

Q1)

A company is developing an application. The application will be storing data about game scores for players. A class called PlayerScore is in place in the code as a Table Entity. The table is populated with thousands of records. You need to design code that will retrieve 10 records where the score exceeds 4000. The following snippets of code have been put in place

```
class PlayerScore : TableEntity
{
    public PlayerScore()
    {
    }
    public PlayerScore(string p_GameID, string p_PlayerID, int p_score, long p_timeplayed)
    {
        this.PartitionKey = p_GameID;
        this.RowKey = p_PlayerID;
        this.score = p_score;
        this.Timeplayed = p_timeplayed;
    }
    public int score { get; set; }
    public long Timeplayed { get; set; }
}
```

```
private static void Query()
{
    CloudStorageAccount XYZ_storage = CloudStorageAccount.Parse(conn_string);
    CloudTableClient XYZ_table_client = XYZ_storage.CreateCloudTableClient();
    CloudTable XYZ_table = XYZ_table_client.GetTableReference("Player");

    TableQuery<DynamicTableEntity> query = new TableQuery<DynamicTableEntity>().Select
    (new string[] { "score" }).Where(TableQuery.GenerateFilterConditionForInt("score",
    QueryComparisons.GreaterThanOrEqual, 4000)).Take(10);
    EntityResolver<KeyValuePair<string, int?>> resolver = (partitionKey, rowKey, ts, props, etag)
=> new KeyValuePair<string, int?>(rowKey, props["score"].Int32Value);

    foreach (var scoreItem in XYZ_table.ExecuteQuery(query, resolver, null, null))
    {
        Console.WriteLine(scoreItem.Key);
        Console.WriteLine(scoreItem.Value);
    }
}
```

Does the code return all records to the client? The client will then display the records where the score is greater than 4000?

- Yes

Explanation:-Here since the query is performed on a property that is not related to the Partition Key, all the rows from the table will be fetched. The Microsoft documentation mentions the following

- No

Q2) You are designing the class that will be used to parse the Event Data from the Event Grid. You have to complete the below class segment

Which of the following will go into Slot2?

- eventType
 topic

Explanation:-Since the EventGridController.cs file refers to the id and topic value, we need to ensure these are in place in the class definition for the object

When publishing events to custom topics, create subjects for your events that make it easy for subscribers to know whether they're interested in the event. Link - <https://docs.microsoft.com/en-us/azure/event-grid/event-schema>

- id
 metadataVersion

Q3) You are designing the class that will be used to parse the Event Data from the Event Grid. You have to complete the below class segment

Which of the following will go into Slot1?

- eventType

Explanation:-We also need to have the eventType in place.

The Microsoft documentation below specifies the Event Schema for the Event Grid

- topic
 - id
 - metadataVersion
-

Q4)

Users report that anomaly detection emails can sometimes arrive several minutes after an anomaly is detected.

How can you resolve this issue?

- Ensure that the Azure Function is using an App Service plan.
- Set Always On to false
- Ensure that the Azure Function is set to use a consumption plan.
- Set Always On to true.

Explanation:-

Here the issue is that the Azure Web app is being stopped when it is not being used. For this you have to ensure the AlwaysOn setting for the Web App is implemented as True as shown below

The screenshot shows the 'XYZapp - Application settings' page in the Azure portal. The left sidebar lists various settings categories. The 'Application settings' link is highlighted with a red circle labeled '1'. In the main content area, under 'General settings', there is a section about Python support. Below that, the 'Always On' setting is shown as a toggle switch, which is currently set to 'On' (indicated by a purple bar), and is also highlighted with a red circle labeled '2'.

The Microsoft documentation mentions the following on the setting.

Always On. By default, apps are unloaded if they are idle for some period of time. This lets the system conserve resources. In Basic or Standard mode, you can enable **Always On** to keep the app loaded all the time. If your app runs continuous WebJobs or runs WebJobs triggered using a CRON expression, you should enable **Always On**, or the web jobs may not run reliably.

Q5) The "XYZPolicyService" application must be able to scale on demand. Which Azure Application Insights data model should you use?

- An Application Insights trace
- An Application Insights dependency
- An Application Insights metric

Explanation:-You can use Application Insights metrics to scale Web Apps. The Microsoft documentation gives an example on this where the metrics source is Application Insights.

- An Application Insights event
-

Q6)

There is a plan to use Azure Redis Cache to improve the performance of the "XYZPolicyService" application.

Which of the following would you store in Azure Redis Cache?

- ViewState
- Session state

Explanation:-You would ideally store the session state in Azure Redis. The Microsoft documentation mentions the following as one of the patterns or use cases for using Azure Redis.

- HttpContext.Items
 - TempData
-

Q7) 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"

Retention

Impact

Explanation:-This is clearly mentioned in the documentation

Funnel

User Flows

Q8) 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

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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"

User Flows

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Explanation:-This is clearly mentioned in the documentation

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Q9) 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

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

User Flows

Explanation:-This is clearly mentioned in the documentation

Retention

Impact

Funnel

Q10)

A company is building a traffic monitoring system. The system would be monitoring the traffic along 4 highways. The system would be responsible for producing a time series-based analysis report for each highway. The traffic sensors on each highway have been configured to send its data to Azure Event Hubs. The data from Event Hubs is then consumed by three departments. Each department makes use of an Azure Web App to display the data. You have to implement the Azure Event Hub instance. You need to implement a solution which ensures data throughput is maximized and latency is minimized.

Which of the following would you use as the partition key?

Department

Highway

Explanation:-Since the data would come in for each highway, the highway represented by probably a highway number would be ideal for the partition key. The other options are incorrect since they would not provide ideal values for the distribution of data across the partitions. For more information on partition keys, please visit the following URL <https://docs.microsoft.com/en-us/azure/event-hubs/event-hubs-features#partitions>

Timestamp

Datestamp

Q11)

An application is currently making use of an Azure storage account. Soft delete is enabled on the storage account. The application uploads a blob named img1.jpg. Snapshot 1 is then created out of the blob. And then Snapshot 2 is created out of the blob. Snapshot 1 is then deleted. A system error has caused the application to now go ahead and delete the blob and all of its snapshots.

Would you be able to restore the blob imgjpg?

Correct

Explanation:-The soft delete features allows you to recover blobs and its snapshots as well The Microsoft documentation mentions the following For more information on the soft delete feature, please visit the following URL

Incorrect

Q12)

An application is currently making use of an Azure storage account. Soft delete is enabled on the storage account. The application uploads a blob named img1.jpg. Snapshot 1 is then created out of the blob. And then Snapshot 2 is created out of the blob. Snapshot 1 is then deleted. A system error has caused the application to now go ahead and delete the blob and all of its snapshots.

Would you be able to restore Snapshot 1?

- Correct

Explanation:-The soft delete features allows you to recover blobs and its snapshots as well The Microsoft documentation mentions the following

- Incorrect

Q13)

An application is currently making use of an Azure storage account. Soft delete is enabled on the storage account. The application uploads a blob named img1.jpg. Snapshot 1 is then created out of the blob. And then Snapshot 2 is created out of the blob. Snapshot 1 is then deleted. A system error has caused the application to now go ahead and delete the blob and all of its snapshots.

Would you be able to restore Snapshot 2?

- Correct

Explanation:-The soft delete feature allows you to recover blobs and its snapshots as well

The Microsoft documentation mentions the following

- Incorrect

Q14) A company currently has a web service deployed that is used to take in food orders and deliveries. The web service used Azure Cosmos DB as the data store.

