

Q1) 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?

Incorrect

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

For more information on Azure Event Grids, please visit the following URL:

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

Correct

Q2) 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 answers from the options given below

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

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

Explanation:-You should first create a Service Bus Namespace. Option E is incorrect since creating a namespace for each restaurant would just be a maintenance overhead and difficult to keep track via a program.

Here since the driver needs to choose the restaurant, that means the driver can be a subscriber.

Here you should have just one Topic. If you have multiple topics, then an order needs to be sent to all topics. Then deleting an order once it has been picked by a driver will be an issue. So, Option A gets ruled out.

You can create subscriptions and create rules based on driver and area.

Create a single Service Bus Namespace

Explanation:-You should first create a Service Bus Namespace. Option E is incorrect since creating a namespace for each restaurant would just be a maintenance overhead and difficult to keep track via a program.

Here since the driver needs to choose the restaurant, that means the driver can be a subscriber.

Here you should have just one Topic. If you have multiple topics, then an order needs to be sent to all topics. Then deleting an order once it has been picked by a driver will be an issue. So, Option A gets ruled out.

You can create subscriptions and create rules based on driver and area.

Create a single Service Bus subscription

Create a single Service Bus topic

Explanation:-You should first create a Service Bus Namespace. Option E is incorrect since creating a namespace for each restaurant would just be a maintenance overhead and difficult to keep track via a program.

Here since the driver needs to choose the restaurant, that means the driver can be a subscriber.

Here you should have just one Topic. If you have multiple topics, then an order needs to be sent to all topics. Then deleting an order once it has been picked by a driver will be an issue. So, Option A gets ruled out.

You can create subscriptions and create rules based on driver and area.

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

Q3) 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 the format expected by the web service"

Error

Backend

Outbound

Inbound

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

Q4) .NET application logs can only be written to which of the following?

Azure Storage account

The App Service file system

External storage

Blob storage

Explanation:-Currently only .NET application logs can be written to Blob storage. Java, PHP, Node.js, and Python application logs can only be stored on the App Service file system (without code modifications to write logs to external storage).

Azure SQL

Q5) What are three required elements for a valid ARM template?

\$schema, parameters, outputs

\$schema, contentVersion, resources

Explanation:-In its simplest structure, an ARM template contains the following elements:

```
{  
  "$schema": "https://schema.management.azure.com/schemas/2019-04-01/deploymentTemplate.json#",  
  "contentVersion": "",  
  "apiProfile": "",  
  "parameters": {},  
  "variables": {},  
  "functions": [],  
  "resources": [],  
  "outputs": {}  
}
```

Only the \$schema, contentVersion, and resources elements are required, and the rest are optional. Review the comparison shown here for further details:

- Parameters, variables, functions
- Description, mappings, outputs

Q6) A team is deploying a new app to Azure App Service. Which of the following is NOT a viable deployment source for the app?

- GitHub Repository
- Google Drive folder

Explanation:-A deployment source is the location of application code. Azure Web Apps currently supports the following deployment sources:

- Azure repos
- GitHub
- BitBucket
- OneDrive
- Dropbox
- Project on local machine
- Dropbox folder
- BitBucket Repository

Q7)

In addition to Docker images, Azure Container Registry supports content artifacts.

Which of the following are valid elements of an artifact address?

- Name
- LoginUrl

Explanation:-The address of an artifact in an Azure container registry includes the following elements:

[loginUrl]/[namespace]/[artifact]:[tag]

where

- loginUrl: The fully qualified name of the registry host. The registry host in an Azure container registry is in the format myregistry.azurecr.io (all lowercase). You must specify the loginUrl when using Docker or other client tools to pull or push artifacts to an Azure container registry.
- namespace: Slash-delimited logical grouping of related images or artifacts (for example, for a workgroup or an app).
- artifact: The name of a repository for a particular image or artifact.
- tag: A specific version of an image or artifact stored in a repository.

The full name of an image in an Azure container registry might look like this:

myregistry.azurecr.io/marketing/campaign10-18/email-sender:v2

- ImageUrl
- tag

Q8)

You need to scale out an individual App Service app independently of the App Service plan.

How do you do this?

- Azure App Service does not support this scenario.

Explanation:-You would enable per-app scaling at the app service level. Per-app scaling allows for scaling an app independently from the App Service plan that hosts it. This way, for example, an App Service plan can be scaled to 10 instances, but an app can be set to use only 5.

- Run only one app in Azure App Service.
- Upgrade your App Service plan.

Explanation:-You would enable per-app scaling at the app service level. Per-app scaling allows for scaling an app independently from the App Service plan that hosts it. This way, for example, an App Service plan can be scaled to 10 instances, but an app can be set to use only 5.

