AZ-204 Q&As

Developing Solutions for Microsoft Azure

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QUESTION 1

DRAG DROP

You are developing an ASP.NET Core website that can be used to manage photographs which are stored in Azure Blob Storage containers.

Users of the website authenticate by using their Azure Active Directory (Azure AD) credentials.

You implement role-based access control (RBAC) role permissions on the containers that store photographs. You assign users to RBAC roles.

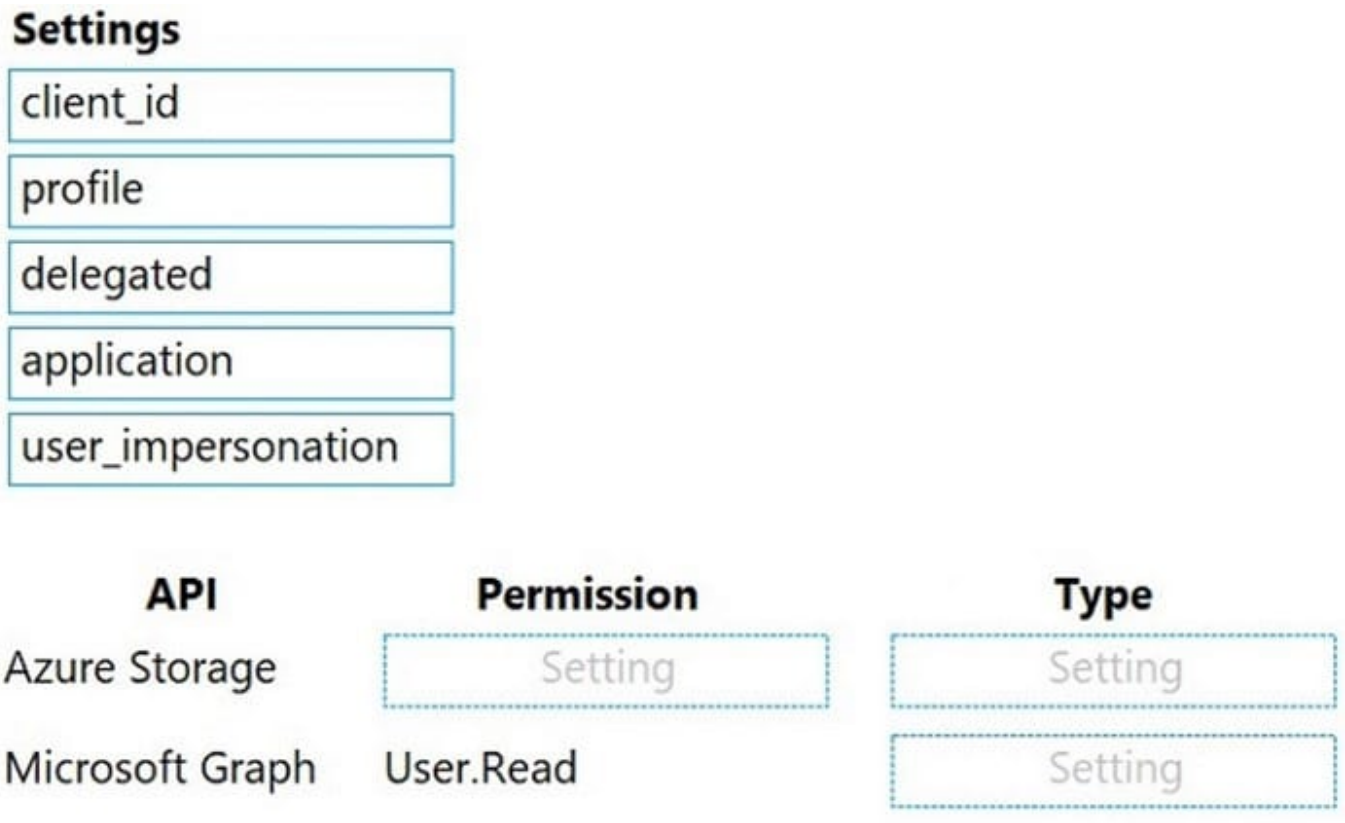
You need to configure the website\\'s Azure AD Application so that user\\'s permissions can be used with the Azure Blob containers.