A new feature is being rolled out that allow users to set a tip amount for orders. The new feature now mandates that the order needs to have a property named Ordertip in the document in Cosmos DB and that the property must contain a numeric value. There might be existing web sites and web services that may not be updated so far to include this feature of having a tip in place.

You need to complete the below code trigger for this requirement

Which of the following would go into Slot 1?

- this.readDocument('item');
- this.value();
- getContext().getRequest();

Explanation:-This trigger in the web service will be used to get the request first from the web sites and applications that call this web service.

A similar example if also given in the Microsoft documentation

- getCoext().getResponse();

Q15) A company currently has a web service deployed that is used to take in food orders and deliveries. The web service used Azure Cosmos DB as the data store.

new feature is being rolled out that allow users to set a tip amount for orders. The new feature now mandates that the order needs to have a property named Ordertip in the document in Cosmos DB and that the property must contain a numeric value. There might be existing web sites and web services that may not be updated so far to include this feature of having a tip in place.

You need to complete the below code trigger for this requirement

Which of the following would go into Slot 2?

- If(response.getValue("Ordertip")==null) {
- If(request.getValue("Ordertip")==null) {
- If(!("Ordertip" in i)) {

Explanation:-Here we need to check if the Ordertip property exists in the request

A similar example if also given in the Microsoft documentation

- If (type.getValue("Ordertip") == null) {

Q16) A company currently has a web service deployed that is used to take in food orders and deliveries. The web service used Azure Cosmos DB as the data store.

A new feature is being rolled out that allow users to set a tip amount for orders. The new feature now mandates that the order needs to have a property named Ordertip in the document in Cosmos DB and that the property must contain a numeric value. There might be existing web sites and web services that may not be updated so far to include this feature of having a tip in place.

You need to complete the below code trigger for this requirement

Which of the following would go into Slot 3?

- this.replaceDocument(i);
- r.setValue(i);
- r.setBody(i);

Explanation:-We now need to set the request Body with the modified request

A similar example if also given in the Microsoft documentation

- this.upsertDocument(i);

Q17)

A company is building a traffic monitoring system. The system would be monitoring the traffic along 4 highways. The system would be responsible for producing a time series-based analysis report for each highway. The traffic sensors on each highway have been configured to send its data to Azure Event Hubs. The data from Event Hubs is then consumed by three departments.

Each department makes use of an Azure Web App to display the data. You have to implement the Azure Event Hub instance. You need to implement a solution which ensures data throughput is maximized and latency is minimized.

What is the number of partitions you would setup in the Event Hub?

4

Explanation:-For maximum throughput, we can create a separate partition for each highway.

- 3
- 2
- 1

Q18) You are going to deploy a web application onto Azure. You would make use of the App Service on Linux. You go ahead and create an App Service Plan. You then go ahead and publish a custom docker image onto the Azure Web App. You need to access the console logs generated from the container in real time. You need to complete the following Azure CLI script for this Which of the following would go into Slot 1?

- download
- config

Explanation:-To configure “logging” we need to use the “az webapp log configure” command

The Microsoft documentation mentions the following

- show
- tail

Q19) You are going to deploy a web application onto Azure. You would make use of the App Service on Linux. You go ahead and create an App Service Plan. You then go ahead and publish a custom docker image onto the Azure Web App. You need to access the console logs generated from the container in real time. You need to complete the following Azure CLI script for this Which of the following would go into Slot 2?

- system-logging
- docker-container-logging

Explanation:-For container logging, we need to use the flag --docker-container-logging

The Microsoft documentation mentions the following on the command flag

- web-server-logging
- application-logging

Q20) You are going to deploy a web application onto Azure. You would make use of the App Service on Linux. You go ahead and create an App Service Plan. You then go ahead and publish a custom docker image onto the Azure Web App. You need to access the console logs generated from the container in real time. You need to complete the following Azure CLI script for this Which of the following would go into Slot 3?

webapp

Explanation:-To get a live trail of the logs, we need to use the “az webapp log tail” command

- docker
- acr
- aks

Q21) You are going to deploy a web application onto Azure. You would make use of the App Service on Linux. You go ahead and create an App Service Plan. You then go ahead and publish a custom docker image onto the Azure Web App. You need to access the console logs generated from the container in real time. You need to complete the following Azure CLI script for this Which of the following would go into Slot 4?

- show
- tail

Explanation:-To get a live trail of the logs, we need to use the “az webapp log tail” command

- download
- config

Q22)

You have to develop an ASP.Net Core application. The application is used to work with blobs in an Azure storage account. The application authenticates via Azure AD credentials. Role based access has been implemented on the containers that contain the blobs. These roles have been assigned to the users. You have to configure the application so that the user's permissions can be used with the Azure Blob containers.

What is the type of permission that needs to be used for the Microsoft Graph API?

- Secondary
- Delegated

Explanation:-For the Microsoft Graph API, we need to use the Delegated permission type. This is also given in the Microsoft documentation

- Primary
- Application

Q23)

You have to develop an ASP.Net Core application. The application is used to work with blobs in an Azure storage account. The application authenticates via Azure AD credentials. Role based access has been implemented on the containers that contain the blobs. These roles have been assigned to the users. You have to configure the application so that the user's permissions can be used with the Azure Blob containers.

Which of the following would you use as the Permission for the Azure Storage API?

- User.Read
- User.Write
- client_id
- user_impersonation

Explanation:-For the storage account, we need to use the user_impersonation permission. This is also given in the Microsoft documentation

Q24)

You have to develop an ASP.Net Core application. The application is used to work with blobs in an Azure storage account. The application authenticates via Azure AD credentials. Role based access has been implemented on the containers that contain the blobs. These roles have been assigned to the users. You have to configure the application so that the user's permissions can be used with the Azure Blob containers.

What is the type of permission that needs to be used for the Azure Storage API?

- Secondary
- Delegated

Explanation:-Here the permission type needs to be delegated

- Primary
- Application

Q25) You have to build a web application that would be deployed onto Azure. The web application would not allow anonymous access. The authentication would be carried out via Azure AD.

The application needs to above by the following requirements

- Users must be able to log into the web application using their Azure AD credentials
- The personalization of the web application must be based on the membership in Active Directory groups

You have to configure the application manifest file

Which of the following would go into Slot 1?

- "groupMembershipClaims"

Explanation:-To get all the groups the user is a part of, you need to set the "groupMembershipClaims"

The Microsoft documentation mentions the following

- "optionalClaims"
- "AllClaims"
- "AppClaims"

Q26) You have to build a web application that would be deployed onto Azure. The web application would not allow anonymous access. The authentication would be carried out via Azure AD.

The application needs to above by the following requirements

- Users must be able to log into the web application using their Azure AD credentials
- The personalization of the web application must be based on the membership in Active Directory groups

You have to configure the application manifest file

Which of the following would go into Slot 2?

- "requiredResourceAccess"
- "oauth2Permissions"

Explanation:-The "oAuth2Permissions" is used for web API permissions

The Microsoft documentation mentions the following

- "allowPublicClient"
- "oauth2AllowImplicitFlow"

Explanation:-Link - <https://docs.microsoft.com/en-us/azure/active-directory/develop/reference-app-manifest>

Q27)

You have to setup a data store using Azure Cosmos DB. The documents that would be stored in Cosmos DB would contain hundreds of properties. The Azure Cosmos DB account would be using the SQL API. The issue currently is that in the design stage it has been noticed that there are no distinct values in the documents that can be used for partitioning. You need to choose a partition key that would ensure workloads are spread evenly over the partitions.