- Enable per-app scaling at the App Service plan level.

Q9) Which of the following are valid App Service metrics?

- CPU Percentage

Explanation:-CPU Percentage and Memory Percentage are both App Service plan metrics. The following metrics are available:

Note that App Service metrics are only available for Basic, Standard, and Premium tiers. They are not supported in Free or Shared plans.

- Memory Percentage

Explanation:-CPU Percentage and Memory Percentage are both App Service plan metrics. The following metrics are available:

Note that App Service metrics are only available for Basic, Standard, and Premium tiers. They are not supported in Free or Shared plans.

- Http 4xx
- Data Throughput

Q10) What is the maximum size for a deployable container image?

- 32 GB
 - 10 GB
 - 18 GB
 - 15 GB
-

Q11)

You are a developer working for XYZ Corp. You need to configure CI/CD for your ASP.NET Core web application.

What file(s) should be in the root of your repository?

- *.sln, *.csproj, or default.aspx
- *.sln or *.csproj

Explanation:-To configure automatic builds from the Azure Kudu App Service build server for your ASP.NET application, you need either the *.sln or *.csproj file at the root of your repository.

- default.htm, default.html, default.asp, index.htm, index.html, or iisstart.htm
 - *.py, requirements.txt, or runtime.txt
-

Q12) What is the upper size limit of a Cosmos DB logical partition?

- 5 GB
- Unlimited
- 20 GB

Explanation:-Azure Cosmos DB has increased the size of logical partitions for customers to 20 GB, doubling the size from 10 GB. This increased size provides customers more flexibility in choosing partition keys for their data.

- 10 GB
-

Q13) What is the default return value for an HTTP-triggered function in Azure Functions runtime 2.x and higher?

- HTTP 200 Received
- HTTP 200
- HTTP 200 No Content

Explanation:-The default return value for an HTTP-triggered function is HTTP 204 No Content with an empty body in Azure Functions runtime 2.x and higher.

- HTTP 200 OK
-

Q14)

Your Azure web app is using an Azure SQL database. You apply scaling rules to the web app.

Will these scaling rules also apply to the Azure SQL database?

- Yes. All resources associated with the web app will scale.
- None of these are correct.
- No. The Azure SQL database does not scale.
- No. You will need to configure scaling separately for the Azure SQL database.

Explanation:-If your app depends on other services, such as Azure SQL Database or Azure Storage, you have to scale up these resources separately. These resources aren't managed by the App Service plan.

Q15) Correct or Incorrect: When creating resources using ARM templates, those resources can be tagged.

- Correct

Explanation:-You can add tags to ARM templates. Resource tagging allows you to add values that help you identify the use of a resource. For example, you can add tags that list the environment and the project. refer - <https://docs.microsoft.com/en-us/azure/azure-resource-manager/templates/template-tutorial-add-tags?tabs=azure-powershell>

- Incorrect
-

Q16) Which PowerShell command deletes an Azure Queue Storage account and all the messages it contains?

- Remove-AzStorageQueue

Explanation:-To delete a queue and all the messages it contains, call the Remove-AzStorageQueue cmdlet. The following example shows how to delete the specific queue used in this exercise by using the Remove-AzStorageQueue cmdlet:

- Delete-AzStorage
 - Delete-AzStorageQueue
 - Remove-AzQueue
-

Q17) Correct or Incorrect: Your requirements for a queueing solution require a maximum queue size of 30 GB, and Storage queues support this requirement.

- Correct
- Incorrect

Explanation:-Storage queues support a maximum queue size of 500 TB. The following table outlines other capacity and quota differences between Storage queues and Service Bus queues.

Q18)

A developer is creating a solution for a company that will monitor tweets for a new product and then email the marketing team based on the sentiment, as shown in the following diagram.

Which Azure product would be the best solution for this?

- Azure Logic App

Explanation:-Azure Logic Apps provides triggers and actions to implement a workflow. The following illustration shows the triggers and actions used in the diagram above.

- Azure Functions
- Azure Event Grid
- ARM Template

Q19) A developer is configuring security for an Azure notification hub. What rules are automatically created when the notification hub is created?

- All

Explanation:-When creating a hub, two rules are automatically created: one with listen rights (that the client app uses) and one with all rights (that the app back end uses).

- Send
- Listen

Explanation:-When creating a hub, two rules are automatically created: one with listen rights (that the client app uses) and one with all rights (that the app back end uses).

- Manage

Q20) A developer is registering a device with Azure Notification Hubs and does not set the expiration. By default, when will the registration expire?

- It will expire in 180 days.
- It will expire in 365 days.
- It will not expire.