How should you configure the application? To answer, drag the appropriate setting to the correct location. Each setting can be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view

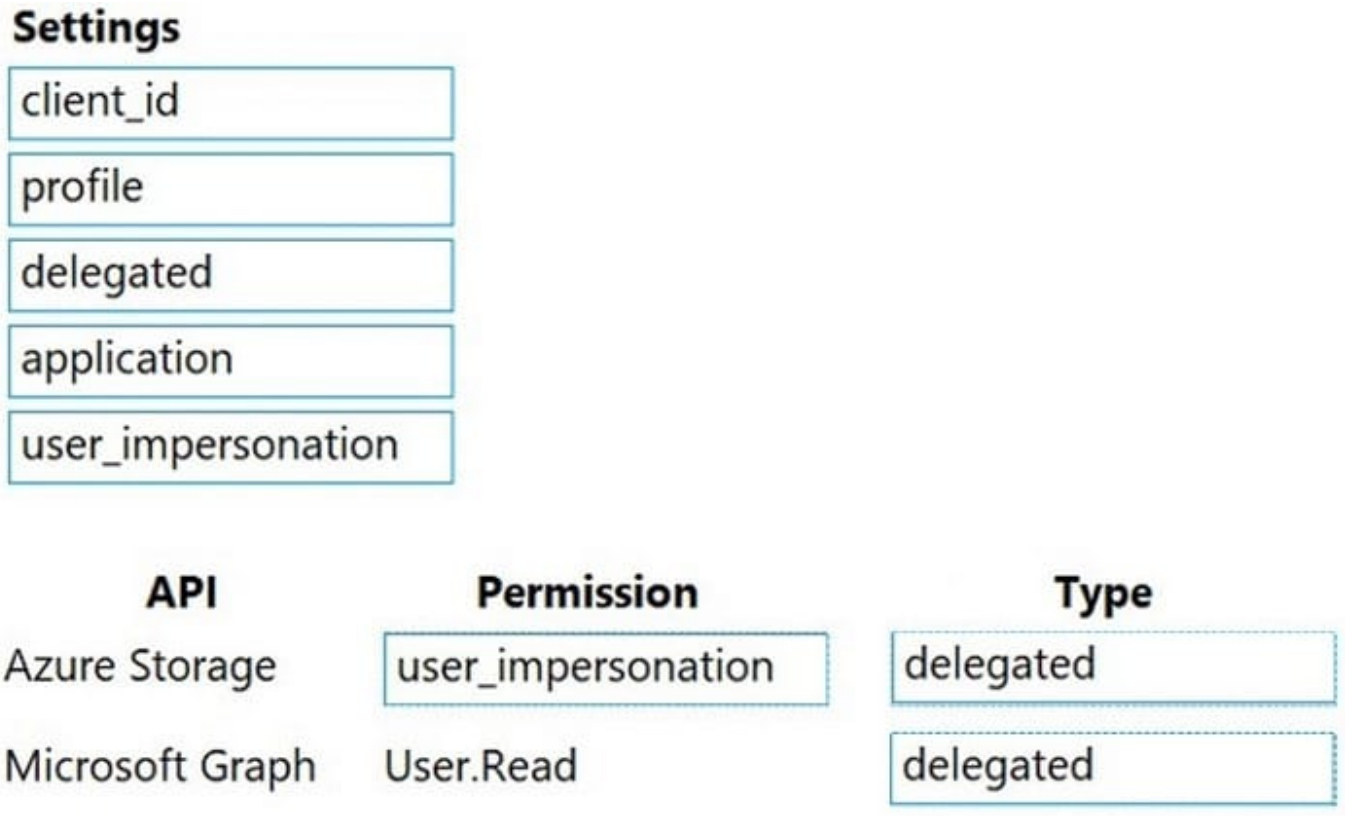
content.

NOTE: Each correct selection is worth one point.

Select and Place:



Correct Answer:



Box 1: user_impersonation

Box 2: delegated Example:

1.

Select the API permissions section

2.

Click the Add a permission button and then: Ensure that the My APIs tab is selected

3.

In the list of APIs, select the API TodoListService-aspnetcore.

4.

In the Delegated permissions section, ensure that the right permissions are checked: user_impersonation.

5.

Select the Add permissions button.

Box 3: delegated Example

1.

Select the API permissions section

2.

Click the Add a permission button and then, Ensure that the Microsoft APIs tab is selected

3.

In the Commonly used Microsoft APIs section, click on Microsoft Graph

4.

In the Delegated permissions section, ensure that the right permissions are checked: User.Read. Use the search box if necessary.

5.

Select the Add permissions button

Reference: https://docs.microsoft.com/en-us/samples/azure-samples/active-directory-dotnet-webapp-webapi-openidconnect-aspnetcore/calling-a-web-api-in-an-aspnet-core-web-application-using-azure-ad/

QUESTION 2

HOTSPOT

You have an app that stores player scores for an online game. The app stores data in Azure tables using a class named PlayerScore as the table entity. The table is populated with 100,000 records.