Which of the following are strategies that can be implemented? Choose 2 answers from the options given below

- Using a hash suffix that is appended to a property value

Explanation:-You can use a concatenation of multiple property values and also use a suffix.

The Microsoft documentation mentions the following

- Using a single property value that does not appear frequently in the documents
- Employing a strategy of concatenation of multiple property values with a random suffix appended

Explanation:-You can use a concatenation of multiple property values and also use a suffix.

The Microsoft documentation mentions the following

- Using a value containing the collection name

Q28) You have to create an Azure Cosmos DB account that would need to use the Table API. Cost needs to be optimized for the Cosmos DB account. The application can afford to read out of order writes. You have to complete the below CLI command for the creation of the account and the table

Which of the following would go into Slot 2?

- table create
- create
- capabilities

Explanation:-We need to use the --capabilities option to create a Cosmos DB account with the Table API

An example of this is also given in the Microsoft documentation

- group create

Q29) You have to create an Azure Cosmos DB account that would need to use the Table API. Cost needs to be optimized for the Cosmos DB account. The application can afford to read out of order writes. You have to complete the below CLI command for the creation of the account and the table

Which of the following would go into Slot 3?

- Bounded staleness
- Eventual

Explanation:-Since the requirements mentions to cut on costs and since the application can afford to read out of order writes, we should opt for Eventual consistency

- Strong
- Session

Q30) You have to create an Azure Cosmos DB account that would need to use the Table API. Cost needs to be optimized for the Cosmos DB account. The application can afford to read out of order writes. You have to complete the below CLI command for the creation of the account and the table

Which of the following would go into Slot 4?

- capabilities
- table create

Explanation:-Here we have to go ahead and create a table in the Cosmos DB account

An example of this is also given in the Microsoft documentation

- create
- group create

Q31) A development team is developing an application. The application will be working with customer data. The application will also be making use of Azure Redis Cache. You need to invalidate the cache when the customer data is changed.

You have to complete the below code to comply with the requirement.

Which of the following will go into Slot2?

- cache.KeyDelete(p_Customer);
- Explanation:-**Since you have to invalidate the cache, you have to delete the Key itself.

- cache.ValueDelete(p_Customer);

Explanation:-This option is incorrect since you need to work with keys and not the values.

- cache.StringGet(p_Customer);

Explanation:-This option is incorrect since this is used to get the string value.

- cache.StringSet(p_Customer);

Explanation:-This option is incorrect since this is used to set the string value.

Q32) As a developer you need to create a Dockerfile for an application. The application will be based on ASP.Net core. The application has the following requirements:

- Ensure that the application montanaApp.dll runs at the startup of the docker container

- Run a powershell script called montanascript.ps1 in the Docker container

The montanaApp.dll and the montanascript.ps1 are in the same location as the DockerFile.

Which of the following commands would you place in the DockerFile?

- RUN "montanaApp.dll","montanascript.ps1"
- ENTRYPOINT ["montanaApp.dll", "montanascript.ps1"]
- RUN powershell "montanascript.ps1"

Explanation:-

Examples of DockerFiles are given in the Microsoft documentation. The below example shows how to define the base image and run an application on startup of the docker container.

The following example shows a sample Dockerfile for an ASP.NET Core container.



A screenshot of a Dockerfile editor window. The Dockerfile contains the following code:

```
FROM microsoft/dotnet:2.2-aspnetcore-runtime
ARG source
WORKDIR /app
EXPOSE 80
COPY ${source:-obj/Docker/publish} .
ENTRYPOINT ["dotnet", "MySingleContainerWebApp.dll"]
```

In this case, the image is based on version 2.2 of the official ASP.NET Core Docker image (multi-arch for Linux and Windows). This is the setting `FROM microsoft/dotnet:2.2-aspnetcore-runtime`. (For more information about this base image, see the [.NET Core Docker Image](#) page.) In the Dockerfile, you also need to instruct Docker to listen on the TCP port you will use at runtime (in this case, port 80, as configured with the `EXPOSE` setting).

You can specify additional configuration settings in the Dockerfile, depending on the language and framework you're using. For instance, the `ENTRYPOINT` line with `["dotnet", "MySingleContainerWebApp.dll"]` tells Docker to run a .NET Core application. If you're using the SDK and the .NET Core CLI (dotnet CLI) to build and run the .NET application, this setting would be different. The bottom line is that the `ENTRYPOINT` line and other settings will be different depending on the language and platform you choose for your application.

And the below example shows how to run a powershell script:

Using PowerShell commands in a Dockerfile to set up Windows Containers

[Windows Containers](#) allow you to convert your existing Windows applications into Docker images and deploy them with the same tools as the rest of the Docker ecosystem. To use Windows Containers, you run PowerShell commands in the Dockerfile, as shown in the following example:

```
Dockerfile Copy
FROM microsoft/windowsservercore
LABEL Description="IIS" Vendor="Microsoft" Version="10"
RUN powershell -Command Add-WindowsFeature Web-Server
CMD [ "ping", "localhost", "-t" ]
```

Based on the examples given in the documentation, all other options are incorrect.
For more information on a complete docker application workflow, one can go to the below link:
<https://docs.microsoft.com/en-us/dotnet/standard/microservices-architecture/docker-application-development-process/docker-app-development-workflow>

- FROM microsoft/dotnet:2.2-aspnetcore-runtime

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For more information on a complete docker application workflow, one can go to the below link:
<https://docs.microsoft.com/en-us/dotnet/standard/microservices-architecture/docker-application-development-process/docker-app-development-workflow>

- EXPOSE montanaApp.dll ,montanascript.ps1
- ENTRYPOINT ["dotnet", "montanaApp.dll"]

Explanation:-

Examples of DockerFiles are given in the Microsoft documentation. The below example shows how to define the base image and run an application on startup of the docker container.

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Based on the examples given in the documentation, all other options are incorrect.

For more information on a complete docker application workflow, one can go to the below link:

<https://docs.microsoft.com/en-us/dotnet/standard/microservices-architecture/docker-application-development-process/docker-app-development-workflow>

Q33) A company is developing a solution that allows smart devices to send information to a central location. The solution must receive and store messages until they can be processed. You create an Azure Service Bus instance by providing a name, pricing tier, subscription, resource group, and location.

You need to complete the configuration.

Which Azure CLI or PowerShell command should you run?

- New-AzureRmServiceBusNamespace -ResourceGroup "montana-rg" -NamespaceName montana -Location WestUS -SkuName "Standard"
- az group create --name "montana-rg" --location "Central US"
- New-AzureRmServiceBusQueue
-ResourceGroupName "montana-rg"
-NamespaceName montana
-Name montanaqueue
-EnablePartitioning \$False

Explanation:-Since the question already states that we have a resource group and namespace in place, we can just use the "New-AzureRmServiceBusQueue" to create a new queue in the namespace.

Since all of the other resources are already in place as per the question, all other options are invalid.

For more information on using the Azure CLI for working with the Azure Service Bus, one can go to the below link:

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

- New-AzureRmResourceGroup -Name "montana-rg" -Location "Central US"

Q34) A developer has setup a web application in Azure and also setup Azure CDN to route requests to the Web App. One of the requirements is to ensure that if users make requests based on passing an ID parameter, then those requests should always be served from a Point of Presence. An example of the URL is given below:

<https://montana.com/Customer.aspx?ID=1>

Which of the following mode should be set for the query string setting for the CDN service?

- Default setting
- Bypass caching
- Cache every unique URL

Explanation:-Below are the different settings available for the CDN when it comes to caching of the query string.