Explanation:-Device registration with Notification Hubs is accomplished using a registration or an installation. By default, registrations and installations do not expire.

- It will expire in 90 days.

Q21) A developer is reviewing Azure API Management policies. Which best describes the API policy is the following example?

- Validate JWT
- Set Usage Quota by Subscription
- Check HTTP Header
- Restrict Caller IPs

Explanation:-

The Restrict Caller IPs policy uses ip-filter to filter (allow/deny) calls from specific IP addresses or ranges. The following is an example of the policy statement, and the table lists the specific elements and attributes:

```
<ip-filter action="allow | forbid">
    <address>address</address>
    <address-range from="address" to="address" />
</ip-filter>
```

Elements

Name	Description	Required
ip-filter	Root element.	Yes
address	Specifies a single IP address on which to filter.	At least one address or address-range element is required.
address-range from="address" to="address"	Specifies a range of IP address on which to filter.	At least one address or address-range element is required.

Attributes

Name	Description	Required	Default
address-range from="address" to="address"	A range of IP addresses to allow or deny access for.	Required when the address-range element is used.	N/A
ip-filter action="allow forbid"	Specifies whether calls should be allowed or not for the specified IP addresses and ranges.	Yes	N/A

Q22) Which two pricing tiers of Azure API Management (APIM) offer support for virtual networks?

- Standard
- Premium

Explanation:-There are five pricing tiers of Azure API Management (APIM). The following table shows the features available in these tiers:

- Consumption



Explanation:-There are five pricing tiers of Azure API Management (APIM). The following table shows the features available in these tiers:

Q23) A developer needs to dequeue messages in an Azure Storage queue. Based on the following method, what is called to dequeue the message from the queue?



Explanation:-In the example above, the method receives a message from the queue by calling GetMessageAsync. Once the message is successfully received, it's important to delete it from the queue so it isn't processed more than once. After the message is received, it is deleted from the queue with a call to DeleteMessageAsync.

- ExistsAsync
- retrievedMessage
- GetMessageAsync

Q24) To determine whether an Azure Event Grid message was delivered successfully, for which of the following HTTP codes should a developer look?

- 205 No Content
- 203 Non-Authoritative Information

Explanation:-Event Grid uses HTTP codes to acknowledge receipt of events. Event Grid considers only the following HTTP response codes to indicate successful deliveries:

- 200 OK
- 201 Created
- 202 Accepted
- 203 Non-Authoritative Information
- 204 No Content

Messages with all other status codes are considered failed deliveries and are retried or dead lettered, as appropriate. Upon receiving a successful status code, Event Grid considers delivery complete.

- 207 Multi-Status
- 200 OK

Explanation:-Event Grid uses HTTP codes to acknowledge receipt of events. Event Grid considers only the following HTTP response codes to indicate successful deliveries:

- 200 OK
- 201 Created
- 202 Accepted
- 203 Non-Authoritative Information
- 204 No Content

Messages with all other status codes are considered failed deliveries and are retried or dead lettered, as appropriate. Upon receiving a successful status code, Event Grid considers delivery complete.

Q25) Which protocol is not used with Azure Service Bus to send and receive messages?



Explanation:-You can use the following protocols with Azure Service Bus to send and receive messages:

- Advanced Message Queuing Protocol (AMQP)
- Service Bus Messaging Protocol (SBMP)
- Hypertext Transfer Protocol (HTTP)
- SBMP
- AMQP
- HTTP

Q26) What is the message size limit for the Standard tier of Service Bus?

- 1 GB
- 64 KB
- 1 MB
- 256 KB

Explanation:-The maximum message size for the standard tier is 256 KB; the maximum for the Premium tier is 1 MB.

Q27) Which of the following is an Event Grid built-in role for managing event subscriptions?

- EventGrid EventSubscription Viewer
- EventGrid EventSubscription Operator
- EventGrid EventSubscription Owner
- EventGrid EventSubscription Contributor

Explanation:-Event Grid provides two built-in roles for managing event subscriptions. They're important when implementing event domains because they give users the permissions they need to subscribe to topics in your event domain. These roles are focused on event subscriptions and don't grant access for actions such as creating topics:

- EventGrid EventSubscription Contributor
- EventGrid EventSubscription Reader

Q28) A developer wants to edit an existing Azure logic app that is currently running in production. To minimize disruption, what should the developer do first?

- Existing logic apps cannot be edited.
- Disable the logic app.

Explanation:-Before editing an actively running logic app in production, avoid the risk of breaking that logic app and minimize disruption by disabling the logic app first.

- Nothing. Making changes to a running logic app does not impact functionality.
- Pause the logic app.

Q29) Correct or Incorrect: An Azure Resource Manager (ARM) template can support definitions for only one Azure logic app.