You are reviewing the following section of code that is intended to retrieve 20 records where the player score exceeds 15,000. (Line numbers are included for reference only.)

```
1 public void GetScore(string.playerId, int score, string gameName)
2 {
3    Table Query<DynamicTableEntity> query – new TableQuery<DynamicTableEntity>().Select(new.string[.] { "Score" })
       .Where(TableQuery.GenerateFilterConditionForInt("Score", QueryComparisons.GretaerThanOrEqual, 15000)).Take
(20);
4    EntityResolver<KeyValuePair<string, int?>> resolver =
      (partitionKey, rowKey, ts, props, etag) => new KeyValuePair<string, int?>(rowKey, props["Score"].Int32Value);
5    foreach (var scoreItem in scoreTable.ExecuteQuery (query, resolver, null, null))
6    {
      Console.Writeline($"{scoreItem.Key} {scoreItem.Value}");
7    }
8   }

9  public class PlayerScore : TableEntity
10 {
11   public PlayerScore(string gameId, string playerId, int score, long timePlayed)
12   {
13     PartitionKey = gameId;
14     RowKey = playerId;
15     Score = score;
16     TimePlayed = timePlayed;
17   }
18   public int Score { get; set; }
19   public long TimePlayed { get; set; }
20   }
```

You have the following code. (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.CreateCloudTableClinet();
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  }
11  public class PlayerScore : TableEntity
12 {
13   public PlayerScore(string gameId, string playerId, int score, long timePlayed)
14   {
15     this.PartitionKey = gameId;
16     this.RowKey = playerId;
17   Score = score;
18   TimePlayed = timePlayed;
19   }
20   public int Score { get; set; }
21   public long TimePlayed { get; set; }
22 }
```

You store customer information in an Azure Cosmos database. 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. (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.Generate.And, TableQuery.GenerateFilterCondition(Email, 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:

	Yes	No
The code returns every Record where the surname equals Smith.	○	○
The table endpoint https://<mytableendpoint>/People (PartitionKey='Smith',RowKey='Steve')returns the same results as the code.	○	○

Correct Answer:

	Yes	No
The code returns every Record where the surname equals Smith.	○	○
The table endpoint https://<mytableendpoint>/People (PartitionKey='Smith',RowKey='Steve')returns the same results as the code.	○	○

QUESTION 3

DRAG DROP

You are preparing to deploy an application to an Azure Kubernetes Service (AKS) cluster.

