- **Vendor: Microsoft**
- **Exam Code: AZ-204**
- **Exam Name: Developing Solutions for Microsoft Azure**
- **New Updated Questions from Braindump2go (Updated in Jan./2021)**

QUESTION 147
A development team is developing an application. The application will be storing its data in Azure Table storage. Below are the fields that are going to be stored in the table
- Region
- Email address
- Phone number

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

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

    Slot1 whizlabs_batch = new Slot2

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

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

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

    whizlabs_table. Slot3 (whizlabs_batch);

    Console.WriteLine("Records Inserted");

    Console.ReadKey();
}
```

Which of the following will go into Slot2?

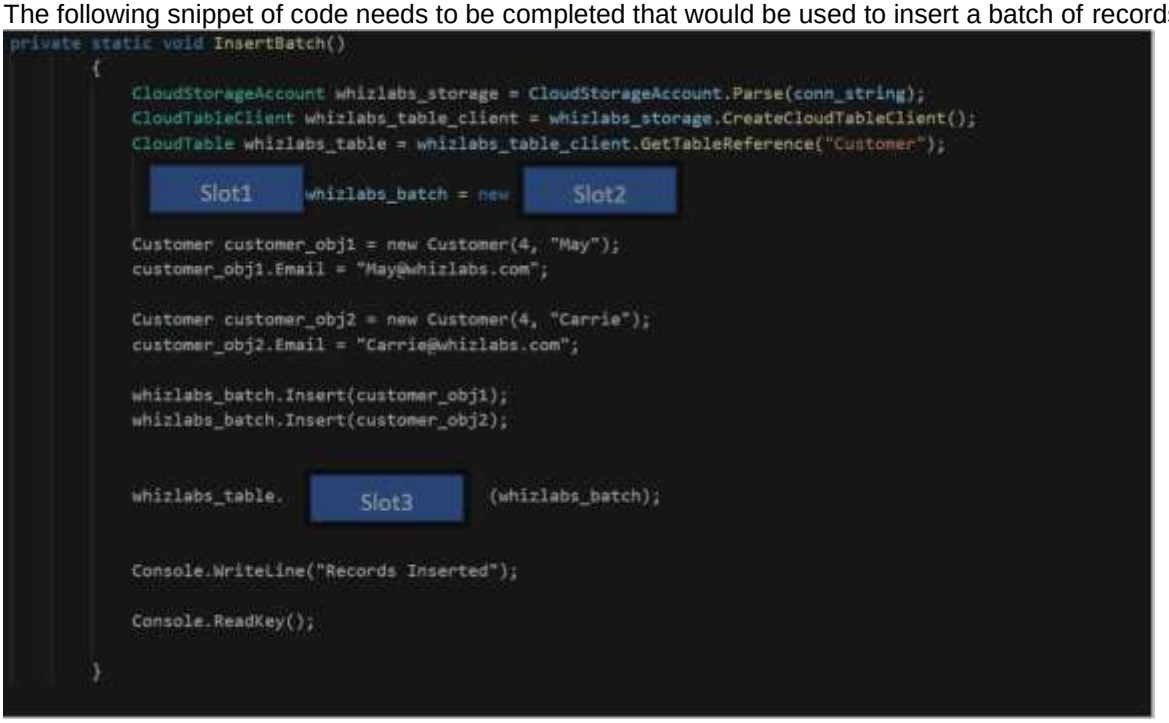
A. TableOperation
B. TableBatchOperation
C. TableEntity
D. TableQuery

Answer: B
Explanation:
https://docs.microsoft.com/en-us/azure/cosmos-db/table-storage-how-to-use-dotnet

QUESTION 148
A development team is developing an application. The application will be storing its data in Azure Table storage. Below are the fields that are going to be stored in the table
- Region

- Email address
- Phone number

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

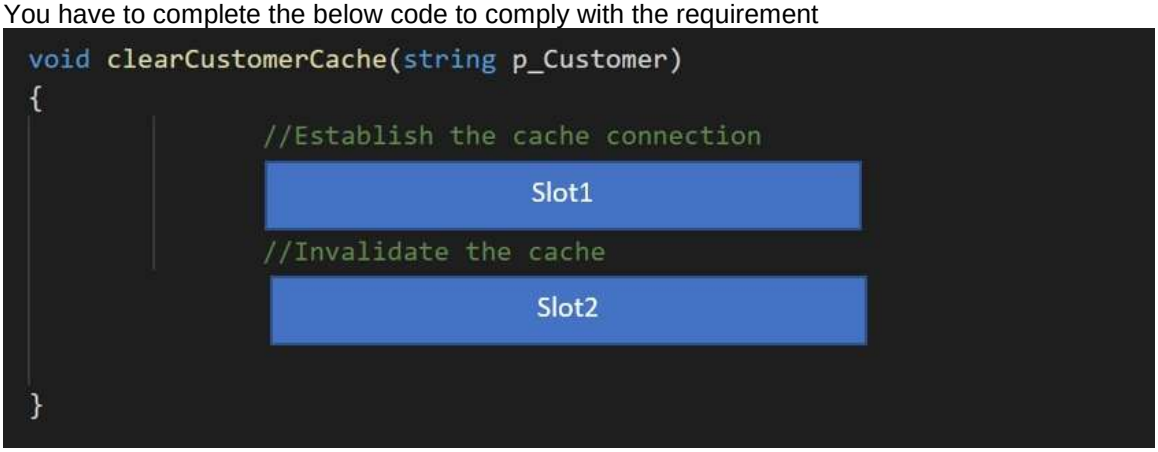


Which of the following will go into Slot3?

A. ExecuteBatch
B. Execute
C. Insert
D. InsertOrMerge

Answer: A
Explanation:
https://docs.microsoft.com/en-us/azure/cosmos-db/table-storage-how-to-use-dotnet

QUESTION 149
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 Slot1?

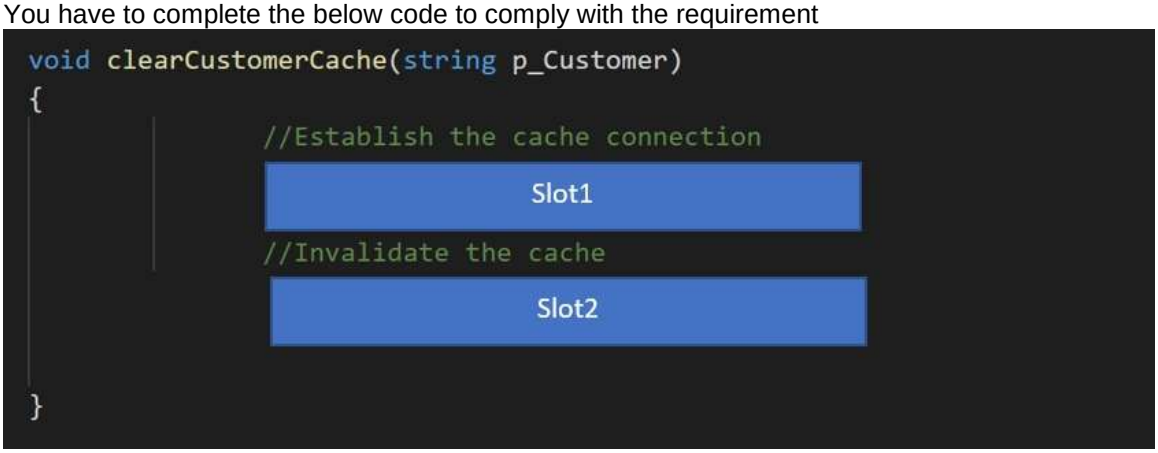
A. IDatabase cache=Connection.GetDatabase();
B. IDatabase cache=Connection.GetCache();
C. ICache cache=Connection.GetDatabase();
D. ICache cache=Connection.GetCache();

Answer: A
Explanation:
The right way is to use the IDatabase interface. Also you need to use the GetDatabase() method. This is also mentioned in the Microsoft documentation.