- Correct
- Incorrect

Q30)

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 XYZcustomer
{
    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
XYZcustomer obj = new XYZcustomer("1", "David");

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

// Retrieve the object from the cache
XYZcustomer objcache = JsonConvert. Slot3 <XYZcustomer>(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

- SetObject
- DeserializeClass

Q31)

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 XYZcustomer
{
    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
XYZcustomer obj = new XYZcustomer("1", "David");

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

// Retrieve the object from the cache
XYZcustomer objcache = JsonConvert. Slot3 <XYZcustomer>(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

- ObjectGet
-

Q32) 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
- BoundedStaleness

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.

- Strong
-

Q33) 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

- kind 'MongoDB'
-

Q34) 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 'southeastasia=0'
- locations 'southeastasia=0 eastasia=1'

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

- locations 'eastasia'
 - locations 'southeastasia'
-

Q35)

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

The screenshot shows the Azure Storage Account overview for 'XYZStore2020'. The main details pane includes:

- Resource group: demogroup
- Status: Primary: Available
- Location: West Europe
- Subscription ID: baaa99b3-1d19-4c5e-90e1-39d55de5fc6e
- Tags: Click here to add tags

The sidebar contains links for Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Data transfer, Events, and Storage Explorer (preview). The bottom section lists Services: Blobs, Files, and Tables.

Queues
Effectively scale apps according to traffic
[Learn more](#)

```
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=MGCXiyEzbttkr3ewJlh2AR8KrghSy1DGM9ovN734bQF4%3D"
Slot3
```

You have to complete the below command to copy all of the objects in the local folder
Which of the following would go into Slot1?



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

- <https://XYZtore2020.blob.core.windows.net/demo>
- <https://XYZtore2020/demo>
- XYZ

Q36)

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

Blobs
REST-based object storage for unstructured data
[Learn more](#)

Files
File shares that use the standard SMB 3.0 protocol
[Learn more](#)

Tables
Tabular data storage
[Learn more](#)

```
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=MGCXiyEzbttkr3ewJlh2AR8KrghSy1DGM9ovN734bQF4%3D"
Slot3
```

You have to complete the below command to copy all of the objects in the local folder
Which of the following would go into Slot2?

- <https://XYZtore2020/demo>
- <https://XYZtore2020.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

- D:\XYZ
- XYZ

Q37)

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

XYZStore2020
Storage account

Search (Ctrl+ /) Open in Explorer Move Delete Refresh

Overview

- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Data transfer
- Events
- Storage Explorer (preview)

Settings

- Access keys
- Geo-replication
- CORS
- Configuration
- Encryption
- Shared access signature
- Firewalls and virtual networks
- Advanced security
- Static website

Resource group (change)
demogroup

Status
Primary: Available

Location
West Europe

Subscription (change)
Pay-As-You-Go

Subscription ID
baaa99b3-1d19-4c5e-90e1-39d55de5fc6e

Tags (change)
Click here to add tags

Services

Blobs
REST-based object storage for unstructured data

[Learn more](#)

Files
File shares that use the standard SMB 3.0 protocol

[Learn more](#)

Tables
Tabular data storage

[Learn more](#)

Queues
Effectively scale apps according to traffic

[Learn more](#)

```
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
```

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

--copy-all
 --copy-files=TRUE

Q38) 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 "XYZappA"?

Bounded Staleness
 Session
 Consistent prefix
 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

Strong

Q39) 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 "XYZappB"?

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

Bounded Staleness
 Strong
 Session
 Eventual

Q40) 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 "XYZappC"?

- Consistent prefix
- Session
- Bounded Staleness
- 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

- Eventual

Q41) 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 "XYZappD"?

- Consistent prefix
- Session
- 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
- Eventual

Q42) 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 get the log files for the Azure Web app, we have to use the "log" option in the command.

An example of this is also given in the Microsoft documentation

- file
- stream

Q43) 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

Q44)

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

- path
- type

Q45) 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?

- 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

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

Q46)

A team is developing an application to use OAuth 2.0. When registering the application in the Azure portal, the team needs to specify who can use the application.

Which of the following is NOT a supported account type?

- Accounts in any organizational directory and personal Microsoft accounts
- Accounts in this organizational directory only
- Accounts in any organizational directory
- ✓ Accounts in only personal Microsoft accounts

Explanation:-The following table describes the supported account types:

Q47)

A developer is using Azure Key Vault to store and retrieve secrets at runtime. Azure Key Vault is returning HTTP status code 429 (Too many requests).

What is the best way for the developer to resolve this?

- Scale Azure Key Vault.
- Tell the client to reduce app usage.
- ✓ Throttle Azure Key Vault.

