



**Microsoft**

## **Exam Questions AZ-204**

Developing Solutions for Microsoft Azure (beta)

NEW QUESTION 1

- (Exam Topic 1)

You need to configure Azure CDN for the Shipping web site.

Which configuration options should you use? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

Option	Value
Tier	<div><div></div><div>Standard</div><div>Premium</div></div>
Profile	<div><div></div><div>Akamai</div><div>Microsoft</div></div>
Optimization	<div><div></div><div>general web delivery</div><div>large file download</div><div>dynamic site acceleration</div><div>video-on-demand media streaming</div></div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Scenario: Shipping website

Use Azure Content Delivery Network (CDN) and ensure maximum performance for dynamic content while minimizing latency and costs.

Tier: Standard Profile: Akamai

Optimization: Dynamic site acceleration

Dynamic site acceleration (DSA) is available for Azure CDN Standard from Akamai, Azure CDN Standard from Verizon, and Azure CDN Premium from Verizon profiles.

DSA includes various techniques that benefit the latency and performance of dynamic content. Techniques include route and network optimization, TCP optimization, and more.

You can use this optimization to accelerate a web app that includes numerous responses that aren't cacheable. Examples are search results, checkout transactions, or real-time data. You can continue to use core Azure CDN caching capabilities for static data.

Reference:

<https://docs.microsoft.com/en-us/azure/cdn/cdn-optimization-overview>

NEW QUESTION 2

- (Exam Topic 1)

You need to correct the VM issues.

Which tools should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Issue	Tool
Backup and Restore	<div>▼</div> <div> Azure Site Recovery Azure Backup Azure Data Box Azure Migrate </div>
Performance	<div>▼</div> <div> Azure Network Watcher Azure Traffic Manager ExpressRoute Accelerated Networking </div>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Backup and Restore: Azure Backup

Scenario: The VM is critical and has not been backed up in the past. The VM must enable a quick restore from a 7-day snapshot to include in-place restore of disks in case of failure.

In-Place restore of disks in IaaS VMs is a feature of Azure Backup. Performance: Accelerated Networking

Scenario: The VM shows high network latency, jitter, and high CPU utilization.

Accelerated networking enables single root I/O virtualization (SR-IOV) to a VM, greatly improving its networking performance. This high-performance path bypasses the host from the datapath, reducing latency, jitter, and CPU utilization, for use with the most demanding network workloads on supported VM types.

References:

<https://azure.microsoft.com/en-us/blog/an-easy-way-to-bring-back-your-azure-vm-with-in-place-restore/>

**NEW QUESTION 3**

- (Exam Topic 3)

You are developing a microservices solution. You plan to deploy the solution to a multinode Azure Kubernetes Service (AKS) cluster.

You need to deploy a solution that includes the following features:

- reverse proxy capabilities
- configurable traffic routing
- TLS termination with a custom certificate

Which components should you use? To answer, drag the appropriate components to the correct requirements. Each component 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.

Answer Area

Components	Action	Component
Helm	Deploy solution.	
Draft		
Brigade	View cluster and external IP addressing.	
KubeCtl		
Ingress Controller	Implement a single, public IP endpoint that is routed to multiple microservices.	
CoreDNS		
Virtual Kubelet		

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Helm  
To create the ingress controller, use Helm to install nginx-ingress. Box 2: kubectl  
To find the cluster IP address of a Kubernetes pod, use the kubectl get pod command on your local machine, with the option -o wide .  
Box 3: Ingress Controller  
An ingress controller is a piece of software that provides reverse proxy, configurable traffic routing, and TLS termination for Kubernetes services. Kubernetes ingress resources are used to configure the ingress rules and routes for individual Kubernetes services.  
Reference:  
<https://docs.microsoft.com/bs-cyrl-ba/azure/aks/ingress-basic> <https://www.digitalocean.com/community/tutorials/how-to-inspect-kubernetes-networking>

NEW QUESTION 4

- (Exam Topic 3)  
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.

Application State	Restorability
Data blob	<div><div></div><div>Can be restored</div><div>Cannot be restored</div></div>
Snapshot 1	<div><div></div><div>Can be restored</div><div>Cannot be restored</div></div>
Snapshot 2	<div><div></div><div>Can be restored</div><div>Cannot be restored</div></div>

- A. Mastered  
B. Not Mastered

**Answer:** A

**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>

**NEW QUESTION 5**

- (Exam Topic 3)

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 question, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

Margie's Travel is an international travel and bookings management service. The company is expanding into restaurant bookings. You are tasked with implementing Azure Search for the restaurants listed in their solution.

You create the index in Azure Search.