```
static void Main(string[] args)
{
    // Connection refers to a property that returns a ConnectionMultiplexer
    // as shown in the previous example.
    IDatabase cache = lazyConnection.Value.GetDatabase();
```

Since this is clearly given in the Microsoft documentation, all other options are incorrect.
https://docs.microsoft.com/en-us/azure/azure-cache-for-redis/cache-dotnet-how-to-use-azure-redis-cache

QUESTION 150
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?

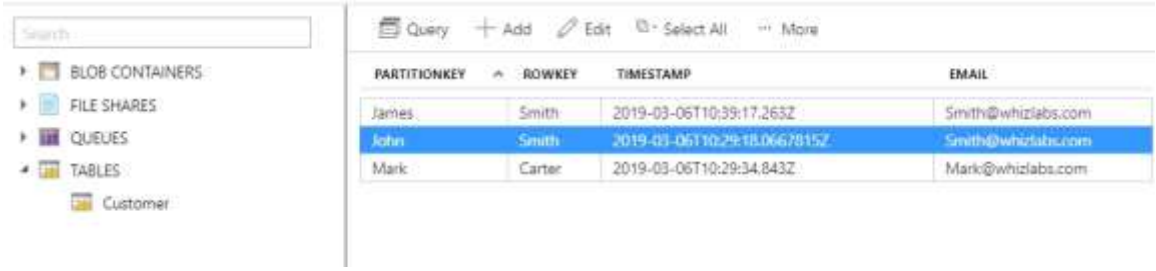
A. cache.KeyDelete(p_Customer);
B. cache.ValueDelete(p_Customer);
C. cache.StringGet(p_Customer);
D. cache.StringSet(p_Customer);

Answer: A
Explanation:
Since you have to invalidate the cache, you have to delete the Key itself
Option B is incorrect since you need to work with keys and not the values
Option C is incorrect this is used to get the string value
Option D is incorrect this is used to set the string value
https://docs.microsoft.com/en-us/azure/azure-cache-for-redis/cache-dotnet-how-to-use-azure-redis-cache

QUESTION 151
A development team is developing an application that works with Azure Table storage.

Column	
FirstName	Partition Key
LastName	RowKey
Email	Property

Below are some of the rows in the table



You have the following code statement from a C# program

```
TableQuery<CustomerEntity> rangeQuery = new TableQuery<CustomerEntity>().Where(
    TableQuery.CombineFilters(
        TableQuery.GenerateFilterCondition("PartitionKey", QueryComparisons.Equal, "James"),
        TableOperators.And,
        TableQuery.GenerateFilterCondition("RowKey", QueryComparisons.Equal, "Smith@whizlabs.com")));
```

Would this return all the entities where the RowKey is Smith@whizlabs.com?

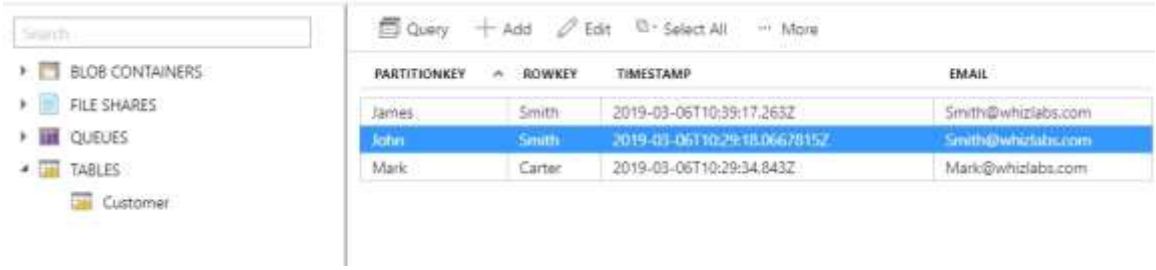
A. Yes
B. No

Answer: B
Explanation:
https://docs.microsoft.com/en-us/azure/cosmos-db/table-storage-how-to-use-dotnet

QUESTION 152
A development team is developing an application that works with Azure Table storage.

Column	
FirstName	Partition Key
LastName	RowKey
Email	Property

Below are some of the rows in the table



Is the below.Net Code query