Explanation:-Throttling is a process you initiate that limits the number of concurrent calls to the Azure service to prevent overuse of resources. Azure Key Vault is designed to handle a high volume of requests. If an overwhelming number of requests occurs, throttling of client requests helps maintain optimal performance and reliability of the Key Vault service.

- Store secrets in the application's configuration file.
-

Q48) What two forms can an Azure Storage shared access signature take?

- Account-Level SAS
- ✓ Service SAS with stored access policy

Explanation:-An Azure Storage shared access signature can take two forms:

- Ad hoc SAS: When you create an ad hoc SAS, the start time, expiration time, and permissions for the SAS are all specified in the SAS URI (or implied, if the start time is omitted). Any type of SAS can be an ad hoc SAS.
- Service SAS with stored access policy: A stored access policy is defined on a resource container, which can be a Blob container, table, queue, or file share. The stored access policy can be used to manage constraints for one or more service shared access signatures. When you associate a service SAS with a stored access policy, the SAS inherits the constraints—the start time, expiration time, and permissions—defined for the stored access policy.

- ✓ Ad hoc SAS

Explanation:-An Azure Storage shared access signature can take two forms:

- Ad hoc SAS: When you create an ad hoc SAS, the start time, expiration time, and permissions for the SAS are all specified in the SAS URI (or implied, if the start time is omitted). Any type of SAS can be an ad hoc SAS.
- Service SAS with stored access policy: A stored access policy is defined on a resource container, which can be a Blob container, table, queue, or file share. The stored access policy can be used to manage constraints for one or more service shared access signatures. When you associate a service SAS with a stored access policy, the SAS inherits the constraints—the start time, expiration time, and permissions—defined for the stored access policy.

- User-delegation SAS
-

Q49) A team needs to create an identity for a standalone Azure resource. Which managed identity should the team select?

- Cloud-assigned managed identity
- Privileged-assigned managed identity
- System-assigned managed identity
- ✓ User-assigned managed identity

Explanation:-A user-assigned managed identity is created as a standalone Azure resource. Through a creation process, Azure creates an identity in the Azure AD tenant that's trusted by the subscription in use. After the identity is created, the identity can be assigned to one or more Azure service instances. The life cycle of a user-assigned identity is managed separately from the life cycle of the Azure service instances to which it's assigned.

Q50)

In Azure Key Vault, objects are uniquely identified using a URL (called the object identifier).

Which of the following are included in the object identifier?

- ✓ object-type

Explanation:-keyvault-name and object-type are both part of the object identifier. The following is an example of the object identifier:

`https://keyvault-name.vault.azure.net/{object-type}/{object-name}/{object-version}`

- keyvault-version
- keyvault-type
- ✓ keyvault-name

Explanation:-keyvault-name and object-type are both part of the object identifier. The following is an example of the object identifier:

`https://keyvault-name.vault.azure.net/{object-type}/{object-name}/{object-version}`

Q51) Which Azure identity management solution provides an Azure service with an automatically managed identity in Azure AD?

- Privileged Identity Management
- Azure Key Vault
- Cloud provisioning
- Managed identities for Azure resources

Explanation:-Managed identities for Azure resources provide Azure services with an automatically managed identity in Azure AD. You can use an identity to authenticate to any service that supports Azure AD authentication, including Key Vault, without any credentials in your code.

Q52) Which Azure CLI command creates a new Azure key vault?

- az key vault create
- az keyvault create

Explanation:-To create a new Azure key vault using the Azure CLI, you use the az keyvault create command, as shown in this example:

```
az keyvault create --name {KEY VAULT NAME} --resource-group "{RESOURCE GROUP NAME}" --location {LOCATION}
```

- az vault create
- az keyvault new

Q53) Correct or Incorrect: Azure Key Vault supports logging.

- Correct

Explanation:-Logging can be enabled for Azure Key Vault, which saves information in an Azure storage account that you provide. A new container named insights-logs-auditevent is automatically created for the specified storage account. You can use this same storage account for collecting logs for multiple key vaults.

- Incorrect

Q54) What are the two types of identities granted for App Service and Azure Functions?

- System-assigned identity

Explanation:-A system-assigned identity is tied to an application and is deleted if the app is deleted.

An app can have only one system-assigned identity.

A user-assigned identity is a standalone Azure resource that can be assigned to an app.

An app can have multiple user-assigned identities.

- User-assigned identity

Explanation:-A system-assigned identity is tied to an application and is deleted if the app is deleted.

An app can have only one system-assigned identity.

A user-assigned identity is a standalone Azure resource that can be assigned to an app.

An app can have multiple user-assigned identities.