You need to import the restaurant data into the Azure Search service by using the Azure Search .NET SDK. Solution:

- \* 1. Create a SearchIndexClient object to connect to the search index.
- \* 2. Create a DataContainer that contains the documents which must be added.
- \* 3. Create a DataSource instance and set its Container property to the DataContainer.
- \* 4. Call the Documents.Suggest method of the SearchIndexClient and pass the DataSource. Does the solution meet the goal?

- A. Yes  
B. No

**Answer:** B

**Explanation:**

Use the following method:

- \* 1. - Create a SearchIndexClient object to connect to the search index
- \* 2. - Create an IndexBatch that contains the documents which must be added.
- \* 3. - Call the Documents.Index method of the SearchIndexClient and pass the IndexBatch. References:

<https://docs.microsoft.com/en-us/azure/search/search-howto-dotnet-sdk>

**NEW QUESTION 6**

- (Exam Topic 3)

You develop a web app that uses tier D1 app service plan by using the Web Apps feature of Microsoft Azure App Service.

Spikes in traffic have caused increases in page load times.

You need to ensure that the web app automatically scales when CPU load is about 85 percent and minimize costs.

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

NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.

**Actions**

**Answer Area**

Configure the web app to the Premium App Service tier.

Configure the web app to the Standard App Service tier.

Enable autoscaling on the web-app.

Add a Scale rule.

Switch to an Azure App Services consumption plan.

Configure a Scale condition.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: Configure the web app to the Standard App Service Tier  
The Standard tier supports auto-scaling, and we should minimize the cost. Step 2: Enable autoscaling on the web app  
First enable autoscale Step 3: Add a scale rule  
Step 4: Add a Scale condition Reference:  
<https://docs.microsoft.com/en-us/azure/monitoring-and-diagnostics/monitoring-autoscale-get-started>

