a No-SQL globally-distributed database by using the .NET API. You need to create an object to configure and execute requests in the database. Which code segment should you use?

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

**Answer:** C

**Explanation:**

Example:

```
// Create a new instance of the Cosmos Client
this.cosmosClient = new CosmosClient(EndpointUri, PrimaryKey)
```

```
//ADD THIS PART TO YOUR CODE
```

```
await this.CreateDatabaseAsync();
```

Reference:

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

**NEW QUESTION 6**

- (Exam 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 7**

- (Exam Topic 8)

A company maintains multiple web and mobile applications. Each application uses custom in-house identity providers as well as social identity providers.

You need to implement single sign-on (SSO) for all the applications. What should you do?

- A. Use Azure Active Directory B2C (Azure AD B2C) with custom policies
- B. Most Voted
- C. Use Azure Active Directory B2B (Azure AD B2B) and enable external collaboration.
- D. Use Azure Active Directory B2C (Azure AD B2C) with user flows.
- E. Use Azure Active Directory B2B (Azure AD B2B).

**Answer:** A



**Explanation:**

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

**NEW QUESTION 8**

- (Exam 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 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 9**

- (Exam Topic 8)

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

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

You need to create the web app and deploy the code.

How should you complete the commands? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

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

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

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

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

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

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

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

The New-AzResourceGroup cmdlet creates an Azure resource group.

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

The New-AzWebAppSlot cmdlet creates an Azure Web App slot. References:

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

**NEW QUESTION 10**

- (Exam Topic 8)

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

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

You develop a software as a service (SaaS) offering to manage photographs. Users upload photos to a web service which then stores the photos in Azure Storage

Blob storage. The storage account type is General-purpose V2.

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

You need to design the process that starts the photo processing. Solution: Trigger the photo processing from Blob storage events. Does the solution meet the goal?

- A. Yes
- B. NO

**Answer: B**

**Explanation:**

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

Note: Azure Storage events allow applications to react to events. Common Blob storage event scenarios include image or video processing, search indexing, or any file-oriented workflow.

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

Note: Only storage accounts of kind StorageV2 (general purpose v2) and BlobStorage support event integration. Storage (general purpose v1) does not support integration with Event Grid.

Reference:

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

**NEW QUESTION 10**

- (Exam Topic 8)

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

Uploading of videos occurs on an irregular basis.

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

What should you do?

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

**Answer: B**

**Explanation:**

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

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

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

References:

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

**NEW QUESTION 12**

- (Exam Topic 8)

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

Uploading of videos occurs on an irregular basis.

You need to copy specific blobs from Container1 to Container2 when a new video is uploaded. What should you do?

- A. Copy blobs to Container2 by using the Put Blob operation of the Blob Service REST API
- B. Create an Event Grid topic that uses the Start-AzureStorageBlobCopy cmdlet
- C. Use AzCopy with the Snapshot switch to copy blobs to Container2
- D. Download the blob to a virtual machine and then upload the blob to Container2

**Answer: B**

**Explanation:**

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

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

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

Reference:

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

**NEW QUESTION 14**

- (Exam Topic 8)

You have an app that stores player scores for an online game. The app stores data in Azure tables using a class named PlayerScore as the table entity. The table is populated with 100,000 records.

You are reviewing the following section of code that is intended to retrieve 20 records where the player score exceeds 15,000. (Line numbers are included for reference only.)

```

1 public void GetScore(string playerId, int score, string gameName)
2 {
3     TableQuery<DynamicTableEntity> query = new TableQuery<DynamicTableEntity>().Select(new string[] { "Score" })
        .Where(TableQuery.GenerateFilterConditionForInt("Score", QueryComparisons.GreaterThanOrEqualTo, 15000)).Take
(20);
4     EntityResolver<KeyValuePair<string, int?>> resolver =
        (partitionKey, rowKey, ts, props, etag) => new KeyValuePair<string, int?>(rowKey, props["Score"].Int32Value);
5     foreach (var scoreItem in scoreTable.ExecuteQuery(query, resolver, null, null))
6     {
7         Console.WriteLine($"{scoreItem.Key} {scoreItem.Value}");
8     }
9
9 public class PlayerScore : TableEntity
10 {
11     public PlayerScore(string gameId, string playerId, int score, long timePlayed)
12     {
13         PartitionKey = gameId;
14         RowKey = playerId;
15         Score = score;
16         TimePlayed = timePlayed;
17     }
18     public int Score { get; set; }
19     public long TimePlayed { get; set; }
20 }

```

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:

```

01 CloudTableClient tableClient = account.CreateCloudTableClient();
02 CloudTable table = tableClient.GetTableReference("people");
03 TableQuery<CustomerEntity> query = new TableQuery<CustomerEntity>()
04     .Where(TableQuery.CombineFilters(
05         TableQuery.Generate.And, TableQuery.GenerateFilterCondition(Email, QueryComparisons.Equal, "Smith")
06         TableOperstors.And, TableQuery.GenerateFilterCondition(Email, QueryComparisons.Equal,
"ssmith@contoso.com")
07     ));
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 queries the Azure table and retrieves the TimePlayed property from the table	<input type="radio"/>	<input type="radio"/>
The code will display a maximum of twenty records.	<input type="radio"/>	<input type="radio"/>
All records will be sent to the client. The client will display records for scores greater than or equal to 15,000.	<input type="radio"/>	<input type="radio"/>
The scoreItem.Key property of the KeyValuePair that ExecuteQuery returns will contain a value for PlayerID.	<input type="radio"/>	<input type="radio"/>

A. Mastered  
B. Not Mastered

**Answer: A**

**Explanation:**

Box 1: No

Box 2: Yes

The TableQuery.Take method defines the upper bound for the number of entities the query returns. Example:  
query.Take(10);

Box 3: Yes

Box 4: Yes References:

<https://www.vkinfotek.com/azureqa/how-do-i-query-azure-table-storage-using-tablequery-class.html>



### NEW QUESTION 19

- (Exam Topic 8)

You are developing an Azure solution.

You need to develop code to access a secret stored in Azure Key Vault.

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

NOTE: Each correct selection is worth one point.

Code segments	Answer Area
DefaultAzureCredential	string var1 = Environment.GetEnvironmentVariable("KEY_VAULT_URI");
ClientSecretCredential	var var2 = new <input type="text" value="Code segment"/> ( new Uri(var1), new <input type="text" value="Code segment"/> ());
CloudClients	
SecretClient	

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

Graphical user interface, text, application Description automatically generated with medium confidence

Box 1: SecretClient

Box 2: DefaultAzureCredential

In below example, the name of your key vault is expanded to the key vault URI, in the format

"https://<your-key-vault-name>.vault.azure.net". This example is using 'DefaultAzureCredential()' class from Azure Identity Library, which allows to use the same code across different environments with different options to provide identity.

