

## AZ-204 Dumps

### Developing Solutions for Microsoft Azure (beta)

<https://www.certleader.com/AZ-204-dumps.html>



### NEW QUESTION 1

- (Exam Topic 1)

You need to secure the Shipping Logic App. What should you use?

- A. Azure App Service Environment (ASE)
- B. Azure AD B2B integration
- C. Integration Service Environment (ISE)
- D. VNet service endpoint

**Answer: C**

#### Explanation:

Scenario: The Shipping Logic App requires secure resources to the corporate VNet and use dedicated storage resources with a fixed costing model.

You can access to Azure Virtual Network resources from Azure Logic Apps by using integration service environments (ISEs).

Sometimes, your logic apps and integration accounts need access to secured resources, such as virtual machines (VMs) and other systems or services, that are inside an Azure virtual network. To set up this access, you can create an integration service environment (ISE) where you can run your logic apps and create your integration accounts.

References:

<https://docs.microsoft.com/en-us/azure/logic-apps/connect-virtual-network-vnet-isolated-environment-overview>

### NEW QUESTION 2

- (Exam Topic 1)

You need to migrate on-premises shipping data to Azure. What should you use?

- A. Azure Migrate
- B. Azure Cosmos DB Data Migration tool (dt.exe)
- C. AzCopy
- D. Azure Database Migration service

**Answer: D**

#### Explanation:

Migrate from on-premises or cloud implementations of MongoDB to Azure Cosmos DB with minimal downtime by using Azure Database Migration Service.

Perform resilient migrations of MongoDB data at scale and with high reliability.

Scenario: Data migration from on-premises to Azure must minimize costs and downtime.

The application uses MongoDB JSON document storage database for all container and transport information. References:

<https://azure.microsoft.com/en-us/updates/mongodb-to-azure-cosmos-db-online-and-offline-migrations-are-now>

### NEW QUESTION 3

- (Exam Topic 1)

You need to support the message processing for the ocean transport workflow.

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.

#### Actions

#### Answer Area

Create an integration account in the Azure portal.

Link the custom connector to the Logic App.

Update the Logic App to use the partners, schemas, certificates, maps, and agreements.

Create a custom connector for the Logic App.

Add partners, schemas, certificates, maps, and agreements.

Link the Logic App to the integration account.



- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Step 1: Create an integration account in the Azure portal

You can define custom metadata for artifacts in integration accounts and get that metadata during runtime for your logic app to use. For example, you can provide metadata for artifacts, such as partners, agreements, schemas, and maps - all store metadata using key-value pairs.

Step 2: Link the Logic App to the integration account

A logic app that's linked to the integration account and artifact metadata you want to use. Step 3: Add partners, schemas, certificates, maps, and agreements

Step 4: Create a custom connector for the Logic App. References:

<https://docs.microsoft.com/bs-latn-ba/azure/logic-apps/logic-apps-enterprise-integration-metadata>

**NEW QUESTION 4**

- (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

	▼
Standard	
Premium	

Profile

	▼
Akamai	
Microsoft	

Optimization

	▼
general web delivery	
large file download	
dynamic site acceleration	
video-on-demand media streaming	

- 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 5**

- (Exam Topic 1)

You need to configure Azure App Service to support the REST API requirements.

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

NOTE: Each correct selection is worth one point.

Setting	Value
Plan	<div>▼</div> <div>Basic</div> <div>Standard</div> <div>Premium</div> <div>Isolated</div>
Instance Count	<div>▼</div> <div>1</div> <div>10</div> <div>20</div> <div>100</div>

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

Plan: Standard

Standard support auto-scaling Instance Count: 10

Max instances for standard is 10. Scenario:

The REST API's that support the solution must meet the following requirements:

- Allow deployment to a testing location within Azure while not incurring additional costs.
- Automatically scale to double capacity during peak shipping times while not causing application downtime.
- Minimize costs when selecting an Azure payment model. References:

<https://azure.microsoft.com/en-us/pricing/details/app-service/plans/>

**NEW QUESTION 6**

- (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</div> <div>Azure Backup</div> <div>Azure Data Box</div> <div>Azure Migrate</div>
Performance	<div>▼</div> <div>Azure Network Watcher</div> <div>Azure Traffic Manager</div> <div>ExpressRoute</div> <div>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 7**

- (Exam Topic 3)

You develop a web application.

You need to register the application with an active Azure Active Directory (Azure AD) tenant.

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

**Actions**

**Answer Area**

Select **Manifest** from the middle-tier service registration.

In Enterprise Applications, select **New application**.

Add a Cryptographic key.

Create a new application and provide the name, account type, and redirect URL

Select the Azure AD instance.

Use an access token to access the secure resource.

In App Registrations, select **New registration**.



- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Register a new application using the Azure portal

- Sign in to the Azure portal using either a work or school account or a personal Microsoft account.
  - If your account gives you access to more than one tenant, select your account in the upper right corner.
- Set your portal session to the Azure AD tenant that you want.
- Search for and select Azure Active Directory. Under Manage, select App registrations.
  - Select New registration. (Step 1)
  - In Register an application, enter a meaningful application name to display to users.
  - Specify who can use the application. Select the Azure AD instance. (Step 2)
  - Under Redirect URI (optional), select the type of app you're building: Web or Public client (mobile & desktop). Then enter the redirect URI, or reply URL, for your application. (Step 3)
  - When finished, select Register.

**NEW QUESTION 8**

- (Exam Topic 3)

You use Azure Table storage to store customer information for an application. The data contains customer details and is partitioned by last name. You need to create a query that returns all customers with the last name Smith. Which code segment should you use?

- A. `TableQuery.GenerateFilterCondition("PartitionKey", Equals, "Smith")`
- B. `TableQuery.GenerateFilterCondition("LastName", Equals, "Smith")`
- C. `TableQuery.GenerateFilterCondition("PartitionKey", QueryComparisons.Equal, "Smith")`
- D. `TableQuery.GenerateFilterCondition("LastName", QueryComparisons.Equal, "Smith")`

Answer: C

**Explanation:**

Retrieve all entities in a partition. The following code example specifies a filter for entities where 'Smith' is the partition key. This example prints the fields of each entity in the query results to the console.

Construct the query operation for all customer entities where PartitionKey="Smith".  
TableQuery<CustomerEntity> query = new TableQuery<CustomerEntity>().Where(TableQuery.GenerateFilterCondition("PartitionKey", QueryComparisons.Equal, "Smith"));

References:

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

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

You are developing a website that will run as an Azure Web App. Users will authenticate by using their Azure Active Directory (Azure AD) credentials.

You plan to assign users one of the following permission levels for the website: admin, normal, and reader. A user's Azure AD group membership must be used to determine the permission level. You need to configure authorization.