```
TableQuery<CustomerEntity> rangeQuery = new TableQuery<CustomerEntity>().Where(
    TableQuery.CombineFilters(
        TableQuery.GenerateFilterCondition("PartitionKey", QueryComparisons.Equal, "James"),
        TableOperators.And,
        TableQuery.GenerateFilterCondition("RowKey", QueryComparisons.Equal, "Smith")));
```

Same as executing the below REST API call along with a valid Shared Access Signature

https://whizlabsstore.table.core.windows.net/Customer(PartitionKey='James',RowKey='Smith')

A. Yes
B. No

Answer: A
Explanation:
https://docs.microsoft.com/en-us/rest/api/storageservices/querying-tables-and-entities

QUESTION 153
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals.
You are developing and deploying several ASP.Net web applications to Azure App Service. You plan to save session state information and HTML output. You must use a storage mechanism with the following requirements:
- Share session state across all ASP.NET web applications
- Support controlled, concurrent access to the same session state data for multiple readers and a single writer
- Save full HTTP responses for concurrent requests
You need to store the information.
Proposed Solution: Enable Application Request Routing (ARR)
Does the solution meet the goal?

A. Yes
B. No

Answer: B
Explanation:
Instead deploy and configure Azure Cache for Redis. Update the web applications.
Reference:
https://docs.microsoft.com/en-us/azure/architecture/best-practices/caching#managing-concurrency-in-a-cache

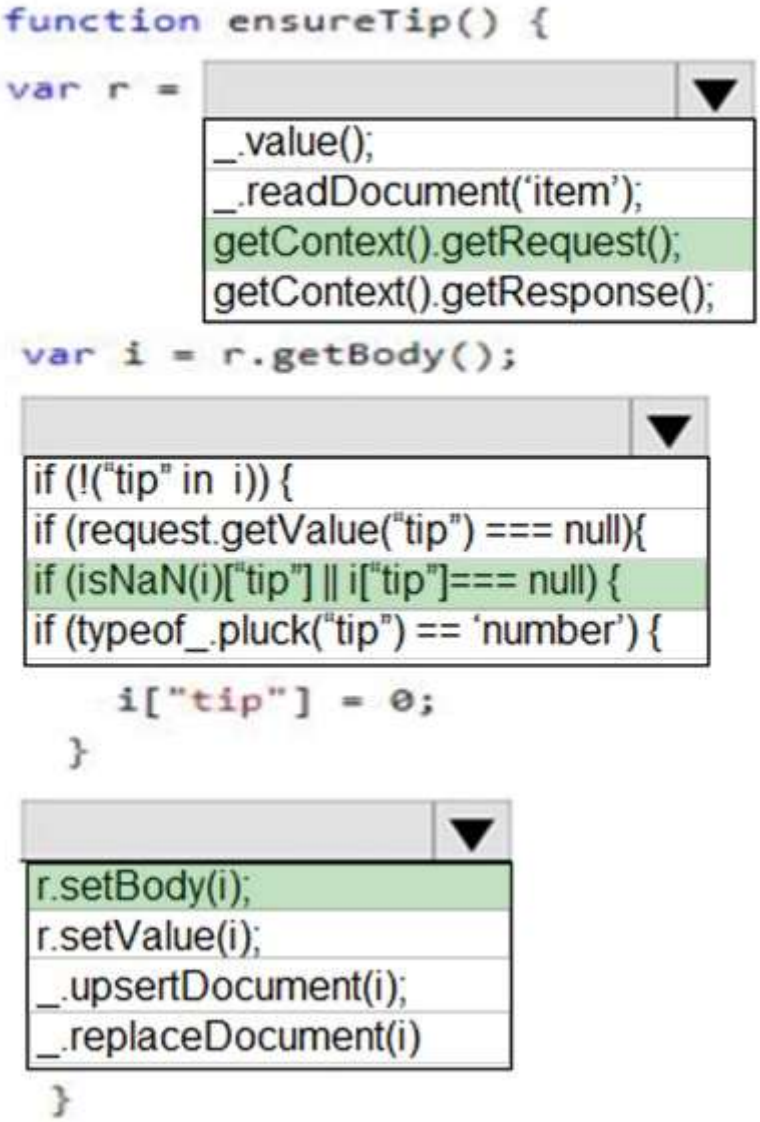
QUESTION 154
Hotspot Question
You have a web service that is used to pay for food deliveries. The web service uses Azure Cosmos DB as the data store.
You plan to add a new feature that allows users to set a tip amount. The new feature requires that a property named tip on the document in Cosmos DB must be present and contain a numeric value.
There are many existing websites and mobile apps that use the web service that will not be updated to set the tip property for some time.
How should you complete the trigger?
NOTE: Each correct selection is worth one point.`

Answer Area