The application must only be available from within the VNet that includes the cluster.

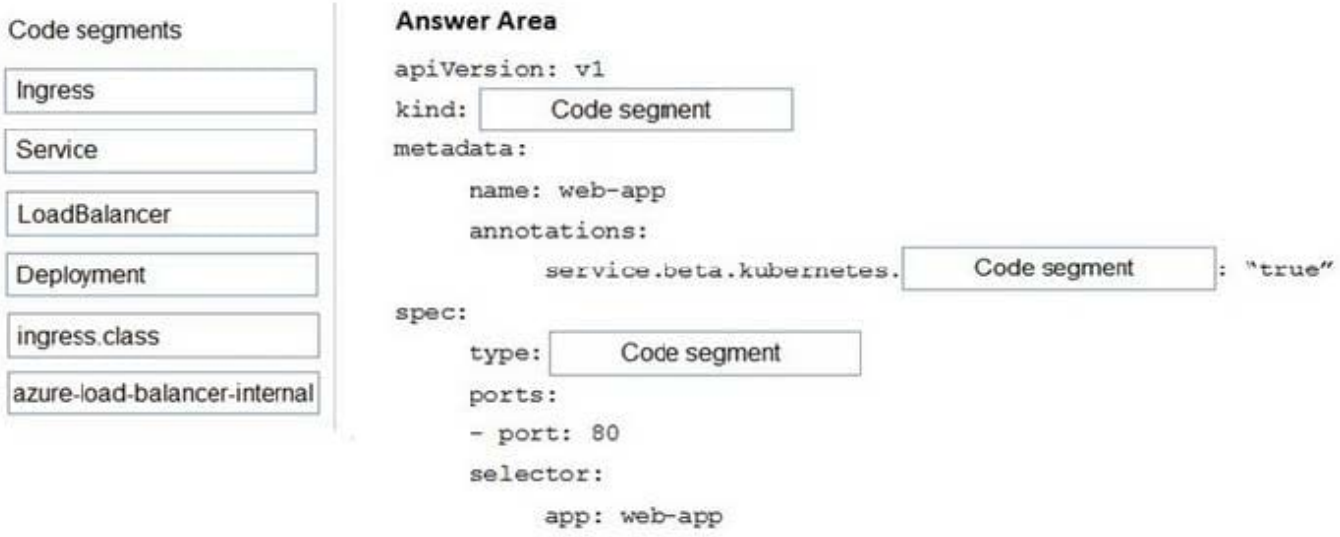
You need to deploy the application.

How should you complete the deployment YAML? To answer, drag the appropriate YAML segments to the correct locations. Each YAML segment may be used once, more than once, or not at all. You may need to drag the split bar between

panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:



Correct Answer:

To create an internal load balancer, create a service manifest named internal-lb.yaml with the service type LoadBalancer and the azure-load-balancer-internal annotation as shown in the following example:

YAML:

apiVersion: v1

kind: Service

metadata:

name: internal-app

annotations:

service.beta.kubernetes.io/azure-load-balancer-internal: "true" spec:

type: LoadBalancer

ports:

-port: 80 selector: app: internal-app

References: https://docs.microsoft.com/en-us/azure/aks/internal-lb

QUESTION 4

DRAG DROP

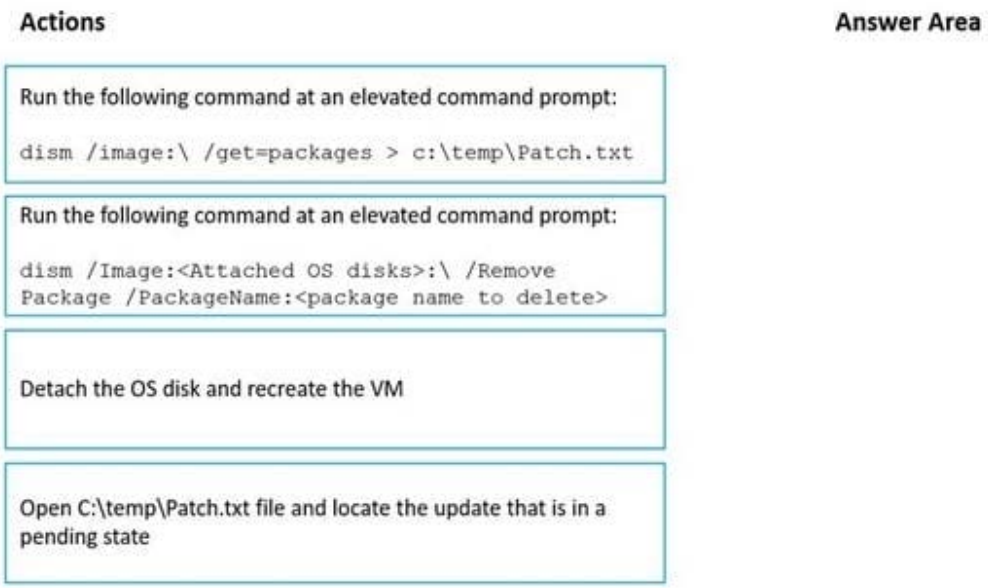
You provision virtual machines (VMs) as development environments.

One VM does not start. The VM is stuck in a Windows update process. You attach the OS disk for the affected VM to a recovery VM.

You need to correct the issue.

In which order should you perform the actions? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:



Correct Answer:

Actions	Answer Area
	Run the following command at an elevated command prompt: `dism /image:\ /get=packages > c:\temp\Patch.txt`
	Open C:\temp\Patch.txt file and locate the update that is in a pending state
	Run the following command at an elevated command prompt: `dism /Image:<Attached OS disks>:\ /Remove Package /PackageName:<package name to delete>`
	Detach the OS disk and recreate the VM

Remove the update that causes the problem

1.

Take a snapshot of the OS disk of the affected VM as a backup.

2.

Attach the OS disk to a recovery VM.

3.

Once the OS disk is attached on the recovery VM, run diskmgmt.msc to open Disk Management, and ensure the attached disk is ONLINE.

4.

(Step 1) Open an elevated command prompt instance (Run as administrator). Run the following command to get the list of the update packages that are on the attached OS disk: dism /image::\ /get-packages > c:\temp\Patch_level

5.

(Step 2) Open the C:\temp\Patch_level.txt file, and then read it from the bottom up. Locate the update that\\'s in Install Pending or Uninstall Pending state.

6.

Remove the update that caused the problem: dism /Image::\ /Remove-Package /PackageName: