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Practice Test 2

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Exam	

Domains wise Quiz Performance Report

No	1
Domain	Develop for Azure Storage
Total Question	5
Correct	5
Incorrect	0
Unattempted	0
Marked for review	0

No	2
Domain	Develop Azure Infrastructure as a Service Compute Solutions
Total Question	7
Correct	7
Incorrect	0
Unattempted	0
Marked for review	0
No	3
Domain	Connect to and Consume Azure Services and Third Party Services
Total Question	12
Correct	12
Incorrect	0
Unattempted	0
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No	4
Domain	Implement Azure Security
Total Question	9
Correct	6
Incorrect	3
Unattempted	0
Marked for review	0

No	5
Domain	Develop Azure Platform as a Service Compute Solutions
Total Question	12
Correct	11
Incorrect	1
Unattempted	0
Marked for review	0
No	6
Domain	Monitor, troubleshoot, and optimize Azure solutions
Total Question	10
Correct	10
Incorrect	0
Unattempted	0
Marked for review	0
Total	Total
All Domain	All Domain
Total Question	55
Correct	51
Incorrect	4
Unattempted	0
Marked for review	0

Review the Answers

Sorting by

All

Question 1

Correct

Domain :Develop for Azure Storage

A development team is developing an application. The application will be storing its data in Azure Table storage. Below are the fields that are going to be stored in the table

Region

Email address

Phone number

The following snippet of code needs to be completed that would be used to insert a batch of records.

```
private static void InsertBatch()
{
    CloudStorageAccount whizlabs_storage = CloudStorageAccount.Parse(conn_string);
    CloudTableClient whizlabs_table_client = whizlabs_storage.CreateCloudTableClient();
    CloudTable whizlabs_table = whizlabs_table_client.GetTableReference("Customer");

    Slot1 whizlabs_batch = new Slot2

    Customer customer_obj1 = new Customer(4, "May");
    customer_obj1.Email = "May@whizlabs.com";

    Customer customer_obj2 = new Customer(4, "Carrie");
    customer_obj2.Email = "Carrie@whizlabs.com";

    whizlabs_batch.Insert(customer_obj1);
    whizlabs_batch.Insert(customer_obj2);

    whizlabs_table. Slot3 (whizlabs_batch);

    Console.WriteLine("Records Inserted");

    Console.ReadKey();
}
```

Which of the following will go into Slot1?

- A. TableOperation
- ✓ B. TableBatchOperation ✓
- C. TableEntity
- D. TableQuery

Explanation:

Answer – B

Since this is a batch operation, we have to use the TableBatchOperation Type. An example is also given in the Microsoft documentation

```
// Retrieve the storage account from the connection string.
CloudStorageAccount storageAccount = CloudStorageAccount.Parse(
    CloudConfigurationManager.GetSetting("StorageConnectionString"));

// Create the table client.
CloudTableClient tableClient = storageAccount.CreateCloudTableClient();

// Create the CloudTable object that represents the "people" table.
CloudTable table = tableClient.GetTableReference("people");

// Create the batch operation.
TableBatchOperation batchOperation = new TableBatchOperation();

// Create a customer entity and add it to the table.
CustomerEntity customer1 = new CustomerEntity("Smith", "Jeff");
customer1.Email = "Jeff@contoso.com";
customer1.PhoneNumber = "425-555-0104";

// Create another customer entity and add it to the table.
CustomerEntity customer2 = new CustomerEntity("Smith", "Ben");
customer2.Email = "Ben@contoso.com";
customer2.PhoneNumber = "425-555-0102";

// Add both customer entities to the batch insert operation.
batchOperation.Insert(customer1);
batchOperation.Insert(customer2);

// Execute the batch operation.
table.ExecuteBatch(batchOperation);
```

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

For more information on using table storage with .Net, one can go to the below link

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

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Question 2

Correct

Domain :Develop for Azure Storage

A development team is developing an application. The application will be storing its data in Azure Table storage. Below are the fields that are going to be stored in the table

Region

Email address

Phone number

The following snippet of code needs to be completed that would be used to insert a batch of records.

```
private static void InsertBatch()
{
    CloudStorageAccount whizlabs_storage = CloudStorageAccount.Parse(conn_string);
    CloudTableClient whizlabs_table_client = whizlabs_storage.CreateCloudTableClient();
    CloudTable whizlabs_table = whizlabs_table_client.GetTableReference("Customer");

    Slot1 whizlabs_batch = new Slot2

    Customer customer_obj1 = new Customer(4, "May");
    customer_obj1.Email = "May@whizlabs.com";

    Customer customer_obj2 = new Customer(4, "Carrie");
    customer_obj2.Email = "Carrie@whizlabs.com";

    whizlabs_batch.Insert(customer_obj1);
    whizlabs_batch.Insert(customer_obj2);

    whizlabs_table. Slot3 (whizlabs_batch);

    Console.WriteLine("Records Inserted");

    Console.ReadKey();
}
```

Which of the following will go into Slot2?

- A. TableOperation
- ✓ B. TableBatchOperation ✓
- C. TableEntity
- D. TableQuery

Explanation:

Answer – B

Since this is a batch operation, we have to use the TableBatchOperation Type. An example is also given in the Microsoft documentation

```
// Retrieve the storage account from the connection string.
CloudStorageAccount storageAccount = CloudStorageAccount.Parse(
    CloudConfigurationManager.GetSetting("StorageConnectionString"));

// Create the table client.
CloudTableClient tableClient = storageAccount.CreateCloudTableClient();

// Create the CloudTable object that represents the "people" table.
CloudTable table = tableClient.GetTableReference("people");

// Create the batch operation.
TableBatchOperation batchOperation = new TableBatchOperation();

// Create a customer entity and add it to the table.
CustomerEntity customer1 = new CustomerEntity("Smith", "Jeff");
customer1.Email = "Jeff@contoso.com";
customer1.PhoneNumber = "425-555-0104";

// Create another customer entity and add it to the table.
CustomerEntity customer2 = new CustomerEntity("Smith", "Ben");
customer2.Email = "Ben@contoso.com";
customer2.PhoneNumber = "425-555-0102";

// Add both customer entities to the batch insert operation.
batchOperation.Insert(customer1);
batchOperation.Insert(customer2);

// Execute the batch operation.
table.ExecuteBatch(batchOperation);
```

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

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Question 3

Correct

Domain :Develop for Azure Storage

A development team is developing an application. The application will be storing its data in Azure Table storage. Below are the fields that are going to be stored in the table

Region

Email address

Phone number

The following snippet of code needs to be completed that would be used to insert a batch of records.

```
private static void InsertBatch()
{
    CloudStorageAccount whizlabs_storage = CloudStorageAccount.Parse(conn_string);
    CloudTableClient whizlabs_table_client = whizlabs_storage.CreateCloudTableClient();
    CloudTable whizlabs_table = whizlabs_table_client.GetTableReference("Customer");

    Slot1 whizlabs_batch = new Slot2

    Customer customer_obj1 = new Customer(4, "May");
    customer_obj1.Email = "May@whizlabs.com";

    Customer customer_obj2 = new Customer(4, "Carrie");
    customer_obj2.Email = "Carrie@whizlabs.com";

    whizlabs_batch.Insert(customer_obj1);
    whizlabs_batch.Insert(customer_obj2);

    whizlabs_table. Slot3 (whizlabs_batch);

    Console.WriteLine("Records Inserted");

    Console.ReadKey();
}
```

Which of the following will go into Slot3?

- ✓ A. **ExecuteBatch** ✓
- B. **Execute**
- C. **Insert**
- D. **InsertOrMerge**

Explanation:

Answer – A

We have to use the ExecuteBatch method to Execute the Insertion of the Batch of records. An example is also given in the Microsoft documentation


```
// Retrieve the storage account from the connection string.
CloudStorageAccount storageAccount = CloudStorageAccount.Parse(
    CloudConfigurationManager.GetSetting("StorageConnectionString"));

// Create the table client.
CloudTableClient tableClient = storageAccount.CreateCloudTableClient();

// Create the CloudTable object that represents the "people" table.
CloudTable table = tableClient.GetTableReference("people");

// Create the batch operation.
TableBatchOperation batchOperation = new TableBatchOperation();

// Create a customer entity and add it to the table.
CustomerEntity customer1 = new CustomerEntity("Smith", "Jeff");
customer1.Email = "Jeff@contoso.com";
customer1.PhoneNumber = "425-555-0104";

// Create another customer entity and add it to the table.
CustomerEntity customer2 = new CustomerEntity("Smith", "Ben");
customer2.Email = "Ben@contoso.com";
customer2.PhoneNumber = "425-555-0102";

// Add both customer entities to the batch insert operation.
batchOperation.Insert(customer1);
batchOperation.Insert(customer2);

// Execute the batch operation.
table.ExecuteBatch(batchOperation);
```

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

For more information on using table storage with .Net, one can go to the below link

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

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Question 4

Correct

Domain :Develop Azure Infrastructure as a Service Compute Solutions

A development team is preparing code that will work with the Azure Batch service. The code will be used to process videos and store them in a container in an Azure storage account. You need to ensure that the code will be able to store the processed videos from the Batch jobs to the storage container. You need to ensure code is in place to prepare the storage for the output videos.

You propose code to get the storage account access keys and submit them to the batch job
Would this solution fulfil the requirements?

- A. Yes
- ✓ B. No 

Explanation:

Answer – B

You should not use access keys, but instead you have to ensure that there is a shared access signature in place for the storage container. This is also mentioned in the Microsoft documentation.

Get a shared access signature for the container

After you create the container, get a shared access signature (SAS) with write access to the container. A SAS provides delegated access to the container. The SAS grants access with a specified set of permissions and over a specified time interval. The Batch service needs a SAS with write permissions to write task output to the container. For more information about SAS, see [Using shared access signatures \(SAS\) in Azure Storage](#).

When you get a SAS using the Azure Storage APIs, the API returns a SAS token string. This token string includes all parameters of the SAS, including the permissions and the interval over which the SAS is valid. To use the SAS to access a container in Azure Storage, you need to append the SAS token string to the resource URI. The resource URI, together with the appended SAS token, provides authenticated access to Azure Storage.

The following example shows how to get a write-only SAS token string for the container, then appends the SAS to the container URI:

C#



```
string containerSasToken = container.GetSharedAccessSignature(new SharedAccessBlobPolicy()
{
    SharedAccessExpiryTime = DateTimeOffset.UtcNow.AddDays(1),
    Permissions = SharedAccessBlobPermissions.Write
});

string containerSasUrl = container.Uri.AbsoluteUri + containerSasToken;
```

For more information on persisting output files, one can go to the below link

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

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Question 5

Correct

Domain :Develop Azure Infrastructure as a Service Compute Solutions

A development team is preparing code that will work with the Azure Batch service. The code will be used to process videos and store them in a container in an Azure storage account. You need to ensure that the code will be able to store the processed videos from the Batch jobs to the storage container. You need to ensure code is in place to prepare the storage for the output videos. You propose code to generate a shared access signature for the storage container. Would this solution fulfil the requirements?

- ✓ A. Yes 
- B. No

Explanation:

Answer – A

Yes, you need to generate a shared access signature. This is also mentioned in the Microsoft documentation.

Get a shared access signature for the container

After you create the container, get a shared access signature (SAS) with write access to the container. A SAS provides delegated access to the container. The SAS grants access with a specified set of permissions and over a specified time interval. The Batch service needs a SAS with write permissions to write task output to the container. For more information about SAS, see [Using shared access signatures \(SAS\) in Azure Storage](#).

When you get a SAS using the Azure Storage APIs, the API returns a SAS token string. This token string includes all parameters of the SAS, including the permissions and the interval over which the SAS is valid. To use the SAS to access a container in Azure Storage, you need to append the SAS token string to the resource URI. The resource URI, together with the appended SAS token, provides authenticated access to Azure Storage.