Since we need to ensure that query strings are cached, we have to choose the option of 'Cache every unique URL'

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

For more information on working with query strings for CDN, one can go to the below link:

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

- Ignore query strings

Q35) A developer needs to run a set of Azure CLI commands to create a virtual machine. You need to complete the below set of commands.

Which of the following would go into Slot1?

- vm set
- group create

Explanation:-An example of this is given in the Microsoft documentation. The first step is to ensure that you create a resource group via the az group create CLI command

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

For more information on using Azure CLI commands to create virtual machines, please visit the below URL

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/quick-create-cli>

- vm create
- group set

Q36) A developer needs to run a set of Azure CLI commands to create a virtual machine. You need to complete the below set of commands.

Which of the following would go into Slot2?

- vm set
- group create
- vm create

Explanation:-An example of this is given in the Microsoft documentation. The next step is to ensure that you create the virtual machine via the vm

create CLI command.

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

For more information on using Azure CLI commands to create virtual machines, please visit the below URL:

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/quick-create-cli>

- group set
-

Q37) A developer needs to run a set of Azure CLI commands to create a virtual machine. You need to complete the below set of commands.

Which of the following would go into Slot3?

- version
 --edition
 --image

Explanation:-Here, we are mentioning that the image name should be Windows Server 2016. An example of this is provided in the Microsoft documentation.

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

For more information on using Azure CLI commands to create virtual machines, please visit the below URL:

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/quick-create-cli>

- create
-

Q38) A development team needs to create an Azure Function that would perform the following tasks:

- Read messages from a queue defined as montanaqueue
- Write the subsequent data read from the messages to Azure Table storage

You need to complete the following function.json file for this scenario:

Which of the following would go into Slot1?

- out
 in

Explanation:-Since we need to read messages from the queue, hence this needs to be tagged as the 'in' direction in the json settings file. An example of this is provided in the Microsoft documentation.

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

For more information on working with Function bindings, please visit the below URL:

<https://docs.microsoft.com/en-us/azure/azure-functions/functions-bindings-example>

- target
 source
-

Q39) A development team needs to create an Azure Function that would perform the following tasks:

- Read messages from a queue defined as montanaqueue
- Write the subsequent data read from the messages to Azure Table storage

You need to complete the following function.json file for this scenario:

Which of the following would go into Slot2?

- storage
 table

Explanation:-Since the messages need to be written by the Azure function into an Azure storage table, we need to mention the type as 'table'. An example of this is provided in the Microsoft documentation.

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

For more information on working with Function bindings, please visit the below URL:

<https://docs.microsoft.com/en-us/azure/azure-functions/functions-bindings-example>

- account
 db
-

Q40) A development team needs to create an Azure Function that would perform the following tasks:

- Read messages from a queue defined as montanaqueue
- Write the subsequent data read from the messages to Azure Table storage

You need to complete the following function.json file for this scenario:

Which of the following would go into Slot3?

- target
 out

Explanation:-Since the messages need to be written by the Azure function into an Azure storage table, we need to mention the parameter as an 'out' parameter. An example of this is provided in the Microsoft documentation.

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

For more information on working with Function bindings, please visit the below URL:

<https://docs.microsoft.com/en-us/azure/azure-functions/functions-bindings-example>

- in
 source
-

Q41)

A team is developing code that is going to be interacting with Azure Table storage.

Below is the code snippet for the entity class:

```
namespace CosmosTableSamples.Model
{
    using Microsoft.Azure.Cosmos.Table;
    public class montanaEntity : TableEntity
    {
        public montanaEntity()
        {
        }
    }
}
```

```

        }

        public montanaEntity(string lastName, string firstName)
        {
            PartitionKey = lastName;
            RowKey = firstName;
        }

        public string course { get; set; }
        public string progress { get; set; }
    }
}

```

Based on this, you need to complete the following code snippet which would accomplish the following:
"Get the customer whose last name is Jason and the course name is "BigData"

```

CloudTableClient montanatableClient = montanaaccount.CreateCloudTableClient();
CloudTable montanatable = montanatableClient.GetTableReference("montanacustomer");

TableQuery< Slot1 > query = new TableQuery< Slot2 >()
    .Where(
        TableQuery.CombineFilters(
            TableQuery.GenerateFilterCondition( Slot3 , QueryComparisons.Equal, "Jason"),
            TableOperators.And,
            TableQuery.GenerateFilterCondition( Slot4 , QueryComparisons.Equal,"BigData")
        ));

```

await table.ExecuteQuerySegmentedAsync<CustomerEntity>(query, null);

Which of the following would go into Slot1?

- Querystring
- TableEntity
- montanaEntity

Explanation:-Since the class itself defined for the entity is montanaEntity, we need to use that class name.

For more information on working with table queries from .Net, please visit the below URL:

<https://docs.microsoft.com/en-us/azure/azure-functions/functions-bindings-example>

- Montanacustomer

Q42)

A developer has been assigned a task to create code which would interact with an Azure Redis instance.
Objects of the following class need to be uploaded to the Azure Redis Cache database:

```

class MontanaCustomer
{
    public string Id { get; set; }
    public string Name { get; set; }

    public Employee(string pID, string pName)
    {
        this.Id = pID;
        this.Name = pName;
    }
}

```

You need to complete the below code snippet.

```

// Code to store the object in cache
MontanaCustomer obj = new MontanaCustomer ("1", "David");

cache. Slot1 ("ID1", JsonConvert. Slot2 (obj));

// Retrieve the object from the cache
MontanaCustomer objcache = JsonConvert. Slot3 <MontanaCustomer>(cache. Slot4 ("ID1"));

```

Which of the following would go into Slot1?

- ClassSet

- ObjectSet
- StringSet

Explanation:-To Add an object to the cache database, we need to use the StringSet Method. An example of this is also given in the Microsoft documentation.

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

For more information on how to work with Azure Redis Cache from a .Net program, please visit the below URL:

<https://docs.microsoft.com/en-us/azure/azure-cache-for-redis/cache-dotnet-how-to-use-azure-redis-cache>

- Set

Q43)

A developer has been assigned a task to create code which would interact with an Azure Redis instance.
Objects of the following class need to be uploaded to the Azure Redis Cache database:

```
class MontanaCustomer
{
    public string Id { get; set; }
    public string Name { get; set; }

    public Employee(string pID, string pName)
    {
        this.Id = pID;
        this.Name = pName;
    }
}
```

You need to complete the below code snippet.

```
// Code to store the object in cache
MontanaCustomer obj = new MontanaCustomer ("1", "David");

cache. Slot1 ("ID1", JsonConvert. Slot2 (obj));

// Retrieve the object from the cache
MontanaCustomer objcache = JsonConvert. Slot3 <MontanaCustomer>(cache. Slot4 ("ID1"));
```

Which of the following would go into Slot2?

- GetObject
- SerializeObject

Explanation:-We need to serialize the object before it can be added to the redis cache database.

An example of this is also given in the Microsoft documentation.

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

For more information on how to work with Azure Redis Cache from a .Net program, please visit the below URL:

<https://docs.microsoft.com/en-us/azure/azure-cache-for-redis/cache-dotnet-how-to-use-azure-redis-cache>

- SetObject
- SerializeClass

Q44)

A developer has been assigned a task to create code which would interact with an Azure Redis instance.
Objects of the following class need to be uploaded to the Azure Redis Cache database:

```
class MontanaCustomer
{
    public string Id { get; set; }
    public string Name { get; set; }

    public Employee(string pID, string pName)
    {
        this.Id = pID;
        this.Name = pName;
    }
}
```

You need to complete the below code snippet.

```
// Code to store the object in cache
MontanaCustomer obj = new MontanaCustomer ("1", "David");
```

```
MontanaCustomer obj = new MontanaCustomer ("1", "David");
```

```
cache. Slot1 ("ID1", JsonConvert. Slot2 (obj));
```

```
// Retrieve the object from the cache
```

```
MontanaCustomer objcache = JsonConvert. Slot3 <MontanaCustomer>(cache. Slot4 ("ID1"));
```

Which of the following would go into Slot3?