```
string keyVaultName = Environment.GetEnvironmentVariable("KEY_VAULT_NAME");
```

```
var kvUri = "https://" + keyVaultName + ".vault.azure.net";
```

```
var client = new SecretClient(new Uri(kvUri), new DefaultAzureCredential());
```

Reference:

<https://docs.microsoft.com/en-us/azure/key-vault/secrets/quick-create-net>

### NEW QUESTION 23

- (Exam Topic 7)

You need to audit the retail store sales transactions.

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

NOTE: Each correct selection is worth one point.

- A. Update the retail store location data upload process to include blob index tag
- B. Create an Azure Function to process the blob index tags and filter by store location
- C. Enable blob versioning for the storage account
- D. Use an Azure Function to process a list of the blob versions per day.
- E. Process an Azure Storage blob inventory report by using an Azure Function
- F. Create rule filters on the blob inventory report,
- G. Subscribe to blob storage events by using an Azure Function and Azure Event Grid
- H. Filter the events by store location.
- I. Process the change feed logs of the Azure Blob storage account by using an Azure Function
- J. Specify a time range for the change feed data.

**Answer:** DE

#### Explanation:

Scenario: Audit store sale transaction information nightly to validate data, process sales financials, and reconcile inventory.

"Process the change feed logs of the Azure Blob storage account by using an Azure Function. Specify a time range for the change feed data": Change feed support is well-suited for scenarios that process data based on objects that have changed. For example, applications can:

Store, audit, and analyze changes to your objects, over any period of time, for security, compliance or intelligence for enterprise data management.

"Subscribe to blob storage events by using an Azure Function and Azure Event Grid. Filter the events by store location": Azure Storage events allow applications to react to events, such as the creation and deletion of blobs. It does so without the need for complicated code or expensive and inefficient polling services. The best part is you only pay for what you use.

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.

Reference:

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

### NEW QUESTION 26

- (Exam Topic 7)

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

What are two possible ways to achieve the goal? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

- A. Create a new composite index for the store location data queries in Azure Cosmos DB
- B. Modify the queries to support parameterized SQL and update the Azure function app to call the new Queries.
- C. Configure Azure Cosmos DB consistency to strong consistency Increase the RUs for the container supporting store location data.



- D. Provision an Azure Cosmos DB dedicated gateway, update blob storage to use the new dedicated gateway endpoint.
- E. Configure Azure Cosmos DB consistency to session consistency
- F. Cache session tokens in a new Azure Redis cache instance after every write
- G. Update reads to use the session token stored in Azure Redis.
- H. Provision an Azure Cosmos DB dedicated gateway Update the Azure Function app connection string to use the new dedicated gateway endpoint.

**Answer:** AC

#### NEW QUESTION 28

- (Exam Topic 7)

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

Which three Azure Blob features should you enable? Each correct answer presents part of the solution. NOTE Each correct selection is worth one point

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

**Answer:** CDE

#### Explanation:

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

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

Reference:

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

#### NEW QUESTION 29

- (Exam 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 30

- (Exam 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 DB
- 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 35

- (Exam Topic 5)

You need to resolve the capacity issue.

What should you do?

- A. Convert the trigger on the Azure Function to an Azure Blob storage trigger
- B. Ensure that the consumption plan is configured correctly to allow scaling
- C. Move the Azure Function to a dedicated App Service Plan
- D. Update the loop starting on line PC09 to process items in parallel

**Answer:** D

#### Explanation:

If you want to read the files in parallel, you cannot use `forEach`. Each of the `async` callback function calls does return a promise. You can await the array of promises that you'll get with `Promise.all`.

Scenario: Capacity issue: During busy periods, employees report long delays between the time they upload the receipt and when it appears in the web application.

```
PC08     var container = await GetCloudBlobContainer();
PC09     foreach (var fileItem in await ListFiles())
PC10     {
PC11         var file = new CloudFile(fileItem.StorageUri.PrimaryUri);
PC12         var ms = new MemoryStream();
PC13         await file.DownloadToStreamAsync(ms);
PC14         var blob = container.GetBlockBlobReference(fileItem.Uri.ToString());
PC15         await blob.UploadFromStreamAsync(ms);
PC16
PC17     }
```

Reference:

<https://stackoverflow.com/questions/37576685/using-async-await-with-a-foreach-loop>

### NEW QUESTION 39

- (Exam 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 42

- (Exam Topic 5)

You need to add code at line PC32 in Processing.cs to implement the GetCredentials method in the Processing class.

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

NOTE: Each correct selection is worth one point.

#### Code segments

MSITokenProvider("...", null)

tp.GetAccessTokenAsync("...")

AzureServiceTokenProvider()

StringTokenProvider("storage", "msi")

tp.GetAuthenticationHeaderAsync(Cancellation.Token.None)

#### Answer Area

```
var tp = new code segment

var t = new TokenCredential(await code segment

return new StorageCredentials(t);
```

- A. Mastered
- B. Not Mastered

**Answer: A**

#### Explanation:

Box 1: AzureServiceTokenProvider()

Box 2: tp.GetAccessTokenAsync("...")

Acquiring an access token is then quite easy. Example code:

```
private async Task<string> GetAccessTokenAsync()
{
    var tokenProvider = new AzureServiceTokenProvider();
    return await tokenProvider.GetAccessTokenAsync("https://storage.azure.com/");
}
```

Reference:

<https://joonasw.net/view/azure-ad-authentication-with-azure-storage-and-managed-service-identity>

#### NEW QUESTION 44

- (Exam Topic 5)

You need to ensure disaster recovery requirements are met.

What code should you add at line PC16?

To answer, drag the appropriate code fragments to the correct locations. Each code fragment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Values	Answer Area
true	var copyOptions = new CopyOptions { };
SingleTransferContext	var context = new Value = (source, destination) => Task.FromResult(true);
ShouldTransferCallbackAsync	context. Value = (source, destination) => Task.FromResult(true);
false	await TransferManager.CopyAsync(blob, GetDRBlob(blob), isServiceCopy: Value
DirectoryTransferContext	, context: context, options:copyOptions);
ShouldOverwriteCallbackAsync	

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

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

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

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

Box 2: ShouldTransferCallbackAsync

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

Box 3: False

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

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

Reference:

<https://docs.microsoft.com/en-us/azure/storage/common/storage-use-data-movement-library> <https://docs.microsoft.com/en-us/dotnet/api/microsoft.windowsazure.storage.datamovement.directorytransfercon>

#### NEW QUESTION 46

- (Exam Topic 4)

You need to implement the Log policy.

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

NOTE: Each correct selection is worth one point.

Code segment	Answer Area
All	{
WebHook	"name": "newlogs",
EventHub	"properties": {
subjectEndsWith	"topic": "/subscriptions/. . . /providers/Microsoft.EventGrid/topics/. . .",
Mictosoft.Storage	"destination": {
subjectBeginsWith	"endpointType" : " code segment " },
Microsoft.Storage.BlobCreated	"filter": {
	" code segment ": "/blobServices/default/containers/logdrop/",
	"includedEventTypes": [ " code segment " ] },
	},
	"labels": [],
	"eventDeliverySchema": "EventGridSchema"

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

Box 1:WebHook

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



endpointType: The type of endpoint for the subscription (webhook/HTTP, Event Hub, or queue). Box 2: SubjectBeginsWith  
Box 3: Microsoft.Storage.BlobCreated Scenario: Log Policy  
All Azure App Service Web Apps must write logs to Azure Blob storage. All log files should be saved to a container named logdrop. Logs must remain in the container for 15 days.  
Example subscription schema