```
function ensureTip() {
var r = [ _.value(); | _.readDocument('item'); | getContext().getRequest(); | getContext().getResponse(); ]
var i = r.getBody();
[ if (!("tip" in i)) { | if (request.getValue("tip") === null){ | if (isNaN(i)["tip"] || i["tip"]=== null) { | if (typeof_.pluck("tip") == 'number') { ]
    i["tip"] = 0;
  }
[ r.setBody(i); | r.setValue(i); | _.upsertDocument(i); | _.replaceDocument(i) ]
}
```

Answer:

Answer Area



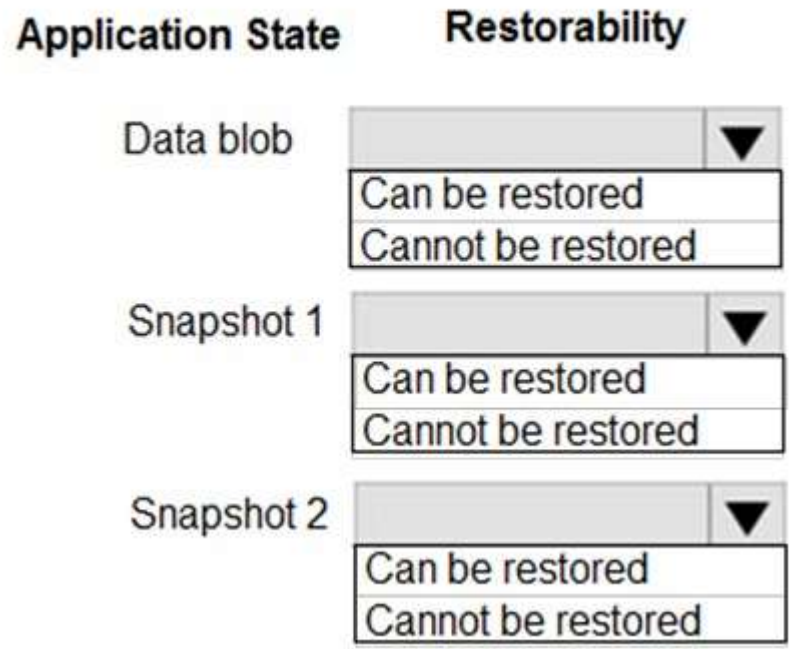
Explanation:
Box 1: getContext().getRequest();
Box 2: if(isNaN(i)["tip"] ..
In JavaScript, there are two ways to check if a variable is a number :
isNaN() ?Stands for "is Not a Number", if variable is not a number, it return true, else return false. typeof ?If variable is a number, it will returns a string named "number".
Box 3:r.setBody(i);
// update the item that will be created
References:
https://docs.microsoft.com/bs-latn-ba/azure/cosmos-db/how-to-write-stored-procedures-triggers-udfs
https://mkyong.com/javascript/check-if-variable-is-a-number-in-javascript/

QUESTION 155
Hotspot Question
You are developing an application that use an Azure blob named data to store application data. The application creates blob snapshots to allow application state to be reverted to an earlier state. The Azure storage account has soft deleted enabled.

The system performs the following operations in order:
- The blob is updated
- Snapshot 1 is created.
- Snapshot 2 is created.
- Snapshot 1 is deleted.

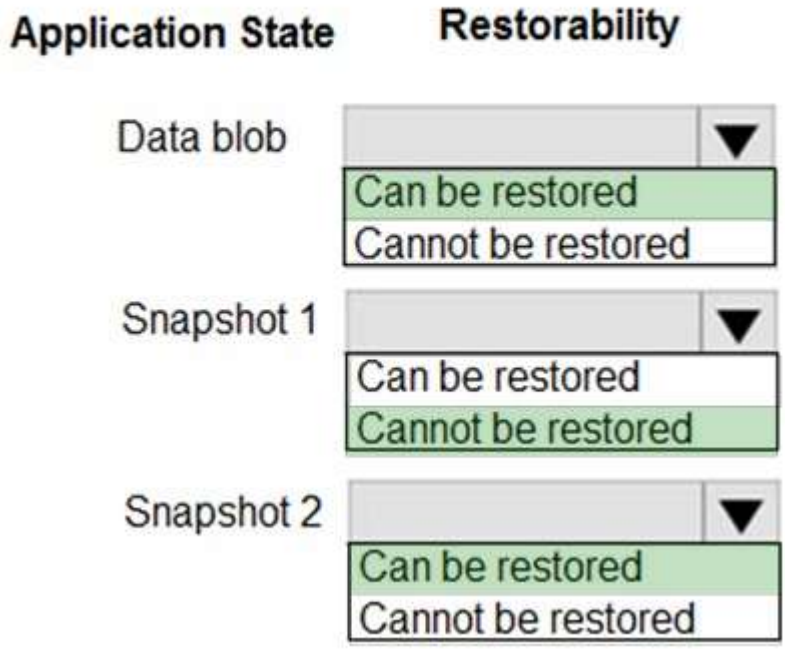
A system error then deletes the data blob and all snapshots.
You need to determine which application states can be restored.
What is the restorability of the application data? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area



