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Practice Test IV

Completed on 24-July-2020

Attempt
01Marks Obtained
36 / 55Your score
65.45%Time Taken
00 H 29 M 51 SResult
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Domains wise Quiz Performance Report

| No | Domain | Total Question | Correct | Incorrect | Unattempted | Marked as Review |
|-------|--|----------------|---------|-----------|-------------|------------------|
| 1 | Develop Azure compute solutions | 14 | 8 | 6 | 0 | 0 |
| 2 | Develop for Azure storage | 13 | 12 | 1 | 0 | 0 |
| 3 | Connect to and consume Azure services and third-party services | 17 | 7 | 10 | 0 | 0 |
| 4 | Implement Azure security | 3 | 3 | 0 | 0 | 0 |
| 5 | Monitor, troubleshoot, and optimize Azure solutions | 8 | 6 | 2 | 0 | 0 |
| Total | All Domain | 55 | 36 | 19 | 0 | 0 |

Review the Answers

Sorting by All

Question 1


Incorrect

Domain :Develop Azure compute solutions

You have to deploy a set of storage accounts. You have to complete the below ARM template to deploy 3 storage accounts.

```
{  "$schema": "https://schema.management.azure.com/schemas/2019-04-01/deploymentTemplate.json#",
  "contentVersion": "1.0.0.0",
  "parameters": {
    "whizlabCount": {
      "type": "int",
      "defaultValue": 3
    }
  },
  "resources": [
    {
      "type": "Microsoft.Storage/storageAccounts",
      "apiVersion": "2019-04-01",
      "name": "[concat( Slot 1 , 'storage', uniqueString(resourceGroup().id))]",
      "location": "[resourceGroup().location]",
      "sku": {
        "name": "Standard_LRS"
      },
      "kind": "Storage",
      "properties": {},
      Slot 2 : {
        "name": "createcopy",
        "count": "[parameters('whizlabCount')]"
      }
    }
  ],
  "outputs": {} }
```

Which of the following would go into Slot 1?

- A. copy
- B. copyIndex() 
- ✓ C. storageindex() 
- D. storage

Explanation:

Answer – B

Here we have to use the copy element to create multiple instances of a resource. We can reference each index value with the help of the copyIndex() function.

An example of this is also given in the Microsoft documentation

The following example creates the number of storage accounts specified in the **storageCount** parameter.

```
JSON Copy

{
  "$schema": "https://schema.management.azure.com/schemas/2019-04-01/deploymentschema.json",
  "contentVersion": "1.0.0.0",
  "parameters": {
    "storageCount": {
      "type": "int",
      "defaultValue": 2
    }
  },
  "resources": [
    {
      "type": "Microsoft.Storage/storageAccounts",
      "apiVersion": "2019-04-01",
      "name": "[concat(copyIndex(), 'storage', uniqueString(resourceGroup().location))]",
      "location": "[resourceGroup().location]",
      "sku": {
        "name": "Standard_LRS"
      },
      "kind": "Storage",
      "properties": {},
      "copy": {
        "name": "storagecopy",
        "count": "[parameters('storageCount')]"
      }
    }
  ],
  "outputs": {}
}
```

Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on creating multiple resources via ARM templates, please refer to the following URL

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/templates/copy-resources>

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Question 2


Incorrect

Domain :Develop Azure compute solutions

You have to deploy a set of storage accounts. You have to complete the below ARM template to deploy 3 storage accounts.

```
{ "$schema": "https://schema.management.azure.com/schemas/2019-04-01/deploymentTemplate.json#",
  "contentVersion": "1.0.0.0",
  "parameters": {
    "whizlabCount": {
      "type": "int",
      "defaultValue": 3
    }
  },
  "resources": [
    {
      "type": "Microsoft.Storage/storageAccounts",
      "apiVersion": "2019-04-01",
      "name": "[concat(Slot 1, 'storage', uniqueString(resourceGroup().id))]",
      "location": "[resourceGroup().location]",
      "sku": {
        "name": "Standard_LRS"
      },
      "kind": "Storage",
      "properties": {},
      Slot 2 : {
        "name": "createcopy",
        "count": "[parameters('whizlabCount')]"
      }
    }
  ],
  "outputs": {} }
```

Which of the following would go into Slot2?

- A. **copy** 
- B. **copyIndex()**
- C. **storageindex()**
- ✓ D. **storage** 

Explanation:

Answer – A

Here we have to use the copy element to create multiple instances of a resource. We can reference each index value with the help of the copyIndex() function.

An example of this is also given in the Microsoft documentation

The following example creates the number of storage accounts specified in the **storageCount** parameter.

```
JSON Copy

{
  "$schema": "https://schema.management.azure.com/schemas/2019-04-01/deploymentschema.json",
  "contentVersion": "1.0.0.0",
  "parameters": {
    "storageCount": {
      "type": "int",
      "defaultValue": 2
    }
  },
  "resources": [
    {
      "type": "Microsoft.Storage/storageAccounts",
      "apiVersion": "2019-04-01",
      "name": "[concat(copyIndex(), 'storage', uniqueString(resourceGroup().location))]",
      "location": "[resourceGroup().location]",
      "sku": {
        "name": "Standard_LRS"
      },
      "kind": "Storage",
      "properties": {},
      "copy": {
        "name": "storagecopy",
        "count": "[parameters('storageCount')]"
      }
    }
  ],
  "outputs": {}
}
```

Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on creating multiple resources via ARM templates, please refer to the following URL

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/templates/copy-resources>

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Question 3

Incorrect

Domain :Develop Azure compute solutions

Your team is currently developing an application that is based on using the docker toolset. You have a set of images that need to be published to an existing Azure Container registry instance. You have to tag the images first before you can publish the images onto the registry. Which of the following is a valid way to tag a custom image?

- A. `acr tag whizlab-image whizlabregistry.azurecr.io/whizlab-image`
- B. `az tag whizlab-image whizlabregistry.azurecr.io/whizlab-image`
- C. `docker tag whizlab-image whizlabregistry.azurecr.io/whizlab-image` 
- ✓ D. `New-AzImage tag whizlab-image whizlabregistry.azurecr.io/whizlab-image` 

Explanation:

Answer – C


The correct way to tag an image is to use the docker tag command.

An example of this is also given in the Microsoft documentation

Create an alias of the image

Use [docker tag](#) to create an alias of the image with the fully qualified path to your registry. This example specifies the `samples` namespace to avoid clutter in the root of the registry.

```
docker tag nginx myregistry.azurecr.io/samples/nginx
```



Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on working with the Azure container registry, please refer to the following URL

<https://docs.microsoft.com/en-us/azure/container-registry/container-registry-get-started-docker-cli>

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Question 4

Correct


Domain :Develop Azure compute solutions

You are developing an Azure Function. This function will be using the Azure Blob storage trigger. You have to ensure the Function is triggered whenever .png files are added to a container named data.

You decide to add the following filter in the function.json file

```
"path": "data/png"
```

Does this filter criteria meet the requirement?

- A. Yes
- ✓ B. No 

Explanation:

Answer – B

This is the wrong structure of the filter that needs to be used for this scenario

The right filter structure is as follows

```
"path": "data/{name}.png"
```

For more information on the blob trigger, please refer to the following URL

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

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Question 5

Correct


Domain :Develop Azure compute solutions

You are developing an Azure Function. This function will be using the Azure Blob storage trigger. You have to ensure the Function is triggered whenever .png files are added to a container named data.

You decide to add the following filter in the function.json file

```
"path": "*.png"
```

Does this filter criteria meet the requirement?

- A. Yes
- ✓ B. No 

Explanation:

Answer – B

This is the wrong structure of the filter that needs to be used for this scenario

The right filter structure is as follows

"path": "data/{name}.png"

For more information on the blob trigger, please refer to the following URL

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

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Question 6


Correct

Domain :Develop Azure compute solutions

You are developing an Azure Function. This function will be using the Azure Blob storage trigger. You have to ensure the Function is triggered whenever .png files are added to a container named data.

You decide to add the following filter in the function.json file

"path": "data/{name}.png"

✓ A. **Yes** 

B. **No**

Explanation:

Answer - A

Yes, this is the right approach to creating the filter.

An example of this is also given in the Microsoft documentation

Filter on file type

The following example triggers only on *.png* files:

JSON

```
"path": "samples/{name}.png",
```

For more information on the blob trigger, please refer to the following URL

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

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Question 7

Correct

Domain :Develop for Azure storage

Your team has an Azure Cosmos DB Account of the type SQL API. You have to develop a simple stored procedure that would perform the activity of adding a document to a Cosmos DB container.

You have to complete the below code snippet for this requirement

```
{
  id: "whizlabdocument",
  body: function createMyDocument(newDocument) {
    var c = Slot 1
    var whizlabcollection = c.getCollection();

    var accepted = whizlabcollection. Slot 2 (whizlabcollection.getSelfLink(),
      newDocument,
      function (err, newDocument) {
        if (err) throw new Error('Error' + err.message);
        c.getResponse(). Slot 3 (newDocument.id)
      });
    if (!accepted) return;
  }
}
```

Which of the following would go into Slot 1?

A. `getBody`

- B. `setBody`
- C. `getDocument();`
- ✓ D. `getContext();` ✓
- E. `createDocument`
- F. `newDocument`


Explanation:

Answer – D

The first step is to get the current context of the request.

An example of this is also given in the Microsoft documentation

The following example creates a document inside the stored procedure:

```
Copy
{
  id: "createMyDocument",
  body: function createMyDocument(documentToCreate) {
    var context = getContext();
    var collection = context.getCollection();

    var accepted = collection.createDocument(collection.getSelfLink(),
      documentToCreate,
      function (err, documentCreated) {
        if (err) throw new Error('Error' + err.message);
        context.getResponse().setBody(documentCreated.id)
      });
    if (!accepted) return;
  }
}
```

Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on using Cosmos DB stored procedures, please refer to the following URL

<https://docs.microsoft.com/en-us/rest/api/cosmos-db/stored-procedures>

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Question 8

Correct

Domain :Develop for Azure storage

Your team has an Azure Cosmos DB Account of the type SQL API. You have to develop a simple stored procedure that would perform the activity of adding a document to a Cosmos DB container. You have to complete the below code snippet for this requirement

```
{
  id: "whizlabdocument",
  body: function createMyDocument(newDocument) {
    var c = Slot 1
    var whizlabcollection = c.getCollection();

    var accepted = whizlabcollection. Slot 2 (whizlabcollection.getSelfLink(),
      newDocument,
      function (err, newDocument) {
        if (err) throw new Error('Error' + err.message);
        c.getResponse(). Slot 3 (newDocument.id)
      });
    if (!accepted) return;
  }
}
```

Which of the following would go into Slot 2?