```
{
  "properties": { "destination": {
    "endpointType": "webhook", "properties": {
      "endpointUrl": "https://example.azurewebsites.net/api/HttpTriggerCSharp1?code=VXbGWce53l48Mt8wuotr0GPmyJ/nDT4hgd"
    }
  }
},
  "filter": {
    "includedEventTypes": [ "Microsoft.Storage.BlobCreated", "Microsoft.Storage.BlobDeleted" ], "subjectBeginsWith":
    "blobServices/default/containers/mycontainer/log",
    "subjectEndsWith": ".jpg", "isSubjectCaseSensitive ": "true"
  }
}
```

Reference:  
<https://docs.microsoft.com/en-us/azure/event-grid/subscription-creation-schema>

**NEW QUESTION 50**

- (Exam Topic 4)  
You need to ensure that PolicyLib requirements are met.  
How should you complete the code segment? To answer, drag the appropriate code segments to the correct locations. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.  
NOTE: Each correct selection is worth one point.

Code segments

Process

Initialize

telemetry.Sequence

ITelemetryProcessor

ITelemetryInitializer

telemetry.Context

EventGridController.EventId.Value

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

Answer Area

```
public class IncludeEventId : 

code segment


{
  public void 

code segment

 (ITelemetry telemetry)
  {
    

code segment

.Properties["EventId"] =
    

code segment

;
  }
}
```

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

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

- Exclude non-user actions from Application Insights telemetry.
- Provide methods that allow a web service to scale itself.
- Ensure that scaling actions do not disrupt application usage. Box 1: ITelemetryInitializer

Use telemetry initializers to define global properties that are sent with all telemetry; and to override selected behavior of the standard telemetry modules.  
Box 2: Initialize  
Box 3: Telemetry.Context  
Box 4: ((EventTelemetry)telemetry).Properties["EventID"] Reference:  
<https://docs.microsoft.com/en-us/azure/azure-monitor/app/api-filtering-sampling>

**NEW QUESTION 52**

- (Exam Topic 4)  
You need to add code at line EG15 in EventGridController.cs to ensure that the Log policy applies to all services.  
How should you complete the code? To answer, drag the appropriate code segments to the correct locations. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.  
NOTE: Each correct selection is worth one point.

Code segments	Answer Area
topic	<pre> if {   @event[ "data" ][ "code segment" ].ToString() == "code segment"   &amp;&amp;   @event[ "data" ][ "code segment" ].ToString() == "Microsoft.Web/sites/write" } </pre>
status	
eventType	
Succeeded	
operationName	
resourceProvider	

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

Scenario, Log policy: All Azure App Service Web Apps must write logs to Azure Blob storage. Box 1: Status  
Box 2: Succeeded  
Box 3: operationName  
Microsoft.Web/sites/write is resource provider operation. It creates a new Web App or updates an existing one.  
Reference:  
<https://docs.microsoft.com/en-us/azure/role-based-access-control/resource-provider-operations>

**NEW QUESTION 55**

- (Exam Topic 3)

You need to investigate the Azure Function app error message in the development environment. What should you do?

- A. Connect Live Metrics Stream from Application Insights to the Azure Function app and filter the metrics.  
B. Create a new Azure Log Analytics workspace and instrument the Azure Function app with Application Insights.  
C. Update the Azure Function app with extension methods from Microsoft.Extensions.Logging to log events by using the log instance.  
D. Add a new diagnostic setting to the Azure Function app to send logs to Log Analytics.

**Answer:** A

**Explanation:**

Azure Functions offers built-in integration with Azure Application Insights to monitor functions.  
The following areas of Application Insights can be helpful when evaluating the behavior, performance, and errors in your functions:  
Live Metrics: View metrics data as it's created in near real-time. Failures  
Performance Metrics Reference:  
<https://docs.microsoft.com/en-us/azure/azure-functions/functions-monitoring>

**NEW QUESTION 58**

- (Exam Topic 3)

You need to correct the Azure Logic app error message.

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

NOTE: Each correct selection is worth one point.

Setting	Value
authentication level	<div> anonymous function admin </div>
managed identity	<div> system-assigned user-assigned </div>

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

Scenario: You test the Logic app in a development environment. The following error message displays: '400 Bad Request'  
Troubleshooting of the error shows an HttpTrigger action to call the RequestUserApproval function.  
Note: If the inbound call's request body doesn't match your schema, the trigger returns an HTTP 400 Bad Request error.

Box 1: function

If you have an Azure function where you want to use the system-assigned identity, first enable authentication for Azure functions.

Box 2: system-assigned

Your logic app or individual connections can use either the system-assigned identity or a single user-assigned identity, which you can share across a group of logic apps, but not both.

Reference:

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

**NEW QUESTION 60**

- (Exam Topic 3)

You need to configure API Management for authentication.

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

NOTE: Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: Validate JWT

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

Scenario: User authentication (see step 5 below)

The following steps detail the user authentication process:

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

Box 2: Outbound Reference:

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

**NEW QUESTION 61**

- (Exam Topic 3)

You need to configure the integration for Azure Service Bus and Azure Event Grid.

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

NOTE: Each correct selection is worth one point.

az	<div><div></div><div>eventgrid</div><div>servicebus</div></div>	<div><div></div><div>event-subscription</div><div>topic</div><div>queue</div></div>	create --source-resource-id \$topicid --name \$name --
endpoint-type	<div><div></div><div>webhook</div><div>eventhub</div><div>servicebusqueue</div></div>	--endpoint \$endpoint	

- A. Mastered
- B. Not Mastered

**Answer:** A



**Explanation:**

Box 1: eventgrid

To create event subscription use: az eventgrid event-subscription create Box 2: event-subscription

Box 3: servicebusqueue

Scenario: Azure Service Bus and Azure Event Grid

Azure Event Grid must use Azure Service Bus for queue-based load leveling.

Events in Azure Event Grid must be routed directly to Service Bus queues for use in buffering.

Events from Azure Service Bus and other Azure services must continue to be routed to Azure Event Grid for processing.

Reference:

[https://docs.microsoft.com/en-us/cli/azure/eventgrid/event-subscription?view=azure-cli-latest#az\\_eventgrid\\_eve](https://docs.microsoft.com/en-us/cli/azure/eventgrid/event-subscription?view=azure-cli-latest#az_eventgrid_eve)

**NEW QUESTION 65**

- (Exam Topic 2)

You need to store the user agreements.

Where should you store the agreement after it is completed?

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

**Answer: B**

**Explanation:**

Azure Event Hub is used for telemetry and distributed data streaming.

This service provides a single solution that enables rapid data retrieval for real-time processing as well as repeated replay of stored raw data. It can capture the streaming data into a file for processing and analysis.

It has the following characteristics:

- low latency
- capable of receiving and processing millions of events per second
- at least once delivery

Reference:

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

**NEW QUESTION 66**

- (Exam 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: A**

**NEW QUESTION 69**

- (Exam Topic 2)

You need to add code at line AM10 of the application manifest to ensure that the requirement for manually reviewing content can be met.

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

NOTE: Each correct selection is worth one point.

"optionalClaims": [

"

acct
platf
sid
tenant_ctry

"

"

sid
upn
email
enfpolids

"

],

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Box 1: sid

Sid: Session ID, used for per-session user sign-out. Personal and Azure AD accounts. Scenario: Manual review

To review content, the user must authenticate to the website portion of the ContentAnalysisService using their Azure AD credentials. The website is built using React and all pages and API endpoints require authentication.

In order to review content a user must be part of a ContentReviewer role. Box 2: email