- GetObject
- DeserializeObject

Explanation:-We need to use the deserialize method to convert the object retrieved from the cache.

An example of this is also given in the Microsoft documentation:

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

For more information on how to work with Azure Redis Cache from a .Net program, please visit the below URL:

<https://docs.microsoft.com/en-us/azure/azure-cache-for-redis/cache-dotnet-how-to-use-azure-redis-cache>

- SetObject
- DeserializeClass

Q45)

A developer has been assigned a task to create code which would interact with an Azure Redis instance.

Objects of the following class need to be uploaded to the Azure Redis Cache database:

```
class MontanaCustomer
{
    public string Id { get; set; }
    public string Name { get; set; }

    public Employee(string pID, string pName)
    {
        this.Id = pID;
        this.Name = pName;
    }
}
```

You need to complete the below code snippet.

```
// Code to store the object in cache
```

```
MontanaCustomer obj = new MontanaCustomer ("1", "David");

cache. Slot1 ("ID1", JsonConvert. Slot2 (obj));
```

```
// Retrieve the object from the cache
```

```
MontanaCustomer objcache = JsonConvert. Slot3 <MontanaCustomer>(cache. Slot4 ("ID1"));
```

Which of the following would go into Slot4?

- StringSet
- ClassSet
- StringGet

Explanation:-We need to get an object from the cache, so we should use the StringGet method.

An example of this is also given in the Microsoft documentation

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

For more information on how to work with Azure Redis Cache from a .Net program, please visit the below URL:

<https://docs.microsoft.com/en-us/azure/azure-cache-for-redis/cache-dotnet-how-to-use-azure-redis-cache>

- ObjectGet

Q46) A team has to integrate various modules of an application with the Azure Event Grid service. They have to filter events which are sent to the various application endpoints. The requirements for the type of messages that need to be received by the different endpoints are given below:

Which of the following would you use as a filter option for messages that need to be sent to EndpointC?

- Subject begins with or ends with



Explanation:-Here since we need a more advanced scenario and check for the data field values, we have to choose the “Advanced fields and operators” filter option.

The Microsoft documentation mentions the following:

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

For more information on event filtering in Azure Event Grid, one can go to the below URL:

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

ResourceType

EventType

Q47) A development team have deployed an API management instance. An application sits behind the API management instance. The application accepts all data in JSON format. An external consultant currently connects to the API management instance. The data sent by the external consultant is in XML format.

You have to ensure the data gets converted to JSON by the API management instance.

You decide to implement an API management policy.

Would this fulfil the requirement?



Explanation:-You can use a policy to convert the data.

The Microsoft documentation mentions the following:

For more information on API management policies, one can go to the below URL:

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

Incorrect

Q48) A development team have deployed an API management instance. An application sits behind the API management instance. The application accepts all data in JSON format. An external consultant currently connects to the API management instance. The data sent by the external consultant is in XML format.

You have to ensure the data gets converted to JSON by the API management instance.

You decide to create an Azure Event Hub namespace.

Would this fulfil the requirement?



Explanation:-The Azure Event Hub could be used to log events from the Azure API Management instance.

For more information on logging to Azure Event Hubs, one can go to the below URL:

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

Correct

Q49) A development team have deployed an API management instance. An application sits behind the API management instance. The application accepts all data in JSON format. An external consultant currently connects to the API management instance. The data sent by the external consultant is in XML format.

You have to ensure the data gets converted to JSON by the API management instance.

You decide to implement RBAC.

Would this fulfil the requirement?



Explanation:-RBAC is used to provide Role Based Access Control in Azure API Management

Correct

Q50) A company is developing a system which is going to be using Azure Cosmos DB at the underlying data store.

Below are the requirements of the data store:

- Ensure at least 99.99% availability and provide network failures
- Accepts writes via the application even in the case of network outages or any unforeseen failures
- Process data in the same sequence as the writes being made
- Allow out of order data with a maximum of 5 second tolerance window

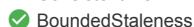
You have to provision a Cosmos DB account – SQL API. You already have a resource group in the South Central US region.

You have to complete the below Azure CLI commands for this purpose.

Which of the following would go into Slot1?

Eventual

ConsistentPrefix



Explanation:-Since you can have an out of order read for a maximum of 5 seconds, this becomes our staleness window.

The Microsoft documentation mentions the following on the Bounded Staleness consistency level.

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

For more information on consistency levels, please visit the below URL:

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

Strong

Q51) A company is developing a system which is going to be using Azure Cosmos DB at the underlying data store.

Below are the requirements of the data store:

- Ensure at least 99.99% availability and provide network failures
- Accepts writes via the application even in the case of network outages or any unforeseen failures
- Process data in the same sequence as the writes being made
- Allow out of order data with a maximum of 5 second tolerance window

You have to provision a Cosmos DB account – SQL API. You already have a resource group in the South Central US region.

You have to complete the below Azure CLI commands for this purpose.

Which of the following would go into Slot2?

- kind 'GlobalDocumentDB'
- enable-virtual-network true
- enable-automatic-failover true

Explanation:-Since we have to ensure that the data needs to be available even in the case of network outages or any unforeseen failures, we have to enable automatic failover.

The Microsoft documentation mentions the following:

For more information on the Cosmos DB create command, please visit the below URL:

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

- kind 'MongoDB'

Q52) A company is developing a system which is going to be using Azure Cosmos DB at the underlying data store.

Below are the requirements of the data store:

- Ensure at least 99.99% availability and provide network failures
- Accepts writes via the application even in the case of network outages or any unforeseen failures
- Process data in the same sequence as the writes being made
- Allow out of order data with a maximum of 5 second tolerance window

You have to provision a Cosmos DB account – SQL API. You already have a resource group in the South Central US region.

You have to complete the below Azure CLI commands for this purpose.

Which of the following would go into Slot3?

- locations 'southeastcentralus=0'
- locations 'eastus'
- locations 'southeastcentralus'
- locations 'southcentralus=0 eastus=1'

Explanation:-Since we need to have additional regions for failover purpose, we need to add multiple locations to the Cosmos DB account.

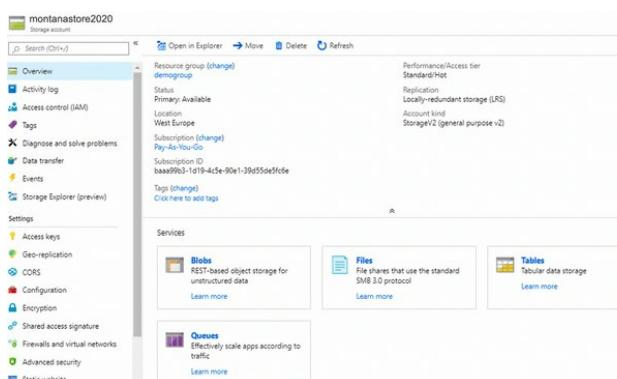
The other options are incorrect since they only have one location specified.