NEW QUESTION 7

- (Exam Topic 3)  
You are developing an app that manages users for a video game. You plan to store the region, email address, and phone number for the player. Some players may not have a phone number. The player's region will be used to load-balance data.  
Data for the app must be stored in Azure Table Storage.  
You need to develop code to retrieve data for an individual player.  
How should you complete the code? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

```
public class PlayerEntity : TableEntity
{
    public PlayerEntity()
    {
    }
    public PlayerEntity(string region, string email)
    {
        PartitionKey =  ;
        RowKey=  ;
    }
    public string Phone { get; set; }
}

public class Player
{
    protected PlayerEntity player;
    async void GetPlayer(string cs,  table, string pk, string rk)
    {
        
        TableEntity query =TableEntity.Retrieve<PlayerEntity>(pk, rk);
        TableOperation query =TableOperation.Retrieve<PlayerEntity>(pk,rk);
        TableResult query =TableQuery.Retrieve<PlayerEntity>(pk,rk);
        TableResultSegment query =TableResult.Retrieve<PlayerEntity>(pk, rk);

        
        TableEntity data =await table.ExecuteAsync(query);
        TableOperation data =await table.ExeucteAsync(query);
        TableQuery data =await table.ExecuteAsync(query);
        TableResult data =await table.ExecuteAsync(query);
        player=data.Result as PlayerEntity;
    }
}
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: region  
The player's region will be used to load-balance data. Choosing the PartitionKey.  
The core of any table's design is based on its scalability, the queries used to access it, and storage operation requirements. The PartitionKey values you choose will dictate how a table will be partitioned and the type of queries that can be used. Storage operations, in particular inserts, can also affect your choice of PartitionKey values.  
Box 2: email  
Not phone number some players may not have a phone number. Box 3: CloudTable  
Box 4 : TableOperation query =.. Box 5: TableResult  
References:  
<https://docs.microsoft.com/en-us/rest/api/storageservices/designing-a-scalable-partitioning-strategy-for-azure-ta>

NEW QUESTION 8

- (Exam Topic 3)  
Your company is migrating applications to Azure. The IT department must allow internal developers to communicate with Microsoft support.

The service agents of the IT department must only have view resources and create support ticket permissions to all subscriptions. A new custom role must be created by reusing a default role definition and changing the permissions.  
You need to create the custom role.  
To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Item	Value
Powershell command	<div><div></div><div>Get-AzureRmRoleDefinition-Name"Reader" ConvertTo-Json Out-File C:\SupportRole.json Get-AzureRmRoleDefinition-Name"Operator" ConvertTo-Json Out-File C:\SupportRole.json Set-AzureRmRoleDefinition-Name"Reader" Input-File C:\SupportRole.json Set-AzureRmRoleDefinition Input-File C:\SupportRole.json</div></div>
Actions section	<div><div></div><div><div>"*/read", "Microsoft.Support/*"</div><div>"*/read"</div><div>"*/", "Microsoft.Support/*"</div><div>"*/"</div></div></div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Set-AzureRmRoleDefinition Input-File C:\SupportRole.json  
The Set-AzureRmRoleDefinition cmdlet updates an existing custom role in Azure Role-Based Access Control. Provide the updated role definition as an input to the command as a JSON file or a PSRoleDefinition object.  
The role definition for the updated custom role MUST contain the Id and all other required properties of the role even if they are not updated: DisplayName, Description, Actions, AssignableScope  
Box 2: "\*/read", "Microsoft.Support/\*" Microsoft.Support/\* Create and manage support tickets "Microsoft.Support" role definition azure

NEW QUESTION 9

- (Exam Topic 3)  
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 are developing an Azure solution to collect point-of-sale (POS) device data from 2,000 stores located throughout the world. A single device can produce 2 megabytes (MB) of data every 24 hours. Each store location has one to five devices that send data.  
You must store the device data in Azure Blob storage. Device data must be correlated based on a device identifier. Additional stores are expected to open in the future.  
You need to implement a solution to receive the device data.  
Solution: Provision an Azure Event Grid. Configure event filtering to evaluate the device identifier. Does the solution meet the goal?

- A. Yes
- B. No

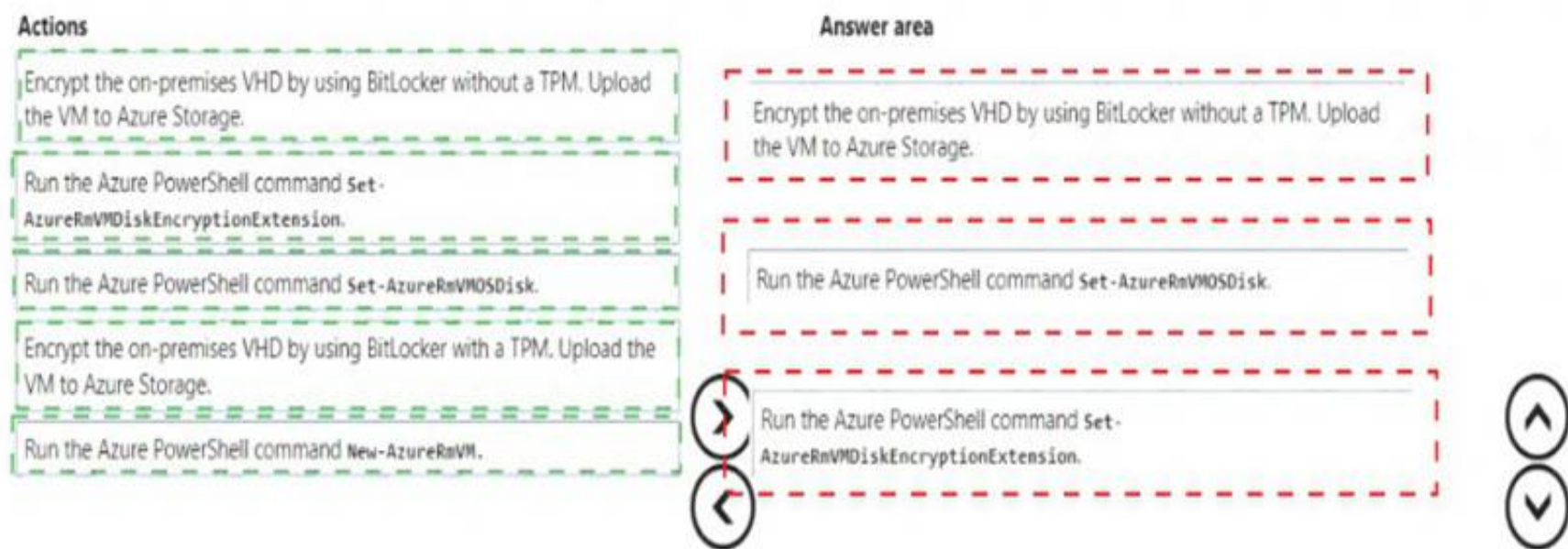
Answer: B

Explanation:

Instead use an Azure Service Bus, which is used order processing and financial transactions.  
Note: An event is a lightweight notification of a condition or a state change. Event hubs is usually used reacting to status changes.  
Reference:  
<https://docs.microsoft.com/en-us/azure/event-grid/compare-messaging-services>

NEW QUESTION 10

- (Exam Topic 3)  
You are preparing to deploy a medical records application to an Azure virtual machine (VM). The application will be deployed by using a VHD produced by an on-premises build server.  
You need to ensure that both the application and related data are encrypted during and after deployment to Azure.  
Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.



- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Step 1: Encrypt the on-premises VHD by using BitLocker without a TPM. Upload the VM to Azure Storage Step 2: Run the Azure PowerShell command Set-AzureRmVMOSDisk

To use an existing disk instead of creating a new disk you can use the Set-AzureRmVMOSDisk command. Example:

```
$osDiskName = $vmname+'_osDisk'
```

```
$osDiskCaching = 'ReadWrite'
```

```
$osDiskVhdUri = "https://$storageName.blob.core.windows.net/vhds/" + $vmname + "_os.vhd"
```

```
$vm = Set-AzureRmVMOSDisk -VM $vm -VhdUri $osDiskVhdUri -name $osDiskName -Create Step 3: Run the Azure PowerShell command Set-AzureRmVMDiskEncryptionExtension
```

Use the Set-AzVMDiskEncryptionExtension cmdlet to enable encryption on a running IaaS virtual machine in Azure.

Incorrect:

Not TPM: BitLocker can work with or without a TPM. A TPM is a tamper resistant security chip on the system board that will hold the keys for encryption and check the integrity of the boot sequence and allows the most secure BitLocker implementation. A VM does not have a TPM.

References:

<https://www.itprotoday.com/iaaspaas/use-existing-vhd-azure-vm>

**NEW QUESTION 10**

- (Exam Topic 3)

Your company is developing an Azure API.

You need to implement authentication for the Azure API. You have the following requirements:

- > All API calls must be secure.
- > Callers to the API must not send credentials to the API. Which authentication mechanism should you use?

- A. Basic
- B. Anonymous
- C. Managed identity
- D. Client certificate

**Answer:** C

**Explanation:**

Use the authentication-managed-identity policy to authenticate with a backend service using the managed identity of the API Management service. This policy essentially uses the managed identity to obtain an access token from Azure Active Directory for accessing the specified resource. After successfully obtaining the token, the policy will set the value of the token in the Authorization header using the Bearer scheme.

Reference:

<https://docs.microsoft.com/bs-cyrl-ba/azure/api-management/api-management-authentication-policies>

**NEW QUESTION 11**

- (Exam Topic 3)

A company develops a series of mobile games. All games use a single leaderboard service. You have the following requirements:

- Code should 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 have the following code. (Line numbers are included for reference only.)

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

```
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         TableOperator.And, TableQuery.GenerateFilterCondition(Email, QueryComparisons.Equal,
07         "ssmith@contoso.com")
08     ));
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.

	Yes	No
The code will work with Cosmos DB.	<input type="radio"/>	<input type="radio"/>
The save score function will update and replace a record if one already exists with the same playerId and gameId.	<input type="radio"/>	<input type="radio"/>
The data for the game will be automatically partitioned.	<input type="radio"/>	<input type="radio"/>
This code will store the values for the gameId and playerId parameters in the database.	<input type="radio"/>	<input type="radio"/>

- A. Mastered  
 B. Not Mastered

**Answer: A**

**Explanation:**

Box 1: Yes

Code for CosmosDB, example:

```
// Parse the connection string and return a reference to the storage account. CloudStorageAccount storageAccount = CloudStorageAccount.Parse(
CloudConfigurationManager.GetSetting("StorageConnectionString"));
```

// Create the table client.

```
CloudTableClient tableClient = storageAccount.CreateCloudTableClient();
```

// Retrieve a reference to the table.

```
CloudTable table = tableClient.GetTableReference("people");
```

```
// Create the TableOperation object that inserts the customer entity. TableOperation insertOperation = TableOperation.Insert(customer1);
```

Box 2: No  
 A new record will always be added as TableOperation.Insert is used, instead of TableOperation.InsertOrReplace.

Box 3: No

No partition key is used. Box 4: Yes

References:

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

**NEW QUESTION 13**

- (Exam Topic 3)

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You create the index in Azure Search.

You need to import the restaurant data into the Azure Search service by using the Azure Search .NET SDK. Solution:

- \* 1. Create a SearchIndexClient object to connect to the search index.
- \* 2. Create a DataContainer that contains the documents which must be added.
- \* 3. Create a DataSource instance and set its Container property to the DataContainer
- \* 4 Call the Documents.Suggest method of the SearchIndexClient and pass the DataSource.

Does the solution meet the goal?

- A. Yes  
 B. No

**Answer: B**

**NEW QUESTION 16**

- (Exam Topic 3)

You provide an Azure API Management managed web service to clients. The back end web service implements HTTP Strict Transport Security (HSTS).

Every request to the backend service must include a valid HTTP authorization header. You need to configure the Azure API Management instance with an authentication policy. Which two policies can you use? Each correct answer presents a complete solution NOTE: Each correct selection is worth one point.

- A. Certificate Authentication  
 B. Basic Authentication  
 C. OAuth Client Credential Grant  
 D. Digest Authentication

Answer: AC

### NEW QUESTION 18

- (Exam Topic 3)

Fourth Coffee has an ASP.NET Core web app that runs in Docker. The app is mapped to the [www.fourthcoffee.com](http://www.fourthcoffee.com) domain.

Fourth Coffee is migrating this application to Azure.

You need to provision an App Service Web App to host this docker image and map the custom domain to the App Service web app.

A resource group named FourthCoffeePublicWebResourceGroup has been created in the WestUS region that contains an App Service Plan named AppServiceLinuxDockerPlan.

Which order should the CLI commands be used to develop the solution? To answer, move all of the Azure CLI command from the list of commands to the answer area and arrange them in the correct order.

#### Azure CLI commands

```
az webapp config hostname add
--webapp-name $appName
--resource-group fourthCoffeePublicWebResourceGroup
--hostname $fqdn
```

```
#!/bin/bash
appName="FourthCoffeePublicWeb$random".
location "WestUS"
dockerHubContainerPath="FourthCoffee/publicweb:v1"
fqdn=http://www.fourthcoffee.com>www.fourthcoffee.com
```

```
az webapp create
--name $appName
--plan AppServiceLinuxDockerPlan
--resource-group fourthCoffeePublicWebResourceGroup
```

```
az webapp config container set
--docker-custom-image-name $dockerHibContainerPath
--name $appName
--resource-group fourthCoffeePublicWebResourceGroup
```

#### Answer area



- A. Mastered
- B. Not Mastered

Answer: A

#### Explanation:

Step 1: #bin/bash

The appName is used when the webapp-name is created in step 2. Step 2: az webapp config hostname add

The webapp-name is used when the webapp is created in step 3. Step 3: az webapp create

Create a web app. In the Cloud Shell, create a web app in the myAppServicePlan App Service plan with the az webapp create command.

Step : az webapp config container set

In Create a web app, you specified an image on Docker Hub in the az webapp create command. This is good enough for a public image. To use a private image, you need to configure your Docker account ID and password in your Azure web app.

In the Cloud Shell, follow the az webapp create command with az webapp config container set.

References:

<https://docs.microsoft.com/en-us/azure/app-service/containers/tutorial-custom-docker-image>

### NEW QUESTION 20

- (Exam Topic 3)

You are developing an application to use Azure Blob storage. You have configured Azure Blob storage to include change feeds.

A copy of your storage account must be created in another region. Data must be copied from the current storage account to the new storage account directly between the storage servers.

You need to create a copy of the storage account in another region and copy the data.

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

## Actions

## Answer Area

Use AZCopy to copy the data to the new storage account.

Deploy the template to create a new storage account in the target region.

Export a Resource Manager template.

Create a new template deployment.

Modify the template by changing the storage account name and region.



- A. Mastered
- B. Not Mastered

**Answer:** A

### Explanation:

To move a storage account, create a copy of your storage account in another region. Then, move your data to that account by using AzCopy, or another tool of your choice.

The steps are:

- > Export a template.
- > Modify the template by adding the target region and storage account name.
- > Deploy the template to create the new storage account.
- > Configure the new storage account.
- > Move data to the new storage account.
- > Delete the resources in the source region.

Note: You must enable the change feed on your storage account to begin capturing and recording changes. You can enable and disable changes by using Azure Resource Manager templates on Portal or Powershell.

Reference:

<https://docs.microsoft.com/en-us/azure/storage/common/storage-account-move> <https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-change-feed>

### NEW QUESTION 22

- (Exam Topic 3)

You are developing a back-end Azure App Service that scales based on the number of messages contained in a Service Bus queue.

A rule already exists to scale up the App Service when the average queue length of unprocessed and valid queue messages is greater than 1000.

You need to add a new rule that will continuously scale down the App Service as long as the scale up condition is not met.

How should you configure the Scale rule? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

## Answer Area

Scale rule ×

Metric source

Storage queue  
Service Bus queue  
Current resource  
Storage queue (classic)

Resource type

Service Bus Namespaces

Resource

MessageQueue1103

Queues

itemqueue

Criteria

Metric name

Message Count  
Active Message Count

Time grain statistic

1 minute time grain

Total  
Maximum  
Average  
Count

Greater than  
Greater than or equal to  
Less than  
Less than or equal to

Threshold

1000

Action

Operation

Increase count by  
Increase count to  
Decrease count by  
Decrease count to

Instance count

1

Cool down (minutes)

5

- A. Mastered
- B. Not Mastered

Answer: A

### Explanation:

Box 1: Service bus queue

You are developing a back-end Azure App Service that scales based on the number of messages contained in a Service Bus queue.

Box 2: ActiveMessage Count

ActiveMessageCount: Messages in the queue or subscription that are in the active state and ready for delivery. Box 3: Count

Box 4: Less than or equal to

You need to add a new rule that will continuously scale down the App Service as long as the scale up condition is not met.

Box 5: Decrease count by

#### NEW QUESTION 25

- (Exam Topic 3)

A company is developing a mobile app for field service employees using Azure App Service Mobile Apps as the backend.

The company's network connectivity varies throughout the day. The solution must support offline use and synchronize changes in the background when the app is online app.

You need to implement the solution.

How should you complete the code segment? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

```
var client = new MobileServiceClient("MOBILE_APP_URL");
var store = new MobileServiceSQLiteStore
(Constants.OfflineDbPath);
store.DefineTable<TodoItem>();
await client.SyncContext.InitializeAsync(store);
```

var todoTable = client.GetSyncTable<TodoItem>();  
var todoTable = client.GetTable<TodoItem>();  
var todoTable = client.SyncTable;  
var todoTable = client.Table;

await client.SyncContext.PushAsync();

await todoTable.PullAsync("allTodoItems",todoTable.CreateQuery());  
await todoTable.UpdateAsync();  
todoTable.PullAsync("allTodoItems", todoTable.CreateQuery());  
todoTable.UpdateAsync();

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

Box 1: var todoTable = client GetSyncTable<TodoItem>()

To setup offline access, when connecting to your mobile service, use the method GetSyncTable instead of GetTable (example):

IMobileServiceSyncTable todoTable = App.MobileService.GetSyncTable(); / Box 2: await todoTable.PullAsync("allTodoItems",todo.Table.CreateQuery());

Your app should now use IMobileServiceSyncTable (instead of IMobileServiceTable) for CRUD operations. This will save changes to the local database and also keep a log of the changes. When the app is ready to synchronize its changes with the Mobile Service, use the methods PushAsync and PullAsync (example):

await App.MobileService.SyncContext.PushAsync(); await todoTable.PullAsync();

References:

<https://azure.microsoft.com/es-es/blog/offline-sync-for-mobile-services/>

#### NEW QUESTION 27

- (Exam Topic 3)

You are developing a solution that will use Azure messaging services.

You need to ensure that the solution uses a publish-subscribe model and eliminates the need for constant polling.

What are two possible ways to achieve the goal? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Service Bus
- B. Event Hub
- C. Event Grid
- D. Queue

**Answer:** AC

#### Explanation:

It is strongly recommended to use available messaging products and services that support a publish-subscribe model, rather than building your own. In Azure, consider using Service Bus or Event Grid. Other technologies that can be used for pub/sub messaging include Redis, RabbitMQ, and Apache Kafka.

Reference:

<https://docs.microsoft.com/en-us/azure/architecture/patterns/publisher-subscriber>

#### NEW QUESTION 28

- (Exam Topic 3)

You develop a serverless application using several Azure Functions. These functions connect to data from within the code.

You want to configure tracing for an Azure Function App project. You need to change configuration settings in the hostjson file. Which tool should you use?

- A. Azure portal
- B. Azure PowerShell
- C. Azure Functions Core Tools (Azure CLI)
- D. Visual Studio

**Answer:** A

**Explanation:**

The function editor built into the Azure portal lets you update the function.json file and the code file for a function. The host.json file, which contains some runtime-specific configurations, is in the root folder of the function app.

References:

<https://docs.microsoft.com/en-us/azure/azure-functions/functions-reference#fileupdate>

**NEW QUESTION 32**

- (Exam Topic 3)

A company uses Azure SQL Database to store data for an app. The data includes sensitive information.

You need to implement measures that allow only members of the managers group to see sensitive information. Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Include the managers group.
- B. Exclude the managers group.
- C. Exclude the administrators group.
- D. Navigate to the following URL:  
`PUT https://management.azure.com/subscriptions/00000000-1111-2222-3333-444444444444  
/resourceGroups/rg01/providers/Microsoft.Sql/servers/server01/databases/customers  
/transparentDataEncryption/current?api-version=2014-04-01`
- E. Run the following Azure PowerShell command:  
`New-AzureRmSqlDatabaseDataMaskingRule -SchemaName "dbo" -TableName "customers" -  
-ColumnName "ssn" -MaskingFunction "Default"`

- A. Option A
- B. Option B
- C. Option C
- D. Option D
- E. Option E

**Answer:** BE

**Explanation:**

Dynamic data masking helps prevent unauthorized access to sensitive data by enabling customers to designate how much of the sensitive data to reveal with minimal impact on the application layer.

SQL users excluded from masking - A set of SQL users or AAD identities that get unmasked data in the SQL query results.

Note: The New-AzureRmSqlDatabaseDataMaskingRule cmdlet creates a data masking rule for an Azure SQL database.

References:

<https://docs.microsoft.com/en-us/powershell/module/azurermsql/new-azurermsqldatabasedatamaskingrule?view>

**NEW QUESTION 33**

- (Exam Topic 3)

A company runs an international travel and bookings management service. The company plans to begin offering restaurant bookings. You must develop a solution that uses Azure Search and meets the following requirements:

- Users must be able to search for restaurants by name, description, location, and cuisine.
- Users must be able to narrow the results further by location, cuisine, rating, and family-friendliness.
- All words in descriptions must be included in searches. You need to add annotations to the restaurant class.

How should you complete the code segment? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

```
[SerializePropertyNameAsCamelCase]
public class Restaurant
{
    [Key, IsFilterable]
    public int RestaurantId { get; set; }
    [IsSearchable, IsFilterable, IsSortable]
    public string Name { get; set; }

    [IsSearchable.IsFilterable.IsSortable, IsFacetable]
    [IsFilterable.IsFacetable, Required]
    [IsSearchable]
    [IsSearchable, Required]

    public string location { get; set; }
    public string Phone { get; set; }

    [Required]
    [IsSearchable]
    [IsFilterable, IsFacetable, Required]
    [IsFilterable, IsFacetable, IsSortable]

    public string Description { get; set; }

    [IsFilterable, IsSortable, IsSearchable]
    [IsFilterable, IsSortable, IsFacetable]
    [IsFilterable, IsSortable, Key]
    [IsFilterable, IsSortable, IsSearchable, Required]

    public double Rating { get; set; }

    [IsSearchable, IsFilterable, IsFacetable]
    [IsFilterable, IsSortable, Key]
    [IsFilterable, IsSortable, IsSearchable]
    [IsFilterable, IsSortable, Key, Required]

    public List<string> Cuisines { get; set; }

    [IsFilterable, IsSortable, Key, Required]
    [IsSearchable, IsSortable, IsFacetable]
    [IsFilterable, IsSortable, Key, IsSearchable]
    [IsFilterable, IsFacetable]

    public bool FamilyFriendly { get; set; }
}
```

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: [IsSearchable.IsFilterable.IsSortable,IsFacetable] Location

Users must be able to search for restaurants by name, description, location, and cuisine.

Users must be able to narrow the results further by location, cuisine, rating, and family-friendliness. Box 2: [IsSearchable.IsFilterable.IsSortable,Required] Description

Users must be able to search for restaurants by name, description, location, and cuisine. All words in descriptions must be included in searches.

Box 3: [IsFilterable,IsSortable,IsFaceTable] Rating

Users must be able to narrow the results further by location, cuisine, rating, and family-friendliness. Box 4: [IsSearchable.IsFilterable,IsFacetable]

Cuisines

Users must be able to search for restaurants by name, description, location, and cuisine.

Users must be able to narrow the results further by location, cuisine, rating, and family-friendliness. Box 5: [IsFilterable,IsFacetable]

FamilyFriendly

Users must be able to narrow the results further by location, cuisine, rating, and family-friendliness. References:

<https://www.henkboelman.com/azure-search-the-basics/>

**NEW QUESTION 38**

- (Exam Topic 3)

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 permission on the containers that store photographs. You assign users to RBAC role.

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 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.

Settings

client\_id

delegated

profile

application

user\_impersonation

Answer Area

API	Permission	Type
Azure Storage	Setting	Setting
Microsoft Graph	User.Read	Setting

- A. Mastered  
 B. Not Mastered

Answer: A

#### Explanation:

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

References:

<https://docs.microsoft.com/en-us/samples/azure-samples/active-directory-dotnet-webapp-webapi-openidconnect>

#### NEW QUESTION 39

- (Exam Topic 3)

You are working for Contoso, Ltd.

You define an API Policy object by using the following XML markup:

```
<set-variable name= "bodySize" value="@ (context.Request.Headers["Content-Length"] [0])"/>
<choose>
  <when condition= "@ (int.Parse(context.Variables.GetValueOrDefault<string> ("bodySize"))<512000)">
</when>
<otherwise>
  <rewrite-uri template= "/put"/>
  <set-backend-service base-url= "http://contoso.com/api/9.1"/>
</otherwise>
</choose>
```

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

NOTE: Each correct selection is worth one point.

Answer Area

Statement	Yes	No
The XML segment belongs in the <inbound> section of the policy.	<input type="radio"/>	<input type="radio"/>
If the body size is >256k, an error will occur.	<input type="radio"/>	<input type="radio"/>
If the request is http://contoso.com/api/9.2/, the policy will retain the higher version.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Yes  
Use the set-backend-service policy to redirect an incoming request to a different backend than the one specified in the API settings for that operation. Syntax: <set-backend-service base-url="base URL of the backend service" />  
Box 2: No  
The condition is on 512k, not on 256k. Box 3: No  
The set-backend-service policy changes the backend service base URL of the incoming request to the one specified in the policy.  
Reference:  
<https://docs.microsoft.com/en-us/azure/api-management/api-management-transformation-policies>

NEW QUESTION 41

- (Exam Topic 3)  
You plan to deploy a web app to App Service on Linux. You create an App Service plan. You create and push a custom Docker image that image that contains the web app to Azure Container Registry.  
You need to access the console logs generated from inside the container in real-time.  
How should you complete the Azure CLI command? To answer, select the appropriate options in the answer area.  
NOTE: Each correct selection is worth one point.

az webapp log

▼

config

download

show

tail

▼

filesystem

--web-server-logging

--docker-container-logging

--application-logging

az

▼

log

▼

webapp

acr

aks

▼

config

download

show

tail

▼

--name ContosoWeb --resource-group ContosoDevRG

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: config

To Configure logging for a web app use the command: az webapp log config  
 Box 2: --docker-container-logging Syntax include:  
 az webapp log config [--docker-container-logging {filesystem, off}] Box 3: webapp  
 To download a web app's log history as a zip file use the command: az webapp log download  
 Box 4: download References:  
<https://docs.microsoft.com/en-us/cli/azure/webapp/log>

#### NEW QUESTION 45

- (Exam Topic 3)

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: Deploy and configure Azure Cache for Redis. Update the web applications.

Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

#### NEW QUESTION 46

- (Exam Topic 3)

You are deploying an Azure Kubernetes Services (AKS) cluster that will use multiple containers.

You need to create the cluster and verify that the services for the containers are configured correctly and available.

Which four commands should you use to develop the solution? To answer, move the appropriate command segments from the list of command segments to the answer area and arrange them in the correct order.

#### Command segments

az aks get-credentials

az appservice plan create

az aks create

az group create

kubectl apply

#### Answer Area



- A. Mastered
- B. Not Mastered

Answer: A

#### Explanation:

Step 1: az group create

Create a resource group with the az group create command. An Azure resource group is a logical group in which Azure resources are deployed and managed.

Example: The following example creates a resource group named myAKSCluster in the eastus location. az group create --name myAKSCluster --location eastus

Step 2 : az aks create

Use the az aks create command to create an AKS cluster. Step 3: kubectl apply

To deploy your application, use the kubectl apply command. This command parses the manifest file and creates the defined Kubernetes objects.

Step 4: az aks get-credentials

Configure it with the credentials for the new AKS cluster. Example:

az aks get-credentials --name aks-cluster --resource-group aks-resource-group References:

<https://docs.bitnami.com/azure/get-started-aks/>

#### NEW QUESTION 49

- (Exam Topic 3)

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.

Margie's Travel is an international travel and bookings management service. The company is expanding into restaurant bookings. You are tasked with implementing Azure Search for the restaurants listed in their solution You create the index in Azure Search.

You need to import the restaurant data into the Azure Search service by using the Azure Search NET SDK. Solution:

- \* 1 Create a SearchIndexClient object to connect to the search index
- \* 2. Create an IndexBatch that contains the documents which must be added.
- \* 3. Call the Documents.Index method of the SearchIndexClient and pass the IndexBatch..

Does the solution meet the goal?

- A. Yes
- B. No

**Answer:** A

**Explanation:**

\* 1. The index needs to be populated. To do this, we will need a SearchIndexClient. There are two ways to obtain one: by constructing it, or by calling Indexes.GetClient on the SearchServiceClient. Here we will use the first method.

\* 2. Create the indexBatch with the documents Something like:

```
var hotels = new Hotel[];  
{  
    new Hotel()  
    {  
        HotelId = "3",  
        BaseRate = 129.99,  
        Description = "Close to town hall and the river"  
    }  
};  
...
```

```
var batch = IndexBatch.Upload(hotels);
```

\* 3. The next step is to populate the newly-created index Example:

```
var batch = IndexBatch.Upload(hotels); try  
{  
    indexClient.Documents.Index(batch);  
}
```

References:

<https://docs.microsoft.com/en-us/azure/search/search-howto-dotnet-sdk>

**NEW QUESTION 52**

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