Scenario: All completed reviews must include the reviewer's email address for auditing purposes.

**NEW QUESTION 74**

- (Exam Topic 2)

You need to configure the ContentUploadService deployment.

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

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

**Answer:** A

**Explanation:**

Scenario: All Internal services must only be accessible from Internal Virtual Networks (VNets) There are three Network Location types – Private, Public and Domain

Reference:

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

**NEW QUESTION 78**

- (Exam 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 79**

- (Exam Topic 1)

You need to support the requirements for the Shipping Logic App. What should you use?

- A. Azure Active Directory Application Proxy
- B. Point-to-Site (P2S) VPN connection
- C. Site-to-Site (S2S) VPN connection
- D. On-premises Data Gateway

**Answer:** D

**Explanation:**

Before you can connect to on-premises data sources from Azure Logic Apps, download and install the on-premises data gateway on a local computer. The gateway works as a bridge that provides quick data transfer and encryption between data sources on premises (not in the cloud) and your logic apps.

The gateway supports BizTalk Server 2016.

Note: Microsoft have now fully incorporated the Azure BizTalk Services capabilities into Logic Apps and Azure App Service Hybrid Connections.

Logic Apps Enterprise Integration pack bring some of the enterprise B2B capabilities like AS2 and X12, EDI standards support

Scenario: The Shipping Logic app must meet the following requirements:

- Support the ocean transport and inland transport workflows by using a Logic App.
- Support industry-standard protocol X12 message format for various messages including vessel content details and arrival notices.
- Maintain on-premises connectivity to support legacy applications and final BizTalk migrations.

Reference:

<https://docs.microsoft.com/en-us/azure/logic-apps/logic-apps-gateway-install>

**NEW QUESTION 84**

- (Exam 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.

Reference:

<https://docs.microsoft.com/en-us/dotnet/api/microsoft.azure.storage.blob.cloudblobcontainer.acquireleaseasync> <https://docs.microsoft.com/en-us/dotnet/api/microsoft.azure.storage.blob.cloudblobcontainer.getblockblobreference>

<https://docs.microsoft.com/en-us/dotnet/api/microsoft.azure.storage.blob.cloudblobcontainer.breakleaseasync>

**NEW QUESTION 87**

- (Exam Topic 8)

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

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

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

NOTE: Each correct selection is worth one point.

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

**Answer:** AC

**Explanation:**

It is strongly recommended to use available messaging products and services that support a publish-subscribe

model, rather than building your own. In Azure, consider using Service Bus or Event Grid. Other technologies that can be used for pub/sub messaging include Redis, RabbitMQ, and Apache Kafka.

Reference:

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

**NEW QUESTION 91**

- (Exam Topic 8)



Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.  
After you answer a question in this question, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.  
You are developing a website that will run as an Azure Web App. Users will authenticate by using their Azure Active Directory (Azure AD) credentials. You plan to assign users one of the following permission levels for the website: admin, normal, and reader. A user's Azure AD group membership must be used to determine the permission level. You need to configure authorization.

Solution:

- 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 92**

- (Exam Topic 8)

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

What should you do?

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

**Answer: A**

**NEW QUESTION 95**

- (Exam Topic 8)

You are building a traffic monitoring system that monitors traffic along six highways. The system produces time series analysis-based reports for each highway.

Data from traffic sensors are stored in Azure Event Hub.

Traffic data is consumed by four departments. Each department has an Azure Web App that displays the time-series-based reports and contains a WebJob that processes the incoming data from Event Hub. All Web Apps run on App Service Plans with three instances.

Data throughout must be maximized. Latency must be minimized. You need to implement the Azure Event Hub.

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

NOTE: Each correct selection is worth one point.

Setting	Value
Number of partitions	<div><div></div><div>▼</div><div>3</div><div>4</div><div>6</div><div>12</div></div>
Partition Key	<div><div></div><div>▼</div><div>Highway</div><div>Department</div><div>Timestamp</div><div>VM name</div></div>

- A. Mastered  
B. Not Mastered

**Answer: A**

**Explanation:**

Box 1: 6

The number of partitions is specified at creation and must be between 2 and 32. There are 6 highways.

Box 2: Highway References:

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

### NEW QUESTION 97

- (Exam Topic 8)

HOTSPOT

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

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

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

NOTE: Each correct selection is worth one point.

#### Answer Area

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

A. Mastered

B. Not Mastered

**Answer: A**

#### Explanation:

Box 1: NotificationHubClient

Box 2: NotificationHubClient

Box 3: CreateClientFromConnectionString

// Initialize the Notification Hub

NotificationHubClient hub = NotificationHubClient.CreateClientFromConnectionString(listenConnString, hubName);

Box 4: SendWindowsNativeNotificationAsync Send the push notification.

var result = await hub.SendWindowsNativeNotificationAsync(windowsToastPayload); Reference:

<https://docs.microsoft.com/en-us/azure/notification-hubs/notification-hubs-push-notification-registration-manag> <https://github.com/MicrosoftDocs/azure-docs/blob/master/articles/app-service-mobile/app-service-mobile-windo>

### NEW QUESTION 101

- (Exam Topic 8)

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

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

How should you complete the code segment? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

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

NotificationHubClient hub =
    NotificationHubClientSettings
        NotificationHubJob
        NotificationDetails

NotificationHubClient
NotificationHubClientSettings
NotificationHubJob
NotificationDetails

GetInstallation
CreateClientFromConnectionString
CreateOrUpdateInstallation
PatchInstallation

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: NotificationHubClient  
Box 2: NotificationHubClient  
Box 3: CreateClientFromConnectionString  
// Initialize the Notification Hub  
NotificationHubClient hub = NotificationHubClient.CreateClientFromConnectionString(listenConnString, hubName);  
Box 4: SendWindowsNativeNotificationAsync Send the push notification.  
var result = await hub.SendWindowsNativeNotificationAsync(windowsToastPayload);  
References:  
<https://docs.microsoft.com/en-us/azure/notification-hubs/notification-hubs-push-notification-registration-manag>  
<https://github.com/MicrosoftDocs/azure-docs/blob/master/articles/app-service-mobile/app-service-mobile-windo>

NEW QUESTION 104

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

- A. Yes
- B. No

Answer: B

Explanation:

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

NEW QUESTION 106



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

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

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

Answer: BE

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

NEW QUESTION 108

- (Exam Topic 8)  
You are developing a web application that uses the Microsoft identify platform for user and resource authentication. The web application calls several REST APIs. You are implementing various authentication and authorization flows for the web application. You need to validate the claims in the authentication token. Which token type should use? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

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

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**  
Graphical user interface, text, application Description automatically generated

NEW QUESTION 110

- (Exam Topic 8)  
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

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

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