The following example shows how to get a write-only SAS token string for the container, then appends the SAS to the container URI:

C#



```
string containerSasToken = container.GetSharedAccessSignature(new SharedAccessBlobPolicy()
{
    SharedAccessExpiryTime = DateTimeOffset.UtcNow.AddDays(1),
    Permissions = SharedAccessBlobPermissions.Write
});

string containerSasUrl = container.Uri.AbsoluteUri + containerSasToken;
```

For more information on persisting output files, one can go to the below link

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

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Question 6

Correct

Domain :Develop Azure Infrastructure as a Service Compute Solutions

A development team is preparing code that will work with the Azure Batch service. The code will be used to process videos and store them in a container in an Azure storage account. You need to ensure that the code will be able to store the processed videos from the Batch jobs to the storage container. You need to ensure code is in place to prepare the storage for the output videos. You propose code to generate a CORS signature for the storage container.

Would this solution fulfil the requirements?

- A. Yes
- ✓ B. No 

Explanation:

Answer - B

You should not use CORS, but instead you have to ensure that there is a shared access signature in place for the storage container. This is also mentioned in the Microsoft documentation.

Get a shared access signature for the container

After you create the container, get a shared access signature (SAS) with write access to the container. A SAS provides delegated access to the container. The SAS grants access with a specified set of permissions and over a specified time interval. The Batch service needs a SAS with write permissions to write task output to the container. For more information about SAS, see [Using shared access signatures \(SAS\) in Azure Storage](#).

When you get a SAS using the Azure Storage APIs, the API returns a SAS token string. This token string includes all parameters of the SAS, including the permissions and the interval over which the SAS is valid. To use the SAS to access a container in Azure Storage, you need to append the SAS token string to the resource URI. The resource URI, together with the appended SAS token, provides authenticated access to Azure Storage.

The following example shows how to get a write-only SAS token string for the container, then appends the SAS to the container URI:

C#

 Copy

```
string containerSasToken = container.GetSharedAccessSignature(new SharedAccessBlobPolicy()  
{  
    SharedAccessExpiryTime = DateTimeOffset.UtcNow.AddDays(1),  
    Permissions = SharedAccessBlobPermissions.Write  
});  
  
string containerSasUrl = container.Uri.AbsoluteUri + containerSasToken;
```

For more information on persisting output files, one can go to the below link

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

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Question 7

Correct

Domain :Connect to and Consume Azure Services and Third Party Services

A company is implementing an order processing system. The orders are going to be published to an Azure Service Bus topic. The properties of the messages that would be sent are as follows

Property**Description****Location**

The region of the shipment

CorrelationId

Used as the priority value for the order

Quantity

User defined property that defines the order quantity

Audited

User defined property that defines the order date

The following subscriptions will be created. The requirement for each subscription is also given

Property**Description****LaterOrders**

This subscription will be used in the future and should not accept any orders at the moment

HighPriorityOrders

Here all the high priority orders should be sent

GlobalOrders

Here the order where the region is not USA should be sent


HighOrders

Orders where the quantity is greater than 1000 should be sent

AllOrders

For auditing purposes, all orders should be sent here

You need to implement the right filters for each of the subscriptions given above. Which of the following would you implement for the Subscription – LaterOrders?

- A. **SqlFilter**
- B. **CorrelationFilter**
- C. **TrueFilter**
- D. **No Filter**
- ✓ E. **FalseFilter** 

Explanation:

Answer – E

You can use the FalseFilter so that no messages come up in the subscription as per the requirement.

The Microsoft documentation mentions the following with regards to the filter

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

Since this is the ideal filter to use, all other options are invalid

For more information on topic filters, one can go to the below link

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

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Question 8

Correct

Domain :Connect to and Consume Azure Services and Third Party Services

A company is implementing an order processing system. The orders are going to be published to an Azure Service Bus topic. The properties of the messages that would be sent are as follows

Property
Description
Location
The region of the shipment
CorrelationId
Used as the priority value for the order
Quantity
User defined property that defines the order quantity
Audited
User defined property that defines the order date

The following subscriptions will be created. The requirement for each subscription is also given

Property
Description
LaterOrders
This subscription will be used in the future and should not accept any orders at the moment
HighPriorityOrders
Here all the high priority orders should be sent
GlobalOrders
Here the order where the region is not USA should be sent

HighOrders


Orders where the quantity is greater than 1000 should be sent

AllOrders

For auditing purposes, all orders should be sent here

You need to implement the right filters for each of the subscriptions given above.

Which of the following would you implement for the Subscription – HighPriorityOrders?

- A. **SqlFilter**
- ✓ B. **CorrelationFilter** 
- C. **TrueFilter**
- D. **No Filter**
- E. **FalseFilter**

Explanation:

Answer – B

Since the priority is based on the CorrelationId , it is better to use the CorrelationFilter. The Microsoft documentation mentions the following with regards to the filter

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

Since this is the ideal filter to use, all other options are invalid

For more information on topic filters, one can go to the below link

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

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Question 9

Correct

Domain :Connect to and Consume Azure Services and Third Party Services

A company is implementing an order processing system. The orders are going to be published to an Azure Service Bus topic. The properties of the messages that would be sent are as follows

Property
Description
Location
The region of the shipment
CorrelationId
Used as the priority value for the order
Quantity
User defined property that defines the order quantity
Audited
User defined property that defines the order date

The following subscriptions will be created. The requirement for each subscription is also given

Property
Description
LaterOrders
This subscription will be used in the future and should not accept any orders at the moment
HighPriorityOrders
Here all the high priority orders should be sent
GlobalOrders
Here the order where the region is not USA should be sent


HighOrders

Orders where the quantity is greater than 1000 should be sent

AllOrders

For auditing purposes, all orders should be sent here

You need to implement the right filters for each of the subscriptions given above. Which of the following would you implement for the Subscription – GlobalOrders?

- ✓ A. **SqlFilter** 
- B. **CorrelationFilter**
- C. **TrueFilter**
- D. **No Filter**
- E. **FalseFilter**

Explanation:

Answer – A

Here you can place a Sqlfilter based on the region. The Microsoft documentation mentions the following with regards to the filter

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

Since this is the ideal filter to use, all other options are invalid

For more information on topic filters, one can go to the below link

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

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Question 10

Correct

Domain :Connect to and Consume Azure Services and Third Party Services

A company is implementing an order processing system. The orders are going to be published to an Azure Service Bus topic. The properties of the messages that would be sent are as follows

Property
Description
Location
The region of the shipment
CorrelationId
Used as the priority value for the order
Quantity
User defined property that defines the order quantity
Audited
User defined property that defines the order date

The following subscriptions will be created. The requirement for each subscription is also given

Property
Description
LaterOrders
This subscription will be used in the future and should not accept any orders at the moment
HighPriorityOrders
Here all the high priority orders should be sent
GlobalOrders
Here the order where the region is not USA should be sent


HighOrders

Orders where the quantity is greater than 1000 should be sent

AllOrders

For auditing purposes, all orders should be sent here

You need to implement the right filters for each of the subscriptions given above. Which of the following would you implement for the Subscription – HighOrders?

- ✓ A. **SqlFilter** 
- B. **CorrelationFilter**
- C. **TrueFilter**
- D. **No Filter**
- E. **FalseFilter**

Explanation:

Answer – A

Here you can place a Sqlfilter based on the quantity. The Microsoft documentation mentions the following with regards to the filter

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

Since this is the ideal filter to use, all other options are invalid

For more information on topic filters, one can go to the below link

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

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Question 11

Correct

Domain :Connect to and Consume Azure Services and Third Party Services

A company is implementing an order processing system. The orders are going to be published to an Azure Service Bus topic. The properties of the messages that would be sent are as follows

Property
Description
Location
The region of the shipment
CorrelationId
Used as the priority value for the order
Quantity
User defined property that defines the order quantity
Audited
User defined property that defines the order date

The following subscriptions will be created. The requirement for each subscription is also given

Property
Description
LaterOrders
This subscription will be used in the future and should not accept any orders at the moment
HighPriorityOrders
Here all the high priority orders should be sent
GlobalOrders
Here the order where the region is not USA should be sent


HighOrders

Orders where the quantity is greater than 1000 should be sent

AllOrders

For auditing purposes, all orders should be sent here

You need to implement the right filters for each of the subscriptions given above. Which of the following would you implement for the Subscription – AllOrders?

- A. **SqlFilter**
- B. **CorrelationFilter**
- C. **TrueFilter**
- ✓ D. **No Filter** 
- E. **FalseFilter**

Explanation:

Answer – D

Here since you want all messages to come for the subscription, there is no need to add any filter.

For more information on topic filters, one can go to the below link

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

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Question 12

Correct

Domain :Implement Azure Security

Your team is developing an Azure Web App. TLS mutual authentication has been configured and you need to validate the client certificate in the Web App.

Which of the following would be the location of the client certificate?

- ✓ A. **HTTP request header** 
- B. **Client cookie**

- C. HTTP message body
- D. URL Query string

Explanation:

Answer – A

This is given in the Microsoft documentation

Access client certificate

In App Service, SSL termination of the request happens at the frontend load balancer. When forwarding the request to your app code with [client certificates enabled](#), App Service injects an `X-ARR-ClientCert` request header with the client certificate. App Service does not do anything with this client certificate other than forwarding it to your app. Your app code is responsible for validating the client certificate.

For ASP.NET, the client certificate is available through the `HttpRequest.ClientCertificate` property.

For other application stacks (Node.js, PHP, etc.), the client cert is available in your app through a base64 encoded value in the `X-ARR-ClientCert` request header.

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

For more information on configuring TLS authentication for the web app, one can go to the below link

<https://docs.microsoft.com/en-us/azure/app-service/app-service-web-configure-tls-mutual-auth>

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Question 13

Correct

Domain :Implement Azure Security

Your team is developing an Azure Web App. TLS mutual authentication has been configured and you need to validate the client certificate in the Web App.
Which of the following would be the encoding type for the certificate?

- A. HTML
- B. URL
- C. Unicode
- ✓ D. Base64 

Explanation:

Answer - D

This is given in the Microsoft documentation

Access client certificate

In App Service, SSL termination of the request happens at the frontend load balancer. When forwarding the request to your app code with [client certificates enabled](#), App Service injects an `X-ARR-ClientCert` request header with the client certificate. App Service does not do anything with this client certificate other than forwarding it to your app. Your app code is responsible for validating the client certificate.

For ASP.NET, the client certificate is available through the `HttpRequest.ClientCertificate` property.

For other application stacks (Node.js, PHP, etc.), the client cert is available in your app through a `base64 encoded` value in the `X-ARR-ClientCert` request header.

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

For more information on configuring TLS authentication for the web app, one can go to the below link

<https://docs.microsoft.com/en-us/azure/app-service/app-service-web-configure-tls-mutual-auth>

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Question 14

Correct

Domain :Develop Azure Platform as a Service Compute Solutions


Your company has an ASP.Net Core web application. This web application runs on Docker. The application is mapped to a domain named `www.whizlabs.com`.

The application needs to be hosted in Azure using Azure Web App service and the docker image for the web application. You also have to map a custom domain to the Azure Web app service. The following variables are in place

Variable name
Description
WhizlabsAppName
Name of the application
Location
Location of the resource
dockerHubContainerPath
Location of the docker image

You have to issue the required CLI commands for the provisioning process.

Which of the following would you issue to create the App Service plan?