For more information on the Cosmos DB create command, please visit the below URL:

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

Q53)

You have to implement the azcopy tool to copy objects from a local folder named D:\montana to a container named "demo" within the below storage account:



You have to complete the below command to copy all of the objects in the local folder.

```
azcopy cp "Slot1" "Slot2" /?sv=2018-03-  
28&ss=bjqt&srt=sco&p=rwddgcup&se=2019-05-01T05:01:17Z&st=2019-04-  
30T21:01:17Z&spr=https&sig=MGCXiyEzbttkr3ewJlh2AR8Krhsy1DGM9ovN734bQF4%3D"  
Slot3
```

Which of the following would go into Slot1?

- D:\montana

Explanation:-Since we need to copy objects from the local folder, we have to mention the entire local folder path.

An example of this is given in the Microsoft documentation.

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

For more information on using the AzCopy tool, please visit the below URL:

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

- <https://montanastore2020.blob.core.windows.net/demo>
- <https://montanastore2020/demo>
- montana

Q54)

You have to implement the azcopy tool to copy objects from a local folder named D:\montana to a container named "demo" within the below storage account:



The screenshot shows the Azure Storage Explorer (preview) interface. On the left, there's a sidebar with 'Events', 'Storage Explorer (preview)', 'Settings' (with options like Access keys, Geo-replication, CORS, Configuration, Encryption, Shared access signature, Firewall and virtual networks, Advanced security, and Static website), and 'Tags (change) Click here to add tags'. The main area displays 'Services' with three cards: 'Blobs' (REST-based object storage for unstructured data), 'Files' (File shares that use the standard SMB 3.0 protocol), and 'Tables' (Tabular data storage). Below these are 'Queues' (Effectively scale apps according to traffic) and 'Learn more' links.

You have to complete the below command to copy all of the objects in the local folder.

```
azcopy cp " Slot1 "
" Slot2 "/?sv=2018-03-
28&ss=bjqt&srt=sco&sp=rwddgcup&se=2019-05-01T05:01:17Z&st=2019-04-
30T21:01:17Z&spr=https&sig=MGCXiyEzbttkr3ewJlh2AR8Krhsy1DGM9ovN734bQF4%3D"
Slot3
```

Which of the following would go into Slot2?

- https://montanastore2020/demo
- https://montanastore2020.blob.core.windows.net/demo

Explanation:-Here since we need to copy it to the container, we have to mention the full URI of the container.

An example of this is given in the Microsoft documentation.

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

For more information on using the AzCopy tool, please visit the below URL:

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

- D:\montana
- montana

Q55)

You have to implement the azcopy tool to copy objects from a local folder named D:\montana to a container named “demo” within the below storage account:

The screenshot shows the Azure Storage Explorer (preview) interface. On the left, there's a sidebar with 'Events', 'Storage Explorer (preview)', 'Settings' (with options like Access keys, Geo-replication, CORS, Configuration, Encryption, Shared access signature, Firewall and virtual networks, Advanced security, and Static website), and 'Tags (change) Click here to add tags'. The main area displays 'Services' with three cards: 'Blobs' (REST-based object storage for unstructured data), 'Files' (File shares that use the standard SMB 3.0 protocol), and 'Tables' (Tabular data storage). Below these are 'Queues' (Effectively scale apps according to traffic) and 'Learn more' links.

You have to complete the below command to copy all of the objects in the local folder.

```
azcopy cp " Slot1 "
" Slot2 "/?sv=2018-03-
28&ss=bjqt&srt=sco&sp=rwddgcup&se=2019-05-01T05:01:17Z&st=2019-04-
30T21:01:17Z&spr=https&sig=MGCXiyEzbttkr3ewJlh2AR8Krhsy1DGM9ovN734bQF4%3D"
Slot3
```

Which of the following would go into Slot3?

- tree=true
- recursive=true

Explanation:-Here the option for copying all the files recursively is --recursive=true.

An example of this is given in the Microsoft documentation.

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

For more information on using the AzCopy tool, please visit the below URL:

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

- copy-all
- copy-files=true

Q56) A company is developing a series of applications. Each of these applications would be interacting with separate Azure CosmosDB accounts. Each application has a different requirement when it comes to accessing the underlying data. You have to set the consistency level for the Azure CosmosDB accounts based on each application requirement. You have to choose the most cost-effective consistency level for each CosmosDB account.

Below are the requirements for each application when it comes to the consistency of the underlying data:

Which of the following would you choose as the consistency level for the CosmosDB account used by the application “montanaappA”?

Eventual

Explanation:-Since the requirement is that the users don't mind seeing out-of-order reads, one can use the Eventual consistency level as the most cost-effective consistency level for the CosmosDB account. The Microsoft documentation mentions the following.

- Consistent prefix
- Session
- Bounded Staleness
- Strong

Q57) A company is developing a series of applications. Each of these applications would be interacting with separate Azure CosmosDB accounts. Each application has a different requirement when it comes to accessing the underlying data. You have to set the consistency level for the Azure CosmosDB accounts based on each application requirement. You have to choose the most cost-effective consistency level for each CosmosDB account.

Below are the requirements for each application when it comes to the consistency of the underlying data:

Which of the following would you choose as the consistency level for the CosmosDB account used by the application "montanaappB"?

Consistent prefix

Explanation:-Since here the requirement is that the user must never see out-of-order writes, the most cost-effective option is to use the Consistent prefix consistency level. The Microsoft documentation mentions the following.

- Session
- Bounded Staleness
- Strong
- Eventual

Q58) A company is developing a series of applications. Each of these applications would be interacting with separate Azure CosmosDB accounts. Each application has a different requirement when it comes to accessing the underlying data. You have to set the consistency level for the Azure CosmosDB accounts based on each application requirement. You have to choose the most cost-effective consistency level for each CosmosDB account.

Below are the requirements for each application when it comes to the consistency of the underlying data:

Which of the following would you choose as the consistency level for the CosmosDB account used by the application "montanaappC"?

Strong

Explanation:-Since here we need to ensure that the user always sees the latest committed version, we have to choose the Strong consistency level. The Microsoft documentation mentions the following:

- Bounded Staleness
- Session
- Consistent prefix
- Eventual

Q59) A company is developing a series of applications. Each of these applications would be interacting with separate Azure CosmosDB accounts. Each application has a different requirement when it comes to accessing the underlying data. You have to set the consistency level for the Azure CosmosDB accounts based on each application requirement. You have to choose the most cost-effective consistency level for each CosmosDB account.

Below are the requirements for each application when it comes to the consistency of the underlying data:

Which of the following would you choose as the consistency level for the CosmosDB account used by the application "montanaappD"?

Bounded Staleness

Explanation:-Here since we have a staleness of data by a set version count, we can use the Bounded staleness consistency level. The Microsoft documentation mentions the following:

- Strong
- Session
- Consistent prefix
- Eventual

Q60) A company has a web application deployed to Azure. The web application is currently being hosted as part of the Azure Web App service. There is a requirement to stream the logs from the web app and filter out on any errors.

You have to complete the below Azure CLI command for this requirement.

Which of the following would go into Slot1?

- tail
- log

Explanation:-Since we need to stream the log files, the next option to include is the "tail" option.

An example of this is also given in the Microsoft documentation.

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

For more information on working with diagnostics logs, one can go to the below URL:

<https://docs.microsoft.com/en-us/azure/app-service/troubleshoot-diagnostic-logs>

- file
- stream

Q61) A company has a web application deployed to Azure. The web application is currently being hosted as part of the Azure Web App service. There is a requirement to stream the logs from the web app and filter out on any errors.

You have to complete the below Azure CLI command for this requirement.

Which of the following would go into Slot2?

