EXAMTOPICS
- Expert Verified, Online, **Free**.

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Question #36 *Topic 1*

HOTSPOT -

You are developing an ASP.NET Core web application. You plan to deploy the application to Azure Web App for Containers.

The application needs to store runtime diagnostic data that must be persisted across application restarts. You have the following code:

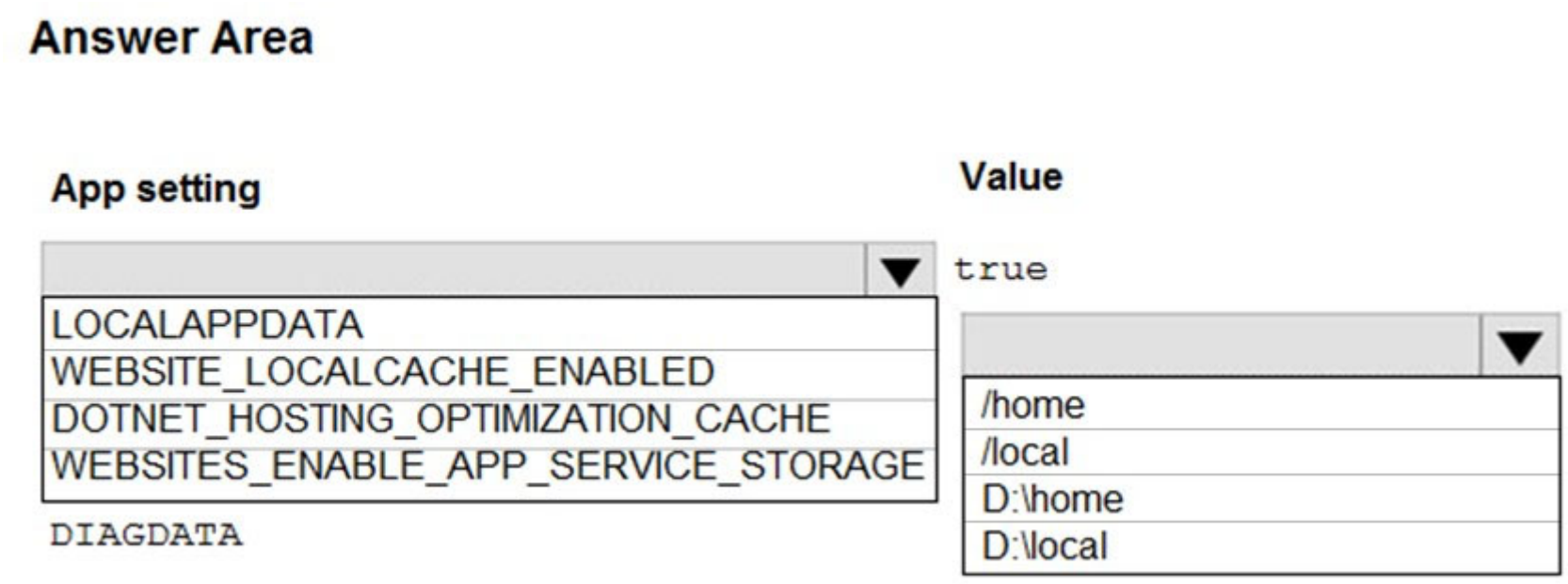
```
public void SaveDiagData(string data)
{
    var path = Environment.GetEnvironmentVariable("DIAGDATA");
    File.WriteAllText(Path.Combine(path, "data"), data);
}
```

You need to configure the application settings so that diagnostic data is stored as required.

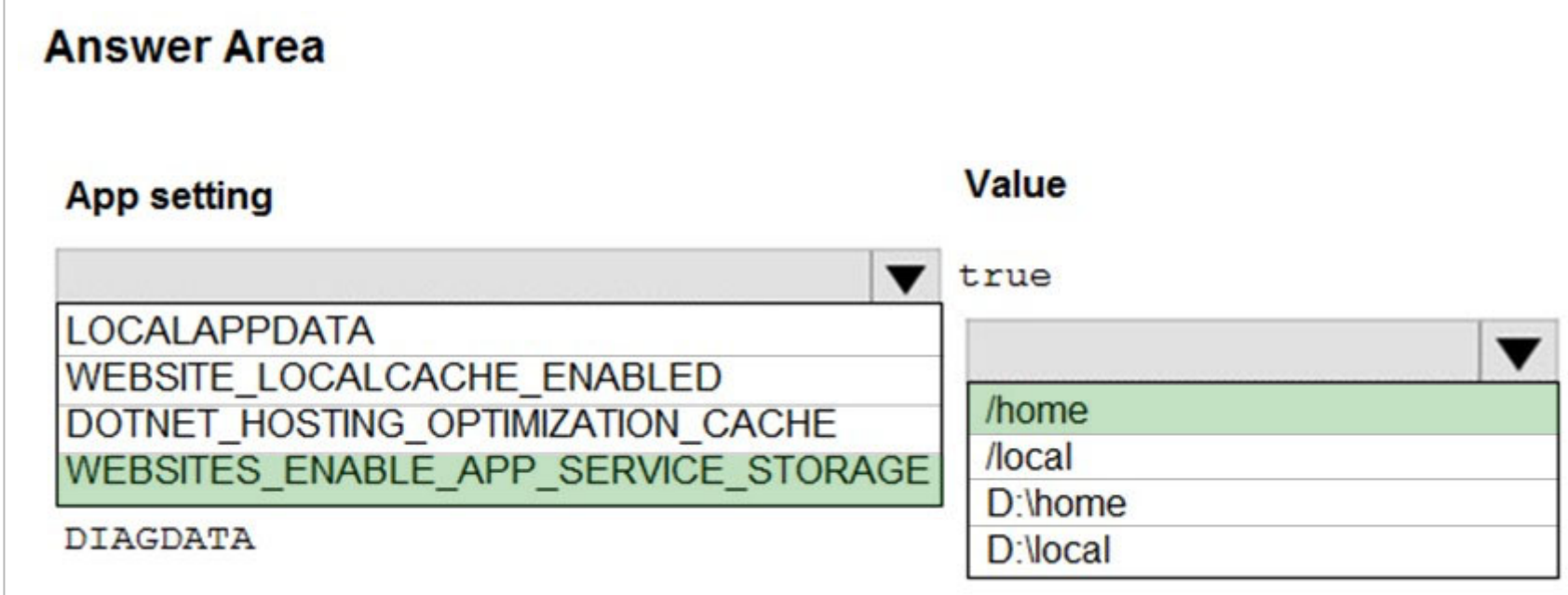
How should you configure the web app's settings? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:



Correct Answer:



Box 1: If WEBSITES_ENABLE_APP_SERVICE_STORAGE

If WEBSITES_ENABLE_APP_SERVICE_STORAGE setting is unspecified or set to true, the /home/ directory will be shared across scale instances, and files written will persist across restarts

Box 2: /home -

Reference:

https://docs.microsoft.com/en-us/azure/app-service/containers/app-service-linux-faq

Question #37 *Topic 1*

You are developing a web app that is protected by Azure Web Application Firewall (WAF). All traffic to the web app is routed through an Azure Application
Gateway instance that is used by multiple web apps. The web app address is contoso.azurewebsites.net.
All traffic must be secured with SSL. The Azure Application Gateway instance is used by multiple web apps.
You need to configure the Azure Application Gateway for the web app.
Which two actions should you perform? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

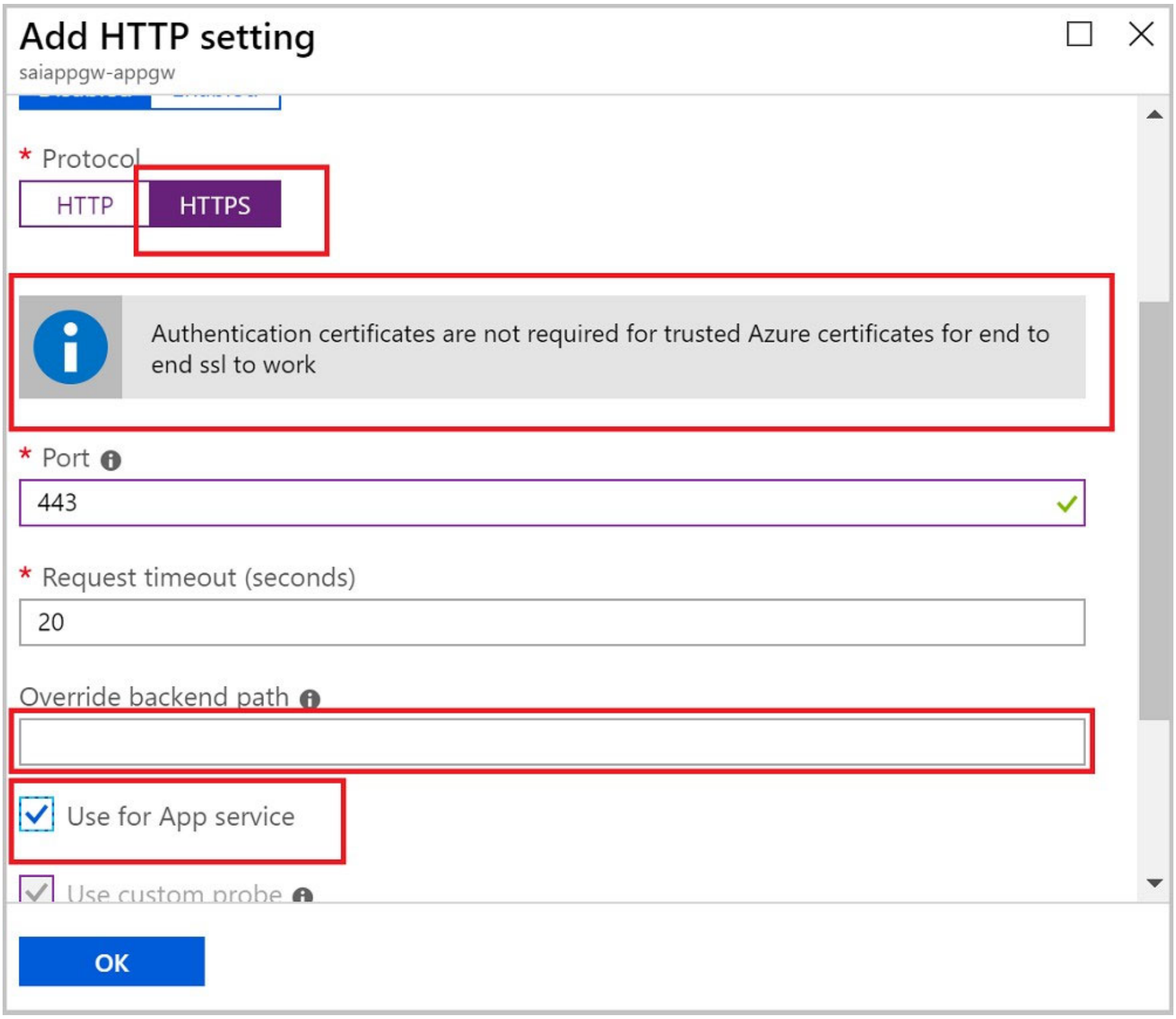
A. In the Azure Application Gatewayλ€™s HTTP setting, enable the Use for App service setting.

B. Convert the web app to run in an Azure App service environment (ASE).

C. Add an authentication certificate for contoso.azurewebsites.net to the Azure Application Gateway.

D. In the Azure Application Gatewayλ€™s HTTP setting, set the value of the Override backend path option to contoso22.azurewebsites.net.

Correct Answer: *AD*
D: The ability to specify a host override is defined in the HTTP settings and can be applied to any back-end pool during rule creation.
The ability to derive the host name from the IP or FQDN of the back-end pool members. HTTP settings also provide an option to dynamically pick the host name from a back-end pool member's FQDN if configured with the option to derive host name from an individual back-end pool member.
A (not C): SSL termination and end to end SSL with multi-tenant services.
In case of end to end SSL, trusted Azure services such as Azure App service web apps do not require whitelisting the backends in the application gateway.
Therefore, there is no need to add any authentication certificates.



Reference:

https://docs.microsoft.com/en-us/azure/application-gateway/application-gateway-web-app-overview

Question #38 *Topic 1*

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You develop a software as a service (SaaS) offering to manage photographs. Users upload photos to a web service which then stores the photos in Azure
Storage Blob storage. The storage account type is General-purpose V2.
When photos are uploaded, they must be processed to produce and save a mobile-friendly version of the image. The process to produce a mobile-friendly version of the image must start in less than one minute.
You need to design the process that starts the photo processing.
Solution: Use the Azure Blob Storage change feed to trigger photo processing.
Does the solution meet the goal?

A. Yes

B. No

Correct Answer: *B*
The change feed is a log of changes that are organized into hourly segments but appended to and updated every few minutes. These segments are created only when there are blob change events that occur in that hour.
Instead catch the triggered event, so move the photo processing to an Azure Function triggered from the blob upload.
Reference:
https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-change-feed https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-event-overview

Topic 2 - Question Set 2

Question #1 *Topic 2*

HOTSPOT -

A company develops a series of mobile games. All games use a single leaderboard service.

You have the following requirements:

- ✑ Code must be scalable and allow for growth.
- ✑ Each record must consist of a playerId, gameId, score, and time played.
- ✑ When users reach a new high score, the system will save the new score using the SaveScore function below.
- ✑ Each game is assigned an Id based on the series title.

You plan to store customer information in Azure Cosmos DB. The following data already exists in the database:

PartitionKey	RowKey	Email
Harp	Walter	wharp@contoso.com
Smith	Steve	ssmith@contoso.com
Smith	Jeff	jsmith@contoso.com

You develop the following code to save scores in the data store. (Line numbers are included for reference only.)

```
01 public void SaveScore(string gameId, string playerId, int score, long timePlayed)
02 {
03 CloudStorageAccount storageAccount = CloudStorageAccount.Parse(connectionString);
04 CloudTableClient tableClient = storageAccount.CreateCloudTableClient();
05 CloudTable table = tableClient.GetTableReference("scoreTable");
06 table.CreateIfNotExists();
07 var scoreRecord = new PlayerScore(gameId, playerId, score, timePlayed);
08 TableOperation insertOperation = TableOperation.Insert(scoreRecord);
09 table.Execute(insertOperation);
10 }
```

You develop the following code to query the database. (Line numbers are included for reference only.)

```
01 CloudTableClient tableClient = account.CreateCloudTableClient();
02 CloudTable table = tableClient.GetTableReference ("people");
03 TableQuery < CustomerEntity> query = new TableQuery <CustomerEntity >( )
04 .Where( TableQuery.CombineFilters (
05 TableQuery.GenerateFilterCondition (PartitionKey, QueryComparisons.Equal , "Smith"),
06 TableOperators.And , TableQuery.GenerateFilterCondition(Email, QueryComparisons.Equal, "ssmith@contoso.com")
07 ));
08 await table.ExecuteQuerySegmentedAsync< CustomerEntity>(query, null);
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
SaveScore will work with Cosmos DB.	◯	◯
SaveScore will update and replace a record if one already exists with the same playerId and gameId.	◯	◯
Leader board data for the game will be automatically partitioned using gameId.	◯	◯
SaveScore will store the values for the gameId and playerId parameters in the database.	◯	◯

Answer Area

Statements	Yes	No
SaveScore will work with Cosmos DB.	◯	◯
SaveScore will update and replace a record if one already exists with the same playerId and gameId.	◯	◯
Leader board data for the game will be automatically partitioned using gameId.	◯	◯
SaveScore will store the values for the gameId and playerId parameters in the database.	◯	◯

Correct Answer:

Box 1: Yes -

Create a table.

A CloudTableClient object lets you get reference objects for tables and entities. The following code creates a CloudTableClient object and uses it to create a new

CloudTable object, which represents a table

```
// Retrieve storage account from connection-string.
CloudStorageAccount storageAccount =
CloudStorageAccount.parse(storageConnectionString);
// Create the table client.
CloudTableClient tableClient = storageAccount.createCloudTableClient();
// Create the table if it doesn't exist.
String tableName = "people";
CloudTable cloudTable = tableClient.getTableReference(tableName); cloudTable.createIfNotExists();
```

Box 2: No -

New records are inserted with TableOperation.insert. Old records are not updated.

To update old records TableOperation.insertOrReplace should be used instead.

Box 3: No -

Box 4: Yes -

Reference:

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

Question #2 *Topic 2*

HOTSPOT -

You are developing a solution that uses the Azure Storage Client library for .NET. You have the following code: (Line numbers are included for reference only.)

```
01 CloudBlockBlob src = null;
02 try
03 {
04    src = container.ListBlobs().OfType<CloudBlockBlob>().FirstOrDefault();
05    var id = await src.AcquireLeaseAsync(null);
06    var dst = container.GetBlockBlobReference(src.Name);
07    string cpid = await dst.StartCopyAsync(src);
08    await dst.FetchAttributeAsync();
09    return id;
10 }
11 catch (Exception e)
12 {
13    throw;
14 }
15 finally
16 {
17    if (src != null)
18    await src.FetchAttributesAsync();
19    if (src.Properties.LeaseState != LeaseState.Available)
20    await src.BreakLeaseAsync(new TimeSpan(0));
21 }
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statement	Yes	No
The code creates an infinite lease	◯	◯
The code at line 06 always creates a new blob	◯	◯
The finally block releases the lease	◯	◯

Answer Area

Correct Answer:

Statement	Yes	No
The code creates an infinite lease	◉	◯
The code at line 06 always creates a new blob	◯	◉
The finally block releases the lease	◉	◯

Box 1: Yes -

AcquireLeaseAsync does not specify leaseTime.

leaseTime is a TimeSpan representing the span of time for which to acquire the lease, which will be rounded down to seconds. If null, an infinite lease will be acquired. If not null, this must be 15 to 60 seconds.

Box 2: No -

The GetBlockBlobReference method just gets a reference to a block blob in this container.

Box 3: Yes -

The BreakLeaseAsync method initiates an asynchronous operation that breaks the current lease on this container.

Reference:

https://docs.microsoft.com/en-us/dotnet/api/microsoft.azure.storage.blob.cloudblobcontainer.acquireleaseasync
https://docs.microsoft.com/en-us/dotnet/api/microsoft.azure.storage.blob.cloudblobcontainer.getblockblobreference
https://docs.microsoft.com/en-us/dotnet/api/microsoft.azure.storage.blob.cloudblobcontainer.breakleaseasync

Previous Questions

Next Questions