- A. `getBody`
- B. `setBody`
- C. `getDocument();`
- D. `getContext();`
- ✓ E. `createDocument` ✓
- F. `newDocument`

Explanation:

Answer – E

Here we have to use the `createDocument` method to create a new Cosmos DB document

An example of this is also given in the Microsoft documentation

The following example creates a document inside the stored procedure:

```
{
  id: "createMyDocument",
  body: function createMyDocument(documentToCreate) {
    var context = getContext();
    var collection = context.getCollection();

    var accepted = collection.createDocument(collection.getSelfLink(),
      documentToCreate,
      function (err, documentCreated) {
        if (err) throw new Error('Error' + err.message);
        context.getResponse().setBody(documentCreated.id)
      });
    if (!accepted) return;
  }
}
```

Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on using Cosmos DB stored procedures, please refer to the following URL

<https://docs.microsoft.com/en-us/rest/api/cosmos-db/stored-procedures>

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Question 9

Correct

Domain :Develop for Azure storage


Your team has an Azure Cosmos DB Account of the type SQL API. You have to develop a simple stored procedure that would perform the activity of adding a document to a Cosmos DB container.

You have to complete the below code snippet for this requirement

```
{
  id: "whizlabdocument",
  body: function createMyDocument(newDocument) {
    var c = Slot 1
    var whizlabcollection = c.getCollection();

    var accepted = whizlabcollection. Slot 2 (whizlabcollection.getSelfLink(),
      newDocument,
      function (err, newDocument) {
        if (err) throw new Error('Error' + err.message);
        c.getResponse(). Slot 3 (newDocument.id)
      });
    if (!accepted) return;
  }
}
```

Which of the following would go into Slot 3?

- A. `getBody`
- ✓ B. `setBody` 
- C. `getDocument();`
- D. `getContext();`
- E. `createDocument`
- F. `newDocument`

Explanation:

Answer – B

Here we have to set the body of the response with the new document ID.

An example of this is also given in the Microsoft documentation

The following example creates a document inside the stored procedure:

```
{
  id: "createMyDocument",
  body: function createMyDocument(documentToCreate) {
    var context = getContext();
    var collection = context.getCollection();

    var accepted = collection.createDocument(collection.getSelfLink(),
      documentToCreate,
      function (err, documentCreated) {
        if (err) throw new Error('Error' + err.message);
        context.getResponse().setBody(documentCreated.id)
      });
    if (!accepted) return;
  }
}
```

Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on using Cosmos DB stored procedures, please refer to the following URL

<https://docs.microsoft.com/en-us/rest/api/cosmos-db/stored-procedures>

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Question 10

Correct

Domain :Develop for Azure storage

Your team has an Azure storage account. You have to use the AzCopy tool to download a set of blobs from a container. Which of the following is the least privilege role that needs to be assigned to the storage account for this requirement?

- ✓ A. Storage Blob Data Reader ✓
- B. Storage Blob Data Contributor
- C. Reader
- D. Contributor

Explanation:

Answer – A

If you just need to download the blobs, you just need to have the Storage Blob Data Reader role.

This is also given in the Microsoft documentation

The level of authorization that you need is based on whether you plan to upload files or just download them.

If you just want to download files, then verify that the [Storage Blob Data Reader](https://docs.microsoft.com/en-us/azure/storage/common/storage-use-azcopy-v10) has been assigned to your user identity, managed identity, or service principal.

Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on working with the AzCopy tool, please refer to the following URL

<https://docs.microsoft.com/en-us/azure/storage/common/storage-use-azcopy-v10>

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Question 11**Incorrect**

Domain :Connect to and consume Azure services and third-party services

You have to develop a solution that would make use of Azure Event Hubs. You have to get the connection string from an existing Azure Event Hub to use within the program

You have to issue an Azure CLI statement to fetch the required connection string

```
az Area 1 Area 2 authorization-rule keys list --resource-group whizlabs-rg --  
namespace-name whizlabspace2000 --eventhub-name whizlabhub --name  
RootManageSharedAccessKey
```

Which of the following would go into Area 1?

- A. **get**
- B. **eventhubs** ✓
- ✓ C. **eventhub** ✗
- D. **connection-string**

Explanation:

Answer – B

Here we have to use the eventhubs keyword.

This is also given in the Microsoft documentation

Getting the connection string with Azure CLI

You can use the following to get the connection string for the namespace:

```
Azure CLI Copy Try It  
az eventhubs namespace authorization-rule keys list --resource-group dummy
```

Or you can use the following to get the connection string for an EventHub entity:

```
Azure CLI Copy Try It  
az eventhubs eventhub authorization-rule keys list --resource-group dummy
```

Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on working with Event Hubs connection string, please refer to the following URL

<https://docs.microsoft.com/en-us/azure/event-hubs/event-hubs-get-connection-string>

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Question 12

Incorrect

Domain :Connect to and consume Azure services and third-party services

You have to develop a solution that would make use of Azure Event Hubs. You have to get the connection string from an existing Azure Event Hub to use within the program

You have to issue an Azure CLI statement to fetch the required connection string

```
az 

Area 1



Area 2

 authorization-rule keys list --resource-group whizlabs-rg --  
namespace-name whizlabspace2000 --eventhub-name whizlabhub --name  
RootManageSharedAccessKey
```

Which of the following would go into Area 2?

- A. **get**
- B. **eventhubs**
- C. **eventhub** ✓
- ✓ D. **connection-string** ✗

Explanation:

Answer – C

Here we have to use the eventhub keyword.

This is also given in the Microsoft documentation

Getting the connection string with Azure CLI

You can use the following to get the connection string for the namespace:

```
Azure CLI 

Copy



Try It

  
az eventhubs namespace authorization-rule keys list --resource-group dummy
```


Or you can use the following to get the connection string for an EventHub entity:

```
Azure CLI 

Copy



Try It

  
az eventhubs  eventhub authorization-rule keys list --resource-group dummy
```

Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on working with Event Hubs connection string, please refer to the following URL

<https://docs.microsoft.com/en-us/azure/event-hubs/event-hubs-get-connection-string>

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Question 13

Correct

Domain :Implement Azure security

You have an Azure Key vault in place. You have a secret defined in the Azure Key vault. You have several versions available of the secret. You have to issue a REST API call to get a specific revision of the secret from the key vault. Which of the following would you issue in the REST API call to get the specific secret version?

- A. A session variable
- ✓ B. A query string parameter 
- C. An Environment variable
- D. A POST parameter

Explanation:

Answer – B

When you want to get a specific revision number of the secret, you have to use query string parameters.

This is also given in the Microsoft documentation


Get Secret Versions - Get Secret Versions

Service: Key Vault

API Version: 7.0

List all versions of the specified secret.

The full secret identifier and attributes are provided in the response. No values are returned for the secrets. This operations requires the secrets/list permission.

| | |
|---|---|
| HTTP |  Copy |
| GET {vaultBaseUrl}/secrets/{secret-name}/versions?api-version=7.0 | |



Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on getting secret versions, please refer to the following URL

<https://docs.microsoft.com/en-us/rest/api/keyvault/getsecretversions/getsecretversions>

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Question 14

Correct

Domain :Connect to and consume Azure services and third-party services

You have to develop an application that is going to send messages to an Azure Service Bus queue. You have to develop a module that will ensure messages sent to the queue are only moved to the Active state after a certain period of time. Which of the following would you implement to fulfil this requirement?

- A. Set the Lock property for the queue
- B. Set the timeout property for the queue messages
- ✓ C. Set the ScheduledEnqueueTimeUtc property for the messages ✓
- D. Set the SequenceNumber property for the messages

Explanation:

Answer – C

Here we need to implement scheduling of messages. This will ensure messages are sent after a certain duration of time.

The Microsoft documentation mentions the following

Scheduled messages

You can submit messages to a queue or topic for delayed processing; for example, to schedule a job to become available for processing by a system at a certain time. This capability realizes a reliable distributed time-based scheduler.

Scheduled messages do not materialize in the queue until the defined enqueue time. Before that time, scheduled messages can be canceled. Cancellation deletes the message.

You can schedule messages either by setting the [ScheduledEnqueueTimeUtc](#) property when sending a message through the regular send path, or explicitly with the [ScheduleMessageAsync](#) API. The latter immediately returns the scheduled message's **SequenceNumber**, which you can later use to cancel the scheduled message if needed. Scheduled messages and their sequence numbers can also be discovered using [message browsing](#).

Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on scheduling of messages, please refer to the following URL

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

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Question 15



Incorrect

Domain :Connect to and consume Azure services and third-party services

You have to develop an application that is going to listen to events emitted by the Event Grid service. You want to ensure that your application only receives events from the virtual machine service and the devtestlab service. You have to configure the filters accordingly

```
Slot 1 : [  
{  
  "operatorType": "StringContains",  
  "key": "Subject",  
Slot 2 : [  
  "/providers/microsoft.devtestlab/",  
  "/providers/Microsoft.Compute/virtualMachines/"  
]  
}  
]
```

Which of the following would go into Slot 1?

- ✓ A. "filter" 
- B. "service"
- C. "advancedFilters" 
- D. "values"

Explanation:

Answer – C

For this requirement, we have to set Advanced filters.

An example of this is given in the Microsoft documentation

Advanced filtering

To filter by values in the data fields and specify the comparison operator, use the advanced filtering option. In advanced filtering, you specify the:

- operator type - The type of comparison.
- key - The field in the event data that you're using for filtering. It can be a number, boolean, or string.
- values - The value or values to compare to the key.