- stream

- log
- file
- tail

Explanation:-Since we need to stream the log files , the next option to include is the “tail” option.

An example of this is also given in the Microsoft documentation.

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

For more information on working with diagnostics logs, one can go to the below URL:

<https://docs.microsoft.com/en-us/azure/app-service/troubleshoot-diagnostic-logs>

Q62) A company has a web application deployed to Azure. The web application is currently being hosted as part of the Azure Web App service. There is a requirement to stream the logs from the web app and filter out on any errors.

You have to complete the below Azure CLI command for this requirement .

Which of the following would go into Slot3?

- key
- filter

Explanation:-Since we have the filter out on the errors, we can use the filter option for the command.

An example of this is also given in the Microsoft documentation.

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

For more information on working with diagnostics logs, one can go to the below URL:

<https://docs.microsoft.com/en-us/azure/app-service/troubleshoot-diagnostic-logs>

- path
- type

Q63) A team has to integrate various modules of an application with the Azure Event Grid service. They have to filter events which are sent to the various application endpoints. The requirements for the type of messages that need to be received by the different endpoints are given below:

Which of the following would you use as a filter option for messages that need to be sent to EndpointA?

- Advanced fields and operators
- ResourceType
- EventTypes

Explanation:-Since here we just need to filter on the event types itself, we can use the “EventTypes” filter.

The Microsoft documentation mentions the following.

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

For more information on event filtering in Azure Event Grid, one can go to the below URL:

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

- Subject begins with or ends with

Q64) A team has to integrate various modules of an application with the Azure Event Grid service. They have to filter events which are sent to the various application endpoints. The requirements for the type of messages that need to be received by the different endpoints are given below:

Which of the following would you use as a filter option for messages that need to be sent to EndpointB?

- ResourceType
- Advanced fields and operators
- Subject begins with or ends with

Explanation:-Since here we need to check on the messages sent to a container, so we have to check the subject of the message.

The Microsoft documentation mentions the following.

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

For more information on event filtering in Azure Event Grid, one can go to the below URL:

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

- EventTypes

Q65) Your company has an Azure Kubernetes cluster in place named “XYZcluster”. The company wants to create a new Azure AD Group and provide RBAC access for the group to the cluster.

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

Which of the following would go into Slot 1?

- az aks show

Explanation:-First, we have to get the details of the existing Kubernetes cluster.

An example of this is given in the Microsoft documentation

- az role assignment update
- az role assignment create
- az ad group create

Q66) Your company has an Azure Kubernetes cluster in place named “XYZcluster”. The company wants to create a new Azure AD Group and provide RBAC access for the group to the cluster.

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

Which of the following would go into Slot 2?

- az ad group create

Explanation:-Next, we have to create the Azure AD group

An example of this is given in the Microsoft documentation

- az role assignment create
- az role assignment update
- az aks show

Q67) Your company has an Azure Kubernetes cluster in place named "XYZcluster". The company wants to create a new Azure AD Group and provide RBAC access for the group to the cluster.
You have to complete the below Azure CLI script to fulfill this requirement
Which of the following would go into Slot 3?

- az role assignment update
- az role assignment create

Explanation:-Finally, we need to assign the RBAC access to the cluster

An example of this is given in the Microsoft documentation

- az ad group create
- az aks show

Q68) You have to deploy an application to an Azure Kubernetes cluster. The application must only be available from within an Azure virtual network that uses the cluster. You have to complete the YAML deployment file for the application
Which of the following should go into Slot 1?

- LoadBalancer
- Service

Explanation:-Here we need to define a service for the application.

An example is also given in the Microsoft documentation

- Ingress
- Deployment

Q69) You have to deploy an application to an Azure Kubernetes cluster. The application must only be available from within an Azure virtual network that uses the cluster. You have to complete the YAML deployment file for the application
Which of the following should go into Slot 2?

- Service
- LoadBalancer

Explanation:-Here we need to define an annotation of the type azure-load-balancer-internal

An example is also given in the Microsoft documentation

- Ingress
- Deployment

Q70) You have to deploy an application to an Azure Kubernetes cluster. The application must only be available from within an Azure virtual network that uses the cluster. You have to complete the YAML deployment file for the application
Which of the following should go into Slot 3?

- Deployment
- LoadBalancer

Explanation:-Here we need to define a service for the application.

An example is also given in the Microsoft documentation

Here the type of service that needs to be mentioned is the LoadBalancer

- Service
- Ingress

Q71)

You have developed and deployed a REST API based application to the Azure App Service. When you navigate to the URL, you are getting the error Failed to load http://XYZapi.azurewebsites.net:6000/#/api/Products: No 'Access-Control-Allow-Origin' header is present on the request resource.

Which of the following needs to be implemented to resolve this issue?

- Enable CORS

Explanation:-For this we need to enable CORS

This is also given as an example in the Microsoft documentation

- Use an SSL certificate
- Enable Azure AD Authentication
- Use a custom domain

Q72) You need to deploy a software as a service application that will run as a web service. The web service needs to be deployed using the Azure web app service. The web service will also use WebJobs to process data. There are three customers who will use the web service. Below are the key requirements for the deployment

- Each deployment of the web app needs to be tested using deployment slots prior to deploying to production.
- Each instance of the WebJob that processes data for a single customer must run as a singleton instance.
- Azure costs need to be minimized
- The Azure based resources must be located in an isolated network

Which of the following would you use as the underlying pricing tier for this solution?

- Standard
- Isolated

Explanation:-Since there is a requirement for resources to be located in an isolated network, we need to use the Isolated pricing tier.

The Microsoft documentation mentions the following

- Premium
- Consumption

Q73) You need to deploy a software as a service application that will run as a web service. The web service needs to be

deployed using the Azure web app service. The web service will also use WebJobs to process data. There are three customers who will use the web service. Below are the key requirements for the deployment

- Each deployment of the web app needs to be tested using deployment slots prior to deploying to production.
- Each instance of the WebJob that processes data for a single customer must run as a singleton instance.
- Azure costs need to be minimized

The Azure based resources must be located in an isolated network

Which of the following should you set as the number of Virtual Machine instances?

- 6
- 3

Explanation:-Since we have three customers for which the WebJobs need to run in isolation, we can set one virtual machine instance for each customer.

- 2
- 8

Q74)

You need to configure a development environment that would be used across teams in your organization. The deployment would use the latest version of Visual Studio image from the Azure Marketplace. You then have to ensure several software developments kits and third-party components are installed on the virtual machine. The customized virtual machine should then be saved to allow it to be provisioned for teams in the future.

Which of the following would you use for generalizing the virtual machine?

- Visual Studio command prompt
- Azure PowerShell

Explanation:-You can crate the image configuration by using Azure PowerShell

This is also given in the Microsoft documentation

- Azure Migrate
- Azure Backup

Q75)

You need to configure a development environment that would be used across teams in your organization. The deployment would use the latest version of Visual Studio image from the Azure Marketplace. You then have to ensure several software developments kits and third-party components are installed on the virtual machine. The customized virtual machine should then be saved to allow it to be provisioned for teams in the future.

Which of the following can you use to save the images?

- Azure Data Lake Storage
- Azure Blob storage

Explanation:-The disks for virtual machines are stored in Blob storage. The other services are not used for storing hard disks for virtual machines.

- Azure File Storage
- Azure Table Storage

Q76) You have to deploy a microservice based application to Azure. The application needs to be deployed to an Azure Kubernetes cluster. The solution has the following requirements

- Reverse proxy capabilities
- Ability to configure traffic routing
- Termination of TLS with a custom certificate

Which of the following would you use to deploy the solution to the cluster?