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

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

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

Does the solution meet the goal?

- A. Yes
- B. No

**Answer:** A

**Explanation:**

In the Consumption hosting plan, resources are added dynamically as required by your functions. Reference:  
<https://docs.microsoft.com/en-us/azure/azure-functions/functions-create-storage-blob-triggered-function>

**NEW QUESTION 113**

- (Exam 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 118**

- (Exam 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(Strin
- F. 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 122**

- (Exam Topic 8)

You manage several existing Logic Apps.

You need to change definitions, add new logic, and optimize these apps on a regular basis.

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

NOTE: Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Enterprise Integration Pack

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

Box 2: Code View Editor

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

Box 3: Logical Apps Designer

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

References:

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

NEW QUESTION 127

- (Exam Topic 8)

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

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

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

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

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

NOTE: Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: No

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

Box 2: Yes

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

Box 3: Yes Reference:

<https://docs.microsoft.com/en-us/azure/storage/queues/storage-dotnet-how-to-use-queues> <https://docs.microsoft.com/en-us/dotnet/api/microsoft.servicebus.messaging.queuedescription.lockduration>

NEW QUESTION 128

- (Exam 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 129**

- (Exam Topic 8)

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

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

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

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

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

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

Does the solution meet the goal?

- A. Yes
- B. No

**Answer:** A

**Explanation:**

Reference:

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

**NEW QUESTION 131**

- (Exam 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:** A

**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 132**

- (Exam Topic 8)

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



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

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

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

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

Solution: Provision an Azure Event 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 137**

- (Exam Topic 8)

You develop and deploy an Azure App Service web app that connects to Azure Cache for Redis as a content cache. An resources have been deployed to East US 2 region.

The security team requires the from Azure Cache for Redis:

- The number of Redis client connections from an associated IP address. Redis operations completed on the content cache.
- The location (region) in which the Azure Cache for Redis instance was accessed.
- The audit information must be captured and analyzed by a security team application deployed to Central US region

You need to log information on all client corrections to the cache. Which configuration values should you use?

Requirement	Configuration value
Store log information.	<div>Log Analytics workspace</div> <div>Blob Storage account</div> <div>Data Lake Storage Gen2 Storage account</div> <div>Event hub</div>
Enable client connection logging.	<div>Diagnostic setting</div> <div>Managed identity</div> <div>App registration</div> <div>Environment variable</div>

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

Requirement	Configuration value
Store log information.	<div>Log Analytics workspace</div> <div>Blob Storage account</div> <div>Data Lake Storage Gen2 Storage account</div> <div>Event hub</div>
Enable client connection logging.	<div>Diagnostic setting</div> <div>Managed identity</div> <div>App registration</div> <div>Environment variable</div>

**NEW QUESTION 142**

- (Exam 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.

Features

Run Command

Serial console

Hybrid Runbook Worker

Custom Script Extension

Answer Area

Requirement

Feature

Firewall configuration

Supporting services script

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Reference:  
<https://docs.microsoft.com/en-us/azure/automation/automation-hybrid-runbook-worker> <https://docs.microsoft.com/en-us/azure/virtual-machines/windows/run-command>

NEW QUESTION 146

- (Exam Topic 8)

You are creating a CLI script that creates an Azure web app related services in Azure App Service. The web app uses the following variables:

Variable name	Value
\$gitrepo	<a href="https://github.com/Contos/webapp">https://github.com/Contos/webapp</a>
&webappname	Webapp1103

You need to automatically deploy code from GitHub to the newly created web app.  
How should you complete the script? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

az group create - --location westeurope - --name myResourceGroup

--name \$webappname - --resource-group myResourceGroup - --sku FREE

az webapp create

az appservice plan create

az webapp deployment

az group delete

--name \$webappname - --resource-group myResourceGroup

az webapp create

az appservice plan create

az webapp deployment

az group delete

--repo-url \$gitrepo - --branch master - --manual-integration

git clone \$gitrepo

--plan \$webappname

source config --name \$webappname

az webapp create

az appservice plan create

az webapp deployment

az group delete

--resource-group myResourceGroup

--repo-url \$gitrepo - --branch master - --manual-integration

git clone \$gitrepo

--plan \$webappname

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: az appservice plan create  
The azure group creates command successfully returns JSON result. Now we can use resource group to create a azure app service plan  
Box 2: az webapp create Create a new web app..  
Box 3: --plan \$webappname  
with the serviceplan we created in step 1. Box 4: az webapp deployment  
Continuous Delivery with GitHub. Example:  
az webapp deployment source config --name firstsamplewebsite1 --resource-group websites--repo-url \$gitrepo  
--branch master --git-token \$token  
Box 5: --repo-url \$gitrepo --branch master --manual-integration Reference:  
<https://medium.com/@satish1v/devops-your-way-to-azure-web-apps-with-azure-cli-206ed4b3e9b1>

NEW QUESTION 147

- (Exam Topic 8)

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

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

The system has the following requirements for subscriptions

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

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

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

NOTE: Each correct selection is worth one point.

Filter types

SQLFilter

CorrelationFilter

No Filter

Answer Area

Subscription	Filter type
FutureOrders	<div></div>
HighPriorityOrders	<div></div>
InternationalOrders	<div></div>
HighQuantityOrders	<div></div>
AllOrders	<div></div>

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

FutureOrders: SQLFilter HighPriortyOrders: CorrelationFilter CorrelationID only InternationalOrders: SQLFilter

Country NOT USA requires an SQL Filter HighQuantityOrders: SQLFilter

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

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

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

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

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

**NEW QUESTION 148**

- (Exam Topic 8)

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

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

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

**Answer:** A

**Explanation:**



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

References:

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

#### NEW QUESTION 150

- (Exam 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 152

- (Exam Topic 8)

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

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

You need to complete the configuration.

Which Azure CLI or PowerShell command should you run?

- A. 