- Tenant-assigned identity

- Application-assigned identity

Q55) Correct or Incorrect: If a team wants to migrate an existing Azure function to a different tenant, once the function is migrated, the managed identities associated to the Azure function should follow and do not need to be updated.

- Correct

- Incorrect

Explanation:-Managed identities for App Service and Azure Functions do not behave as expected if an app is migrated across subscriptions/tenants. The app needs to obtain a new identity, which can be done by disabling and re-enabling the feature. Downstream resources also need to have access policies updated to use the new identity.

Q56) Correct or Incorrect: Azure Storage supports both HTTP and HTTPS.

- Correct

Explanation:-Azure Storage support both HTTP and HTTPS, but using HTTPS is highly recommended.

- Incorrect

Q57) What are the two types of managed identities that can be granted to an Azure App Service application?

- Resource-assigned identity

- User-assigned identity

Explanation:-System-assigned and user-assigned identities are the two types of identities an application can be granted. A system-assigned identity is tied to an application and is deleted if the application is deleted. An app can have only one system-assigned identity. A user-assigned identity is a standalone Azure resource that can be assigned to an app. An app can have multiple user-assigned identities.

- System-assigned resource

- System-assigned identity

Q58)

A team needs to create an identity that is enabled on an Azure service instance.

Which managed identity should the team select?

- System-assigned managed identity

Explanation:-A system-assigned managed identity is enabled directly on the Azure service instance. When the identity is enabled, Azure creates an identity for the instance in the Azure AD tenant that's trusted by the subscription of the instance.

- Cloud-assigned managed identity
 - Privileged-assigned managed identity
 - User-assigned managed identity
-

Q59) 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?

- 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

- ResourceType
 - EventTypes
-

Q60) 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
- Advanced fields and operators

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

- ResourceType
 - EventTypes
-

Q61)

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 fulfill the requirement?

- Correct

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

The Microsoft documentation mentions the following

- Incorrect
-

Q62)

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 fulfill the requirement?

- Correct
- Incorrect

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

Q63)

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 fulfill the requirement?

- Correct
- Incorrect

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

Q64) A development team needs to develop an application module that needs to interact with an Azure service bus queue. Below is the snippet of code that needs to be completed. The code is used to send a message to the queue.

Which of the following needs to go into Slot1?

- ServiceBusClient
- Client
- QueueClient

Explanation:-Since we need to interact with a queue, we have to use the "QueueClient" class.

An example of this is given in the Microsoft documentation

- BusClient
-

Q65) A development team needs to develop an application module that needs to interact with an Azure service bus queue. Below is the snippet of code that needs to be completed. The code is used to send a message to the queue. Which of the following needs to go into Slot2?

- SendMessage
- Send
- SendAsync

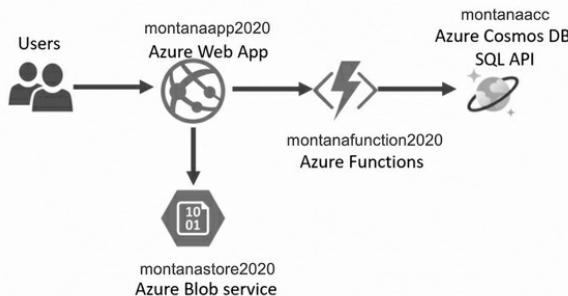
Explanation:-To send a message asynchronously, we have to use the “SendAsync” method.

An example of this is given in the Microsoft documentation

- GetAsync

Comprehension:

A company is planning on deploying a system that will follow the below mentioned architecture



- Users would be accessing the web application – <https://montana.com> via the Azure Web App service.
- Users would upload images via the web application to Azure Blob storage
- The image data would be sent to an Azure Function
- The image data would then be stored along with the user data in a Cosmos DB account

An example of an item stored in the Cosmos DB container is shown below

```
{
  "id": "1",
  "Name": "UserA",
  "orders": [
    {
      "course": "Big Data",
      "price": "9.99"
    }
  ],
  "ratings": { "3": "100", "4": "200", "5": "300" }
}
```

Q66) "You need to formulate a query that would be used to get all items where the order price is \$9.99Which of the following would go into Slot1?"

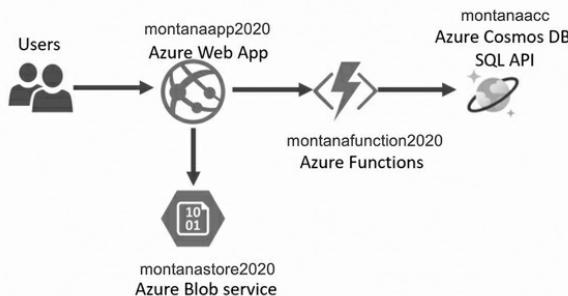
- customer.orders

Explanation:-We can use the IN clause to query data from JSON arrays An example of an implementation of querying the data is given below Data in the container After executing the query"

- customer
- orders
- course

Comprehension:

A company is planning on deploying a system that will follow the below mentioned architecture



- Users would be accessing the web application – <https://montana.com> via the Azure Web App service.
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    }
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  "ratings": { "3": "100", "4": "200", "5": "300" }
}
```

Q67) "You need to formulate a query that would be used to get all items where the order price is \$9.99 Which of the following would go into Slot2?"

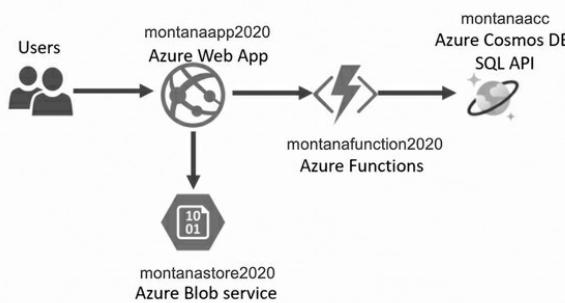
- course
- c.price
- c.orders

Explanation:-"Here since we need to filter based on the price, we should use the where clause to query based on the price An example of an implementation of querying the data is given below Data in the container After executing the query"

- orders

Comprehension:

A company is planning on deploying a system that will follow the below mentioned architecture



- Users would be accessing the web application – <https://montana.com> via the Azure Web App service.
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}
```

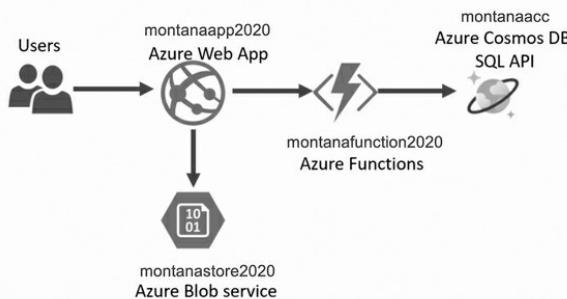
Q68) "You have to update the below code snippet that would be used to upload images to the Blob container.Which of the following would go into Slot1?"

- Blob
- CloudBlob
- BlockBlob
- CloudBlockBlob

Explanation:-"The right data type is "CloudBlockBlob" The Microsoft documentation gives an example on uploading content to Blob containers"

Comprehension:

A company is planning on deploying a system that will follow the below mentioned architecture



- Users would be accessing the web application – <https://montana.com> via the Azure Web App service.
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  ],
  "ratings": { "3": "100", "4": "200", "5": "300" }
}
```

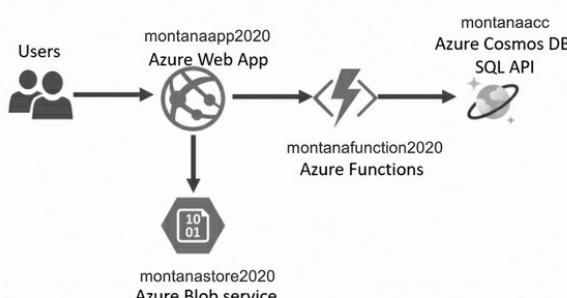
Q69) "You have to update the below code snippet that would be used to upload images to the Blob container. Which of the following would go into Slot2?"

- Blob
- BlockBlob
- CloudBlob
- CloudBlockBlob

Explanation:-The right data type is “CloudBlockBlob” The Microsoft documentation gives an example on uploading content to Blob containers”

Comprehension:

A company is planning on deploying a system that will follow the below mentioned architecture



- Users would be accessing the web application – <https://montana.com> via the Azure Web App service.
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    }
  ],
  "ratings": { "3": "100", "4": "200", "5": "300" }
}
```

```
    }
}

"ratings": { "3": "100", "4": "200", "5": "300" }
}
```

Q70)

The Azure Web App needs to be running at all times. You have to ensure the most effective plan is assigned to the Azure Web App.

You decide to make the Azure Web App part of the “Shared” App Service Plan?

Would this fulfill the requirement?

- Correct
 Incorrect

Explanation:-

When you create a function app in Azure, you must choose a hosting plan for your app. There are three basic hosting plans available for Azure Functions: Consumption plan, Premium plan, and Dedicated (App Service) plan. All hosting plans are generally available (GA) on both Linux and Windows virtual machines.

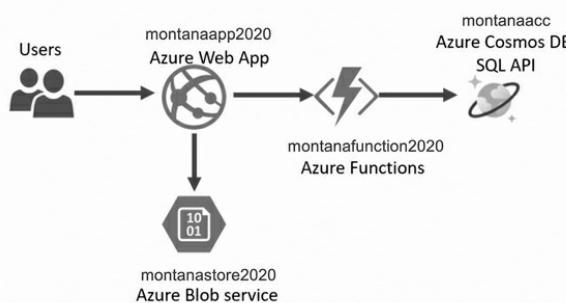
Your function apps can also run on the same dedicated VMs as other App Service apps (Basic, Standard, Premium, and Isolated SKUs).

On an App Service plan, the functions runtime goes idle after a few minutes of inactivity, so only HTTP triggers will “wake up” your functions. Always on is available only on an App Service plan. On a Consumption plan, the platform activates function apps automatically

Refer: <https://docs.microsoft.com/en-us/azure/azure-functions/functions-scale>

Comprehension:

A company is planning on deploying a system that will follow the below mentioned architecture



- Users would be accessing the web application – <https://montana.com> via the Azure Web App service.
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    }
  ],
  "ratings": { "3": "100", "4": "200", "5": "300" }
}
```

Q71)

The Azure Web App needs to be running at all times. You have to ensure the most effective plan is assigned to the Azure Web App.

You decide to make the Azure Web App part of the “Standard” App Service Plan?

Would this fulfill the requirement?

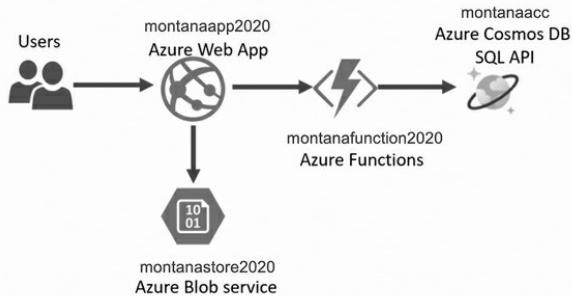
- Correct
 Incorrect

Explanation:- To fulfil this requirement, the App service plan must support the “Always On” feature. And this is supported with the Standard App

Service Plan. But this is not the most cost-effective App Service plan. Since the Basic App Service Plan already has this feature, you should choose that plan to cut on costs. Below is the snippet of the features of the various App Service Plans"

Comprehension:

A company is planning on deploying a system that will follow the below mentioned architecture



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      "price": "9.99"
    }
  ],
  "ratings": { "3": "100", "4": "200", "5": "300" }
}
```

Q72) "A lease needs to be applied on common blob's in the Azure storage account. How would you complete the below REST API call for implementing a blob lease? <https://XYZtore2020.blob.core.windows.net/demo/XYZcommon.json>? Which of the following should go into Slot1?"

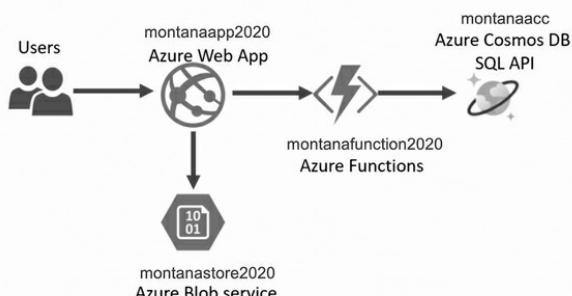
- obj=lease
- get=lease
- comp=lease

Explanation:-"We have to use the query string parameter as "comp=lease" This is also given in the Microsoft documentation"

- getlease

Comprehension:

A company is planning on deploying a system that will follow the below mentioned architecture



- Users would be accessing the web application – <https://montana.com> via the Azure Web App service.
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```

```
"orders": [
  {
    "course": "Big Data",
    "price": "9.99"
  },
  {
    "ratings": { "3": "100", "4": "200", "5": "300" }
  }
]
```

Q73)

The Azure Web App needs to be running at all times. You have to ensure the most effective plan is assigned to the Azure Web App. You decide to make the Azure Web App part of the "Basic" App Service Plan? Would this fulfill the requirement?

- Incorrect

Explanation:-

- Correct

Explanation:-

When you create a function app in Azure, you must choose a hosting plan for your app. There are three basic hosting plans available for Azure Functions: Consumption plan, Premium plan, and Dedicated (App Service) plan. All hosting plans are generally available (GA) on both Linux and Windows virtual machines.

Your function apps can also run on the same dedicated VMs as other App Service apps (Basic, Standard, Premium, and Isolated SKUs).

On an App Service plan, the functions runtime goes idle after a few minutes of inactivity, so only HTTP triggers will "wake up" your functions. Always on is available only on an App Service plan. On a Consumption plan, the platform activates function apps automatically.

Refer: <https://docs.microsoft.com/en-us/azure/azure-functions/functions-scale>