- A. `az appservice plan create --name whizlabsplan --resource-group whizlabs-rg`
- ✓ B. `az appservice plan create --name whizlabsplan --resource-group whizlabs-rg --location $location --is-linux --sku S1` 
- C. `az appservice plan set --name whizlabsplan --resource-group whizlabs-rg --location $location --is-linux --sku S1`
- D. `az appservice plan docker create --name whizlabsplan --resource-group whizlabs-rg --location $location --is-linux --sku S1`

Explanation:

Answer – B

An example of this is given in the Microsoft documentation

Sample script

Azure CLI Copy Try It

```
#!/bin/bash

# Variables
appName="AppServiceLinuxDocker$random"
location="WestUS"
dockerHubContainerPath="<replace-with-docker-container-path>" #format: <username>/<container-or-image>:<tag>

# Create a Resource Group
az group create --name myResourceGroup --location $location

# Create an App Service Plan
az appservice plan create --name AppServiceLinuxDockerPlan --resource-group myResourceGroup --location $location

# Create a Web App
az webapp create --name $appName --plan AppServiceLinuxDockerPlan --resource-group myResourceGroup

# Configure Web App with a Custom Docker Container from Docker Hub
az webapp config container set --docker-custom-image-name $dockerHubContainerPath --name $appName --resource-group myResourceGroup

# Copy the result of the following command into a browser to see the web app.
echo http://$appName.azurewebsites.net
```

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

For more information on create a linux docker web app, one can go to the below link

<https://docs.microsoft.com/en-us/azure/app-service/scripts/cli-linux-docker-aspnetcore>

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Question 15

Correct

Domain :Develop Azure Platform as a Service Compute Solutions

Your company has an ASP.Net Core web application. This web application runs on Docker. The application is mapped to a domain named www.whizlabs.com.

The application needs to be hosted in Azure using Azure Web App service and the docker image for the web application. You also have to map a custom domain to the Azure Web app service. The following variables are in place

Variable name
Description
WhizlabsAppName
Name of the application
Location
Location of the resource
dockerHubContainerPath
Location of the docker image

You have to issue the required CLI commands for the provisioning process.

Which of the following would you issue to create the Web App?

- ✓ A. `az webapp create --name $AppName --plan whizlabsplan --resource-group whizlabs-rg` ✓
- B. `az webapp set--name $AppName --plan whizlabsplan --resource-group whizlabs-rg`
- C. `az docker create --name $AppName --plan whizlabsplan --resource-group whizlabs-rg`
- D. `az docker image create --name $AppName --plan whizlabsplan --resource-group whizlabs-rg`

Explanation:

Answer - A

An example of this is given in the Microsoft documentation

Sample script

```
Azure CLI Copy Try It

#!/bin/bash

# Variables
appName="AppServiceLinuxDocker$random"
location="WestUS"
dockerHubContainerPath="<replace-with-docker-container-path>" #format: <username>/<container-or-image>:<tag>

# Create a Resource Group
az group create --name myResourceGroup --location $location

# Create an App Service Plan
az appservice plan create --name AppServiceLinuxDockerPlan --resource-group myResourceGroup --location $location

# Create a Web App
az webapp create --name $appName --plan AppServiceLinuxDockerPlan --resource-group myResourceGroup

# Configure Web App with a Custom Docker Container from Docker Hub
az webapp config container set --docker-custom-image-name $dockerHubContainerPath --name $appName --resource-group myResourceGroup

# Copy the result of the following command into a browser to see the web app.
echo http://$appName.azurewebsites.net
```

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

For more information on create a linux docker web app, one can go to the below link

<https://docs.microsoft.com/en-us/azure/app-service/scripts/cli-linux-docker-aspnetcore>

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Question 16

Correct

Domain :Develop Azure Platform as a Service Compute Solutions

Your company has an ASP.Net Core web application. This web application runs on Docker. The application is mapped to a domain named www.whizlabs.com.

The application needs to be hosted in Azure using Azure Web App service and the docker image for the web application. You also have to map a custom domain to the Azure Web app service. The following variables are in place

Variable name**Description****WhizlabsAppName**

Name of the application

Location

Location of the resource

dockerHubContainerPath

Location of the docker image

You have to issue the required CLI commands for the provisioning process.

Which of the following would you issue to configure the Web App?

- ✓ A. `az webapp config container set --docker-custom-image-name $dockerHubContainerPath --name $AppName --resource-group whizlabs-rg` ✓
- B. `az docker config container set --docker-custom-image-name $dockerHubContainerPath --name $AppName --resource-group whizlabs-rg`
- C. `az kubernetes config container set --docker-custom-image-name $dockerHubContainerPath --name $AppName --resource-group whizlabs-rg`
- D. `az kubectl config container set --docker-custom-image-name $dockerHubContainerPath --name $AppName --resource-group whizlabs-rg`

Explanation:

Answer - A

An example of this is given in the Microsoft documentation

Sample script

Azure CLI Copy Try It

```
#!/bin/bash

# Variables
appName="AppServiceLinuxDocker$random"
location="WestUS"
dockerHubContainerPath="<replace-with-docker-container-path>" #format: <username>/<container-or-image>:<tag>

# Create a Resource Group
az group create --name myResourceGroup --location $location

# Create an App Service Plan
az appservice plan create --name AppServiceLinuxDockerPlan --resource-group myResourceGroup --location $location

# Create a Web App
az webapp create --name $appName --plan AppServiceLinuxDockerPlan --resource-group myResourceGroup

# Configure Web App with a Custom Docker Container from Docker Hub
az webapp config container set --docker-custom-image-name $dockerHubContainerPath --name $appName --resource-group myResourceGroup

# Copy the result of the following command into a browser to see the web app.
echo http://$appName.azurewebsites.net
```

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

For more information on create a linux docker web app, one can go to the below link

<https://docs.microsoft.com/en-us/azure/app-service/scripts/cli-linux-docker-aspnetcore>

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Question 17

Correct

Domain :Develop Azure Platform as a Service Compute Solutions

A company is developing a shopping application for Windows devices. A notification needs to be sent on a user's device whenever a new product is entered into the application. You have to implement push notifications.

You have to complete the missing parts in the partial code segment given below

```
1  static void ReceiveMessageAndSendNotification(string connectionString)
2  {
3
4      string whizlabshubConnectionString = CloudConfigurationManager.GetSetting
5          ("Microsoft.NotificationHub.ConnectionString");
6
7      Slot1 hub = Slot2 . Slot3
8
9          (whizlabshubConnectionString, "enterprisepushservicehub");
10
11      BrokeredMessage message = Client.Receive();
12      var toastMessage = @"<toast><visual><binding template=""ToastText01""><text id=""1"">
13      {messagepayload}</text></binding></visual></toast>";
14      SendNotificationAsync(toastMessage);
15
16  }
17  static async void SendNotificationAsync(string message)
18  {
19      await hub. Slot4 (message);
20  }
21
```

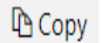
Which of the following would go into Slot1?

- ✓ A. NotificationHubClient ✓
- B. NotificationHubClientSettings
- C. NotificationHubJob
- D. NotificationDetails

Explanation:

Answer – A

An example of this is given in the Microsoft documentation



```
```csharp
static void ReceiveMessageAndSendNotification(string connectionString)
{
 // Initialize the Notification Hub
 string hubConnectionString = CloudConfigurationManager.GetSetting
 ("Microsoft.NotificationHub.ConnectionString");
 hub = NotificationHubClient.CreateClientFromConnectionString
 (hubConnectionString, "enterprisepushservicehub");

 SubscriptionClient Client =
 SubscriptionClient.CreateFromConnectionString
 (connectionString, sampleTopic, sampleSubscription);

 Client.Receive();

 // Continuously process messages received from the subscription
 while (true)
 {
 BrokeredMessage message = Client.Receive();
 var toastMessage = @"<toast><visual><binding template=""ToastText01""><text id=""1"">{messagepayload}

 if (message != null)
 {
 try
 {
 Console.WriteLine(message.MessageId);
 Console.WriteLine(message.SequenceNumber);
 string messageBody = message.GetBody<string>();
 Console.WriteLine("Body: " + messageBody + "\n");

 toastMessage = toastMessage.Replace("{messagepayload}", messageBody);
 SendNotificationAsync(toastMessage);
 }
 catch { }
 }
 }
}
```

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

For more information on enterprise push notification architecture, one can go to the below link

<https://docs.microsoft.com/en-us/azure/notification-hubs/notification-hubs-enterprise-push-notification-architecture>

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## Question 18

Correct

## Domain :Develop Azure Platform as a Service Compute Solutions

A company is developing a shopping application for Windows devices. A notification needs to be sent on a user's device whenever a new product is entered into the application. You have to implement push notifications.

You have to complete the missing parts in the partial code segment given below

```
1 static void ReceiveMessageAndSendNotification(string connectionString)
2 {
3
4 string whizlabshubConnectionString = CloudConfigurationManager.GetSetting
5 ("Microsoft.NotificationHub.ConnectionString");
6
7 Slot1 hub = Slot2 . Slot3
8
9 (whizlabshubConnectionString, "enterprisepushservicehub");
10
11 BrokeredMessage message = Client.Receive();
12 var toastMessage = @"<toast><visual><binding template=""ToastText01""><text id=""1"">
13 {messagepayload}</text></binding></visual></toast>";
14 SendNotificationAsync(toastMessage);
15
16 }
17 static async void SendNotificationAsync(string message)
18 {
19 await hub. Slot4 (message);
20 }
21
```

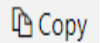
Which of the following would go into Slot2?

- ✓ A. NotificationHubClient ✓
- B. NotificationHubClientSettings
- C. NotificationHubJob
- D. NotificationDetails

**Explanation:**

Answer - A

An example of this is given in the Microsoft documentation



```
```csharp
static void ReceiveMessageAndSendNotification(string connectionString)
{
    // Initialize the Notification Hub
    string hubConnectionString = CloudConfigurationManager.GetSetting
        ("Microsoft.NotificationHub.ConnectionString");
    hub = NotificationHubClient.CreateClientFromConnectionString
        (hubConnectionString, "enterprisepushservicehub");

    SubscriptionClient Client =
        SubscriptionClient.CreateFromConnectionString
            (connectionString, sampleTopic, sampleSubscription);

    Client.Receive();

    // Continuously process messages received from the subscription
    while (true)
    {
        BrokeredMessage message = Client.Receive();
        var toastMessage = @"<toast><visual><binding template=""ToastText01""><text id=""1"">{messagepayload}

        if (message != null)
        {
            try
            {
                Console.WriteLine(message.MessageId);
                Console.WriteLine(message.SequenceNumber);
                string messageBody = message.GetBody<string>();
                Console.WriteLine("Body: " + messageBody + "\n");

                toastMessage = toastMessage.Replace("{messagepayload}", messageBody);
                SendNotificationAsync(toastMessage);
            }
            catch { }
        }
    }
}
```

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

For more information on enterprise push notification architecture, one can go to the below link

<https://docs.microsoft.com/en-us/azure/notification-hubs/notification-hubs-enterprise-push-notification-architecture>

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Question 19

Correct

Domain :Develop Azure Platform as a Service Compute Solutions

A company is developing a shopping application for Windows devices. A notification needs to be sent on a user's device whenever a new product is entered into the application. You have to implement push notifications.

You have to complete the missing parts in the partial code segment given below

```
1  static void ReceiveMessageAndSendNotification(string connectionString)
2  {
3
4      string whizlabshubConnectionString = CloudConfigurationManager.GetSetting
5          ("Microsoft.NotificationHub.ConnectionString");
6
7      Slot1 hub = Slot2 . Slot3
8
9          (whizlabshubConnectionString, "enterprisepushservicehub");
10
11     BrokeredMessage message = Client.Receive();
12     var toastMessage = @"<toast><visual><binding template=""ToastText01""><text id=""1"">
13     {messagepayload}</text></binding></visual></toast>";
14     SendNotificationAsync(toastMessage);
15
16 }
17 static async void SendNotificationAsync(string message)
18 {
19     await hub. Slot4 (message);
20 }
21
```

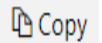
Which of the following would go into Slot3?