- Kubectl
- Brigade
- Helm

Explanation:-You can use Helm to deploy solutions to the cluster

The Microsoft documentation mentions the following

- Ingress Controller

Explanation:-You would use an ingress controller together with traefik, nginx or another reverse proxy to do this.

Q77) You have to deploy a microservice based application to Azure. The application needs to be deployed to an Azure Kubernetes cluster. The solution has the following requirements

- Reverse proxy capabilities
- Ability to configure traffic routing
- Termination of TLS with a custom certificate

Which of the following would you use to view the cluster details and the external IP addresses?

- Ingress Controller
- Brigade
- Helm
- Kubectl

Explanation:-You can use kubectl to get the details of the cluster

An example is given in the Microsoft documentation

Q78) You have to deploy a microservice based application to Azure. The application needs to be deployed to an Azure Kubernetes cluster. The solution has the following requirements

- Reverse proxy capabilities
- Ability to configure traffic routing
- Termination of TLS with a custom certificate

Which of the following would you use to implement a single public IP endpoint to route traffic to multiple microservices?

- Brigade
- Kubectl
- Ingress Controller

Explanation:-You can use the Ingress controller to route traffic at the application layer

The Microsoft documentation mentions the following

- Helm

Q79) You have to develop and deploy a solution to Azure. The solution would consist of devices sending data from different locations across the world. There are currently around 10,000 devices with each device sending around 2 MB of data every 24 hours. The data needs to be stored in Azure Blob storage. The data must be correlated based on the device identifier.

You need to implement a solution to receive the device data

You decide to implement an Azure Notification Hub and register all devices with the hub

Would this meet the requirement?

- Correct
- Incorrect

Explanation:-The Notification Hub is used for sending notifications to devices

Q80) You have to develop and deploy a solution to Azure. The solution would consist of devices sending data from different locations across the world. There are currently around 10,000 devices with each device sending around 2 MB of data every 24 hours. The data needs to be stored in Azure Blob storage. The data must be correlated based on the device identifier.

You need to implement a solution to receive the device data

You decide to implement Azure Event Grid and configure event filtering with the device identifier.

Would this meet the requirement?

- Correct
- Incorrect

Explanation:-Azure Event Grids are used for building applications which need to work with events specifically.

Q81) You have to develop and deploy a solution to Azure. The solution would consist of devices sending data from different locations across the world. There are currently around 10,000 devices with each device sending around 2 MB of data every 24 hours. The data needs to be stored in Azure Blob storage. The data must be correlated based on the device identifier.

You need to implement a solution to receive the device data

You decide to implement an Azure Event Hub and configure the device identifier as the partition key.

Would this meet the requirement?

- Correct

Explanation:-Azure Event Hubs is an ingestion service. You can also use the data capture system to send data to an Azure storage account

The Microsoft documentation mentions the following

- Incorrect

Q82)

You are developing an ASP.Net Core application. This application would need to be deployed to the Azure Web App service from a GitHub repository. The web application contains static content that is generated by a script. You are planning on using the Azure Web App continuous deployment feature. The script which is used to generate static content needs to run first before the web site can start serving traffic.

Which of the following are options that can be used for this fulfilling this requirement?

- Ensure to add a PreBuild target in the websites csproj project file
- Customize the deployment by creating a run.cmd file at the root of the repository. Ensure the command file calls the script which generates the static content
- Customize the deployment by creating a .deployment file at the root of the repository. Ensure the deployment file calls the script which generates the static content.

Explanation:-The github documentation for kudu-based deployments mentions the following

- Ensure to run the app via the Basic App Service Plan

Q83)

You are planning on using the Azure container registry service. You want to ensure that your application or service can use it for headless authentication. You also want to allow role-based access to the registry. You decide to use the Admin account associated with the container registry

Would this fulfil the requirement?

- Incorrect

Explanation:-This is only used for single user access to the registry

The Microsoft documentation mentions the following

- Correct

Q84)

You are planning on using the Azure container registry service. You want to ensure that your application or service can use it for headless authentication. You also want to allow role-based access to the registry. You decide to assign a service principal to the registry

Would this fulfil the requirement?



Explanation:-This is the ideal approach.
The Microsoft documentation mentions the following
 Incorrect

Q85)

You are planning on using the Azure container registry service. You want to ensure that your application or service can use it for headless authentication. You also want to allow role-based access to the registry. You decide to perform an individual login to the registry

Would this fulfil the requirement?



Explanation:-This will not allow you to assign role-based access control or even allow for headless authentication
The Microsoft documentation mentions the following
 Correct

Q86) You are developing an application that is going to making use of the Azure Service Bus. You have to create filters based on the different types of subscribers that would subscribe to the topic. The broad classification of these subscribers are

- Subscribers should be able to receive all messages being sent to the topic
- Subscribers should NOT be able to receive all messages being sent to the topic
- Subscribers should be able to receive messages based on a SQL-like conditional expression

Which of the following would you use as the filter condition for the requirement?

“Subscribers should be able to receive all messages being sent to the topic”

- Primary filters
 Boolean filters

Explanation:-Here we have to make use of Boolean filters which could either accept or reject all messages

- SQL filters
 Correlation filters
-

Q87) You are developing an application that is going to making use of the Azure Service Bus. You have to create filters based on the different types of subscribers that would subscribe to the topic. The broad classification of these subscribers are

- Subscribers should be able to receive all messages being sent to the topic
- Subscribers should NOT be able to receive all messages being sent to the topic
- Subscribers should be able to receive messages based on a SQL-like conditional expression

Which of the following would you use as the filter condition for the requirement?

“Subscribers should be able to receive messages based on a SQL-like conditional expression”

- Correlation filters
 SQL filters

Explanation:-We can use the SQL Filters to base the conditional on SQL like expressions.

- Primary filters
 Boolean filters
-

Q88) You have to create an Azure Cosmos DB account that would need to use the Table API. Cost needs to be optimized for the Cosmos DB account. The application can afford to read out of order writes. You have to complete the below CLI command for the creation of the account and the table

Which of the following would go into Slot 1?

- capabilities
 table create
 create

Explanation:-First, we have to use the 'az cosmosdb create' command to go ahead and create a Cosmos DB account.

An example of this is also given in the Microsoft documentation

- group create
-

Q89) A software company is developing a software solution. The software solution is for a food delivery-based company. The software needs to adhere to the following workflow:

- A driver selects the restaurants for which they will deliver orders.
- Orders are sent to all available drivers in an area.
- Only orders for the selected restaurants will appear for the driver.
- The first driver to accept an order removes it from the list of available orders.

The application needs to make use of the Azure Service Bus service.

Which of the following actions would you implement for this requirement? (Choose 3.)

- Create a Service Bus Namespace for each restaurant for which a driver can receive messages.
 Create a single Service Bus Namespace
 Create a single Service Bus topic
 Create a single Service Bus subscription
 Create a Service Bus topic for each restaurant for which a driver can receive messages.
 Create a Service Bus Subscription for each restaurant for which a driver can receive messages.
-

Q90) A company has an application that provides product data to external consultants.

Azure API Management is used to publish API's to the consultants.

The API needs to meet the following requirements:

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

**Which type of policy would you use for the following requirement?
"Rewrite the request URL to match to the format expected by the web service"**

- Outbound
- Inbound

Explanation:-An example of this is given in the Microsoft documentation.

Since this is clearly mentioned, all other options are incorrect.

For more information on API management transformation URL's, one can go to the below link:

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

- Backend
 - Error
-