```
az servicebus queue create  
--resource-group fridge-rg  
--namespace-name fridge-ns  
--name fridge-q
```
- B. 

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

```
New-AzureRmServiceBusNamespace  
-ResourceGroupName fridge-rg  
-NamespaceName fridge-loc  
-Location fridge-loc
```
- D. 

```
connectionString=$(az serviceBus namespace authorization-rule keys list  
--resource-group fridge-rg  
--fridge-ns fridge-ns  
--query primaryConnectionString -output tsv)
```

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

**Answer: A**

#### Explanation:

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

Steps:

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

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

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

`az servicebus namespace create --resource-group $resourceGroupName --name $namespaceName --location eastus`

Step 3: # Create a Service Bus queue

`az servicebus queue create --resource-group $resourceGroupName --namespace-name $namespaceName  
--name BasicQueue`

Step 4: # Get the connection string for the namespace

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

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

Reference:

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

#### NEW QUESTION 154

- (Exam Topic 8)

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

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

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

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

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



- A. Yes
- B. No

Answer: B

Explanation:

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

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

Reference:

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

NEW QUESTION 156

- (Exam Topic 8)

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

- \* 1. A driver selects the restaurants for which they will deliver orders.
- \* 2. Orders are sent to all available drivers in an area.
- \* 3. Only orders for the selected restaurants will appear for the driver.
- \* 4. The first driver to accept an order removes it from the list of available orders. You need to implement an Azure Service Bus solution.

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

Actions

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

Create a single Service Bus topic.

Create a single Service Bus subscription.

Create a single Service Bus Namespace.

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

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

>

<

Answer area

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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. Topics can have multiple, independent subscriptions.

References:

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

NEW QUESTION 159

- (Exam 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	Answer Area										
<div>Host</div> <div>Delegate</div> <div>Lease container</div> <div>Monitored container</div>	<table><thead><tr><th>Requirement</th><th>Component</th></tr></thead><tbody><tr><td>Store the data from which the change feed is generated.</td><td><div>Component</div></td></tr><tr><td>Coordinate processing of the change feed across multiple workers.</td><td><div>Component</div></td></tr><tr><td>Use the change feed processor to listen for changes.</td><td><div>Component</div></td></tr><tr><td>Handle each batch of changes.</td><td><div>Component</div></td></tr></tbody></table>	Requirement	Component	Store the data from which the change feed is generated.	<div>Component</div>	Coordinate processing of the change feed across multiple workers.	<div>Component</div>	Use the change feed processor to listen for changes.	<div>Component</div>	Handle each batch of changes.	<div>Component</div>
Requirement	Component										
Store the data from which the change feed is generated.	<div>Component</div>										
Coordinate processing of the change feed across multiple workers.	<div>Component</div>										
Use the change feed processor to listen for changes.	<div>Component</div>										
Handle each batch of changes.	<div>Component</div>										

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

Graphical user interface, application Description automatically generated

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.

Reference:

<https://docs.microsoft.com/en-us/azure/cosmos-db/change-feed-processor>

**NEW QUESTION 161**

- (Exam Topic 8)

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

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

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

You need to configure Azure CDN caching rules.

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

NOTE: Each correct selection is worth one point.

**Answer Area**

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

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: Override

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

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

Incorrect:

Bypass cache: Do not cache and ignore origin-provided cache-directive headers. Box 2: 1 hour

All media content must expire from the cache after one hour. Box 3: Cache every unique URL

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

Reference:

<https://docs.microsoft.com/en-us/azure/cdn/cdn-query-string>

**NEW QUESTION 164**

- (Exam Topic 8)

You develop and deploy an Azure App Service web app. The app is deployed to multiple regions and uses Azure Traffic Manager. Application Insights is enabled for the app.

You need to analyze app uptime for each month.

Which two solutions will achieve the goal? Each correct answer presents a complete solution NOTE: Each correct selection is worth one point

- A. Application Insights alerts
- B. Application Insights web tests
- C. Azure Monitor logs
- D. Azure Monitor metrics

**Answer: AC**

**Explanation:**

Reference:

<https://azure.microsoft.com/en-us/blog/creating-a-web-test-alert-programmatically-with-application-insights/>

**NEW QUESTION 167**

- (Exam Topic 8)

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

You must send an alert when any of the function endpoints are unavailable or responding too slowly. You need to monitor the availability and responsiveness of the functions.

What should you do?

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

**Answer: B**

**Explanation:**

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

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

D18912E1457D5D1DDCBD40AB3BF70D5D

Reference:

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

**NEW QUESTION 171**

- (Exam Topic 1)

You need to secure the Shipping Function app.

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

NOTE: Each correct selection is worth one point.

Setting	Value
Authorization level	<div>▼</div> <div>Function</div> <div>Anonymous</div> <div>Admin</div>
User claims	<div>▼</div> <div>JSON Web Token (JWT)</div> <div>Shared Access Signature (SAS) token</div> <div>API Key</div>
Trigger type	<div>▼</div> <div>blob</div> <div>HTTP</div> <div>queue</div> <div>timer</div>

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

Scenario: Shipping Function app: Implement secure function endpoints by using app-level security and include Azure Active Directory (Azure AD).

Box 1: Function

Box 2: JSON based Token (JWT)

Azure AD uses JSON based tokens (JWTs) that contain claims Box 3: HTTP

How a web app delegates sign-in to Azure AD and obtains a token

User authentication happens via the browser. The OpenID protocol uses standard HTTP protocol messages. References:

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

**NEW QUESTION 175**

- (Exam Topic 8)

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

You have the following parameters:

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

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

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



Command segments

az batch pool create

--id mypool --vm-size Standard\_A1\_v2

--target-dedicated-nodes 2

--image \$image

--node-agent-sku-id \$sku

az batch job

create

--id myjob

--pool-id mypool

for i in {1..\$numberOfJobs}

do

az batch task create

--task-id mytask\$i

--job-id myjob

--command-line \$script

Answer Area

⏮

⏭

⏮

⏭

A. Mastered

B. Not Mastered

Answer: A

Explanation:

Step 1: az batch pool create  
# Create a new Linux pool with a virtual machine configuration. az batch pool create \  
--id mypool \  
--vm-size Standard\_A1 \  
--target-dedicated 2 \  
--image canonical:ubuntu:16.04-LTS \  
--node-agent-sku-id "batch.node.ubuntu 16.04" Step 2: az batch job create  
# Create a new job to encapsulate the tasks that are added. az batch job create \  
--id myjob \  
--pool-id mypool  
Step 3: az batch task create  
# Add tasks to the job. Here the task is a basic shell command. az batch task create \  
--job-id myjob \  
--task-id task1 \  
--command-line "/bin/bash -c 'printenv AZ\_BATCH\_TASK\_WORKING\_DIR'" Step 4: for i in {1..\$numberOfJobs} do  
References:  
<https://docs.microsoft.com/bs-latn-ba/azure/batch/scripts/batch-cli-sample-run-job>

NEW QUESTION 180

- (Exam Topic 8)

You are developing an app that manages users for a video game. You plan to store the region, email address, and phone number for the player. Some players may not have a phone number. The player's region will be used to load-balance data. Data for the app must be stored in Azure Table Storage. You need to develop code to retrieve data for an individual player. How should you complete the code? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

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visit - <https://www.certleader.com>

```
public class PlayerEntity : TableEntity
{
    public PlayerEntity()
    {
    }
    public PlayerEntity(string region, string email)
    {
        PartitionKey =  ;
        RowKey=  ;
        public string Phone { get; set; }
    }
    public class Player
    {
    }
}
```

`protected PlayerEntity player;`  
`async void GetPlayer(string cs,`  `table, string pk, string rk)`

`TableEntity query =TableEntity.Retrieve<PlayerEntity>(pk, rk);`  
`TableOperation query =TableOperation.Retrieve<PlayerEntity>(pk,rk);`  
`TableResult query =TableQuery.Retrieve<PlayerEntity>(pk,rk);`  
`TableResultSegment query =TableResult.Retrieve<PlayerEntity>(pk, rk);`

`TableEntity data =await table.ExecuteAsync(query);`  
`TableOperation data =await table.ExeucteAsync(query);`  
`TableQuery data =await table.ExecuteAsync(query);`  
`TableResult data =await table.ExecuteAsync(query);`  
`player=data.Result as PlayerEntity;`  
`}`  
`}`

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: region

The player's region will be used to load-balance data. Choosing the PartitionKey.

The core of any table's design is based on its scalability, the queries used to access it, and storage operation requirements. The PartitionKey values you choose will dictate how a table will be partitioned and the type of queries that can be used. Storage operations, in particular inserts, can also affect your choice of PartitionKey values.

Box 2: email

Not phone number some players may not have a phone number. Box 3: CloudTable

Box 4 : TableOperation query =.. Box 5: TableResult

References:

<https://docs.microsoft.com/en-us/rest/api/storageservices/designing-a-scalable-partitioning-strategy-for-azure-ta>

NEW QUESTION 183

- (Exam Topic 8)

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

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

You develop Azure solutions.

You must grant a virtual machine (VM) access to specific resource groups in Azure Resource Manager. You need to obtain an Azure Resource Manager access token.

Solution: Use the Reader role-based access control (RBAC) role to authenticate the VM with Azure Resource Manager.

Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Instead run the Invoke-RestMethod cmdlet to make a request to the local managed identity for Azure resources endpoint.

Reference:

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

NEW QUESTION 185

- (Exam Topic 8)

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

- The most recent patient status details must be retrieved even if multiple users in different locations have updated the patient record.

•Patient health monitoring data retrieved must be the current version or the prior version.  
•After a patient is discharged and all charges have been assessed, the patient billing record contains the final charges.  
You provision a Cosmos DB NoSQL database and set the default consistency level for the database account to Strong. You set the value for Indexing Mode to Consistent.  
You need to minimize latency and any impact to the availability of the solution. You must override the default consistency level at the query level to meet the required consistency guarantees for the scenarios.  
Which consistency levels should you implement? To answer, drag the appropriate consistency levels to the correct requirements. Each consistency level may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.  
NOTE: Each correct selection is worth one point.

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

- A. Mastered  
B. Not Mastered

**Answer: A**

**Explanation:**

Box 1: Strong

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

Box 2: Bounded staleness

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

The number of versions (K) of the item

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

Box 3: Eventual

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

**NEW QUESTION 186**

- (Exam 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 189**

- (Exam Topic 8)

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

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

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

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

## Azure CLI Commands

## Answer Area

az group create

az group update

az webapp update

az webapp create

az appservice plan create



- A. Mastered  
B. Not Mastered

**Answer:** A

### Explanation:

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

Step 1: az group create

In the Cloud Shell, create a resource group with the az group create command. Step 2: az appservice plan create

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

Step 3: az webapp create

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

References:

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

## NEW QUESTION 190

- (Exam Topic 8)

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

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

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

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

**Answer:** C

## NEW QUESTION 193

- (Exam Topic 8)

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

Which configurations should you use? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

## Answer Area

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

- A. Mastered  
B. Not Mastered

**Answer:** A

### Explanation:



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

**NEW QUESTION 198**

- (Exam Topic 8)

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

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

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

You create the index in Azure Search.

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

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

- A. Yes
- B. No

**Answer: B**

**NEW QUESTION 202**

- (Exam Topic 8)

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

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

You need to capture the telemetry.

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

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

**Answer: CDF**

**NEW QUESTION 207**

- (Exam Topic 8)

Your company is designing an application named App1 that will use data from Azure SQL Database. App1 will be accessed over the internet by many users.

You need to recommend a solution for improving the performance of App1. What should you include in the recommendation?

- A. Azure HPC cache
- B. ExpressRoute
- C. a CON profile
- D. Azure Cache for Redis

**Answer: D**

**NEW QUESTION 210**

- (Exam Topic 8)

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

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

What should you do?

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

**Answer: D**

**NEW QUESTION 212**

- (Exam Topic 8)

You are creating an app that will use CosmosDB for data storage. The app will process batches of relational data.

You need to select an API for the app. Which API should you use?

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

Answer: C

Explanation:

For relational data you will need the SQL API Reference:  
<https://docs.microsoft.com/en-us/azure/cosmos-db/choose-api>

NEW QUESTION 213

- (Exam Topic 8)

You are developing an Azure Function app. The app must meet the following requirements:

- Enable developers to write the functions by using the Rust language.
- Declaratively connect to an Azure Blob Storage account.

You need to implement the app.

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

NOTE: Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, application Description automatically generated

Box 1: Custom handler

Custom handlers can be used to create functions in any language or runtime by running an HTTP server process, for example Go or Rust.

Box 2: Trigger

Functions are invoked by a trigger and can have exactly one. In addition to invoking the function, certain triggers also serve as bindings. You may also define multiple bindings in addition to the trigger. Bindings provide a declarative way to connect data to your code.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-functions/create-first-function-vs-code-other> <https://docs.microsoft.com/en-us/dotnet/architecture/serverless/azure-functions>

NEW QUESTION 216

- (Exam Topic 8)

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

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

You need to ensure that conflicts produce the correct response.

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

NOTE: Each correct selection is worth one point.

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

- A. Mastered

B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: on-error

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

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

Box 2: context

Box 3: context

Box 4: set-status

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

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

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

<set-header/>

<set-body/>

<set-status/>

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

Reference:

<https://docs.microsoft.com/en-us/azure/api-management/api-management-error-handling-policies> <https://docs.microsoft.com/en-us/azure/api-management/api-management-transformation-policies>

**NEW QUESTION 221**

- (Exam 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<CloudTask> 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 225**

- (Exam 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-azureroleassignment?view=azur>

**NEW QUESTION 228**

- (Exam Topic 8)

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

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

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

**Answer:** AE

**Explanation:**

References:

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

**NEW QUESTION 229**

- (Exam 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 is admin.

The Web App must always run the same version of the website regardless of future builds.

You need to create an Azure Web App to run the website.

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

NOTE: Each correct selection is worth one point.

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

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

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

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

```
az webapp config
```

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

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: --SKU B1 --hyper-v

--hyper-v

Host web app on Windows container.

Box 2: --deployment-source-url images.azurecr.io/website:v1.0.0

--deployment-source-url -u

Git repository URL to link with manual integration.

The Web App must always run the same version of the website regardless of future builds. Incorrect:

--deployment-container-image-name -i

Linux only. Container image name from Docker Hub, e.g. publisher/image-name:tag. Box 3: az webapp config container set -url https://images.azurecr.io -u admin

-p admin az webapp config container set

Set a web app container's settings. Parameter: --docker-registry-server-url -r The container registry server url.

The Azure Container Registry instance named images is a private registry. Example:

az webapp config container set --docker-registry-server-url https://{azure-container-registry-name}.azurecr.io Reference:

<https://docs.microsoft.com/en-us/cli/azure/appservice/plan>

**NEW QUESTION 232**

- (Exam Topic 8)

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

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

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

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

**Answer:** C

**NEW QUESTION 237**

- (Exam Topic 8)

A company is developing a Java web app. The web app code is hosted in a GitHub repository located at <https://github.com/Contoso/webapp>.

The web app must be evaluated before it is moved to production. You must deploy the initial code release to a deployment slot named staging.

You need to create the web app and deploy the code.

How should you complete the commands? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

```
gitrepo=https://github.com/Contoso/webapp
webappname=businesswebapp
resourcegroupname=BusinessAppResourceGroup
```

az  ▼

- group
- webapp
- appservice plan
- webapp deployment slot
- webapp deployment source

```
create --location centralus - --name $resourcegroupname
create --name $webappname - --resource-group $resourcegroupname
- --sku S3
create --name $webappname - --resource-group $resourcegroupname
\ - --plan $webappname
create --name $webappname - --resource-group $resourcegroupname
\ - --slot staging
```

az  ▼

- group
- webapp
- appservice plan
- webapp deployment slot
- webapp deployment source

```
config - --name $webappname - --resource-group $resourcegroupname
\ - --slot staging - --repo-url
$gitrepo - --branch master - --manual-integration
```

az  ▼

- group
- webapp
- appservice plan
- webapp deployment slot
- webapp deployment source

az  ▼

- group
- webapp
- appservice plan
- webapp deployment slot
- webapp deployment source

az  ▼

- group
- webapp
- appservice plan
- webapp deployment slot
- webapp deployment source

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: group

# Create a resource group.

```
az group create --location westeurope --name myResourceGroup
```

Box 2: appservice plan

# Create an App Service plan in STANDARD tier (minimum required by deployment slots). az appservice plan create --name \$webappname --resource-group myResourceGroup --sku S1

Box 3: webapp

# Create a web app.

```
az webapp create --name $webappname --resource-group myResourceGroup \
```

```
--plan $webappname
```

Box 4: webapp deployment slot

#Create a deployment slot with the name "staging".

```
az webapp deployment slot create --name $webappname --resource-group myResourceGroup \
```

```
--slot staging
```

Box 5: webapp deployment source

# Deploy sample code to "staging" slot from GitHub.

```
az webapp deployment source config --name $webappname --resource-group myResourceGroup \
```

```
--slot staging --repo-url $gitrepo --branch master --manual-integration
```

References:  
<https://docs.microsoft.com/en-us/azure/app-service/scripts/cli-deploy-staging-environment>

**NEW QUESTION 240**

- (Exam Topic 8)

You deploy an Azure App Service web app. You create an app registration for the app in Azure Active Directory (Azure AD) and Twitter. the app must authenticate users and must use SSL for all communications. The app must use Twitter as the identity provider. You need to validate the Azure AD request in the app code. What should you validate?

- A. HTTP response code  
B. ID token header  
C. ID token signature  
D. Tenant ID

**Answer:** B

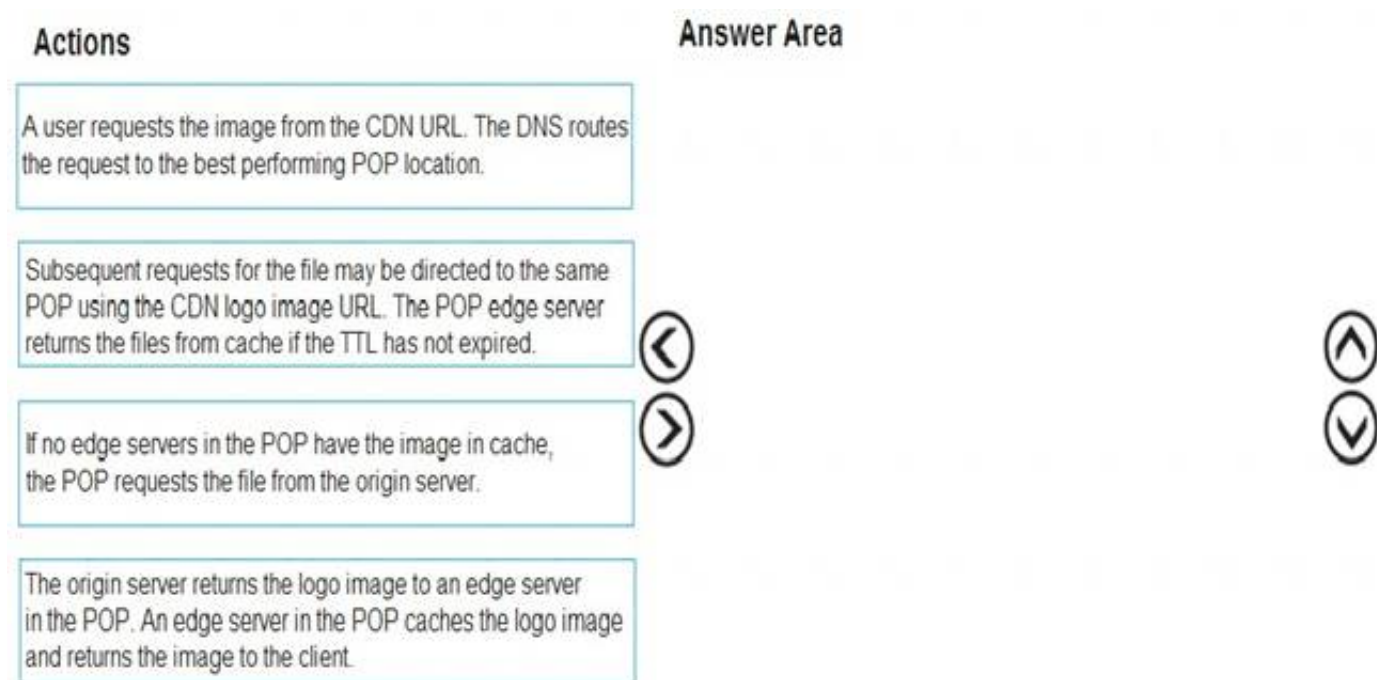
**NEW QUESTION 243**

- (Exam Topic 8)

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

You need to determine the correct process of how the CDN and the Point of Presence (POP) server will distribute the image and list the items in the correct order.

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



- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Step 1: A user requests the image..

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

Step 2: If no edge servers in the POP have the..

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

Step 3: The origin server returns the..

The origin server returns the file to an edge server in the POP.

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

Step 4: Subsequent requests for..

Additional users can then request the same file by using the same URL that the original user used, and can also be directed to the same POP.

If the TTL for the file hasn't expired, the POP edge server returns the file directly from the cache. This process results in a faster, more responsive user experience.

References:

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

**NEW QUESTION 247**

- (Exam Topic 8)

You are developing a web application that runs as an Azure Web App. The web application stores data in Azure SQL Database and stores files in an Azure Storage account. The web application makes HTTP requests to external services as part of normal operations.

The web application is instrumented with Application Insights. The external services are OpenTelemetry compliant.

You need to ensure that the customer ID of the signed in user is associated with all operations throughout the overall system.

What should you do?

- A. Create a new SpanContext with the TraceRags value set to the customer ID for the signed in user.
- B. On the current SpanContext, set the Traceld to the customer ID for the signed in user.
- C. Add the customer ID for the signed in user to the CorrelationContext in the web application.
- D. Set the header Ocp-Apim-Trace to the customer ID for the signed in user.

**Answer:** C

**Explanation:**

Reference:

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

**NEW QUESTION 252**

- (Exam Topic 8)

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

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

You need to implement a reply trail auditing solution.

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

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

**Answer:** AD



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

**NEW QUESTION 256**

- (Exam Topic 8)  
You create the following PowerShell script:

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

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

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**  
Text Description automatically generated  
Box 1: No  
The AzScheduledQueryRuleSource is Heartbeat, not CPU.  
Box 2: Yes  
The AzScheduledQueryRuleSource is Heartbeat!  
Note: New-AzScheduledQueryRuleTriggerCondition creates an object of type Trigger Condition. This object is to be passed to the command that creates Alerting Action object.  
Box 3: No  
The schedule is 60 minutes, not two hours.  
-FrequencyInMinutes: The alert frequency.  
-TimeWindowInMinutes: The alert time window  
The New-AzAscheduledQueryRuleSchedule command creates an object of type Schedule. This object is to be passed to the command that creates Log Alert Rule.  
Reference:  
<https://docs.microsoft.com/en-us/powershell/module/az.monitor/new-azscheduledqueryrule> <https://docs.microsoft.com/en-us/powershell/module/az.monitor/new-azscheduledqueryruletriggercondition>

**NEW QUESTION 261**

- (Exam 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(); Reference:
```

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

**NEW QUESTION 264**

- (Exam 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 265**

- (Exam Topic 8)

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

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

NOTE: Each correct selection is worth one point.

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

**Answer:** ADE

**Explanation:**

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

Application Insights manages the ID of a session for you. References: <https://github.com/microsoft/ApplicationInsights-Android>

**NEW QUESTION 269**

.....

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