- A. GetInstallation
- ✓ B. CreateClientFromConnectionString ✓
- C. CreateInstallation
- D. PatchInstallation

Explanation:

Answer - B

An example of this is given in the Microsoft documentation



```
```csharp
static void ReceiveMessageAndSendNotification(string connectionString)
{
 // Initialize the Notification Hub
 string hubConnectionString = CloudConfigurationManager.GetSetting
 ("Microsoft.NotificationHub.ConnectionString");
 hub = NotificationHubClient.CreateClientFromConnectionString
 (hubConnectionString, "enterprisepushservicehub");

 SubscriptionClient Client =
 SubscriptionClient.CreateFromConnectionString
 (connectionString, sampleTopic, sampleSubscription);

 Client.Receive();

 // Continuously process messages received from the subscription
 while (true)
 {
 BrokeredMessage message = Client.Receive();
 var toastMessage = @"<toast><visual><binding template=""ToastText01""><text id=""1"">{messagepayload}

 if (message != null)
 {
 try
 {
 Console.WriteLine(message.MessageId);
 Console.WriteLine(message.SequenceNumber);
 string messageBody = message.GetBody<string>();
 Console.WriteLine("Body: " + messageBody + "\n");

 toastMessage = toastMessage.Replace("{messagepayload}", messageBody);
 SendNotificationAsync(toastMessage);
 }
 catch { }
 }
 }
}
```

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

For more information on enterprise push notification architecture, one can go to the below link

<https://docs.microsoft.com/en-us/azure/notification-hubs/notification-hubs-enterprise-push-notification-architecture>

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## Question 20

Correct

## Domain :Develop Azure Platform as a Service Compute Solutions

A company is developing a shopping application for Windows devices. A notification needs to be sent on a user's device whenever a new product is entered into the application. You have to implement push notifications.

You have to complete the missing parts in the partial code segment given below

```
1 static void ReceiveMessageAndSendNotification(string connectionString)
2 {
3
4 string whizlabshubConnectionString = CloudConfigurationManager.GetSetting
5 ("Microsoft.NotificationHub.ConnectionString");
6
7 Slot1 hub = Slot2 . Slot3
8
9 (whizlabshubConnectionString, "enterprisepushservicehub");
10
11 BrokeredMessage message = Client.Receive();
12 var toastMessage = @"<toast><visual><binding template=""ToastText01""><text id=""1"">
13 {messagepayload}</text></binding></visual></toast>";
14 SendNotificationAsync(toastMessage);
15
16 }
17 static async void SendNotificationAsync(string message)
18 {
19 await hub. Slot4 (message);
20 }
21
```

Which of the following would go into Slot4?

- A. SendWindowsNativeAsync
- ✓ B. SendWindowsNativeNotificationAsync ✓
- C. ScheduleNotification
- D. ScheduleNotificationAsync

**Explanation:**

Answer - B

An example of this is given in the Microsoft documentation

```
if (message != null)
{
 try
 {
 Console.WriteLine(message.MessageId);
 Console.WriteLine(message.SequenceNumber);
 string messageBody = message.GetBody<string>();
 Console.WriteLine("Body: " + messageBody + "\n");

 toastMessage = toastMessage.Replace("{messagepayload}", messageBody);
 SendNotificationAsync(toastMessage);

 // Remove message from subscription
 message.Complete();
 }
 catch (Exception)
 {
 // Indicate a problem, unlock message in subscription
 message.Abandon();
 }
}
}

static async void SendNotificationAsync(string message)
{
 await hub.SendWindowsNativeNotificationAsync(message);
}
...
```

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

For more information on enterprise push notification architecture, one can go to the below link

<https://docs.microsoft.com/en-us/azure/notification-hubs/notification-hubs-enterprise-push-notification-architecture>

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Question 21

Correct

Domain :Develop for Azure Storage

A company is developing an application. The application will maintain data about a customer. The following code snippet is in place for creating a table.

```
class Program
{
 static void Main(string[] args)
 {
 CloudStorageAccount storageAccount = CloudStorageAccount.Parse(conn_string);
 CloudTableClient tableClient = storageAccount.CreateCloudTableClient();

 CloudTable table = tableClient.GetTableReference("Customer");

 table.CreateIfNotExists();
 Console.WriteLine("Table created");
 }
}
```

If you place the connection string for an Azure Storage account, would the code create a table called "Customer"?

- ✓ A. Yes ☒
- B. No

---

### Explanation:

Answer – A

Yes, this will work. Below is stated in the Microsoft documentation for creating a table in Azure storage



# Create a table

This example shows how to create a table if it does not already exist:

C#

 Copy

```
// Retrieve the storage account from the connection string.
CloudStorageAccount storageAccount = CloudStorageAccount.Parse(
 CloudConfigurationManager.GetSetting("StorageConnectionString"));

// Create the table client.
CloudTableClient tableClient = storageAccount.CreateCloudTableClient();

// Retrieve a reference to the table.
CloudTable table = tableClient.GetTableReference("people");

// Create the table if it doesn't exist.
table.CreateIfNotExists();
```

For more information on how to use table storage from .Net, one can go to the below link

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

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Question 22

Correct

Domain :Develop for Azure Storage

A company is developing an application. The application will maintain data about a customer. The following code snippet is in place for creating a table.

```
class Program
{
 static void Main(string[] args)
 {
 CloudStorageAccount storageAccount = CloudStorageAccount.Parse(conn_string);
 CloudTableClient tableClient = storageAccount.CreateCloudTableClient();

 CloudTable table = tableClient.GetTableReference("Customer");

 table.CreateIfNotExists();
 Console.WriteLine("Table created");
 }
}
```

If you place the connection string for a CosmosDB account-Table API, would the code create a table called "Customer"?

- ✓ A. Yes ☒
- B. No

#### Explanation:

Answer – A

Yes, this will work. The Table API can be used for both Azure Storage and CosmosDB

For more information on how to use table storage from .Net, one can go to the below link

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

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Question 23

Correct

Domain :Connect to and Consume Azure Services and Third Party Services

A company is developing an API system that will be hosted behind an Azure API Management service. You have to implement response caching. Here the user ID of the client must be detected

and then the response must be cached for the given user ID.

You need to add the following policies to the policies file:

.A set-variable policy to store the detected user identity


.A cache-lookup-value policy

.A cache-store-value policy

.A find-and-replace policy to update the response body with the user profile information

To which policy section would you implement the policy for

**"A set-variable policy to store the detected user identity"**

- ✓ A. **Inbound** 
- B. **Outbound**
- C. **Error**
- D. **Parameters**

---

### Explanation:

Answer – A

Here since you need to detect the User ID from the request, you need to set the variable in the Input section. An example of this is given in the Microsoft documentation

```
<policies>
 <inbound>

 <set-variable name="fromDate" value="@(<context.Request.Url.Query["fromDate"].Last())">
 <set-variable name="toDate" value="@(<context.Request.Url.Query["toDate"].Last())">

 <send-request mode="new" response-variable-name="revenue" data="true" timeout="20" ignore-error="true">
 <set-url>@("$"https://accounting.acme.com/salesdata?from={(<string>context.Variables["fromDate"])}&to={
 <set-method>GET</set-method>
 </send-request>
```

Since this is clearly mentioned, all other options are incorrect

For more information on an example of managing requests with API management, one can go to the below link

<https://docs.microsoft.com/en-us/azure/api-management/api-management-sample-send-request>

---

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## Question 24

Correct

## Domain :Connect to and Consume Azure Services and Third Party Services

A company is developing an API system that will be hosted behind an Azure API Management service. You have to implement response caching. Here the user ID of the client must be detected and then the response must be cached for the given user ID.

You need to add the following policies to the policies file:

.\ set-variable policy to store the detected user identity


.\ cache-lookup-value policy

.\ cache-store-value policy

A find-and-replace policy to update the response body with the user profile information

To which policy section would you implement the policy for

**"A cache-lookup-value policy"**

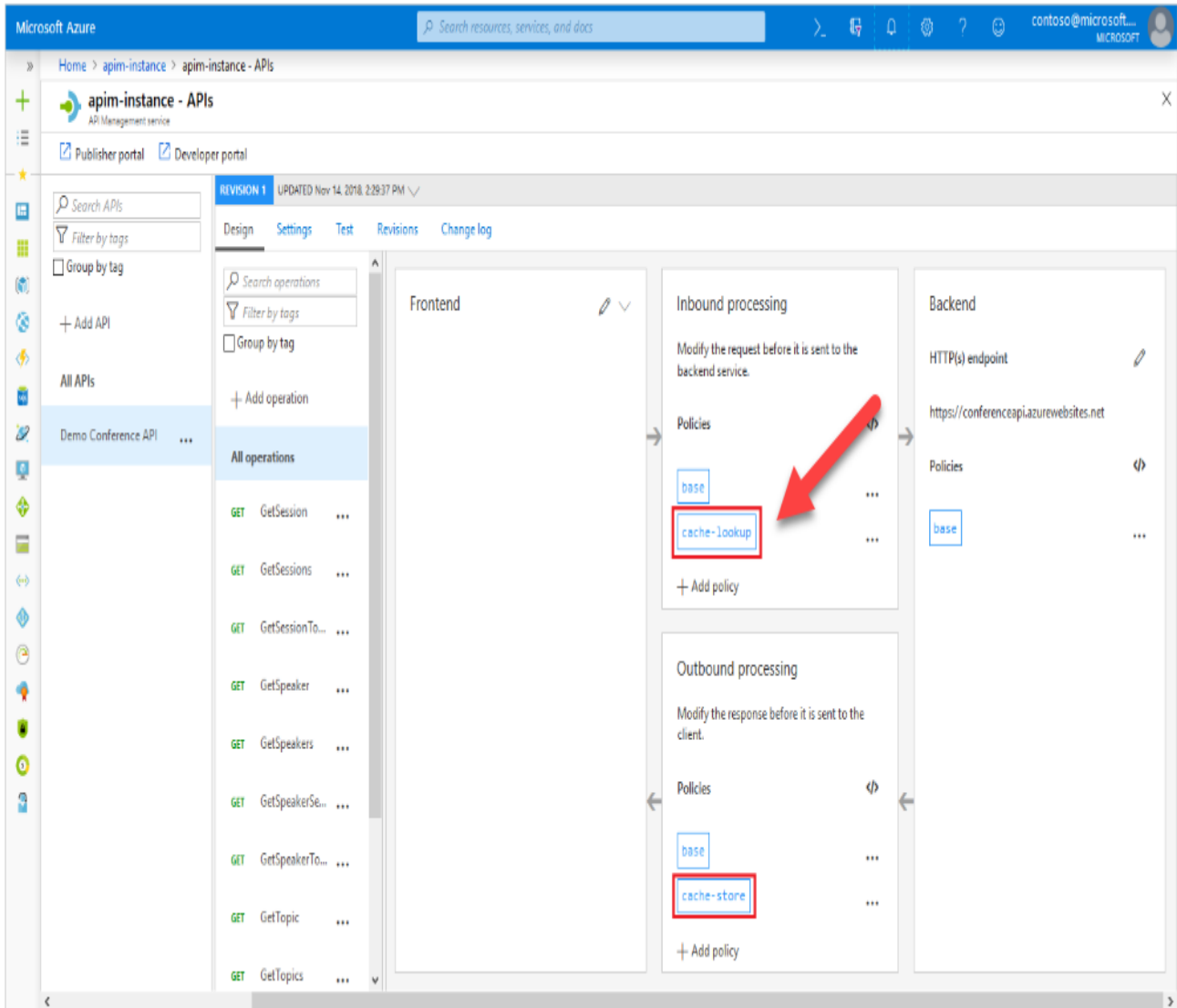
- ✓ A. **Inbound** 
- B. **Outbound**
- C. **Error**
- D. **Parameters**

---

**Explanation:**

Answer – A

An example of this is given in the Microsoft documentation as shown below



Since this is clearly mentioned, all other options are incorrect

For more information on how to work with the cache in API management, one can go to the below link

<https://docs.microsoft.com/en-us/azure/api-management/api-management-howto-cache>

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Question 25

Correct

**Domain :Connect to and Consume Azure Services and Third Party Services**

A company is developing an API system that will be hosted behind an Azure API Management service. You have to implement response caching. Here the user ID of the client must be detected and then the response must be cached for the given user ID.

You need to add the following policies to the policies file:

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

.A cache-store-value policy

A find-and-replace policy to update the response body with the user profile information

To which policy section would you implement the policy for

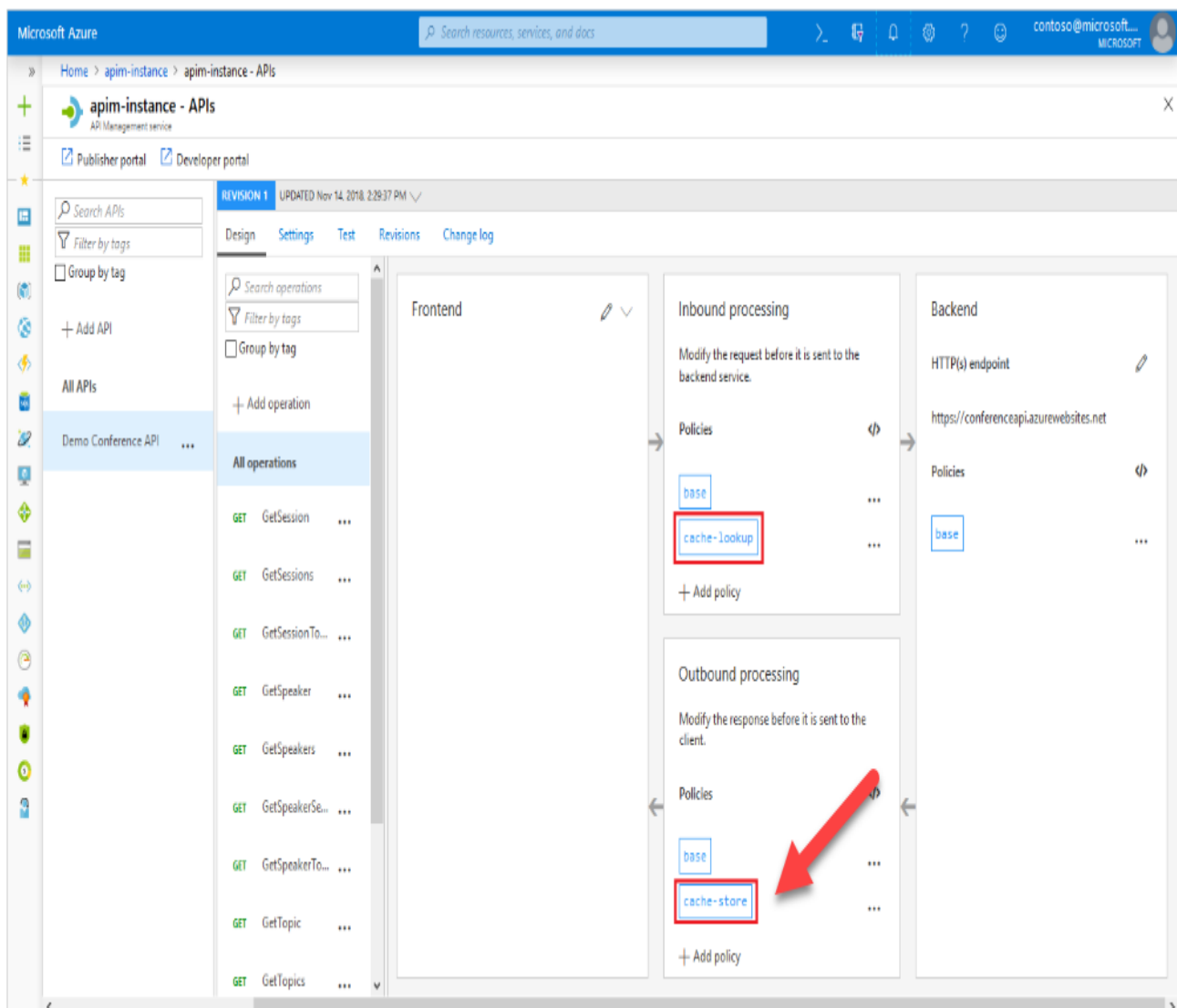
**"A cache-store-value policy"**

- A. Inbound
- ✓ B. Outbound ✓
- C. Error
- D. Parameters

### Explanation:

Answer - B

An example of this is given in the Microsoft documentation as shown below



Since this is clearly mentioned, all other options are incorrect

For more information on how to work with the cache in API management, one can go to the below link

<https://docs.microsoft.com/en-us/azure/api-management/api-management-howto-cache>

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Question 26

Correct

**Domain :Connect to and Consume Azure Services and Third Party Services**

A company is developing an API system that will be hosted behind an Azure API Management service. You have to implement response caching. Here the user ID of the client must be detected and then the response must be cached for the given user ID.

You need to add the following policies to the policies file:

.\ set-variable policy to store the detected user identity


.\ cache-lookup-value policy

.\ cache-store-value policy

A find-and-replace policy to update the response body with the user profile information

To which policy section would you implement the policy for

**"A find-and-replace policy to update the response body with the user profile information"**

- ✓ A. Inbound 
- B. Outbound
- C. Error
- D. Parameters

#### Explanation:

Answer – A

You can again set the variables in the response in the Input section itself. An example of this is given in the Microsoft documentation

```

<return-response response-variable-name="existing response variable">
 <set-status code="200" reason="OK" />
 <set-header name="Content-Type" exists-action="override">
 <value>application/json</value>
 </set-header>
 <set-body>
 @(new JObject(new JProperty("revenue", ((IResponse)context.Variables["revenue"]).Body.As<JObject>()),
 new JProperty("material", ((IResponse)context.Variables["material"]).Body.As<JObject>()),
 new JProperty("throughput", ((IResponse)context.Variables["throughput"]).Body.As<JObject>()),
 new JProperty("accident", ((IResponse)context.Variables["accident"]).Body.As<JObject>())
).ToString())
 </set-body>
</return-response>
</inbound>
<backend>
 <base />
</backend>
<outbound>
 <base />
</outbound>
</policies>

```

Since this is clearly mentioned, all other options are incorrect

For more information on an example of managing requests with API management, one can go to the below link

<https://docs.microsoft.com/en-us/azure/api-management/api-management-sample-send-request>

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Question 27

Correct

**Domain :Connect to and Consume Azure Services and Third Party Services**

A company is planning on using the Azure Search service. This service will connect to an Azure SQL database containing customer and product data. You have to setup the Index and import the data from the database onto Azure Search. Additionally, from a search perspective, you have to adhere to the following

- Ability to search the index by using regular expressions.
  - Ability to organize results by counts for name-value pairs
  - List products via a particular price range
- You need to configure the SearchParameters class.



Which Property would you configure for the requirement?

**"Ability to search the index by using regular expressions."**

- A. QueryIndex
- B. OrderBy
- C. SearchMode
- ✓ D. Query Type ✓

#### Explanation:

Answer – D

For using regular expressions in the search, you should change the QueryType to a Full Lucence search. The Microsoft documentation mentions the following

## A first look at query requests

Examples are useful for introducing new concepts. As a representative query constructed in the [REST API](#), this example targets the [real estate demo index](#) and includes common parameters.

Copy

```
{
 "queryType": "simple"
 "search": "seattle townhouse* +\"lake\"",
 "searchFields": "description, city",
 "count": "true",
 "select": "listingId, street, status, daysOnMarket, description",
 "top": "10",
 "orderby": "daysOnMarket"
}
```

- **queryType** sets the parser, which in Azure Search can be the [default simple query parser](#) (optimal for full text search), or the [full Lucene query parser](#) used for advanced query constructs like regular expressions, proximity search, fuzzy and wildcard search, to name a few.

Since this is clearly mentioned, all other options are incorrect

For more information on an overview on search queries, one can go to the below link

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

---

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Question 28

Correct

**Domain :Connect to and Consume Azure Services and Third Party Services**

A company is planning on using the Azure Search service. This service will connect to an Azure SQL database containing customer and product data. You have to setup the Index and import the data from the database onto Azure Search. Additionally, from a search perspective, you have to adhere to the following

.Ability to search the index by using regular expressions.


.Ability to organize results by counts for name-value pairs

List products via a particular price range

You need to configure the SearchParameters class.

Which Property would you configure for the requirement?

**"Ability to organize results by counts for name-value pairs"**

- ✓ A. **Facets** 
- B. **Filters**
- C. **SearchMode**
- D. **Query Type**

---

**Explanation:**

Answer – A

You should use facets for grouping results. An example is given in the Microsoft documentation

Facets are dynamic and returned on a query. Search responses bring with them the facet categories used to navigate the results. If you aren't familiar with facets, the following example is an illustration of a facet navigation structure.

Since this is clearly mentioned, all other options are incorrect

For more information on using facets, one can go to the below link

<https://docs.microsoft.com/en-us/azure/search/search-filters-facets>

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Rate this Question? 😊 😞

Question 29


Correct

**Domain :Connect to and Consume Azure Services and Third Party Services**

A company is planning on using the Azure Search service. This service will connect to an Azure SQL database containing customer and product data. You have to setup the Index and import the data from the database onto Azure Search. Additionally, from a search perspective, you have to adhere to the following

- Ability to search the index by using regular expressions.
- Ability to organize results by counts for name-value pairs
- List products via a particular price range
- You need to configure the SearchParameters class.
- Which Property would you configure for the requirement?

"List products via a particular price range"

- A. OrderBy
- B. Top
- ✓ C. Filter 
- D. Query Type

---

**Explanation:**

Answer – C

You can use filters to search for selecting specific documents. The Microsoft documentation mentions the following

## Filters in Azure Search

04/20/2018 • 9 minutes to read • Contributors 

A *filter* provides criteria for selecting documents used in an Azure Search query. Unfiltered search includes all documents in the index. A filter scopes a search query to a subset of documents. For example, a filter could restrict full text search to just those products having a specific brand or color, at price points above a certain threshold.

Some search experiences impose filter requirements as part of the implementation, but you can use filters anytime you want to constrain search using *value-based* criteria (scoping search to product type "books" for category "non-fiction" published by "Simon & Schuster").

Since this is clearly mentioned, all other options are incorrect

For more information on using filters, one can go to the below link

<https://docs.microsoft.com/en-us/azure/search/search-filters>

---

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Question 30

Correct

Domain :Develop Azure Infrastructure as a Service Compute Solutions

### View Case Study

You have to deploy a newer version of the "**base-app**" application to the Kubernetes cluster. Which of the following steps would you need to implement for this requirement? Choose 3 answers from the options given below

- A. Restart the cluster
- B. Create a new alias of the image with the new build number
- C. Build a new application image by using MSBuild
- ✓ D. Build a new application image by using dockerFile ✓
- ✓ E. Download the image to your local computer ✓
- ✓ F. Log into the registry and push the image ✓

#### Explanation:

Answer - D, E and F

The Microsoft documentation lists the steps to push images from the Azure container service as shown below

## Push image to registry

To push an image to an Azure Container registry, you must first have an image. If you don't yet have any local container images, run the following [docker pull](#) command to pull an existing image from Docker Hub. For this example, pull the `hello-world` image.

```
docker pull hello-world
```

 Copy

# Base images

Dockerfiles defining most container images specify a parent image from which it is based, often referred to as its *base image*. Base images typically contain the operating system, for example [Alpine Linux](#) or [Windows Nano Server](#), on which the rest of the container's layers are applied. They might also include application frameworks such as [Node.js](#) or [.NET Core](#).

Once you have created and build the application image, you can push it to the Azure container registry.

Option A is incorrect since the cluster does not need to be restarted for a new image deployment

Options B and C are incorrect since you need to use dockerFile to build a new image

For more information on working with the container registry, one can go to the below link

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

Ask our Experts

Rate this Question? 😊 😞




Question 31

Incorrect

Domain :Implement Azure Security

[View Case Study](#)

How would you secure the authentication for the "Question-app" Application? Choose 2 answers from the options given below

- ✓ A. Create an Azure AD service principal. 
- B. Enable Managed Service Identity (MSI) on the Azure Web Application 
- ✓ C. Add a policy to the Azure Key Vault to grant access to the Application 
- D. Update the Application with the application client secret in Azure AD

**Explanation:**

Answer – B and C

The way to grant access for the Azure Web App service to the Key Vault service is given in the Microsoft documentation

## Granting your app access to Key Vault

In order to read secrets from Key Vault, you need to have a vault created and give your app permission to access it.

1. Create a key vault by following the [Key Vault quickstart](#).
2. Create a [system-assigned managed identity](#) for your application.

### ⓘ Note

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

3. Create an [access policy in Key Vault](#) for the application identity you created earlier. Enable the "Get" secret permission on this policy. Do not configure the "authorized application" or `applicationId` settings, as this is not compatible with a managed identity.

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

For more information on allowing Azure Web Apps to reference the Key vault, one can go to the below link

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

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Question 32

Correct

Domain :Implement Azure Security

[View Case Study](#)

You need to ensure that the following requirement is met

**The "base-app" must be secured by using an AAD account that has full access to all namespaces of the Azure Kubernetes Service (AKS) cluster**

You propose the following solution

"Create a conditional access policy and assign it to the Azure Kubernetes service cluster."

Does this solution meet the requirement?

A. Yes

✓ B. No 

---

### Explanation:

Answer – B

Conditional access policies are used to provide access based on conditions.

For more information on conditional access, one can go to the below link

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

---

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### Question 33

Incorrect

Domain :Implement Azure Security

### View Case Study


You need to ensure that the following requirement is met

**The "base-app" must be secured by using an AAD account that has full access to all namespaces of the Azure Kubernetes Service (AKS) cluster**

You propose the following solution

"Place the Azure Active Directory account into an Azure AD group. Create a ClusterRoleBinding and assign it to the group"

Does this solution meet the requirement?

A. Yes 

✓ B. No 

---

### Explanation:

Answer – A

Yes, this will work. This is also mentioned in the Microsoft documentation\



# Create RBAC binding

Before an Azure Active Directory account can be used with the AKS cluster, a role binding or cluster role binding needs to be created. *Roles* define the permissions to grant, and *bindings* apply them to desired users. These assignments can be applied to a given namespace, or across the entire cluster. For more information, see [Using RBAC authorization](#).

For more information on Azure Active Directory integration for Azure Kubernetes, one can go to the below link

<https://docs.microsoft.com/en-us/azure/aks/aad-integration>

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Question 34

Incorrect

Domain :Implement Azure Security

[View Case Study](#)



You need to ensure that the following requirement is met

**The "base-app" must be secured by using an AAD account that has full access to all namespaces of the Azure Kubernetes Service (AKS) cluster**

You propose the following solution

"Create a Microsoft Azure Active Directory service principal and assign it to the Azure Kubernetes Service (AKS) cluster."

Does this solution meet the requirement?

- ✓ A. Yes 
- B. No 

## Explanation:

Answer – B

Service Principals are used when the Azure Kubernetes service needs to interact with other Azure services.

For more information on Service principals for Azure Kubernetes, one can go to the below link

<https://docs.microsoft.com/en-us/azure/aks/kubernetes-service-principal>

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## Question 35

Correct

Domain :Develop Azure Infrastructure as a Service Compute Solutions

[View Case Study](#)

You need to deploy the Kubernetes cluster using Azure CLI commands. You need to complete the below script

```
az Slot1 create --name whizlabs-rg --location eastus
```

```
az Slot2 create --resource-group whizlabs-rg --name whizlabs-cluster --node-count 2 --enable-
addons Slot3 --generate-ssh-keys
```

Which of the following would go into Slot1?



- ✓ A. **group** ✓
- B. aks
- C. acs
- D. acr

**Explanation:**

Answer – A

An example of this is given in the Microsoft documentation

The following example creates a resource group named *myResourceGroup* in the *eastus* location.

Azure CLI	 Copy	 Try It
<pre>az group create --name myResourceGroup --location eastus</pre>		

Since this is clearly given, all other options are incorrect

For more information on creating a cluster via the CLI, one can go to the below link

<https://docs.microsoft.com/en-us/azure/aks/kubernetes-walkthrough>

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Rate this Question?  


### Question 36

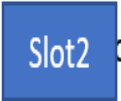

Correct

Domain :Develop Azure Infrastructure as a Service Compute Solutions


[View Case Study](#)

You need to deploy the Kubernetes cluster using Azure CLI commands. You need to complete the below script

```
az  create --name whizlabs-rg --location eastus

az  create --resource-group whizlabs-rg --name whizlabs-cluster --node-count 2 --enable-
addons  --generate-ssh-keys
```

Which of the following would go into Slot2?

- A. group
- ✓ B. aks 
- C. acs
- D. acr

**Explanation:**

Answer – B

An example of this is given in the Microsoft documentation

## Create AKS cluster

Use the [az aks create](#) command to create an AKS cluster. The following example creates a cluster named *myAKSCluster* with one node. Azure Monitor for containers is also enabled using the *--enable-addons monitoring* parameter.

```
Azure CLI Copy Try It
az aks create \
 --resource-group myResourceGroup \
 --name myAKSCluster \
 --node-count 1 \
 --enable-addons monitoring \
 --generate-ssh-keys
```

Since this is clearly given, all other options are incorrect

For more information on creating a cluster via the CLI, one can go to the below link

<https://docs.microsoft.com/en-us/azure/aks/kubernetes-walkthrough>

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Rate this Question? 😊 😞

Question 37

Correct

Domain :Develop Azure Infrastructure as a Service Compute Solutions

[View Case Study](#)

You need to deploy the Kubernetes cluster using Azure CLI commands. You need to complete the below script

az **Slot1** create --name whizlabs-rg --location eastus

az **Slot2** create --resource-group whizlabs-rg --name whizlabs-cluster --node-count 2 --enable-

addons **Slot3** --generate-ssh-keys

Which of the following would go into Slot3?

- ✓ A. **monitoring** ✓
- B. **ssh**
- C. **sessions**
- D. **partitions**

#### Explanation:

Answer – A

Since we need to have monitoring as per the case study, we need to enable this option. An example of this is given in the Microsoft documentation

## Create AKS cluster

Use the [az aks create](#) command to create an AKS cluster. The following example creates a cluster named *myAKSCluster* with one node. Azure Monitor for containers is also enabled using the *--enable-addons monitoring* parameter.

Azure CLI

 Copy

 Try It

```
az aks create \
 --resource-group myResourceGroup \
 --name myAKSCluster \
 --node-count 1 \
 --enable-addons monitoring \
 --generate-ssh-keys
```

Since this is clearly given, all other options are incorrect

For more information on creating a cluster via the CLI, one can go to the below link

<https://docs.microsoft.com/en-us/azure/aks/kubernetes-walkthrough>

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### Question 38

Correct

Domain :Monitor,troubleshoot,and optimize Azure solutions

#### View Case Study

After deploying and triggering the Azure Logic Workflow instance, it is not working as expected. You need to troubleshoot the order workflow. Which of the following can you use for this purpose? Choose 2 answers from the options given below

- ✓ A. Review the run history. ✓
- ✓ B. Review the trigger history. ✓
- C. Review the API connections.
- D. Review the activity log.

#### Explanation:

Answer – A and B

This is given in the Microsoft documentation

## Troubleshoot and diagnose workflow failures in Azure Logic Apps

10/15/2017 • 4 minutes to read • Contributors 🧑🏻 🧑🏻 🧑🏻

Your logic app generates information that can help you diagnose and debug problems in your app. You can diagnose a logic app by reviewing each step in the workflow through the Azure portal. Or you can add some steps to a workflow for runtime debugging.

#### In this article

- Review trigger history
- Review run history
- Perform runtime debugging
- Next steps

Since this is clearly given, all other options are incorrect

For more information on troubleshooting Azure Logic Apps, one can go to the below link

<https://docs.microsoft.com/en-us/azure/logic-apps/logic-apps-diagnosing-failures>

---

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Rate this Question? 😊 😞


Question 39

Correct

Domain :Implement Azure Security

[View Case Study](#)

You need to meet the security requirements for external partners.  
You have to decide on the right Azure Directory feature to use.  
Which of the following would you use for the Authentication?

- A. Azure B2C
- ✓ B. Azure B2B 
- C. Self-service
- D. Organizational Units



---

**Explanation:**

Answer – B

The Azure B2B service is perfect for this requirement. The Microsoft documentation mentions the following

# What is guest user access in Azure Active Directory B2B?

09/14/2018 • 2 minutes to read • Contributors     

Azure Active Directory (Azure AD) business-to-business (B2B) collaboration lets you securely share your company's applications and services with guest users from any other organization, while maintaining control over your own corporate data. Work safely and securely with external partners, large or small, even if they don't have Azure AD or an IT department. A simple invitation and redemption process lets partners use their own credentials to access your company's resources. Developers can use Azure AD business-to-business APIs to customize the invitation process or write applications like self-service sign-up portals.

Since this is the ideal approach, all other options are incorrect

For more information on Azure B2B, one can go to the below link

<https://docs.microsoft.com/en-us/azure/active-directory/b2b/what-is-b2b>

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Rate this Question?  

Question 40

Correct

Domain :Implement Azure Security

[View Case Study](#)

You need to complete the below Azure CLI that will be used to create the CosmosDB account.



```
az cosmosdb create \

 --resource-group "whizlabs-rg" \

 --name "whizlabs-cosmosdb" \

 --kind Slot1 \

 --locations "South Central US"=0 "North Central US"=1 \

 --default-consistency-level Slot2 \
```

Which of the following would go into Slot1?

- A. MongoDB
- B. SQL
- ✓ C. GlobalDocumentDB 
- D. JSON

---

### Explanation:

Answer – C

Since the case study mentions that we need to query the records in the CosmosDB account using SQL queries, we need to use the SQL API. In Azure CLI, when creating a SQL API based CosmosDB account, we have to mention the Kind as "GlobalDocumentDB"

An example of this is given in the Microsoft documentation

```
Create a SQL API Cosmos DB account with session consistency and multi-master enabled
az cosmosdb create \
 --resource-group $resourceGroupName \
 --name $accountName \
 --kind GlobalDocumentDB \
 --locations "South Central US"=0 "North Central US"=1 \
 --default-consistency-level "Session" \
 --enable-multiple-write-locations true
```

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

For more information on creating Azure CosmosDB accounts with the CLI, one can go to the below link

<https://docs.microsoft.com/en-us/azure/cosmos-db/scripts/create-database-account-collections-cli>

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Rate this Question? 😊 😞

Question 41

Correct

Domain :Implement Azure Security

[View Case Study](#)

You need to complete the below Azure CLI that will be used to create the CosmosDB account.

```
az cosmosdb create \

--resource-group "whizlabs-rg" \


--name "whizlabs-cosmosdb" \

--kind Slot1 \

--locations "South Central US"=0 "North Central US"=1 \

--default-consistency-level Slot2 \
```

Which of the following would go into Slot2?

- ✓ A. **Strong** 
- B. **Bounded Staleness**
- C. **Session**
- D. **Eventual**

---

**Explanation:**

Answer – A

Since the case study has the below 2 requirements, we have to ensure writes are performed to all locations before a read can occur. And this can only be achieved with the Strong consistency level.

Any change to the Order data must be reflected immediately across all partitions

All reads to the order data must fetch the most recent writes

The Microsoft documentation mentions the following on the Strong Consistency level

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

Since this is the ideal approach, all other options are incorrect

For more information on Azure CosmosDB consistency levels, one can go to the below link

<https://docs.microsoft.com/en-us/azure/cosmos-db/consistency-levels>

---

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Rate this Question?  

Question 42

Correct

Domain :Monitor,troubleshoot,and optimize Azure solutions

A company has developed an application and deployed it to the Azure App Service. They have defined a scale out condition that will scale the App if the average number of Active messages in a service bus queue is greater than 1000.

You need to ensure that the App service continually scales down with a scale down rule.

The scale rule is given below. You have to choose the right options for the scale rule to ensure the scaling down process occurs.

### Scale rule

Metric source

Current resource (demoplan) ✓

Resource type

App Service plans ✓

Resource

demoplan ✓

### Criteria

\* Time aggregation ⓘ

Minimum ✓

\* Metric name

Select a metric ✓

1440 minute time grain

\* Time grain statistic ⓘ

Average ✓

\* Operator

Greater than ✓

\* Threshold

1000 ✓

\* Duration (in minutes) ⓘ

5 ✓

### Action

\* Operation

Increase count by ✓

\* Instance count

1

Which of the following would you choose as the metric source?

- A. Current resource(demoplan)
- B. Storage queue
- ✓ C. Service Bus queue ✓
- D. Application Insights

---

**Explanation:**

Answer – C

Since there is already a scale out condition based on the service bus queue, hence we need to ensure that we create a rule for the scale down again based on the service bus queue.

Because of this reasoning, all other options are incorrect

For more information on the scaling process in Azure Web Apps, one can go to the below link

<https://docs.microsoft.com/en-us/azure/app-service/web-sites-scale>

---

Ask our Experts

Rate this Question? 😊 😞

**Question 43****Correct**

**Domain :Monitor,troubleshoot,and optimize Azure solutions**

A company has developed an application and deployed it to the Azure App Service. They have defined a scale out condition that will scale the App if the average number of Active messages in a service bus queue is greater than 1000.

You need to ensure that the App service continually scales down with a scale down rule.

The scale rule is given below. You have to choose the right options for the scale rule to ensure the scaling down process occurs.

## Scale rule

Metric source

Current resource (demoplan) ▼

Resource type

App Service plans ▼

Resource

demoplan ▼

### Criteria

\* Time aggregation ⓘ

Minimum ▼

\* Metric name

Select a metric ▼

1440 minute time grain

\* Time grain statistic ⓘ

Average ▼

\* Operator

Greater than ▼

\* Threshold

1000 ✓

\* Duration (in minutes) ⓘ

5 ✓

### Action

\* Operation

Increase count by ▼

\* Instance count

1

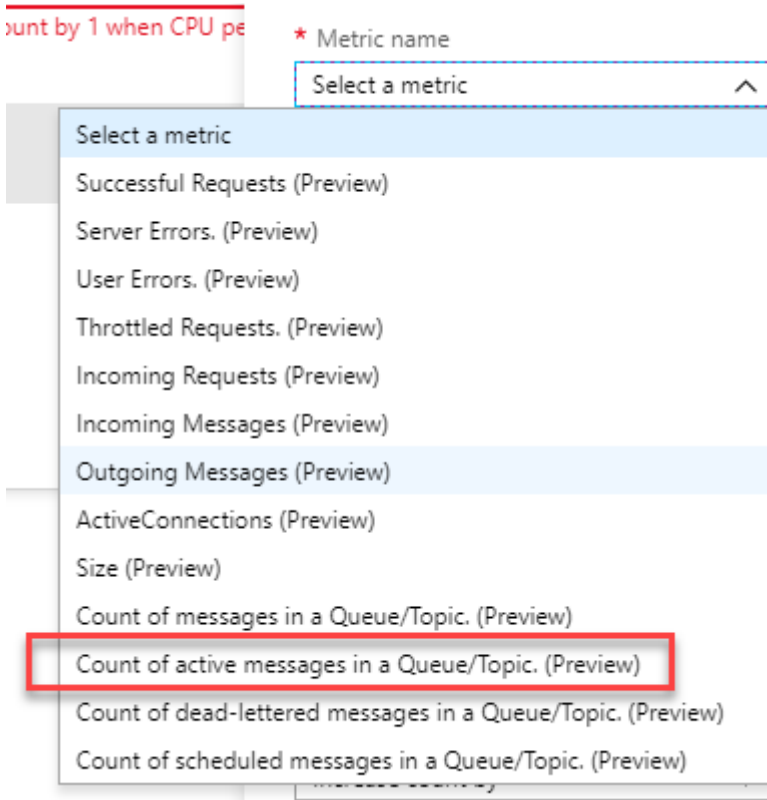
Which of the following would you choose for the Metric?

- A. Successful requests
- B. Incoming requests
- ✓ C. Count of active messages ✓
- D. Size

**Explanation:**

Answer - C

Since the metric for the scale out condition is based on the active message count, we need to also ensure that we choose the same metric for the scale down rule. The metric that can be chosen is shown below



Because of this reasoning, all other options are incorrect

For more information on the scaling process in Azure Web Apps, one can go to the below link

<https://docs.microsoft.com/en-us/azure/app-service/web-sites-scale>

Ask our Experts

Rate this Question? 😊 😞

Question 44

Correct

Domain :Monitor,troubleshoot,and optimize Azure solutions

A company has developed an application and deployed it to the Azure App Service. They have defined a scale out condition that will scale the App if the average number of Active messages in a service bus queue is greater than 1000.

You need to ensure that the App service continually scales down with a scale down rule.

The scale rule is given below. You have to choose the right options for the scale rule to ensure the scaling down process occurs.

## Scale rule

Metric source

Current resource (demoplan) ▼

Resource type

App Service plans ▼

Resource

demoplan ▼

### Criteria

\* Time aggregation ⓘ

Minimum ▼

\* Metric name

Select a metric ▼

1440 minute time grain

\* Time grain statistic ⓘ

Average ▼

\* Operator

Greater than ▼

\* Threshold

1000 ✓

\* Duration (in minutes) ⓘ

5 ✓

### Action

\* Operation

Increase count by ▼

\* Instance count

1

Which of the following would you choose as the Time grain statistic?

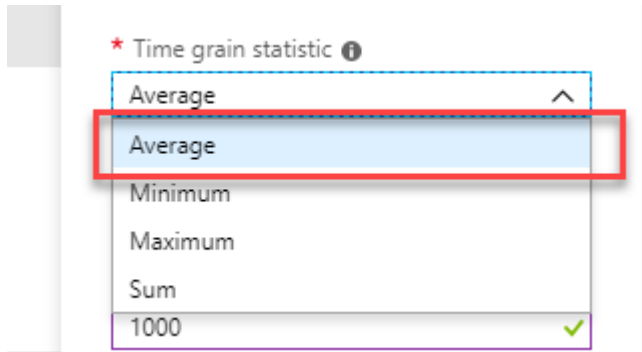
- ✓ A. Average ✓
- B. Minimum
- C. Maximum
- D. Sum



**Explanation:**

Answer - A

Since the metric for the scale out condition is based on the "**average**" active message count, we need to also ensure that we choose the same metric for the scale down rule. The metric that can be chosen is shown below



Because of this reasoning, all other options are incorrect

For more information on the scaling process in Azure Web Apps, one can go to the below link

<https://docs.microsoft.com/en-us/azure/app-service/web-sites-scale>

Ask our Experts

Rate this Question? 😊 😞

Question 45

Correct

Domain :Monitor,troubleshoot,and optimize Azure solutions

A company has developed an application and deployed it to the Azure App Service. They have defined a scale out condition that will scale the App if the average number of Active messages in a service bus queue is greater than 1000.

You need to ensure that the App service continually scales down with a scale down rule.

The scale rule is given below. You have to choose the right options for the scale rule to ensure the scaling down process occurs.

## Scale rule

Metric source

Current resource (demoplan) ▼

Resource type

App Service plans ▼

Resource

demoplan ▼

### Criteria

\* Time aggregation ⓘ

Minimum ▼

\* Metric name

Select a metric ▼

1440 minute time grain

\* Time grain statistic ⓘ

Average ▼

\* Operator

Greater than ▼

\* Threshold

1000 ✓

\* Duration (in minutes) ⓘ

5 ✓

### Action

\* Operation

Increase count by ▼

\* Instance count

1

Which of the following would you choose as the operator for the rule?

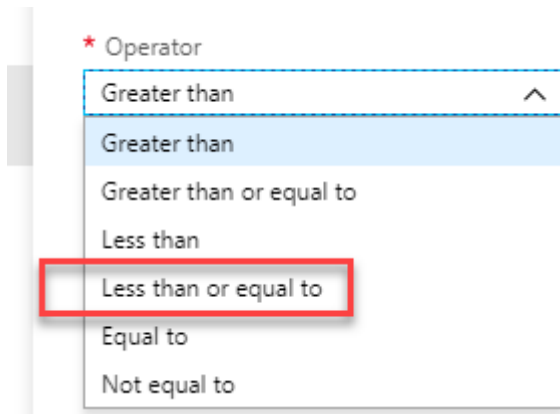
- A. Greater than
- B. Less than
- ✓ C. Less than or equal to ✓
- D. Equal to

**Explanation:**

Answer - C

Since the metric for the scale out condition is based on the number of active message count being greater than 1000, we need to also ensure that we choose the operator as less than or equal to.

An example of this is shown below



Because of this reasoning, all other options are incorrect

For more information on the scaling process in Azure Web Apps, one can go to the below link

<https://docs.microsoft.com/en-us/azure/app-service/web-sites-scale>

Ask our Experts

Rate this Question? 😊 😞

Question 46

Correct

**Domain :Monitor,troubleshoot,and optimize Azure solutions**

A company has developed an application and deployed it to the Azure App Service. They have defined a scale out condition that will scale the App if the average number of Active messages in a service bus queue is greater than 1000.

You need to ensure that the App service continually scales down with a scale down rule.

The scale rule is given below. You have to choose the right options for the scale rule to ensure the scaling down process occurs.

## Scale rule

Metric source

Current resource (demoplan) ▼

Resource type

App Service plans ▼

Resource

demoplan ▼

### Criteria

\* Time aggregation ⓘ

Minimum ▼

\* Metric name

Select a metric ▼

1440 minute time grain

\* Time grain statistic ⓘ

Average ▼

\* Operator

Greater than ▼

\* Threshold

1000 ✓

\* Duration (in minutes) ⓘ

5 ✓

### Action

\* Operation

Increase count by ▼

\* Instance count

1

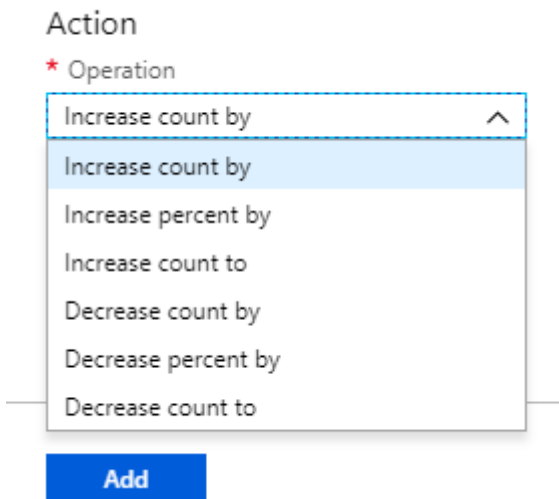
Which of the following would you choose as the operation for the rule?

- A. Increase count by
- B. Increase percent by
- ✓ C. Decrease count by ✓
- D. Decrease percent by

**Explanation:**

Answer - C

The scale down rule should be used to reduce the number of instances, so we can use the Decrease count by rule. Use the "decrease percent by" when you want to reduce it by a particular percentage.



Because of this reasoning, all other options are incorrect

For more information on the scaling process in Azure Web Apps, one can go to the below link

<https://docs.microsoft.com/en-us/azure/app-service/web-sites-scale>

Ask our Experts

Rate this Question? 😊 😞

Question 47

Correct

**Domain :Monitor,troubleshoot,and optimize Azure solutions**

A company is planning on developing a web app and deploying it to Azure. It will be based on .Net Core. They are also planning on using Application Insights on gaining a deeper understanding on the usage of the Web application by users when it goes to production. They have the following requirements

They need to know if most customers are progressing through the entire process in the application, or if they are ending the process at some point.


Is page load time impacting how many people convert on my page

Analyze how many users return to your app, and how often they perform particular tasks or achieve goals.

Show how users navigate between the pages and features of your site

Which of the following Application Insight feature would they use for the requirement

**"They need to know if most customers are progressing through the entire process in the application, or if they are ending the process at some point. "**

- ✓ A. Funnel 
- B. Impact
- C. Retention
- D. User Flows

---

**Explanation:**

Answer – A

This is clearly mentioned in the documentation

# Discover how customers are using your application with Application Insights Funnels

07/17/2017 • 2 minutes to read • Contributors 

Understanding the customer experience is of the utmost importance to your business. If your application involves multiple stages, you need to know if most customers are progressing through the entire process, or if they are ending the process at some point. The progression through a series of steps in a web application is known as a *funnel*. You can use Azure Application Insights Funnels to gain insights into your users, and monitor step-by-step conversion rates.

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

For more information on Application Insights – Funnels feature, one can go to the below link

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

---

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Question 48

Correct

Domain :Monitor,troubleshoot,and optimize Azure solutions

A company is planning on developing a web app and deploying it to Azure. It will be based on .Net Core. They are also planning on using Application Insights on gaining a deeper understanding on

the usage of the Web application by users when it goes to production. They have the following requirements

They need to know if most customers are progressing through the entire process in the application, or if they are ending the process at some point.

Is page load time impacting how many people convert on my page

Analyze how many users return to your app, and how often they perform particular tasks or achieve goals.

Show how users navigate between the pages and features of your site

Which of the following Application Insight feature would they use for the requirement

**"Is page load time impacting how many people convert on my page"**

- A. Funnel
- ✓ B. Impact ✓
- C. Retention
- D. User Flows

#### Explanation:

Answer – B

This is clearly mentioned in the documentation

## Is page load time impacting how many people convert on my page?



To begin answering questions with the Impact tool, choose an initial page view, custom event, or request.

For the page view Product Page ▼ i analyze how its Duration ▼ i

impacts the usage of Purchase Product Clicked ▼ i During Last 7 days ▼ i Bucketize by Ventiles ▼ i

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

For more information on Application Insights – Impact feature, one can go to the below link

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

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## Question 49

Correct

**Domain :Monitor,troubleshoot,and optimize Azure solutions**

A company is planning on developing a web app and deploying it to Azure. It will be based on .Net Core. They are also planning on using Application Insights on gaining a deeper understanding on the usage of the Web application by users when it goes to production. They have the following requirements

They need to know if most customers are progressing through the entire process in the application, or if they are ending the process at some point.

Is page load time impacting how many people convert on my page

Analyze how many users return to your app, and how often they perform particular tasks or achieve goals.

Show how users navigate between the pages and features of your site

Which of the following Application Insight feature would they use for the requirement

**"Analyze how many users return to your app, and how often they perform particular tasks or achieve goals"**

- A. Funnel
- B. Impact
- ✓ C. Retention ✓
- D. User Flows


**Explanation:**

Answer – C

This is clearly mentioned in the documentation



# User retention analysis for web applications with Application Insights

05/03/2017 • 2 minutes to read • Contributors 

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

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

For more information on Application Insights – Retention feature, one can go to the below link

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

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Question 50

Correct

Domain :Monitor,troubleshoot,and optimize Azure solutions

A company is planning on developing a web app and deploying it to Azure. It will be based on .Net Core. They are also planning on using Application Insights on gaining a deeper understanding on the usage of the Web application by users when it goes to production. They have the following requirements

They need to know if most customers are progressing through the entire process in the application, or if they are ending the process at some point.

's page load time impacting how many people convert on my page


.Analyze how many users return to your app, and how often they perform particular tasks or achieve goals.

Show how users navigate between the pages and features of your site

Which of the following Application Insight feature would they use for the requirement

**“Show how users navigate between the pages and features of your site”**

- A. Funnel
- B. Impact
- C. Retention

✓ D. User Flows 

---

**Explanation:**

Answer – D

This is clearly mentioned in the documentation

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

- How do users navigate away from a page on your site?
- What do users click on a page on your site?
- Where are the places that users churn most from your site?
- Are there places where users repeat the same action over and over?

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

For more information on Application Insights –Usage Flows feature, one can go to the below link

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

---

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Question 51

Correct

**Domain :Develop Azure Platform as a Service Compute Solutions**

A company is planning on setting up various Virtual Machines in Azure. It needs to be ensured that the disks are encrypted using keys from the Azure Key vault. You have to complete the below CLI script for this requirement

```
$rgName = "whizlabs-rg"
```

```
$location = "East US"
```

```
Register-AzResourceProvider -ProviderNamespace "Microsoft.KeyVault"
```

```
New-AzResourceGroup -Location $location -Name $rgName
```

```
$keyVaultName = "whizlabsKeyVault$(Get-Random)"
```

Slot1

```
-Location $location `
```

```
-ResourceGroupName $rgName `
```

```
-VaultName $keyVaultName `
```

Slot2

Slot3

```
-VaultName $keyVaultName `
```

```
-Name "whizlabsKey" |
```

Slot4

Which of the following would go into Slot1?

- A. **Set-AzVM**
- B. **New-AzVM**
- ✓ C. **New-AzKeyVault** ✓
- D. **Set-AzKeyVault**

**Explanation:**

Answer – C

An example of this is given in the Microsoft documentation. We first need to ensure we create an Azure Key vault

The Azure Key Vault holding the cryptographic keys and associated compute resources such as storage and the VM itself must all be in the same region. Create an Azure Key Vault with [New-AzKeyVault](#) and enable the Key Vault for use with disk encryption. Specify a unique Key Vault name for *keyVaultName* as follows:

```
Azure PowerShell Copy Try It

$keyVaultName = "myKeyVault$(Get-Random)"
New-AzKeyVault -Location $location `
-ResourceGroupName $rgName `
-VaultName $keyVaultName `
-EnabledForDiskEncryption
```

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

For more information on encrypting disks, one can go to the below link

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/encrypt-disks>

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Question 52

Correct

Domain :Develop Azure Platform as a Service Compute Solutions

A company is planning on setting up various Virtual Machines in Azure. It needs to be ensured that the disks are encrypted using keys from the Azure Key vault. You have to complete the below CLI script for this requirement

```
$rgName = "whizlabs-rg"
```

```
$location = "East US"
```

```
Register-AzResourceProvider -ProviderNamespace "Microsoft.KeyVault"
```

```
New-AzResourceGroup -Location $location -Name $rgName
```

```
$keyVaultName = "whizlabsKeyVault$(Get-Random)"
```

Slot1

```
-Location $location `
```

```
-ResourceGroupName $rgName `
```

```
-VaultName $keyVaultName `
```

Slot2

Slot3

```
-VaultName $keyVaultName `
```

```
-Name "whizlabsKey" |
```

Slot4

Which of the following would go into Slot2?

- ✓ A. `-EnabledForDiskEncryption` ✓
- B. `-BitlockerEnabled`
- C. `-Destination "Software"`
- D. `-VMEncryption`

**Explanation:**

Answer – A

Next, we need to ensure that the Vault is set for Disk Encryption

An example of this is given in the Microsoft documentation.

The Azure Key Vault holding the cryptographic keys and associated compute resources such as storage and the VM itself must all be in the same region. Create an Azure Key Vault with [New-AzKeyVault](#) and enable the Key Vault for use with disk encryption. Specify a unique Key Vault name for *keyVaultName* as follows:

```
Azure PowerShell Copy Try It

$keyVaultName = "myKeyVault$(Get-Random)"
New-AzKeyVault -Location $location `
 -ResourceGroupName $rgName `
 -VaultName $keyVaultName `
 -EnabledForDiskEncryption
```

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

For more information on encrypting disks, one can go to the below link

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/encrypt-disks>

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Question 53

Correct

Domain :Develop Azure Platform as a Service Compute Solutions

A company is planning on setting up various Virtual Machines in Azure. It needs to be ensured that the disks are encrypted using keys from the Azure Key vault. You have to complete the below CLI script for this requirement

```
$rgName = "whizlabs-rg"
```

```
$location = "East US"
```

```
Register-AzResourceProvider -ProviderNamespace "Microsoft.KeyVault"
```

```
New-AzResourceGroup -Location $location -Name $rgName
```

```
$keyVaultName = "whizlabsKeyVault$(Get-Random)"
```

Slot1

```
-Location $location `
```

```
-ResourceGroupName $rgName `
```

```
-VaultName $keyVaultName `
```

Slot2


Slot3

```
-VaultName $keyVaultName `
```

```
-Name "whizlabsKey" |
```

Slot4

Which of the following would go into Slot3?

- A. `Set-AzVM`
- B. `New-AzVM`
- C. `New-AzKeyVault`
- ✓ D. `Add-AzureKeyVaultKey` 

**Explanation:**

Answer – D

Next, we need to add a key to the vault for encryption purposes

An example of this is given in the Microsoft documentation.

```
Azure PowerShell  
```

```
Add-AzureKeyVaultKey -VaultName $keyVaultName `
-Name "myKey" `
-Destination "Software"
```

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

For more information on encrypting disks, one can go to the below link

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/encrypt-disks>

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Question 54

Correct

Domain :Develop Azure Platform as a Service Compute Solutions

A company is planning on setting up various Virtual Machines in Azure. It needs to be ensured that the disks are encrypted using keys from the Azure Key vault. You have to complete the below CLI script for this requirement



```
$rgName = "whizlabs-rg"
```

```
$location = "East US"
```

```
Register-AzResourceProvider -ProviderNamespace "Microsoft.KeyVault"
```

```
New-AzResourceGroup -Location $location -Name $rgName
```

```
$keyVaultName = "whizlabsKeyVault$(Get-Random)"
```

Slot1

```
-Location $location `
```

```
-ResourceGroupName $rgName `
```

```
-VaultName $keyVaultName `
```

Slot2


Slot3

```
-VaultName $keyVaultName `
```

```
-Name "whizlabsKey" `
```

Slot4

Which of the following would go into Slot4?

- A. -EnabledForDiskEncryption
- B. -BitlockerEnabled
- ✓ C. -Destination "Software" 
- D. -VMEncryption

---

### Explanation:

Answer - C

We have to ensure a software key is created for the disk encryption

An example of this is given in the Microsoft documentation.

```
Azure PowerShell
```

```
Add-AzureKeyVaultKey -VaultName $keyVaultName `
 -Name "myKey" `
 -Destination "Software"
```

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

For more information on encrypting disks, one can go to the below link

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/encrypt-disks>

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#### Question 55

Incorrect

Domain :Develop Azure Platform as a Service Compute Solutions

A company has to deploy a Docker/Go application onto Azure. They need to deploy the application using the Azure App Service Linux. Currently there are no resource groups in place which support linux based containers. You need to ensure the right and minimum number of CLI commands are executed to deploy the solution. Which of the following commands would you run as part of this solution? Choose 3 answers from the options given below

- ✓ A. az group create ✓
- ✓ B. az appservice plan create ✓
- C. az appservice plan assign
- ✓ D. az web app create ✓
- ✓ E. az web app assign ✗

#### Explanation:

Answer – A, B and D

The steps for fulfilling this requirement is given as an example in the Microsoft documentation

- 1 First you have to ensure that a location is chosen which has support for Linux based containers. So, we will first create the resource group

## Create a resource group

A [resource group](#) is a logical container into which Azure resources like web apps, databases, and storage accounts are deployed and managed. For example, you can choose to delete the entire resource group in one simple step later.

In the Cloud Shell, create a resource group with the `az group create` command. The following example creates a resource group named `myResourceGroup` in the `West Europe` location. To see all supported locations for App Service on Linux in **Basic** tier, run the `az appservice list-locations --sku B1 --linux-workers-enabled` command.

Azure CLI

 Copy Try It

```
az group create --name myResourceGroup --location "West Europe"
```

2.Next, we create the App Service plan

## Create an Azure App Service plan

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

The following example creates an App Service plan named `myAppServicePlan` in the **Basic** pricing tier ( `--sku B1` ) and in a Linux container ( `--is-linux` ).

Azure CLI

 Copy Try It

```
az appservice plan create --name myAppServicePlan --resource-group myResourceGroup --sku B1 --is-linux
```

3.And then finally we create the Web App

# Create a web app

Create a [web app](#) in the `myAppServicePlan` App Service plan with the [az webapp create](#) command. Don't forget to replace `<app name>` with a globally unique app name.

```
Azure CLI Copy Try It

az webapp create --resource-group myResourceGroup --plan myAppServicePlan --name <app name> --deployment-c
```

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

For more information on deploying docker/go containers, one can go to the below link

<https://docs.microsoft.com/en-us/azure/app-service/containers/quickstart-docker-go>

---

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