Answer:

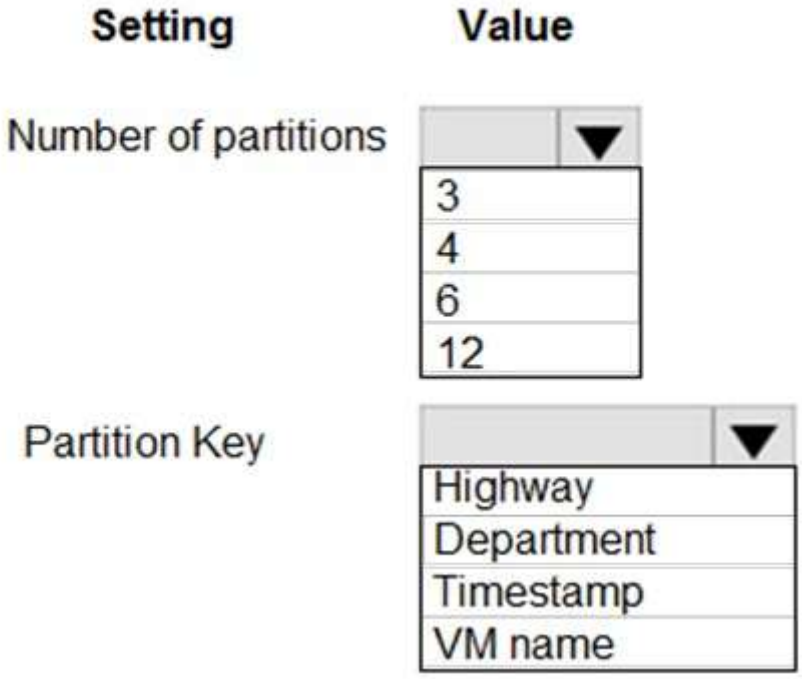
Answer Area



Explanation:
Box 1: Can be restored
When enabled, soft delete enables you to save and recover your data when blobs or blob snapshots are deleted. This protection extends to blob data that is erased as the result of an overwrite.
Box 2: Cannot be restored
It has been deleted.
Box 3: Can be restored
It has not been deleted.
References:
https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-soft-delete

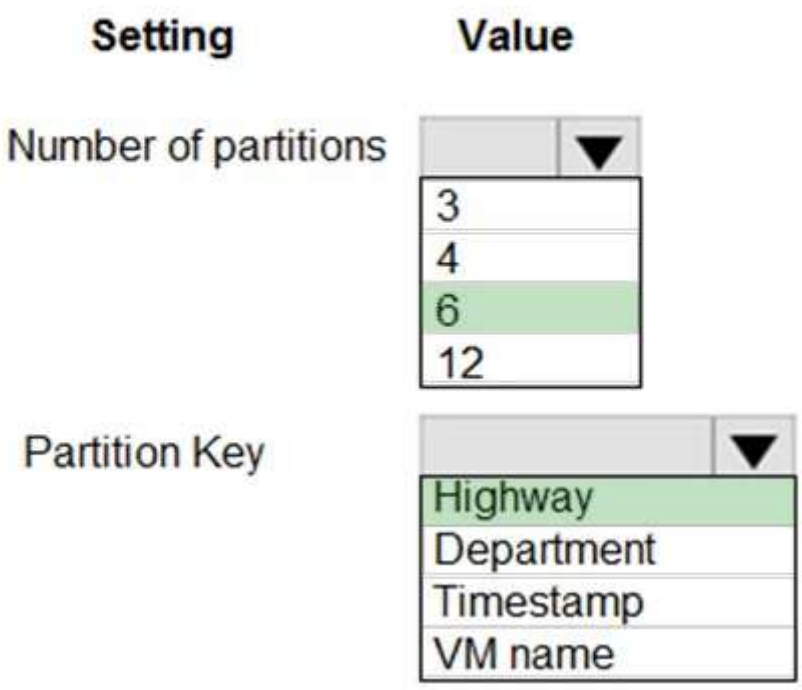
QUESTION 156
Hotspot Question
You are building a traffic monitoring system that monitors traffic along six highways. The system produces time series analysis-based reports for each highway. Data from traffic sensors are stored in Azure Event Hub.
Traffic data is consumed by four departments. Each department has an Azure Web App that displays the time-series-based reports and contains a WebJob that processes the incoming data from Event Hub. All Web Apps run on App Service Plans with three instances.
Data throughout must be maximized. Latency must be minimized.
You need to implement the Azure Event Hub.
Which settings should you use? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area



Answer:

Answer Area



Explanation:
Box 1: 6
The number of partitions is specified at creation and must be between 2 and 32.

There are 6 highways.
Box 2: Highway
References:
https://docs.microsoft.com/en-us/azure/event-hubs/event-hubs-features

QUESTION 157
You are preparing to deploy an ASP.NET Core website to an Azure Web App from a GitHub repository. The website includes static content generated by a script.
You plan to use the Azure Web App continuous deployment feature.