If you specify a single filter with multiple values, an **OR** operation is performed, so the value of the key field must be one of these values. Here is an example:



```
JSON Copy
{
  "advancedFilters": [
    {
      "operatorType": "StringContains",
      "key": "Subject",
      "values": [
        "/providers/microsoft.devtestlab/",
        "/providers/Microsoft.Compute/virtualMachines/"
      ]
    }
  ]
}
```

Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on event grid filtering, please refer to the following URL

<https://docs.microsoft.com/en-us/azure/event-grid/event-filtering>

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Question 16

Correct

Domain :Connect to and consume Azure services and third-party services

You have to develop an application that is going to listen to events emitted by the Event Grid service. You want to ensure that your application only receives events from the virtual machine service and the devtestlab service. You have to configure the filters accordingly

```
Slot 1 : [  
{  
  "operatorType": "StringContains",  
  "key": "Subject",  
Slot 2 : [  
  "/providers/microsoft.devtestlab/",  
  "/providers/Microsoft.Compute/virtualMachines/"  
]  
}  
]
```

Which of the following would go into Slot 2?

- A. "filter"
- B. "service"
- C. "advancedFilters"
- ✓ D. "values" ✓

Explanation:

Answer – D

For this requirement, we have to set Advanced filters and filter based on the values

An example of this is given in the Microsoft documentation

Advanced filtering

To filter by values in the data fields and specify the comparison operator, use the advanced filtering option. In advanced filtering, you specify the:

- operator type - The type of comparison.
- key - The field in the event data that you're using for filtering. It can be a number, boolean, or string.
- values - The value or values to compare to the key.

If you specify a single filter with multiple values, an **OR** operation is performed, so the value of the key field must be one of these values. Here is an example:

```
JSON Copy  
  
"advancedFilters": [  
  {  
    "operatorType": "StringContains",  
    "key": "Object",  
    "values": [  
      "/providers/microsoft.devtestlab/",  
      "/providers/Microsoft.Compute/virtualMachines/"  
    ]  
  }  
]
```

Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on event grid filtering, please refer to the following URL

<https://docs.microsoft.com/en-us/azure/event-grid/event-filtering>

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Question 17



Incorrect

Domain :Connect to and consume Azure services and third-party services

You have to develop a workflow in the Azure Logic App service to perform the following actions
Trigger the workflow whenever a deallocation activity occurs for a virtual machine

Send an email to the IT Administrator with details of the activity

Which of the following service would you integrate with your workflow to trigger it?

- ✓ A. Azure Event Hubs 
- B. Azure Event Grid 
- C. Azure Service Bus
- D. Azure Functions


Explanation:

Answer – B

You would use the Azure Event Grid service to listen to events emitted from the resource group that contains the virtual machines.

This is also given in the Microsoft documentation as an example

Tutorial: Monitor virtual machine changes by using Azure Event Grid and Logic Apps

10/11/2019 • 11 minutes to read •  +2

To monitor and respond to specific events that happen in Azure resources or third-party resources, you can automate and run tasks as a workflow by creating a [logic app](#) that uses minimal code. These resources can publish events to an [Azure event grid](#). In turn, the event grid pushes those events to subscribers that have queues, webhooks, or [event hubs](#) as endpoints. As a subscriber, your logic app can wait for those events from the event grid before running automated workflows to perform tasks.

Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on the actual use case scenario example, please refer to the following URL

<https://docs.microsoft.com/en-us/azure/event-grid/monitor-virtual-machine-changes-event-grid-logic-app>

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[View Queries](#)[open](#) ▼**Question 18****Incorrect****Domain :Connect to and consume Azure services and third-party services**

You have to develop a workflow in the Azure Logic App service to perform the following actions

Trigger the workflow whenever a deallocation activity occurs for a virtual machine

Send an email to the IT Administrator with details of the activity

Which of the following would you add as a control in your workflow to perform an action if the workflow is actually triggered?

- A. Resource
- B. Condition ✓
- ✓ C. Check ✗
- D. Version

Explanation:

Answer – B

You would add a Condition control to check the details of the event.

This is also given in the Microsoft documentation as an example

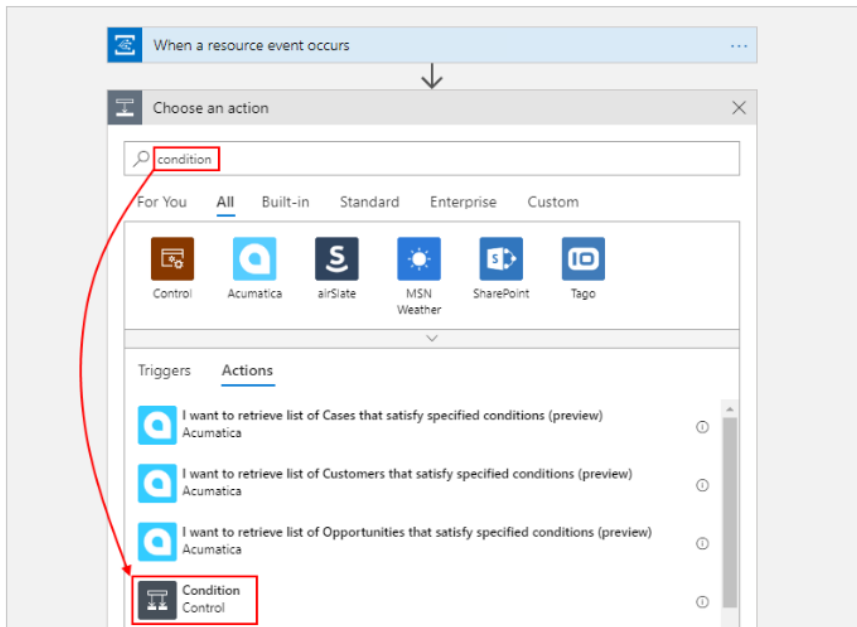
Add a condition

If you want your logic app to run only when a specific event or operation happens, add a condition that checks for the

`Microsoft.Compute/virtualMachines/write` operation. When this condition is true, your logic app sends you email with details about the updated virtual machine.

2. Under **Choose an action**, in the search box, enter `condition` as your filter.

From the actions list, select the **Condition** action.



Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on the actual use case scenario example, please refer to the following URL

<https://docs.microsoft.com/en-us/azure/event-grid/monitor-virtual-machine-changes-event-grid-logic-app>

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Question 19

Incorrect

Domain :Connect to and consume Azure services and third-party services

You have to develop a workflow in the Azure Logic App service to perform the following actions

Trigger the workflow whenever a deallocation activity occurs for a virtual machine

Send an email to the IT Administrator with details of the activity

Which of the following would you check in the event data object?

- A. operationName property is equal to Microsoft.Compute/virtualMachines/write ✓
- ✓ B. resource property is equal to Microsoft.Compute/virtualMachines ✗

- C. request body object is equal to Microsoft.Compute/virtualMachines
- D. request metadata property is equal to Microsoft.Compute/virtualMachines

Explanation:

Answer – A

Here we have to check for the operationName property. This needs to be validated against the value of Microsoft.Compute/virtualMachines/write.

This is also given in the Microsoft documentation as an example

4. Create a condition that checks the event `body` for a `data` object where the `operationName` property is equal to the `Microsoft.Compute/virtualMachines/write` operation. Learn more about [Event Grid event schema](#).

Since this is clearly given in the Microsoft documentation, all other options are incorrect


For more information on the actual use case scenario example, please refer to the following URL

<https://docs.microsoft.com/en-us/azure/event-grid/monitor-virtual-machine-changes-event-grid-logic-app>

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Question 20

Incorrect

Domain :Develop Azure compute solutions

You are developing a set of Azure Functions. You have deployed a new Azure Function App. The Function App uses the underlying language runtime of .Net Core 3.1. You have to configure the logging level for the Azure Functions. In which of the following would you configure the logging details?

- A. function.json
- B. host.json 
- ✓ C. app.json 
- D. app.xml

Explanation:

Answer – B

You would configure logging in the host.json file.

This is also mentioned in the Microsoft documentation

Configure categories and log levels

You can use Application Insights without any custom configuration. The default configuration can result in high volumes of data. If you're using a Visual Studio Azure subscription, you might hit your data cap for Application Insights. Later in this article, you learn how to configure and customize the data that your functions send to Application Insights. For a function app, logging is configured in the [host.json](#) file.

Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on monitoring Azure Functions, please refer to the following URL

<https://docs.microsoft.com/en-us/azure/azure-functions/functions-monitoring?tabs=cmd>

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Question 21

Incorrect

Domain :Connect to and consume Azure services and third-party services

You have to develop a solution that will make use of the Azure Service Bus service. The solution would make use of queues in an Azure Service Bus instance. The number of senders is large, and the number of receivers is less. Which of the following are best practices when it comes to maximizing the throughput for the queue? Choose 2 answers from the options given below

- A. Is the sender resides in a different process, use multiple factories per process
- ✓ B. Is the sender resides in a different process, use a single factory per process 
- C. Leave batched store access enabled 

✓ D. Leave batched store access disabled 

Explanation:

Answer – B and C

There are different scenarios available in the Microsoft documentation when it comes to maximizing throughput for queues and topics.

Queue with a large number of senders

Goal: Maximize throughput of a queue or topic with a large number of senders. Each sender sends messages with a moderate rate. The number of receivers is small.

Service Bus enables up to 1000 concurrent connections to a messaging entity (or 5000 using AMQP). This limit is enforced at the namespace level, and queues/topics/subscriptions are capped by the limit of concurrent connections per namespace. For queues, this number is shared between senders and receivers. If all 1000 connections are required for senders, replace the queue with a topic and a single subscription. A topic accepts up to 1000 concurrent connections from senders, whereas the subscription accepts an additional 1000 concurrent connections from receivers. If more than 1000 concurrent senders are required, the senders should send messages to the Service Bus protocol via HTTP.

To maximize throughput, perform the following steps:

- If each sender resides in a different process, use only a single factory per process.
- Use asynchronous operations to take advantage of client-side batching.
- Use the default batching interval of 20 ms to reduce the number of Service Bus client protocol transmissions.
- Leave batched store access enabled. This access increases the overall rate at which messages can be written into the queue or topic.
- Set the prefetch count to 20 times the maximum processing rates of all receivers of a factory. This count reduces the number of Service Bus client protocol transmissions.

Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on best practices for Azure Service Bus, please refer to the following URL

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

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Question 22**Correct****Domain :Monitor, troubleshoot, and optimize Azure solutions**

You have to develop an ASP.Net web application. The web application would be deployed to an Azure Web App service. You must implement management of session information within the web application. The application should be able to save session state information and HTML output. Session state should be shared across all ASP.Net web applications. There should also be support for controlled and concurrent access to the same session state data for multiple readers and for a single writer.

You must decide on the right solution for storing the full HTTP responses.

You decide to enable Application Request Routing

Would this fulfil the requirement?

- A. Yes
- ✓ B. No ✓

Explanation:

Answer – B

Here the ideal solution is to use Azure Cache for Redis. This solution can be used to store session state data.

For more information on using the session state provider for Azure Cache for Redis, please refer to the following URL

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

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Question 23**Correct****Domain :Monitor, troubleshoot, and optimize Azure solutions**

You have to develop an ASP.NET web application. The web application would be deployed to an Azure Web App service. You must implement management of session information within the web application. The application should be able to save session state information and HTML output. Session state should be shared across all ASP.NET web applications. There should also be support for controlled and concurrent access to the same session state data for multiple readers and for a single writer.

You must decide on the right solution for storing the full HTTP responses.

You decide to use an instance of Azure Cache for Redis

Would this fulfil the requirement?


- ✓ A. Yes 
- B. No

Explanation:

Answer – A

Yes, this is the ideal solution for caching session state data.

ASP.NET Session State Provider for Azure Cache for Redis

05/01/2017 • 6 minutes to read •  +3

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

For more information on using the session state provider for Azure Cache for Redis, please refer to the following URL

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

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Question 24

Correct


Domain :Monitor, troubleshoot, and optimize Azure solutions

You have to develop an ASP.Net web application. The web application would be deployed to an Azure Web App service. You must implement management of session information within the web application. The application should be able to save session state information and HTML output. Session state should be shared across all ASP.Net web applications. There should also be support for controlled and concurrent access to the same session state data for multiple readers and for a single writer.

You must decide on the right solution for storing the full HTTP responses.

You decide to use an instance of Azure Event Hubs

Would this fulfil the requirement?

- A. Yes
- ✓ B. No 

Explanation:

Answer – B

This service is a data ingestion service and not a caching service.

Here the ideal solution is to use Azure Cache for Redis. This solution can be used to store session state data.

For more information on using the session state provider for Azure Cache for Redis, please refer to the following URL

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

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Question 25

Incorrect

Domain :Monitor, troubleshoot, and optimize Azure solutions

You have to develop an ASP.Net application. The application is an on-demand video streaming service. The application would be hosted on an Azure Web App service. To facilitate the delivery of content, you decide to use the Azure Content Delivery Network service.



An example of a URL which users would use for viewing a video is given below

<http://www.whizlab.com/videos/video1.mp4?quality=h>

All of the video content must expire from the cache after an hour. The videos of varying quality must be delivered from the closest regional point of presence.

You have to implement the right caching rules.

Which of the following would you choose for the caching behaviour?

- A. Bypass cache
- ✓ B. Default 
- C. Override 
- D. Set if missing

Explanation:

Answer – C

Here since you have to ensure that all content expires after an hour, you have to use the Override setting.

Caching behavior settings

For global and custom caching rules, you can specify the following **Caching behavior** settings:

- **Bypass cache:** Do not cache and ignore origin-provided cache-directive headers.
- **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.

Since this setting is used to explicitly set the cache duration, all other settings are incorrect

For more information on Azure CDN cache settings, please refer to the following URL

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

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Question 26

Correct

Domain :Monitor, troubleshoot, and optimize Azure solutions

You have to develop an ASP.Net application. The application is an on-demand video streaming service. The application would

be hosted on an Azure Web App service. To facilitate the delivery of content, you decide to use the Azure Content Delivery Network service.


An example of a URL which users would use for viewing a video is given below

<http://www.whizlab.com/videos/video1.mp4?quality=h>

All of the video content must expire from the cache after an hour. The videos of varying quality must be delivered from the closest regional point of presence.

You have to implement the right caching rules.

Which of the following would you choose as the cache expiration duration?

- A. 1 second
- B. 1 minute
- ✓ C. 1 hour 
- D. 1 day

Explanation:

Answer – C

Since the requirement mentions that the cache content needs to expire after an hour, we have to choose the setting of 1 hour.

Since the time frame is clearly mentioned in the requirement, all other options are incorrect.

For more information on Azure CDN cache settings, please refer to the following URL

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

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Question 27

Correct

Domain :Monitor, troubleshoot, and optimize Azure solutions

You have to develop an ASP.Net application. The application is an on-demand video streaming service. The application would be hosted on an Azure Web App service. To facilitate the delivery of content, you decide to use the Azure Content Delivery Network service.


An example of a URL which users would use for viewing a video is given below

<http://www.whizlab.com/videos/video1.mp4?quality=h>

All of the video content must expire from the cache after an hour. The videos of varying quality must be delivered from the closest regional point of presence.

You have to implement the right caching rules.

Which of the following would you choose as the Query string caching behaviour?

- A. Ignore query strings
- B. Bypass caching
- C. Bypass caching for query strings
- ✓ D. Cache every unique URL 

Explanation:

Answer – D

Here since we have to ensure every video of each type of quality is cached, we have to cache every unique URL

The other settings would not cache the video streams, hence they are all incorrect

For more information on Azure CDN cache settings, please refer to the following URL

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

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Question 28


Correct

Domain :Implement Azure security

Your company has a set of resources in Azure. Your team would develop web applications and then send across the build to the deployment team for subsequent deployment onto Azure. You have to ensure that your team has the ability to view resources in Azure. They should also be able to create support tickets for all subscriptions.

You must create a new custom role based on an existing role definition.

Which of the following would you use as the Powershell command for this requirement?

- ✓ A. Get-AzRoleDefinition "Reader" | ConvertTo-Json 
- B. Set-AzRoleDefinition "Reader" | ConvertTo-Json
- C. Get-AzRoleDefinition "Owner" | ConvertTo-Json
- D. Get-AzRoleDefinition "Reader" | ConvertTo-XML

Explanation:


Answer – A

Here we have to use the Get-AzRoleDefinition command.

An example of this is also given in the Microsoft documentation

List a custom role definition

To list a custom role definition, use [Get-AzRoleDefinition](#). This is the same command as you use for a built-in role.

| | |
|--|--|
| Azure PowerShell |  Copy |
| <code>Get-AzRoleDefinition <role_name> ConvertTo-Json</code> | |

Option B is incorrect since we have to use the Get-AzRoleDefinition command.

Option C is incorrect since the Owner role would have excess permissions that are not required for this scenario

Option D is incorrect since we have to use the ConvertTo-Json option


For more information on creating custom roles, please refer to the following URL

<https://docs.microsoft.com/en-us/azure/role-based-access-control/custom-roles-powershell>

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Question 29

Correct

Domain :Implement Azure security

Your company has a set of resources in Azure. Your team would develop web applications and then send across the build to the deployment team for subsequent deployment onto Azure. You have to ensure that your team has the ability to view resources in Azure. They should also be able to create support tickets for all subscriptions.

You must create a new custom role based on an existing role definition.

Which of the following would you add to the Actions section for the custom role?

✓ A. `"/read","Microsoft.Support/"` 

- B. `"/read"`
- C. `""`
- D. `"";"Microsoft.Support/""`

Explanation:

Answer – A

If you look at the Reader role in the documentation, here you can see that the Action of `"/read"` evaluates to giving read permissions for the resources.

Reader

Lets you view everything, but not make any changes.

Actions

| | |
|---------------------|--|
| <code>*/read</code> | Read resources of all types, except secrets. |
|---------------------|--|

And if you look at a role that has support to raise a support ticket, you will see the following action

| | |
|----------------------------------|------------------------------------|
| <code>Microsoft.Support/*</code> | Create and update a support ticket |
|----------------------------------|------------------------------------|

Since this is clearly mentioned in the Microsoft documentation, all other options are incorrect

For more information on the built-in roles in Azure, please refer to the following URL

<https://docs.microsoft.com/en-us/azure/role-based-access-control/built-in-roles>

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Question 30

Correct

Domain :Develop Azure compute solutions

You have to create a new Azure container instance. The container instance would be used to host a nginx container.


You also have to view the container instance's logs

You have to complete the below Azure CLI commands for this requirement

```
az Area 1 --resource-group whizlabs-rg --name whizlabcontainer --image nginx --dns-  
name-label whizlab-nginx --ports 80
```

```
az Area 2 --resource-group whizlabs-rg --name whizlabcontainer
```

Which of the following would go into Area 1?

- A. az instance create
- ✓ B. az container create 
- C. az instance logs
- D. az container logs

Explanation:



Answer - B

To create a new container instance, we have to use the az container create command

This is also given in the Microsoft documentation

Execute a command similar to the following to start a container instance. Set a `--dns-name-label` value that's unique within the Azure region where you create the instance. If you receive a "DNS name label not available" error message, try a different DNS name label.

Azure CLI

 Copy  Try It

```
az container create --resource-group myResourceGroup --name mycontainer
```

Since this is clearly mentioned in the Microsoft documentation, all other options are incorrect

For more information on Azure container instances, please refer to the following URL

<https://docs.microsoft.com/en-us/azure/container-instances/container-instances-quickstart>

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Question 31

Correct

Domain :Develop Azure compute solutions

You have to create a new Azure container instance. The container instance would be used to host a nginx container.
You also have to view the container instance's logs
You have to complete the below Azure CLI commands for this requirement

```
az Area 1 --resource-group whizlabs-rg --name whizlabcontainer --image nginx --dns-  
name-label whizlab-nginx --ports 80
```

```
az Area 2 --resource-group whizlabs-rg --name whizlabcontainer
```

Which of the following would go into Area 2?

- A. az instance create
- B. az container create
- C. az instance logs
- ✓ D. az container logs ✔

Explanation:

Answer - D

To pull the container logs, we have to use the az container logs command

This is also given in the Microsoft documentation

Pull the container logs

When you need to troubleshoot a container or the application it runs (or just see its output), start by viewing the container instance's logs.

Pull the container instance logs with the [az container logs](#) command:

| | | |
|--|------|--------|
| Azure CLI | Copy | Try It |
| <pre>az container logs --resource-group myResourceGroup --name mycontainer</pre> | | |

The output displays the logs for the container, and should show the HTTP GET requests generated when you viewed the application in your browser.

| | |
|--|------|
| Output | Copy |
| <pre>listening on port 80 ::ffff:10.240.255.55 - - [21/Mar/2019:17:43:53 +0000] "GET / HTTP/1.1" ::ffff:10.240.255.55 - - [21/Mar/2019:17:44:36 +0000] "GET / HTTP/1.1" ::ffff:10.240.255.55 - - [21/Mar/2019:17:44:36 +0000] "GET / HTTP/1.1"</pre> | |

Since this is clearly mentioned in the Microsoft documentation, all other options are incorrect

For more information on Azure container instances, please refer to the following URL

<https://docs.microsoft.com/en-us/azure/container-instances/container-instances-quickstart>

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Question 32

Correct

Domain :Develop for Azure storage

You have to develop an application that is going to work with Azure Cosmos DB. You have gone ahead and create an Azure Cosmos DB account of the SQL API.

You have to create a container using the .Net SDK.

You have to ensure that all items in the container have TTL enabled and does not have any expiration value

```
await whizlab_client.GetDatabase("whizlabdb").

Area 1

 (new ContainerProperties  
{  
    Id = "whizlab_customer",  
    PartitionKeyPath = "/city",  


Area 2

 = -1  
});
```

Which of the following would go into Area 1?

- A. GetContainerAsync
- B. SetContainerAsync
- C. NewContainerAsync
- ✓ D. CreateContainerAsync ✓

Explanation:

Answer – D

Here we have to use the CreateContainerAsync class.

An example of this is also given in the Microsoft documentation

Enable time to live on a container using SDK

.NET SDK

.NET SDK V2

.NET SDK V3

.NET SDK V3 (Microsoft.Azure.Cosmos)

C#

Copy

```
// Create a new container with TTL enabled and without any expiration
await client.GetDatabase("database").CreateContainerAsync(new ContainerProperties
{
    Id = "container",
    PartitionKeyPath = "/myPartitionKey",
    DefaultTimeToLive = -1 //(never expire by default)
});
```

Since this is clearly mentioned in the Microsoft documentation, all other options are incorrect

For more information on working with the time to live property for the items in Azure Cosmos DB, please refer to the following URL

<https://docs.microsoft.com/en-us/azure/cosmos-db/how-to-time-to-live>

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Question 33

Correct

Domain :Develop for Azure storage


You have to develop an application that is going to work with Azure Cosmos DB. You have gone ahead and create an Azure Cosmos DB account of the SQL API.

You have to create a container using the .Net SDK.

You have to ensure that all items in the container have TTL enabled and does not have any expiration value

```
await whizlab_client.GetDatabase("whizlabdb").Area 1 (new ContainerProperties
{
    Id = "whizlab_customer",
    PartitionKeyPath = "/city",
    Area 2 = -1
});
```

Which of the following would go into Area 2?

- ✓ A. **DefaultTimeToLive** 
- B. Value
- C. TTL
- D. Key

Explanation:

Answer – A

Here we have to set the property of DefaultTimeToLive

An example of this is also given in the Microsoft documentation

Enable time to live on a container using SDK

.NET SDK

.NET SDK V2

.NET SDK V3

.NET SDK V3 (Microsoft.Azure.Cosmos)

C#

Copy

```
// Create a new container with TTL enabled and without any expiration
await client.GetDatabase("database").CreateContainerAsync(new ContainerProperties
{
    Id = "container",
    PartitionKeyPath = "/myPartitionKey",
    DefaultTimeToLive = -1 //(never expire by default)
});
```

Since this is clearly mentioned in the Microsoft documentation, all other options are incorrect

For more information on working with the time to live property for the items in Azure Cosmos DB, please refer to the following URL

<https://docs.microsoft.com/en-us/azure/cosmos-db/how-to-time-to-live>

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Question 34

Correct

Domain :Develop for Azure storage

You have to develop an application that is going to work with Azure Blob storage.

```
private static async Task whizlab_readProperties(CloudBlobContainer whizlab_container)
{
    try
    {
        await whizlab_container.

Area 1


        Console.WriteLine("The public access level is : {0}", whizlab_container.

Area 2


        .PublicAccess);
    }
    catch (StorageException e)
    {
        Console.WriteLine(e.Message);
        Console.ReadLine();
    }
}
```

Which of the following would go into Area 1?

- A. `GetProperties();`
- ✓ B. `FetchAttributesAsync();` 
- C. `GetMetadata`
- D. `GetData();`

Explanation:

Answer – B

To get the properties of the container, we first have to use the `FetchAttributesAsync();` method.

An example of this is also given in the Microsoft documentation

The following code example fetches a container's system properties and writes some property values to a console window:

```
C# Copy
private static async Task ReadContainerPropertiesAsync(CloudBlobContainer
{
    try
    {
        // Fetch some container properties and write out their values.
        await container.FetchAttributesAsync();
        Console.WriteLine("Properties for container {0}", container.Sto
        Console.WriteLine("Public access level: {0}", container.Propert
        Console.WriteLine("Last modified time in UTC: {0}", container.F
    }
    catch (StorageException e)
    {
        Console.WriteLine("HTTP error code {0}: {1}",
            e.RequestInformation.HttpStatusCode,
            e.RequestInformation.ErrorCode);
        Console.WriteLine(e.Message);
        Console.ReadLine();
    }
}
```

Since this is clearly mentioned in the Microsoft documentation, all other options are incorrect

For more information on working with blob properties and metadata, please refer to the following URL

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

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Question 35

Incorrect

Domain :Develop for Azure storage

You have to develop an application that is going to work with Azure Blob storage.

```
private static async Task whizlab_readProperties(CloudBlobContainer whizlab_container)
{
    try
    {
        await whizlab_container. Area 1
        Console.WriteLine("The public access level is : {0}", whizlab_container. Area 2
        .PublicAccess);
    }
    catch (StorageException e)
    {
        Console.WriteLine(e.Message);
        Console.ReadLine();
    }
}
```

Which of the following would go into Area 2?

- A. **GetProperties**
- B. **Properties** ✓
- C. **Fetch**
- ✓ D. **Metadata** ✗

Explanation:

Answer – B

Here we can use the Properties property to work with the container level properties

An example of this is also given in the Microsoft documentation

The following code example fetches a container's system properties and writes some property values to a console window:

```
C# Copy

async Task ReadContainerPropertiesAsync(CloudBlobContainer container)

{
    // Fetch some container properties and write out their values.
    container.FetchAttributesAsync();
    e.WriteLine("Properties for container {0}", container.StorageUri.PrimaryUri);
    e.WriteLine("Public access level: {0}", container.Properties.PublicAccessLevel);
    e.WriteLine("Last modified time in UTC: {0}", container.Properties.LastModified);

    try
    {
        // Read the container's system properties.
        container.FetchPropertiesAsync();
    }
    catch (HttpRequestException e)
    {
        e.WriteLine("HTTP error code {0}: {1}",
            e.RequestInformation.HttpStatusCode,
            e.RequestInformation.ErrorCode);
        e.WriteLine(e.Message);
        e.ReadLine();
    }
}
```

Since this is clearly mentioned in the Microsoft documentation, all other options are incorrect

For more information on working with blob properties and metadata, please refer to the following URL

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

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Question 36

Correct

Domain : Monitor, troubleshoot, and optimize Azure solutions

You have configured an Azure Front Door service. The Front Door service is routing requests to web applications configured in the Azure Web App service. A request is being made for a 9 MB XML file along with Brotli compression. But the file is not being compressed.

Does Azure Front Door support the MIME type?

- ✓ A. Yes ✓
- B. No

Explanation:

Answer – A

If you look at the Microsoft documentation, when it comes to File compression for the Azure Front Door service, the XML MIME extension is supported.

File compression

Front Door can dynamically compress content on the edge, resulting in a smaller and faster response to your clients. All files are eligible for compression. However, a file must be of a MIME type that eligible for compression list. Currently, Front Door does not allow this list to be changed. The current list is:

- "application/eot"
- "application/font"
- "application/font-sfnt"
- "application/javascript"
- "application/json"
- "application/opentype"
- "application/otf"
- "application/pkcs7-mime"
- "application/truetype"
- "application/ttf",
- "application/vnd.ms-fontobject"
- "application/xhtml+xml"
- "application/xml"



For more information on Azure Front Door caching, please refer to the following URL

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

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Question 37

Incorrect

Domain :Monitor, troubleshoot, and optimize Azure solutions

You have configured an Azure Front Door service. The Front Door service is routing requests to web applications configured in the Azure Web App service. A request is being made for a 9 MB XML file along with Brotli compression. But the file is not being compressed.

Does Azure Front Door support the compression type?

- A. Yes 
- ✓ B. No 

Explanation:

Answer – A

If you look at the Microsoft documentation, when it comes to File compression for the Azure Front Door service, the compression type is supported.

Additionally, the file must also be between 1 KB and 8 MB in size, inclusive.

These profiles support the following compression encodings:

- [Gzip \(GNU zip\)](#)
- [Brotli](#)

If a request supports gzip and Brotli compression, Brotli compression takes precedence. When a request for an asset specifies compression and the request results in a cache miss, Front Door performs compression of the asset directly on the POP server. Afterward, the compressed file is served from the cache. The resulting item is returned with a transfer-encoding: chunked.

For more information on Azure Front Door caching, please refer to the following URL

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

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Question 38

Correct

Domain :Develop for Azure storage


You have an Azure Cosmos DB account of the type SQL API. A sample item is given below

```
{
  "customername" : "John",
  "city" : "New York"
}
```

You have to ensure the following query can be executed
 select * from customers order by customername, city asc
 You have to define a policy for this

```
{
  "automatic":true,
  "indexingMode":"Consistent",
  "includedPaths":[
    {
      "path":"/*"
    }
  ],
  "excludedPaths":[],
  Slot 1 : [
    {
      "path":"/customername ",
      "order":"ascending"
    },
    {
      "path":"/city",
      "order": Slot 2
    }
  ]
}
```

Which of the following would go into Slot 1?

- A. orderBy
- ✓ B. compositeIndexes 
- C. SortOrder
- D. descending
- E. ascending

Explanation:

Answer – B

If you need to order by multiple properties, you have to define a composite index

A Similar example of this is also given in the Microsoft documentation

Composite index defined for (name asc, age desc):

```
JSON Copy
{
  "automatic":true,
  "indexingMode":"Consistent",
  "includedPaths":[
    {
      "path":"/*"
    }
  ],
  "excludedPaths":[],
  "compositeIndexes":[
    [
      {
        "path":"/name",
        "order":"ascending"
      },
      {
        "path":"/age",
        "order":"descending"
      }
    ]
  ]
}
```

Since this is clearly mentioned in the Microsoft documentation, all other options are incorrect

For more information on indexes in Azure Cosmos DB, please refer to the following URL

<https://docs.microsoft.com/en-us/azure/cosmos-db/how-to-manage-indexing-policy>

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Question 39

Correct

Domain :Develop for Azure storage

You have an Azure Cosmos DB account of the type SQL API. A sample item is given below

```
{
```

```
  "customername" : "John",
```

```
  "city" : "New York"
```

```
}
```

You have to ensure the following query can be executed
 select * from customers order by customername, city asc
 You have to define a policy for this

```
{
  "automatic":true,
  "indexingMode":"Consistent",
  "includedPaths":[
    {
      "path":"/*"
    }
  ],
  "excludedPaths":[
    Slot 1 :[
      {
        "path":"/customername",
        "order":"ascending"
      },
      {
        "path":"/city",
        "order": Slot 2
      }
    ]
  ]
}
```

Which of the following would go into Slot 2?

- A. orderBy
- B. compositeIndexes
- C. SortOrder
- D. descending
- ✓ E. ascending ✓

Explanation:

Answer – E

Here since we need to order by both properties in ascending order, we need to use the ascending keyword

A similar example of this is also given in the Microsoft documentation

Composite index defined for (name asc, age desc):

```
JSON Copy
{
  "automatic":true,
  "indexingMode":"Consistent",
  "includedPaths":[
    {
      "path":"/*"
    }
  ],
  "excludedPaths":[],
  "compositeIndexes":[
    [
      {
        "path":"/name",
        "order":"ascending"
      },
      {
        "path":"/age",
        "order":"descending"
      }
    ]
  ]
}
```

Since this is clearly mentioned in the Microsoft documentation, all other options are incorrect

For more information on indexes in Azure Cosmos DB, please refer to the following URL

<https://docs.microsoft.com/en-us/azure/cosmos-db/how-to-manage-indexing-policy>

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Question 40**Correct****Domain :Develop Azure compute solutions**

View Case Study

You have to view the diagnostic information about the container during the startup process. Which of the following command would you execute to get the relevant information?

- A. az web config
- ✓ B. az container attach 
- C. az logs
- D. az docker logs

Explanation:

Answer – B

We can use the az container attach command for this purpose.

This is also given in the Microsoft documentation

Attach output streams

The [az container attach](#) command provides diagnostic information during container startup. Once the container has started, it streams STDOUT and STDERR to your local console.

For example, here is output from the task-based container in [Set the command line in a container instance](#), after having supplied a valid URL of a large text file to process:

| | |
|--|------|
| Azure CLI | Copy |
| <pre>az container attach --resource-group myResourceGroup --name mycontainer</pre> | |

Since this is clearly mentioned in the Microsoft documentation, all other options are incorrect

For more information on getting container instance logs, please refer to the following URL

<https://docs.microsoft.com/en-us/azure/container-instances/container-instances-get-logs>

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Question 41

Incorrect

Domain :Connect to and consume Azure services and third-party services

View Case Study

Which of the following would you use to store the end user agreements?

- A. Azure Event Hubs 
- ✓ B. Azure Event Grid 

- C. Azure Service Queue
- D. Azure Table storage

Explanation:

Answer – A

Based on the number of agreements generated per hour, its best to first ingest the data into Azure Event Hubs. Once the agreements are ingested , you can use Azure Event Hubs Capture to store the agreements in Azure Blob storage.

The other services mentioned as options are not ideal to use when you have so many agreements to ingest.

For more information on Azure Event Hubs, please refer to the following URL

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

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Question 42

Correct


Domain :Develop Azure compute solutions

[View Case Study](#)

You have to comply with the security requirement to ensure that the storage keys are only available to the container only in memory. You have to complete the below YAML template for this requirement.

```
apiVersion: '2018-10-01'
location: eastus
name: ContentContainer
properties:
  containers:
    - name: processor
      properties:
        environmentVariables: []
        image: ContentRegistry.azurecr.io/contentprocessor
        ports: []
      resources:
        requests:
          cpu: 1.0
          memoryInGB: 1.5
      - Slot 1
        - mountPath: /mnt/secrets
          name: secret
      osType: Linux
      restartPolicy: Always
      - Slot 2
        - name: contentvolume
      - Slot 3
        key: TXkgZmlyc3Qgc2VjcmV0IEZPTwo=
      tags: {}
      type: Microsoft.ContainerInstance/containerGroups
```

Which of the following would go into Slot 1?

- A. keyvault
- ✓ B. volumeMounts 
- C. volumes
- D. secret
- E. value

Explanation:

Answer – B

Here we have to specify the volumeMounts property.

An example is also given in the Microsoft documentation

YAML

```
apiVersion: '2018-10-01'
location: eastus
name: secret-volume-demo
properties:
  containers:
    - name: aci-tutorial-app
      properties:
        environmentVariables: []
        image: mcr.microsoft.com/azuredocs/aci-helloworld:latest
        ports: []
        resources:
          requests:
            cpu: 1.0
            memoryInGB: 1.5
        volumeMounts:
          - mountPath: /mnt/secrets
            name: secretvolume1
      osType: Linux
      restartPolicy: Always
  volumes:
    - name: secretvolume1
      secret:
        mysecret1: TXkgZmlyc3Qgc2VjcmV0IEZPTwo=
        mysecret2: TXkgc2Vjb25kIHNLy3JldCBCQVIK
tags: {}
type: Microsoft.ContainerInstance/containerGroups
```

Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on accessing secrets from within containers, please refer to the following URL

<https://docs.microsoft.com/en-us/azure/container-instances/container-instances-volume-secret>

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Question 43

Incorrect

Domain :Develop Azure compute solutions

View Case Study

You have to comply with the security requirement to ensure that the storage keys are only available to the container only in memory. You have to complete the below YAML template for this requirement.



```
apiVersion: '2018-10-01'

location: eastus

name: ContentContainer

properties:
  containers:
    - name: processor
      properties:
        environmentVariables: []
        image: ContentRegistry.azurecr.io/contentprocessor
        ports: []
      resources:
        requests:
          cpu: 1.0
          memoryInGB: 1.5
          Slot 1
        - mountPath: /mnt/secrets
          name: secret
      osType: Linux
      restartPolicy: Always
      Slot 2
        - name: contentvolume
          Slot 3
          key: TXkgZmlyc3Qgc2VjcmV0IEZPTwo=
      tags: {}
      type: Microsoft.ContainerInstance/containerGroups
```

Which of the following would go into Slot 2?

- ✓ A. **keyvault** 
- B. **volumeMounts**
- C. **volumes** 
- D. **secret**

E. value

Explanation:

Answer – C

Here we have to mention the volumes property

An example is also given in the Microsoft documentation

YAML

```
apiVersion: '2018-10-01'
location: eastus
name: secret-volume-demo
properties:
  containers:
    - name: aci-tutorial-app
      properties:
        environmentVariables: []
        image: mcr.microsoft.com/azuredocs/aci-helloworld:latest
        ports: []
        resources:
          requests:
            cpu: 1.0
            memoryInGB: 1.5
        volumeMounts:
          - mountPath: /mnt/secrets
            name: secretvolume1
      osType: Linux
      restartPolicy: Always
      volumes:
        - name: secretvolume1
          secret:
            mysecret1: TXkgZmlyc3Qgc2VjcWV0IEZPTwo=
            mysecret2: TXkgc2Vjb25kIHNLV3JldCBCQVIK
tags: {}
type: Microsoft.ContainerInstance/containerGroups
```

Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on accessing secrets from within containers, please refer to the following URL

<https://docs.microsoft.com/en-us/azure/container-instances/container-instances-volume-secret>

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Question 44

Correct

Domain :Develop Azure compute solutions

[View Case Study](#)

You have to comply with the security requirement to ensure that the storage keys are only available to the container only in memory. You have to complete the below YAML template for this requirement.

```
apiVersion: '2018-10-01'
```

```
location: eastus
```

```
name: ContentContainer
```

```
properties:
```

```
containers:
```

```
- name: processor
```

```
properties:
```

```
environmentVariables: []
```

```
image: ContentRegistry.azurecr.io/contentprocessor
```

```
ports: []
```

```
resources:
```

```
requests:
```

```
cpu: 1.0
```

```
memoryInGB: 1.5
```

```
Slot 1
```

```
- mountPath: /mnt/secrets
```

```
name: secret
```

```
osType: Linux
```

```
restartPolicy: Always
```

```
Slot 2
```

```
- name: contentvolume
```

```
Slot 3
```

```
key: TXkgZmlyc3Qgc2VjcmV0IEZPTwo=
```

```
tags: {}
```

```
type: Microsoft.ContainerInstance/containerGroups
```

Which of the following would go into Slot 3?

- A. `keyvault`
- B. `volumeMounts`
- C. `volumes`
- ✓ D. `secret` ✓
- E. `value`

Explanation:

Answer – D

Here we have to mention the secret property

An example is also given in the Microsoft documentation

YAML

```
apiVersion: '2018-10-01'
location: eastus
name: secret-volume-demo
properties:
  containers:
    - name: aci-tutorial-app
      properties:
        environmentVariables: []
        image: mcr.microsoft.com/azuredocs/aci-helloworld:latest
        ports: []
        resources:
          requests:
            cpu: 1.0
            memoryInGB: 1.5
        volumeMounts:
          - mountPath: /mnt/secrets
            name: secretvolume1
      osType: Linux
      restartPolicy: Always
      volumes:
        - name: secretvolume1
          secret:
            mysecret1: TXkgZmlyc3Qgc2VjcmlV0IEZPTwo=
            mysecret2: TXkgc2Vjb25kIHNLy3JldCBCQVVK
tags: {}
type: Microsoft.ContainerInstance/containerGroups
```

Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on accessing secrets from within containers, please refer to the following URL

<https://docs.microsoft.com/en-us/azure/container-instances/container-instances-volume-secret>

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Question 45

Correct

Domain :Develop for Azure storage

You have an Azure storage account. You have to fetch and set the Metadata for the blobs in the storage account via a .Net module.

You issue the following methods for setting the metadata

```
GetMetadata();
```

```
Metadata.Add();
```

Is this the right sequence of steps?

A. Yes

✓ B. No 

Explanation:

Answer – B

To fetch the properties of a Blob , you need to use the `FetchAttributesAsync()` method.

And then to set the metadata properties, you have to issue the `Metadata.Add()` and `SetMetadataAsync()` method.

For more information on working with properties and metadata from .Net, please refer to the following URL

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

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Question 46

Correct

Domain :Develop for Azure storage

You have an Azure storage account. You have to fetch and set the Metadata for the blobs in the storage account via a .Net module.


You issue the following methods for setting the metadata

FetchAttributesAsync();

Metadata.Add();

SetMetadataAsync();

Is this the right sequence of steps?

- ✓ A. Yes 
- B. No

Explanation:

Answer – A

Yes, this is the right sequence of steps.

The Microsoft documentation mentions the following

to retrieve blob properties, call the `FetchAttributes` or `FetchAttributesAsync` method on our blob to populate the `Properties` property. The following code example gets a blob's system properties and displays some of the values:

```
C#  Copy

private static async Task GetBlobPropertiesAsync(CloudBlob blob)
{
    try
    {
        // Fetch the blob properties.
        await blob.FetchAttributesAsync();

        // Display some of the blob's property values.
        Console.WriteLine(" ContentLanguage: {0}", blob.Properties.ContentLanguage);
        Console.WriteLine(" ContentType: {0}", blob.Properties.ContentType);
        Console.WriteLine(" Created: {0}", blob.Properties.Created);
        Console.WriteLine(" LastModified: {0}", blob.Properties.LastModified);
    }
    catch (StorageException e)
    {
        Console.WriteLine("HTTP error code {0}: {1}",
            e.RequestInformation.HttpStatusCode,
            e.RequestInformation.ErrorCode);
        Console.WriteLine(e.Message);
        Console.ReadLine();
    }
}
```

The following code example sets metadata on a blob. One value is set using the collection `Add` method. The other value is set using implicit key/value syntax.

```
C# 
public static async Task AddBlobMetadataAsync(CloudBlob blob)
{
    try
    {
        // Add metadata to the blob by calling the Add method.
        blob.Metadata.Add("docType", "textDocuments");

        // Add metadata to the blob by using key/value syntax.
        blob.Metadata["category"] = "guidance";

        // Set the blob's metadata.
        await blob.SetMetadataAsync();
    }
    catch (StorageException e)
    {
        Console.WriteLine("HTTP error code {0}: {1}",
            e.RequestInformation.HttpStatusCode,
            e.RequestInformation.ErrorCode);
        Console.WriteLine(e.Message);
        Console.ReadLine();
    }
}
```

For more information on working with properties and metadata from .Net, please refer to the following URL

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

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Question 47

Correct

Domain :Develop for Azure storage

You have an Azure storage account. You have to fetch and set the Metadata for the blobs in the storage account via a .Net module.


You issue the following methods for setting the metadata

GetMetadata();

Metadata.Add();

SetMetadataAsync();

Is this the right sequence of steps?

- A. Yes
- ✓ B. No 

Explanation:

Answer – B

To fetch the properties of a Blob , you need to use the FetchAttributesAsync() method.

And then to set the metadata properties, you have to issue the Metadata.Add() and SetMetadataAsync() method.


For more information on working with properties and metadata from .Net, please refer to the following URL

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

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Question 48

Incorrect

Domain :Connect to and consume Azure services and third-party services




Your company has to develop a solution that needs to make use of a messaging service in Azure. The messaging system needs to have the following properties

Provide transactional support

Support duplicate detection of messages

Messages should never expire

Which of the following could be used for this requirement? Choose 2 answers from the options given below

- A. Azure Event Hubs
- ✓ B. Azure Service Bus Queue 
- C. Azure Service Bus topic 
- ✓ D. Azure Storage Queues 

Explanation:

Answer – B and C

When you create an Azure Service Bus queue or topic, you can literally mention years and years for the messages to remain in either the queue or topic.

Create queue

Service Bus



Name * ⓘ

Max queue size

1 GB

Message time to live ⓘ

| Days | Hours | Minutes | Seconds |
|----------|-------|---------|---------|
| 10675198 | 0 | 0 | 0 |

Lock duration ⓘ

| Days | Hours | Minutes | Seconds |
|------|-------|---------|---------|
| 0 | 0 | 0 | 30 |

☐ Enable duplicate detection ⓘ

☐ Enable dead lettering on message expiration ⓘ

☐ Enable sessions ⓘ

☐ Enable partitioning ⓘ

Options A and D are incorrect since here the messages have a maximum retention of 7 days.

For more information on message expiration for Azure Service Bus, please refer to the following URL

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

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Question 49

Incorrect



Domain :Develop Azure compute solutions

You currently have an Azure Function defined as part of your Azure subscription. The Function takes messages from an Azure Storage Queue and stores the messages in an Azure SQL Database.

At times, the Azure Function errors out with the following error message

Timeout expired. The timeout period elapsed prior to obtaining a connection from the pool. This may have occurred because all pooled connections were in use and max pool size was reached.

Which of the following can be done to resolve this issue?

- A. Edit the host.json file and change the batchSize property 
- B. Edit the function.json file and change the queueMax property
- C. Change the trigger type to a Timer trigger
- ✓ D. Change the App Service Plan to a Premium App Service Plan 

Explanation:

Answer – A

Here the issue could be that the Azure Function is executing in parallel and taking up all the connections in the connection pool. You can either increase the connection pool property on the database side or change the host.json file and edit the batchSize property which tells how many parallel executions should be allowed for the functions defined in the function app.

The Microsoft documentation mentions the following on the property

| | | |
|-----------|----|---|
| batchSize | 16 | The number of queue messages that the Functions runtime retrieves simultaneously and processes in parallel. When the number being processed gets down to the newBatchThreshold, the runtime gets another batch and starts processing those messages. So the maximum number of concurrent messages being processed per function is batchSize plus newBatchThreshold. This limit applies separately to each queue-triggered function. |
|-----------|----|---|

If you want to avoid parallel execution for messages received on one queue, you can set batchSize to 1. However, this setting eliminates concurrency only so long as your function app runs on a single virtual machine (VM). If the function app scales out to multiple VMs, each VM could run one instance of each queue-triggered function.

The maximum batchSize is 32.

Since this is the ideal logical step to take, all other options are incorrect

For more information on the function bindings for storage queues, please refer to the following URL

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

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Question 50

Incorrect

Domain :Connect to and consume Azure services and third-party services

You have to develop a solution which would perform the following operations

Configure events to be send to an Azure Hub instance

The events would be sent via the Event Grid service

You have to complete the below Azure CLI script for this requirement

```
namespace=whizlabnamespace3000
```

```
hubname=whizlabhub
```

```
topicname=whizlab
```

```
az eventhubs namespace create --name $namespace --resource-group whizlabs-rg
```

```
az eventhubs Area 1 create --name $hubname --namespace-name $namespace --resource-group whizlabs-rg
```

```
whizlabhubid=$(az eventhubs eventhub show --name $hubname --namespace-name $namespace --resource-group whizlabs-rg --query id --output tsv)
```

```
az Area 2 event-subscription create \
```

```
--topic-name $topicname \
```

```
-g whizlabs-rg \
```

```
--name subtoeventhub \
```

```
--endpoint-type Area 3 \
```

```
--endpoint $hubid
```

Which of the following would go into Area 1?

- A. eventgrid
- B. eventhub ✓
- C. subscription
- ✓ D. topic ✗

Explanation:

Answer – B

Here we need to use the eventhub keyword to create an event hub

An example of this is also given in the Microsoft documentation

Create event hub

Before subscribing to the custom topic, let's create the endpoint for the event message. You create an event hub for collecting the events.

```
Azure CLI Copy Try It  
  
namespace=<unique-namespace-name>  
hubname=demohub  
  
az eventhubs namespace create --name $namespace --resource-group gridResourceGroup  
az eventhubs eventhub create --name $hubname --namespace-name $namespace --resource
```

Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on creating events for the event hub service, please refer to the following URL

<https://docs.microsoft.com/en-us/azure/event-grid/custom-event-to-eventhub>

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Question 51

Correct

Domain :Connect to and consume Azure services and third-party services

You have to develop a solution which would perform the following operations


Configure events to be send to an Azure Hub instance

The events would be sent via the Event Grid service

You have to complete the below Azure CLI script for this requirement

```
namespace=whizlabnamespace3000
hubname=whizlabhub
topicname=whizlab
az eventhubs namespace create --name $namespace --resource-group whizlabs-rg
az eventhubs Area 1 create --name $hubname --namespace-name $namespace --resource-
group whizlabs-rg
whizlabhubid=$(az eventhubs eventhub show --name $hubname --namespace-name $namespace --
resource-group whizlabs-rg --query id --output tsv)
az Area 2 event-subscription create \
--topic-name $topicname \
-g whizlabs-rg \
--name subtoeventhub \
--endpoint-type Area 3 \
--endpoint $hubid
```

Which of the following would go into Area 2?

- ✓ A. eventgrid 
- B. eventhub
- C. subscription
- D. topic

Explanation:

Answer - A

Here we need to use the eventgrid keyword to create a subscription onto Azure Event Grid

An example of this is also given in the Microsoft documentation

Subscribe to a custom topic

You subscribe to an event grid topic to tell Event Grid which events you want to track. The following example subscribes to the custom topic you created, and passes the resource ID of the event hub for the endpoint. The endpoint is in the format:

```
/subscriptions/<subscription-id>/resourceGroups/<resource-group-name>/providers/Microsoft.EventHub/namespaces/<namespace-name>/eventhubs/<hub-name>
```

The following script gets the resource ID for the event hub, and subscribes to an event grid topic. It sets the endpoint type to `eventhub` and uses the event hub ID for the endpoint.

```
Azure CLI Copy Try It  
  
hubid=$(az eventhubs eventhub show --name $hubname --namespace-name $namespace --re  
az eventgrid event-subscription create \  
  --topic-name $topicname \  
  -g gridResourceGroup \  
  --name subtoeventhub \  
  --endpoint-type eventhub \  
  --endpoint $hubid
```

The account that creates the event subscription must have write access to the event hub.

Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on creating events for the event hub service, please refer to the following URL

<https://docs.microsoft.com/en-us/azure/event-grid/custom-event-to-eventhub>

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Question 52

Correct

Domain :Connect to and consume Azure services and third-party services

You have to develop a solution which would perform the following operations

Configure events to be send to an Azure Hub instance

The events would be sent via the Event Grid service

You have to complete the below Azure CLI script for this requirement

```
namespace=whizlabnamespace3000
hubname=whizlabhub
topicname=whizlab
az eventhubs namespace create --name $namespace --resource-group whizlabs-rg
az eventhubs Area 1 create --name $hubname --namespace-name $namespace --resource-group whizlabs-rg
whizlabhubid=$(az eventhubs eventhub show --name $hubname --namespace-name $namespace --resource-group whizlabs-rg --query id --output tsv)
az Area 2 event-subscription create \
--topic-name $topicname \
-g whizlabs-rg \
--name subtoeventhub \
--endpoint-type Area 3 \
--endpoint $hubid
```

Which of the following would go into Area 3?

- A. eventgrid
- ✓ B. eventhub ✓
- C. subscription
- D. topic

Explanation:

Answer – B

Here we need to use the eventhub keyword as the endpoint type

An example of this is also given in the Microsoft documentation

Subscribe to a custom topic

You subscribe to an event grid topic to tell Event Grid which events you want to track. The following example subscribes to the custom topic you created, and passes the resource ID of the event hub for the endpoint. The endpoint is in the format:

```
/subscriptions/<subscription-id>/resourceGroups/<resource-group-name>/providers/Microsoft.EventHub/namespaces/<namespace-name>/eventhubs/<hub-name>
```

The following script gets the resource ID for the event hub, and subscribes to an event grid topic. It sets the endpoint type to `eventhub` and uses the event hub ID for the endpoint.

Azure CLI

Copy
Try It

```

hubid=$(az eventhubs eventhub show --name $hubname --namespace-name $namespace --re

az eventgrid event-subscription create \
  --topic-name $topicname \
  -g gridResourceGroup \
  --name subtoeventhub \
  --endpoint-type eventhub \
  --endpoint $hubid

```

The account that creates the event subscription must have write access to the event hub.

Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on creating events for the event hub service, please refer to the following URL

<https://docs.microsoft.com/en-us/azure/event-grid/custom-event-to-eventhub>

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Question 53

Correct

Domain :Connect to and consume Azure services and third-party services

You have to develop an application which would be used to interact with Azure Event Hubs. You have created an Azure Event Hub namespace and the Event Hub itself. You now have to develop the required module to send messages to the Event Hub.

```
static async Task Main()
{
    await using (var whizlab_client = new EventHubProducerClient(whizlab_conn,
whizlabhubname))
    {
        using Area 1 _whizlab = await whizlab_client. Area 2

            _whizlab.TryAdd(new EventData(Encoding.UTF8.GetBytes("Data Event 1")));
            _whizlab.TryAdd(new EventData(Encoding.UTF8.GetBytes("Data Event 1")));
            _whizlab.TryAdd(new EventData(Encoding.UTF8.GetBytes("Data Event 1")));

        await whizlab_client. Area 3 (_whizlab);    } }
```

Which of the following would go into Area 1?

- A. `SendAsync`
- B. `EventData`
- ✓ C. `EventDataBatch` ✓
- D. `CreateBatchAsync`

Explanation:

Answer – C

Here we have to create an object of the class type `EventDataBatch`

An example of this is also given in the Microsoft documentation

```
C# Copy

static async Task Main()
{
    // Create a producer client that you can use to send events to an event hub
    await using (var producerClient = new EventHubProducerClient(connectionString))
    {
        // Create a batch of events
        using EventDataBatch eventBatch = await producerClient.CreateBatchAsync(
            partitionKey: "0",
            timeout: TimeSpan.FromSeconds(10));

        // Add events to the batch. An event is represented by a collection of
        eventBatch.TryAdd(new EventData(Encoding.UTF8.GetBytes("First event")));
        eventBatch.TryAdd(new EventData(Encoding.UTF8.GetBytes("Second event")));
        eventBatch.TryAdd(new EventData(Encoding.UTF8.GetBytes("Third event")));

        // Use the producer client to send the batch of events to the event hub
        await producerClient.SendAsync(eventBatch);
        Console.WriteLine("A batch of 3 events has been published.");
    }
}
```

Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on send events to Azure Event Hub, please refer to the following URL

<https://docs.microsoft.com/en-us/azure/event-hubs/get-started-dotnet-standard-send-v2>

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Question 54

Correct

Domain :Connect to and consume Azure services and third-party services


You have to develop an application which would be used to interact with Azure Event Hubs. You have created an Azure Event Hub namespace and the Event Hub itself. You now have to develop the required module to send messages to the Event Hub.

```
static async Task Main()
{
    await using (var whizlab_client = new EventHubProducerClient(whizlab_conn,
whizlabhubname))
    {
        using Area 1 _whizlab = await whizlab_client. Area 2

            _whizlab.TryAdd(new EventData(Encoding.UTF8.GetBytes("Data Event 1")));
            _whizlab.TryAdd(new EventData(Encoding.UTF8.GetBytes("Data Event 1")));
            _whizlab.TryAdd(new EventData(Encoding.UTF8.GetBytes("Data Event 1")));

        await whizlab_client. Area 3 (_whizlab);    } }
```

Which of the following would go into Area 2?

- A. `SendAsync`
- B. `EventData`
- C. `EventDataBatch`
- ✓ D. `CreateBatchAsync` 

Explanation:

Answer - D

Here we have to invoke the method of `CreateBatchAsync`

An example of this is also given in the Microsoft documentation

```
C# Copy

static async Task Main()
{
    // Create a producer client that you can use to send events to an event hub
    await using (var producerClient = new EventHubProducerClient(connectionString))
    {
        // Create a batch of events
        using EventDataBatch eventBatch = await producerClient.CreateBatchAsync(
            // Add events to the batch. An event is represented by a collection of
            eventBatch.TryAdd(new EventData(Encoding.UTF8.GetBytes("First event")));
            eventBatch.TryAdd(new EventData(Encoding.UTF8.GetBytes("Second event")));
            eventBatch.TryAdd(new EventData(Encoding.UTF8.GetBytes("Third event")));

            // Use the producer client to send the batch of events to the event hub
            await producerClient.SendAsync(eventBatch);
            Console.WriteLine("A batch of 3 events has been published.");
        }
    }
}
```

Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on send events to Azure Event Hub, please refer to the following URL

<https://docs.microsoft.com/en-us/azure/event-hubs/get-started-dotnet-standard-send-v2>

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Question 55

Correct

Domain :Connect to and consume Azure services and third-party services

You have to develop an application which would be used to interact with Azure Event Hubs. You have created an Azure Event Hub namespace and the Event Hub itself. You now have to develop the required module to send messages to the Event Hub.

```
static async Task Main()
{
    await using (var whizlab_client = new EventHubProducerClient(whizlab_conn,
whizlabhubname))
    {
        using Area 1 _whizlab = await whizlab_client. Area 2

        _whizlab.TryAdd(new EventData(Encoding.UTF8.GetBytes("Data Event 1")));
        _whizlab.TryAdd(new EventData(Encoding.UTF8.GetBytes("Data Event 1")));
        _whizlab.TryAdd(new EventData(Encoding.UTF8.GetBytes("Data Event 1")));

        await whizlab_client. Area 3 (_whizlab);    } }
```

Which of the following would go into Area 3?

- ✓ A. **SendAsync** ✓
- B. **EventData**
- C. **EventDataBatch**
- D. **CreateBatchAsync**

Explanation:

Answer – A

Here we invoke the method of SendAsync to send the messages to the event hub

An example of this is also given in the Microsoft documentation


```
C# Copy

static async Task Main()
{
    // Create a producer client that you can use to send events to an event hub
    await using (var producerClient = new EventHubProducerClient(connectionStrin
    {
        // Create a batch of events
        using EventDataBatch eventBatch = await producerClient.CreateBatchAsync(

        // Add events to the batch. An event is a represented by a collection of
        eventBatch.TryAdd(new EventData(Encoding.UTF8.GetBytes("First event")));
        eventBatch.TryAdd(new EventData(Encoding.UTF8.GetBytes("Second event")));
        eventBatch.TryAdd(new EventData(Encoding.UTF8.GetBytes("Third event")));

        // Use the producer client to send the batch of events to the event hub
        await producerClient.SendAsync(eventBatch);
        Console.WriteLine("A batch of 3 events has been published.");
    }
}
```

Since this is clearly given in the Microsoft documentation, all other options are incorrect

For more information on send events to Azure Event Hub, please refer to the following URL

<https://docs.microsoft.com/en-us/azure/event-hubs/get-started-dotnet-standard-send-v2>

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