You need to run the static generation script before the website starts serving traffic.
What are two possible ways to achieve this goal? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

A. Create a file named .deployment in the root of the repository that calls a script which generates the static content and deploys the website.
B. Add a PreBuild target in the websites csproj project file that runs the static content generation script.
C. Create a file named run.cmd in the folder /run that calls a script which generates the static content and deploys the website.
D. Add the path to the static content generation tool to WEBSITE_RUN_FROM_PACKAGE setting in the host.json file.

Answer: AD
Explanation:
A: To customize your deployment, include a .deployment file in the repository root.
You just need to add a file to the root of your repository with the name .deployment and the content:
[config]
command = YOUR COMMAND TO RUN FOR DEPLOYMENT
this command can be just running a script (batch file) that has all that is required for your deployment, like copying files from the repository to the web root directory for example.
D: In Azure, you can run your functions directly from a deployment package file in your function app. The other option is to deploy your files in the d:\home\site\wwwroot directory of your function app (see A above).
To enable your function app to run from a package, you just add a WEBSITE_RUN_FROM_PACKAGE setting to your function app settings.
Note: The host.json metadata file contains global configuration options that affect all functions for a function app.
References:
https://github.com/projectkudu/kudu/wiki/Custom-Deployment-Script https://docs.microsoft.com/bs-latn-ba/azure/azure-functions/run-functions-from-deployment-package