Solution: Configure the Azure Web App for the website to allow only authenticated requests and require Azure AD log on.

Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

**Explanation:**

Instead in the Azure AD application's manifest, set value of the groupMembershipClaims option to All. References:

<https://blogs.msdn.microsoft.com/waws/2017/03/13/azure-app-service-authentication-aad-groups/>

**NEW QUESTION 10**

- (Exam Topic 3)

A company is developing a Java web app. The web app code is hosted in a GitHub repository located at <https://github.com/Contoso/webapp>.

The web app must be evaluated before it is moved to production. You must deploy the initial code release to a deployment slot named staging.

You need to create the web app and deploy the code.

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

gitrepo=https://github.com/Contoso/webapp

webappname=businesswebapp

resourcegroupname=BusinessAppResourceGroup

az

group

webapp

appservice plan

webapp deployment slot

webapp deployment source

create --location centralus - -name \$resourcegroupname

create --name \$webappname - -resource-group \$resourcegroupname

- -sku S3

create --name \$webappname - -resource-group \$resourcegroupname

\ - -plan \$webappname

create --name \$webappname - -resource-group \$resourcegroupname

\ - -slot staging

az

group

webapp

appservice plan

webapp deployment slot

webapp deployment source

config - -name \$webappname - -resource-group \$resourcegroupname

\ - -slot staging - -repo-url

\$gitrepo - -branch master - -manual-integration

az

group

webapp

appservice plan

webapp deployment slot

webapp deployment source

az

group

webapp

appservice plan

webapp deployment slot

webapp deployment source

az

group

webapp

appservice plan

webapp deployment slot

webapp deployment source

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: group  
# Create a resource group.  
az group create --location westeurope --name myResourceGroup  
Box 2: appservice plan  
# Create an App Service plan in STANDARD tier (minimum required by deployment slots). az appservice plan create --name \$webappname --resource-group myResourceGroup --sku S1  
Box 3: webapp  
# Create a web app.  
az webapp create --name \$webappname --resource-group myResourceGroup \ --plan \$webappname  
Box 4: webapp deployment slot  
#Create a deployment slot with the name "staging".  
az webapp deployment slot create --name \$webappname --resource-group myResourceGroup \ --slot staging  
Box 5: webapp deployment source  
# Deploy sample code to "staging" slot from GitHub.  
az webapp deployment source config --name \$webappname --resource-group myResourceGroup \ --slot staging --repo-url \$gitrepo --branch master --manual-integration  
References:  
<https://docs.microsoft.com/en-us/azure/app-service/scripts/cli-deploy-staging-environment>

NEW QUESTION 10

- (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		
Draft	Deploy solution.	
Brigade		
KubeCtl	View cluster and external IP addressing.	
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 14

- (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: Add the web applications to Docker containers. Deploy the containers. Deploy the containers to Azure Kubernetes Service (AKS).

Does the solution meet the goal?

- A. Yes
- B. No

**Answer: B**

**Explanation:**

Instead use Azure Cache for Redis.

Note: Azure Cache for Redis provides a session state provider that you can use to store your session state in-memory with Azure Cache for Redis instead of a SQL Server database. To use the caching session state provider, first configure your cache, and then configure your ASP.NET application for cache using the Azure Cache for Redis Session State NuGet package.

References:

<https://docs.microsoft.com/en-us/azure/azure-cache-for-redis/cache-aspnet-session-state-provider>

**NEW QUESTION 16**

- (Exam Topic 3)

You are developing a project management service by using ASP.NET. The service hosts conversations, files, to-do lists, and a calendar that users can interact with at any time.

The application uses Azure Search for allowing users to search for keywords in the project data.

You need to implement code that creates the object which is used to create indexes in the Azure Search service.

Which two objects should you use? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. SearchService
- B. SearchIndexClient
- C. SearchServiceClient
- D. SearchCredentials

**Answer: BC**

**Explanation:**

The various client libraries define classes like Index, Field, and Document, as well as operations like Indexes.Create and Documents.Search on the SearchServiceClient and SearchIndexClient classes.

Example:

The sample application we'll be exploring creates a new index named "hotels", populates it with a few documents, then executes some search queries. Here is the main program, showing the overall flow:

/ This sample shows how to delete, create, upload documents and query an index static void Main(string[] args)

```
{  
IConfigurationBuilder builder = new ConfigurationBuilder().AddJsonFile("appsettings.json"); IConfigurationRoot configuration = builder.Build();  
SearchServiceClient serviceClient = CreateSearchServiceClient(configuration); Console.WriteLine("{0}", "Deleting index...\n");  
DeleteHotelsIndexIfExists(serviceClient);  
Console.WriteLine("{0}", "Creating index...\n"); CreateHotelsIndex(serviceClient);  
ISearchIndexClient indexClient = serviceClient.Indexes.GetClient("hotels");  
References:  
https://docs.microsoft.com/en-us/azure/search/search-howto-dotnet-sdk
```

**NEW QUESTION 21**

- (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 23

- (Exam Topic 3)

You develop an app that allows users to upload photos and videos to Azure storage. The app uses a storage REST API call to upload the media to a blob storage account named Account1. You have blob storage containers named Container1 and Container2. Uploading of videos occurs on an irregular basis. You need to copy specific blobs from Container1 to Container2 in real time when specific requirements are met, excluding backup blob copies. What should you do?

- A. Download the blob to a virtual machine and then upload the blob to Container2.
- B. Run the Azure PowerShell command Start-AzureStorageBlobCopy.
- C. Copy blobs to Container2 by using the Put Blob operation of the Blob Service REST API.
- D. Use AzCopy with the Snapshot switch blobs to Container2.

**Answer:** B

### Explanation:

The Start-AzureStorageBlobCopy cmdlet starts to copy a blob. Example 1: Copy a named blob

C:\PS>Start-AzureStorageBlobCopy -SrcBlob "ContosoPlanning2015" -DestContainer "ContosoArchives"

-SrcContainer "ContosoUploads"

This command starts the copy operation of the blob named ContosoPlanning2015 from the container named ContosoUploads to the container named ContosoArchives.

References:

<https://docs.microsoft.com/en-us/powershell/module/azure.storage/start-azurestorageblobcopy?view=azurermps>

### NEW QUESTION 28

- (Exam Topic 3)

You are a developer for a SaaS company that offers many web services. All web services for the company must meet the following requirements:

- > Use API Management to access the services
- > Use OpenID Connect for authentication
- > Prevent anonymous usage

A recent security audit found that several web services can be called without any authentication. Which API Management policy should you implement?

- A. jsonp
- B. authentication-certificate

C. check-header  
D. validate-jwt

**Answer:** D

**Explanation:**

Add the validate-jwt policy to validate the OAuth token for every incoming request. Reference:

<https://docs.microsoft.com/en-us/azure/api-management/api-management-howto-protect-backend-with-aad>

**NEW QUESTION 31**

- (Exam Topic 3)

You are developing a data storage solution for a social networking app.

The solution requires a mobile app that stores user information using Azure Table Storage.

You need to develop code that can insert multiple sets of user information.

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

```
CloudStorageAccount storageAccount = CloudStorageAccount.Parse(  
    ConfigurationManager.GetSetting("StorageConnectionString"));  
CloudTableClient tableClient = storageAccount.CreateCloudTableClient();  
CloudTable table = tableClient.GetTableReference("clients");  
Table.CreateIfNotExists();
```

	▼	op = new		▼	() ;
TableOperation					
TableBatchOperaton					
TableEntity					
TableQuery					

...

table.	▼	(op) ;
ExecuteBatch		
Execute		
Insert		
InsertOrMerge		

A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

Box 1, Box 2: TableBatchOperation Create the batch operation.

TableBatchOperation op = new TableBatchOperation(); Box 3: ExecuteBatch

/ Execute the batch operation. table.ExecuteBatch(op);

Note: You can insert a batch of entities into a table in one write operation. Some other notes on batch operations:

You can perform updates, deletes, and inserts in the same single batch operation. A single batch operation can include up to 100 entities.

All entities in a single batch operation must have the same partition key.

While it is possible to perform a query as a batch operation, it must be the only operation in the batch. References:

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

**NEW QUESTION 33**

- (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 SearchServiceClient 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. Set the DataSource property of the SearchServiceClient 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 37

- (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 40

- (Exam Topic 3)

You develop a news and blog content delivery app for Windows devices.

A notification must arrive on a user's device when there is a new article available for them to view. You need to implement push notifications.

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.

#### Answer Area

```
string notificationHubName = "contoso_hub";
string notificationHubConnection = "connection_string";

// hub=
NotificationHubClient
NotificationHubClientSettings
NotificationHubJob
NotificationDetails

//
NotificationHubClient
NotificationHubClientSettings
NotificationHubJob
NotificationDetails

//
GetInstallation
CreateClientFromConnectionString
CreateOrUpdateInstallation
PatchInstallation

(notificationHubConnection, notificationHubName);
string windowsToastPayload =
@"<toast><visual><binding template=""ToastText01""><text id=""1"">" +
@"New item to view" + @"</text></binding></visual></toast>";
try
{
    var result=
        await hub.
            (windowsToastPayload);
    SendWindowsNativeNotificationAsync
    SubmitNotificationHubJobAsync
    ScheduleNotificationAsync
    SendAppleNativeNotificationAsync
}
catch (System.Exception ex)
{
    . . .
}
```

A. Mastered

B. Not Mastered

**Answer: A**

#### Explanation:

Box 1: NotificationHubClient

Box 2: NotificationHubClient

Box 3: CreateClientFromConnectionString

// Initialize the Notification Hub



NotificationHubClient hub = NotificationHubClient.CreateClientFromConnectionString(listenConnString, hubName);  
Box 4: SendWindowsNativeNotificationAsync Send the push notification.  
var result = await hub.SendWindowsNativeNotificationAsync(windowsToastPayload);  
References:  
<https://docs.microsoft.com/en-us/azure/notification-hubs/notification-hubs-push-notification-registration-manag>  
<https://github.com/MicrosoftDocs/azure-docs/blob/master/articles/app-service-mobile/app-service-mobile-windo>

#### NEW QUESTION 41

- (Exam Topic 3)

You are building a website to access project data related to terms within your organization. The website does not allow anonymous access. Authentication performed using an Azure Active Directory (Azure AD) app named internal.

The website has the following authentication requirements:

- Azure AD users must be able to login to the website.
- Personalization of the website must be based on membership in Active Directory groups. You need to configure the application's manifest to meet the authentication requirements.

How should you configure the manifest? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

```
{
  ...
  "appId": "d61126e3-089b-4adb-b721-d5023213df7d",
  : "All",
  "optionalClaims"
  "groupMembershipClaims"
  : true
  "allowPublicClient"
  "oauth2Permissions"
  "requiredResourceAccess"
  "oauth2AllowImplicitFlow"
  ...
}
```

- A. Mastered  
B. Not Mastered

**Answer: A**

#### Explanation:

Box 1: groupMembershipClaims

Scenario: Personalization of the website must be based on membership in Active Directory groups. Group claims can also be configured in the Optional Claims section of the Application Manifest. Enable group membership claims by changing the groupMembershipClaim

The valid values are: "All" "SecurityGroup" "DistributionList" "DirectoryRole"

Box 2: oauth2Permissions

Scenario: Azure AD users must be able to login to the website.

oauth2Permissions specifies the collection of OAuth 2.0 permission scopes that the web API (resource) app exposes to client apps. These permission scopes may be granted to client apps during consent.

#### NEW QUESTION 44

- (Exam Topic 3)

You are a developer for a software as a service (SaaS) company that uses an Azure Function to process orders. The Azure Function currently runs on an Azure Function app that is triggered by an Azure Storage queue.

You are preparing to migrate the Azure Function to Kubernetes using Kubernetes-based Event Driven Autoscaling (KEDA).

You need to configure Kubernetes Custom Resource Definitions (CRD) for the Azure Function.

Which CRDs should you configure? To answer, drag the appropriate CRD types to the correct locations. Each CRD type 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

CRD types	Setting	CRD type
Secret	Azure Function code	
Deployment		
ScaledObject	Polling interval	
TriggerAuthentication	Azure Storage connection string	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Deployment

To deploy Azure Functions to Kubernetes use the func kubernetes deploy command has several attributes that directly control how our app scales, once it is deployed to Kubernetes.

Box 2: ScaledObject

With --polling-interval, we can control the interval used by KEDA to check Azure Service Bus Queue for messages.

Example of ScaledObject with polling interval apiVersion: keda.k8s.io/v1alpha1

kind: ScaledObject metadata:

name: transformer-fn namespace: tt

labels:

deploymentName: transformer-fn spec:

scaleTargetRef: deploymentName: transformer-fn pollingInterval: 5

minReplicaCount: 0

maxReplicaCount: 100

Box 3: Secret

Store connection strings in Kubernetes Secrets. Example: to create the Secret in our demo Namespace:

# create the k8s demo namespace kubectl create namespace tt

# grab connection string from Azure Service Bus KEDA\_SCALER\_CONNECTION\_STRING=\$(az servicebus queue authorization-rule keys list \

-g \$RG\_NAME \

--namespace-name \$SBN\_NAME \

--queue-name inbound \

-n keda-scaler \

--query "primaryConnectionString" \

-o tsv)

# create the kubernetes secret

kubectl create secret generic tt-keda-auth \

--from-literal KedaScaler=\$KEDA\_SCALER\_CONNECTION\_STRING \

--namespace tt Reference:

<https://www.thinktecture.com/en/kubernetes/serverless-workloads-with-keda/>

NEW QUESTION 46

- (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 an Azure Database for PostgreSQL. Update the web applications. Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

NEW QUESTION 49

- (Exam Topic 3)

You have an Azure Batch project that processes and converts files and stores the files in Azure storage. You are developing a function to start the batch job. You add the following parameters to the function.

Parameter name	Description
fileTasks	a list of tasks to be run
jobId	the identifier that must be assigned to the job
outputContainerSasUrl	a storage SAS URL to store successfully converted files
failedContainerSasUrl	a storage SAS URL to store copies of files that failed to convert.

You must ensure that converted files are placed in the container referenced by the outputContainerSasUrl parameter. Files which fail to convert are places in the container referenced by the failedContainerSasUrl parameter.

You need to ensure the files are correctly processed.

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.

## Answer Area

```
public List<CloudTasks> StartTasks(List<FileTask> fileTasks, string jobId,
    string outputContainerSasUrl, string failedContainerSasUrl)
{
    BatchSharedKeyCredentials sharedKeyCredentials =
        new BatchSharedKeyCredentials(batchAccountUrl, batchAccountName,
batchAccountKey);
    List<CloudTask> tasks = new List<CloudTask>();
    using (BatchClient batchClient = BatchClient.Open(sharedKeyCredentials))
    {
        CloudJob = batchClient.JobOperations. [dropdown] ();

        job.Id = jobId,
        job.PoolInformation = new PoolInformation { PoolId = poolId };
        job.Commit();
        fileTasks.ForEach((fileTask) =>
        {
            string taskId = $"Task{DateTime.Now.ToFileTimeUtc().ToString()}";
            CloudTask task = new CloudTask(taskId, fileTask.Command);
            List<OutputFile> outputFileList = new List<OutputFile>();
            OutputFileBlobContainerDestination outputContainer =
                new OutputFileBlobContainerDestination(outputContainerSasUrl);
            OutputFileBlobContainerDestination failedContainer =
                new OutputFileBlobContainerDestination(failedContainerSasUrl);
            outputFileList.Add(new OutputFile(fileTask.Output,
                new OutputFileDestination(outputContainer),
                new OutputFileUploadOptions(OutputFileUploadCondition. [dropdown] ));

            outputFileList.Add(new OutputFile(fileTask.Output,
                new OutputFileDestination(failedContainer),
                new OutputFileUploadOptions(OutputFileUploadCondition, [dropdown] ));

            task [dropdown] = outputFileList;

            task.Add(task);
        });
    }
    return tasks,
}
```

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: CreateJob

Box 2: TaskSuccess

TaskSuccess: Upload the file(s) only after the task process exits with an exit code of 0.

Incorrect: TaskCompletion: Upload the file(s) after the task process exits, no matter what the exit code was. Box 3: TaskFailure

TaskFailure: Upload the file(s) only after the task process exits with a nonzero exit code. Box 4: OutputFiles

To specify output files for a task, create a collection of OutputFile objects and assign it to the CloudTask.OutputFiles property when you create the task.

References:

<https://docs.microsoft.com/en-us/dotnet/api/microsoft.azure.batch.protocol.models.outputfileuploadcondition> <https://docs.microsoft.com/en-us/azure/batch/batch-task-output-files>

**NEW QUESTION 52**

- (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 53**

- (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 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: Move photo processing to an Azure Function triggered from the blob upload. Does the solution meet the goal?

- A. Yes  
B. No

**Answer:** A

**Explanation:**

Azure Storage events allow applications to react to events. Common Blob storage event scenarios include image or video processing, search indexing, or any file-oriented workflow.

Events are pushed using Azure Event Grid to subscribers such as Azure Functions, Azure Logic Apps, or even to your own http listener.

Note: Only storage accounts of kind StorageV2 (general purpose v2) and BlobStorage support event integration. Storage (general purpose v1) does not support integration with Event Grid.

Reference:

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-event-overview>

**NEW QUESTION 58**

- (Exam Topic 3)

Contoso, Ltd. provides an API to customers by using Azure API Management (APIM). The API authorizes users with a JWT token.

You must implement response caching for the APIM gateway. The caching mechanism must detect the user ID of the client that accesses data for a given location and cache the response for that user ID.

You need to add the following policies to the policies file:

- a set-variable policy to store the detected user identity
- a cache-lookup-value policy
- a cache-store-value policy
- a find-and-replace policy to update the response body with the user profile information

To which policy section should you add the policies? To answer, drag the appropriate sections to the correct policies. Each section 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

Policy section	Policy	Policy section
	Set-variable	<input type="text"/>
<input type="text" value="Inbound"/>	Cache-lookup-value	<input type="text"/>
<input type="text" value="Outbound"/>	Cache-store-value	<input type="text"/>
	Find-and-replace	<input type="text"/>

- A. Mastered  
B. Not Mastered

**Answer:** A

### Explanation:

Box 1: Inbound.

A set-variable policy to store the detected user identity. Example:

```
<policies>
```

```
<inbound>
```

```
<!-- How you determine user identity is application dependent -->
```

```
<set-variable name="enduserid"
```

```
value="@ (context.Request.Headers.GetValueOrDefault("Authorization","").Split(' ')[1].AsJwt()?.Subject)" />
```

Box 2: Inbound  
A cache-lookup-value policy Example:

```
<inbound>
```

```
<base />
```

```
<cache-lookup vary-by-developer="true | false" vary-by-developer-groups="true | false" downstream-caching-type="none | private | public" must-revalidate="true | false">
```

```
<vary-by-query-parameter>parameter name</vary-by-query-parameter> <!-- optional, can repeated several times -->
```

```
</cache-lookup>
```

```
</inbound>
```

Box 3: Outbound

A cache-store-value policy. Example:

```
<outbound>
```

```
<base />
```

```
<cache-store duration="3600" />
```

```
</outbound>
```

Box 4: Outbound

A find-and-replace policy to update the response body with the user profile information. Example:

```
<outbound>
```

```
<!-- Update response body with user profile-->
```

```
<find-and-replace from="$userprofile$"
```

```
to="@ ((string)context.Variables["userprofile"])" />
```

```
<base />
```

```
</outbound>
```

Reference:  
<https://docs.microsoft.com/en-us/azure/api-management/api-management-caching-policies>

<https://docs.microsoft.com/en-us/azure/api-management/api-management-sample-cache-by-key>

### NEW QUESTION 61

- (Exam Topic 3)

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.



```
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)


}
```

- A. Mastered
- B. Not Mastered

**Answer:** A

**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/>

**NEW QUESTION 64**

- (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.

You are developing a solution that will be deployed to an Azure Kubernetes Service (AKS) cluster. The solution will include a custom VNet, Azure Container Registry images, and an Azure Storage account.

The solution must allow dynamic creation and management of all Azure resources within the AKS cluster. You need to configure an AKS cluster for use with the Azure APIs.

Solution: Enable the Azure Policy Add-on for Kubernetes to connect the Azure Policy service to the GateKeeper admission controller for the AKS cluster. Apply a built-in policy to the cluster.

Does the solution meet the goal?

- A. Yes
- B. No

**Answer:** B

**Explanation:**

Instead create an AKS cluster that supports network policy. Create and apply a network to allow traffic only from within a defined namespace

References:

<https://docs.microsoft.com/en-us/azure/aks/use-network-policies>

**NEW QUESTION 67**

- (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 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: Convert the Azure Storage account to a BlobStorage storage account. Does the solution meet the goal?

- A. Yes
- B. No

**Answer: B**

**Explanation:**

Not necessary to convert the account, instead move photo processing to an Azure Function triggered from the blob upload.. Azure Storage events allow applications to react to events. Common Blob storage event scenarios include image or video processing, search indexing, or any file-oriented workflow. Note: Only storage accounts of kind StorageV2 (general purpose v2) and BlobStorage support event integration. Storage (general purpose v1) does not support integration with Event Grid. Reference: <https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-event-overview>

**NEW QUESTION 68**

- (Exam Topic 3)  
You develop software solutions for a mobile delivery service. You are developing a mobile app that users can use to order from a restaurant in their area. The app uses the following workflow:  
\* 1. A driver selects the restaurants for which they will deliver orders.  
\* 2. Orders are sent to all available drivers in an area.  
\* 3. Only orders for the selected restaurants will appear for the driver.  
\* 4. The first driver to accept an order removes it from the list of available orders. You need to implement an Azure Service Bus solution. 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.

Actions

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

Create a single Service Bus topic.

Create a single Service Bus subscription.

Create a single Service Bus Namespace.

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 orders.

Answer area

>

<

↑

↓

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Box 1: Create a single Service Bus Namespace  
To begin using Service Bus messaging entities in Azure, you must first create a namespace with a name that is unique across Azure. A namespace provides a scoping container for addressing Service Bus resources within your application.  
Box 2: Create a Service Bus Topic for each restaurant for which a driver can receive messages. Create topics.  
Box 3: Create a Service Bus subscription for each restaurant for which a driver can receive orders. Topics can have multiple, independent subscriptions. References: <https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-messaging-overview>

**NEW QUESTION 73**

- (Exam Topic 3)  
You are using Azure Front Door Service. You are expecting inbound files to be compressed by using Brotli compression. You discover that inbound XML files are not compressed. The files are 9 megabytes (MB) in size. You need to determine the root cause for the issue. To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

## Answer Area

Statement	Yes	No
The file MIME type is supported by the service.	<input type="radio"/>	<input type="radio"/>
Edge nodes must be purged of all cache assets.	<input type="radio"/>	<input type="radio"/>
The compression type is supported.	<input type="radio"/>	<input type="radio"/>

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: No

Front Door can dynamically compress content on the edge, resulting in a smaller and faster response to your clients. All files are eligible for compression. However, a file must be of a MIME type that is eligible for compression list.

Box 2: No

Sometimes you may wish to purge cached content from all edge nodes and force them all to retrieve new updated assets. This might be due to updates to your web application, or to quickly update assets that contain incorrect information.

Box 3: Yes

These profiles support the following compression encodings: Gzip (GNU zip), Brotli Reference:  
<https://docs.microsoft.com/en-us/azure/frontdoor/front-door-caching>

**NEW QUESTION 76**

- (Exam Topic 3)

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 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 Gateway'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 Gateway's HTTP setting, set the value of the Override backend path option to contoso22.azurewebsites.net.

**Answer:** AD

**Explanation:**

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.

Add HTTP setting

saippgw-appgw

\* Protocol

HTTPHTTPS

Authentication certificates are not required for trusted Azure certificates for end to end ssl to work

\* Port 

443

\* Request timeout (seconds)

20

Override backend path

Use for App service

Use custom probe

OK

Reference:

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

#### NEW QUESTION 78

- (Exam Topic 3)

You are creating an app that uses Event Grid to connect with other services. Your app's event data will be sent to a serverless function that checks compliance. This function is maintained by your company.

You write a new event subscription at the scope of your resource. The event must be invalidated after 3 specific period of time. You need to configure Event Grid to ensure security.

What should you implement? To answer, select the appropriate options in [he answer area. NOTE: Each correct selection is worth one point

Authentication	Type
WebHook event delivery	<div><div>SAS tokens</div><div>Key authentication</div><div>JWT token</div></div>
Topic publishing	<div><div>ValidationCode handshake</div><div>ValidationURL handshake</div><div>Management Access Control</div></div>

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- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: SAS tokens

Custom topics use either Shared Access Signature (SAS) or key authentication. Microsoft recommends SAS, but key authentication provides simple programming, and is compatible with many existing webhook publishers.

In this case we need the expiration time provided by SAS tokens. Box 2: ValidationCode handshake

Event Grid supports two ways of validating the subscription: ValidationCode handshake (programmatic) and ValidationURL handshake (manual).

If you control the source code for your endpoint, this method is recommended.

**NEW QUESTION 82**

- (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 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 83**

- (Exam Topic 3)

You are creating a CLI script that creates an Azure web app related services in Azure App Service. The web app uses the following variables:

Variable name	Value
\$gitrepo	<a href="https://github.com/Contos/webapp">https://github.com/Contos/webapp</a>
\$webappname	Webapp1103

You need to automatically deploy code from GitHub to the newly created web app.

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

## Answer Area

```
az group create - -location westeurope - -name myResourceGroup
```

▼

--name \$webappname - -resource-group myResourceGroup - -sku FREE

az webapp create

az appservice plan create

az webapp deployment

az group delete

▼

--name \$webappname - -resource-group myResourceGroup

az webapp create

az appservice plan create

az webapp deployment

az group delete

▼

--repo-url \$gitrepo - -branch master - -manual-integration

git clone \$gitrepo

--plan \$webappname

▼

source config --name \$webappname

az webapp create

az appservice plan create

az webapp deployment

az group delete

▼

--resource-group myResourceGroup

--repo-url \$gitrepo - -branch master - -manual-integration

git clone \$gitrepo

--plan \$webappname

- A. Mastered
- B. Not Mastered

**Answer:** A

### Explanation:

Box 1: az appservice plan create

The azure group creates command successfully returns JSON result. Now we can use resource group to create a azure app service plan

Box 2: az webapp create Create a new web app..

Box 3: --plan \$webappname

with the serviceplan we created in step 1. Box 4: az webapp deployment

Continuous Delivery with GitHub. Example:

az webapp deployment source config --name firstsamplewebsite1 --resource-group websites--repo-url \$gitrepo

--branch master --git-token \$token

Box 5: --repo-url \$gitrepo --branch master --manual-integration Reference:

<https://medium.com/@satish1v/devops-your-way-to-azure-web-apps-with-azure-cli-206ed4b3e9b1>

## NEW QUESTION 86

- (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.

You are developing a website that will run as an Azure Web App. Users will authenticate by using their Azure Active Directory (Azure AD) credentials.

You plan to assign users one of the following permission levels for the website: admin, normal, and reader. A user's Azure AD group membership must be used to determine the permission level. You need to configure authorization.

Solution:

- Create a new Azure AD application's manifest, set value of the groupMembershipClaims option to All.

- In the website, use the value of the groups claim from the JWT for the user to determine permissions. Does the solution meet the goal?

- A. Yes
- B. No

**Answer:** A

### Explanation:

To configure Manifest to include Group Claims in Auth Token

- \* 1. Go to Azure Active Directory to configure the Manifest. Click on Azure Active Directory, and go to App registrations to find your application:
  - \* 2. Click on your application (or search for it if you have a lot of apps) and edit the Manifest by clicking on it.
  - \* 3. Locate the “groupMembershipClaims” setting. Set its value to either “SecurityGroup” or “All”. To help you decide which: “SecurityGroup” - groups claim will contain the identifiers of all security groups of which the user is a member. “All” - groups claim will contain the identifiers of all security groups and all distribution lists of which the user is a member
- Now your application will include group claims in your manifest and you can use this fact in your code. References:  
<https://blogs.msdn.microsoft.com/waws/2017/03/13/azure-app-service-authentication-aad-groups/>

#### NEW QUESTION 90

- (Exam Topic 3)

You develop a website. You plan to host the website in Azure. You expect the website to experience high traffic volumes after it is published. You must ensure that the website remains available and responsive while minimizing cost. You need to deploy the website. What should you do?

- A. Deploy the website to an App Service that uses the Shared service tie
- B. Configure the App Service plan to automatically scale when the CPU load is high.
- C. Deploy the website to a virtual machin
- D. Configure the virtual machine to automatically scale when the CPU load is high.
- E. Deploy the website to an App Service that uses the Standard service tie
- F. Configure the App Service plan to automatically scale when the CPU load is high.
- G. Deploy the website to a virtual machin
- H. Configure a Scale Set to increase the virtual machine instance count when the CPU load

**Answer:** C

#### Explanation:

Windows Azure Web Sites (WAWS) offers 3 modes: Standard, Free, and Shared.

Standard mode carries an enterprise-grade SLA (Service Level Agreement) of 99.9% monthly, even for sites with just one instance.

Standard mode runs on dedicated instances, making it different from the other ways to buy Windows Azure Web Sites.

#### NEW QUESTION 95

- (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 Hub. Configure the machine identifier as the partition key and enable capture.

- A. Yes
- B. No

**Answer:** A

#### Explanation:

References:

<https://docs.microsoft.com/en-us/azure/event-hubs/event-hubs-programming-guide>

#### NEW QUESTION 96

- (Exam Topic 3)

You are developing a .NET Core MVC application for customers to research hotels. The application will use Azure Search. The application will search the index by using various criteria to locate documents related to hotels. The index will include search fields for rate, a list of amenities, and distance to the nearest airport.

The application must support the following scenarios for specifying search criteria and organizing results:

- Search the index by using regular expressions.
- Organize results by counts for name-value pairs.
- List hotels within a specified distance to an airport and that fall within a specific price range. You need to configure the SearchParameters class.

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

Scenario	Property
Search the index by using regular expressions.	<div>QueryType OrderBy SearchMode</div>
Organize results by counts for name-value pairs.	<div>Facets Filter SearchMode</div>
List hotels within a specified distance to an airport and that fall within a specific price range.	<div>Order by Top Filter</div>

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

Box 1: QueryType

The SearchParameters.QueryType Property gets or sets a value that specifies the syntax of the search query. The default is 'simple'. Use 'full' if your query uses



the Lucene query syntax.

You can write queries against Azure Search based on the rich Lucene Query Parser syntax for specialized query forms: wildcard, fuzzy search, proximity search, regular expressions are a few examples.

Box 2: Facets

The facets property gets or sets the list of facet expressions to apply to the search query. Each facet expression contains a field name, optionally followed by a comma-separated list of name:value pairs.

Box 3: Filter

The Filter property gets or sets the OData \$filter expression to apply to the search query. References:

<https://docs.microsoft.com/en-us/dotnet/api/microsoft.azure.search.models.searchparameters> <https://docs.microsoft.com/en-us/azure/search/query-lucene-syntax>

<https://docs.microsoft.com/en-us/dotnet/api/microsoft.azure.search.models.searchparameters.querytype>

### NEW QUESTION 98

- (Exam Topic 3)

You are configuring a development environment for your team. You deploy the latest Visual Studio image from the Azure Marketplace to your Azure subscription.

The development environment requires several software development kits (SDKs) and third-party components to support application development across the organization. You install and customize the deployed virtual machine (VM) for your development team. The customized VM must be saved to allow provisioning of a new team member development environment.

You need to save the customized VM for future provisioning.

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

#### Answer Area

Action	Tool or service
Generalize the VM.	<div><div>Azure PowerShell</div><div>Visual Studio command prompt</div><div>Azure Migrate</div><div>Azure Backup</div></div>
Store images.	<div><div>Azure Blob Storage</div><div>Azure Data Lake Storage</div><div>Azure File Storage</div><div>Azure Table Storage</div></div>

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

Box 1: Azure Powershell

Creating an image directly from the VM ensures that the image includes all of the disks associated with the VM, including the OS disk and any data disks.

Before you begin, make sure that you have the latest version of the Azure PowerShell module. You use Sysprep to generalize the virtual machine, then use Azure PowerShell to create the image. Box 2: Azure Blob Storage

References:

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/capture-image-resource#create-an-image-of-a>

### NEW QUESTION 102

- (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 106**

- (Exam Topic 3)

You are developing a new page for a website that uses Azure Cosmos DB for data storage. The feature uses documents that have the following format:

You must display data for the new page in a specific order. You create the following query for the page:

You need to configure a Cosmos DB policy to the support the query.

How should you configure the policy? To answer, drag the appropriate JSON segments to the correct locations. Each JSON 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.

JSON segments	Answer Area
<input type="text" value="orderBy"/>	<pre>{   "automatic": true,   "indexingMode": "Consistent",   "includedPaths": [     {       "path": "/*"     }   ],   "excludedPaths": [],   "compositeIndexes": [     {       "path": "/name", "order": "descending"     },     {       "path": "/city", "order": " </pre>
<input type="text" value="sortOrder"/>	
<input type="text" value="ascending"/>	
<input type="text" value="descending"/>	
<input type="text" value="compositeIndexes"/>	

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: compositeIndexes

You can order by multiple properties. A query that orders by multiple properties requires a composite index. Box 2: descending

Example: Composite index defined for (name ASC, age ASC):

It is optional to specify the order. If not specified, the order is ascending.

```
{
  "automatic":true, "indexingMode":"Consistent", "includedPaths":[
  {
    "path":"/*"
  }
  ],
  "excludedPaths":[], "compositeIndexes":[ [
    {
      "path":"/name",
    },
    {
      "path":"/age",
    }
  ]
  ]
}
```

**NEW QUESTION 109**

- (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 114**

- (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 116**

- (Exam Topic 3)

You have an application that provides weather forecasting data to external partners. You use Azure API Management to publish APIs.

You must change the behavior of the API to meet the following requirements:

- Support alternative input parameters.
- Remove formatting text from responses.
- Provide additional context to back-end services.

Which types of policies should you implement? To answer, drag the policy types to the correct scenarios. Each policy type 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.

Policy types	Requirement	Policy type
Inbound	Rewrite the request URL to match to the format expected by the web service.	policy type
Outbound	Remove formatting text from responses.	policy type
Backend	Forward the user ID that is associated with the subscription key for the original request to the back-end service.	policy type

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Policy types	Requirement	Policy type
Inbound	Rewrite the request URL to match to the format expected by the web service.	Outbound
Outbound	Remove formatting text from responses.	Inbound
Backend	Forward the user ID that is associated with the subscription key for the original request to the back-end service.	Backend

**NEW QUESTION 119**

- (Exam Topic 3)

You are developing a software solution for an autonomous transportation system. The solution uses large data sets and Azure Batch processing to simulate navigation sets for entire fleets of vehicles.

You need to create compute nodes for the solution on Azure Batch. What should you do?

- A. In Python, implement the class: TaskAddParameter
- B. In Python, implement the class: JobAddParameter
- C. In the Azure portal, create a Batch account
- D. In a .NET method, call the method: BatchClient.PoolOperations.CreateJob

**Answer:** D

**Explanation:**

A Batch job is a logical grouping of one or more tasks. A job includes settings common to the tasks, such as priority and the pool to run tasks on. The app uses the



BatchClient.JobOperations.CreateJob method to create a job on your pool.

Note:

Step 1: Create a pool of compute nodes. When you create a pool, you specify the number of compute nodes for the pool, their size, and the operating system. When each task in your job runs, it's assigned to execute on one of the nodes in your pool.

Step 2 : Create a job. A job manages a collection of tasks. You associate each job to a specific pool where that job's tasks will run.

Step 3: Add tasks to the job. Each task runs the application or script that you uploaded to process the data files it downloads from your Storage account. As each task completes, it can upload its output to Azure Storage.

#### NEW QUESTION 120

- (Exam Topic 3)

You are developing a Docker/Go using Azure App Service Web App for Containers. You plan to run the container in an App Service on Linux. You identify a Docker container image to use.

None of your current resource groups reside in a location that supports Linux. You must minimize the number of resource groups required.

You need to create the application and perform an initial deployment.

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

Azure CLI Commands	Answer Area
az group create	
az group update	
az webapp update	⬅
az webapp create	➡
az appservice plan create	⬆
	⬆

A. Mastered

B. Not Mastered

**Answer:** A

#### Explanation:

You can host native Linux applications in the cloud by using Azure Web Apps. To create a Web App for Containers, you must run Azure CLI commands that create a group, then a service plan, and finally the web app itself.

Step 1: az group create

In the Cloud Shell, create a resource group with the az group create command. Step 2: az appservice plan create

In the Cloud Shell, create an App Service plan in the resource group with the az appservice plan create command.

Step 3: az webapp create

In the Cloud Shell, create a web app in the myAppServicePlan App Service plan with the az webapp create command. Don't forget to replace with a unique app name, and <docker-ID> with your Docker ID.

References:

<https://docs.microsoft.com/mt-mt/azure/app-service/containers/quickstart-docker-go?view=sql-server-ver15>

#### NEW QUESTION 122

- (Exam Topic 3)

A company backs up all manufacturing data to Azure Blob Storage. Admins move blobs from hot storage to archive tier storage every month.

You must automatically move blocks to Archive tier after they have not been accessed for 180 days. The path for any item that is not archived must be placed in an existing queue. This operation must be performed automatically once a month. You set the value of TierAgeInDays to 180.

How should you configure the Logic App? To answer, drag the appropriate triggers or action blocks to the correct trigger or action slots. Each trigger or action block 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.

### Triggers and Action Blocks

**Insert Entity**

\*Table: processing

\*Entity: Path

Show advanced options

**Tier blob**

If blob is older than the defined value, tier it to Cool or Archive tier

\*Blob path: Path

\*Blob Tier: Archive

**When there are messages in a queue**

\*Queue Name: processing

Show advanced options

Connected to tableStorageAccountConnection. Change connection.

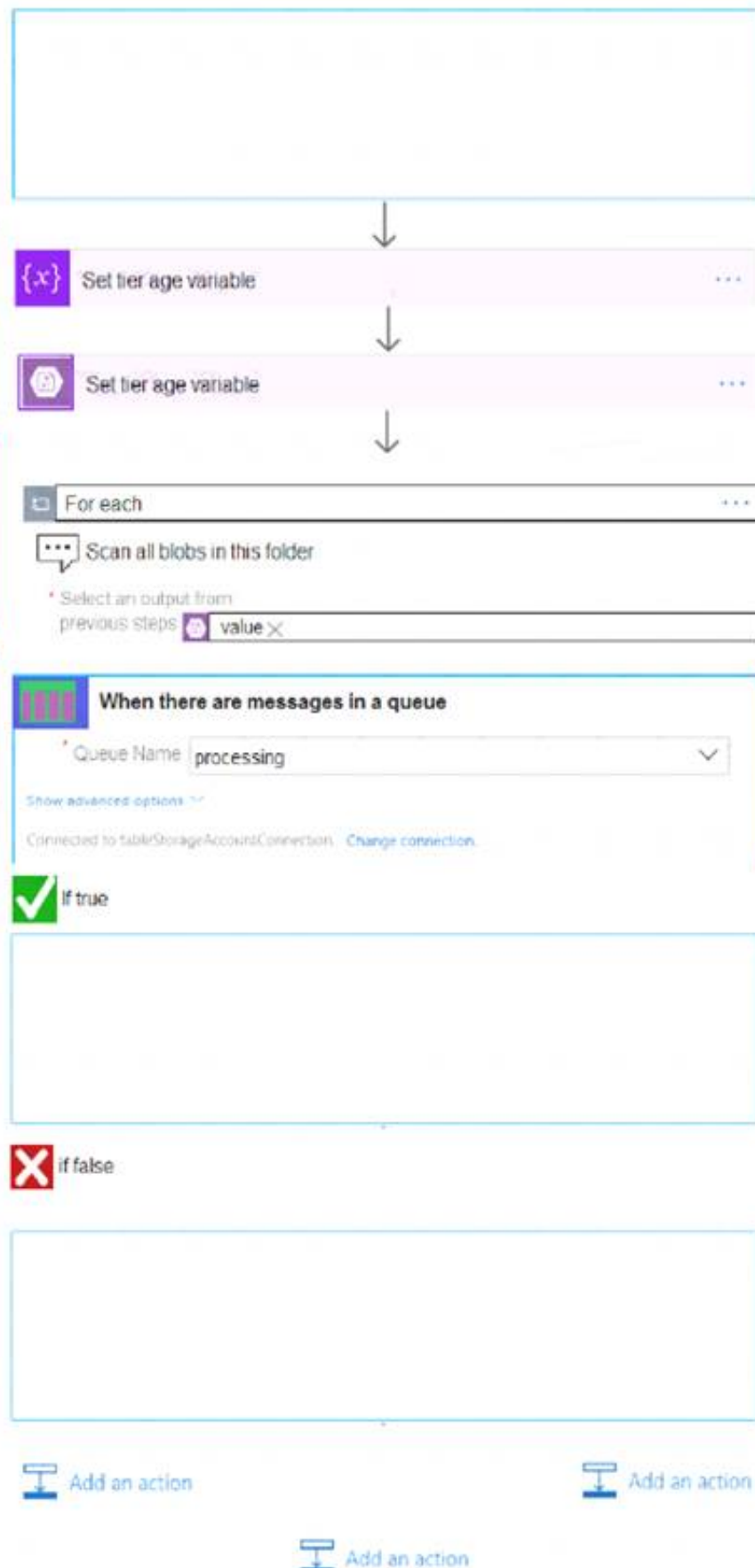
**Recurrence**

\*Interval: 1

\*Frequency: Month

Show advanced options

### Answer Area



- A. Mastered
- B. Not Mastered

**Answer: A**

#### Explanation:

Box 1: Recurrence Box 2: Insert Entity

Box 3 (if true): Tier Blob Box 4: (if false):

Leave blank. References:

<https://docs.microsoft.com/en-us/azure/logic-apps/logic-apps-perform-data-operations>

#### NEW QUESTION 123

- (Exam Topic 3)

You are working for a company that designs mobile applications. They maintain a server where player records are assigned to their different games. The tracking system is new and in development.

The application uses Entity Framework to connect to an Azure Database. The database holds a Player table and Game table.

When adding a player, the code should insert a new player record, and add a relationship between an existing game record and the new player record.

The application will call CreatePlayerWithGame with the correct gameId and the playerId to start the process. (Line numbers are included for reference only.)

```

01. namespace ContosoCradt
02. {
03.     public class PlayerDbContext : DbContext
04.     {
05.         public PlayerDbContext() : base ("name-dBConnString") { }
06.         public DbSet<Player> Players { get ; set ; }
07.         public DbSet<Game> Games { get ; set ; }
08.         protected override void OnModelCreating(DbModelBuilder modelBuilder)
09.         {
10.             modelBuilder.Entity<Player>().HasMany(x => x.Games).WithMany (x => x.Players);
11.         }
12.     }
13.     internal class dbConfiguration : DbMigrationConfiguration<PlayerDbContext>
14.     {
15.         public dbConfiguration() . {AutomaticMigrationsEnabled = true ; }
16.     {
17.         public class mp
18.         {
19.             public void CreatePlayerWithGame(int playerId, int gameId) => AddPlayer(playerId, GetGame(gameId));
20.             public Game GetGame(int gameId)
21.             {
22.                 using (var db = new PlayerDbContext())
23.                 {
24.                     return db.Games.FirstOrDefault(x => x.GameId == gameId);
25.                 }
26.             }
27.             public Player AddPlayer (int playerId, Game game)
28.             {
29.                 using (var db = new PlayerDbContext())
30.                 {
31.                     var player = new Player
32.                     {
33.                         PlayerId = playerId,
34.                         Games = new List <Game> {game },
35.                     };
36.                     db.Players.Add(player);
37.                     db.SaveChanges();
38.                     return player;
39.                 }
40.             }
41.         }
42.     }
43.     public class Player
44.     {
45.         public int PlayerId { get ; set; }
46.         public string PlayerName { get ; set; }
47.         public virtual List<Game> Games { get ; set; }
48.     }
49.     public class Game
50.     {
51.         public int GameId { get ; set ; }
52.         public string Title { get ; set; }
53.         public string Platform { get ; set; }
54.         public virtual List<Player> Players { get ; set; }
55.     }
56. }

```

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 successfully insert a player record.                                      | <input type="radio"/> | <input type="radio"/> |
| The code has a bug and will insert an additional copy of the Game record with a new Id. | <input type="radio"/> | <input type="radio"/> |
| The code has a bug and will insert the wrong gameId value.                              | <input type="radio"/> | <input type="radio"/> |
| There is a valid many-to-many relationship between Players and Games.                   | <input type="radio"/> | <input type="radio"/> |

A. Mastered



B. Not Mastered

**Answer:** A

**Explanation:**

Many-to-many relationships without an entity class to represent the join table are not yet supported. However, you can represent a many-to-many relationship by including an entity class for the join table and mapping two separate one-to-many relationships.

```
protected override void OnModelCreating(ModelBuilder modelBuilder)
```

```
{  
    modelBuilder.Entity<PostTag>() HasKey(t => new { t.PostId, t.TagId }); modelBuilder.Entity<PostTag>() HasOne(pt => pt.Post)  
    WithMany(p => p.PostTags) HasForeignKey(pt => pt.PostId); modelBuilder.Entity<PostTag>() HasOne(pt => pt.Tag) WithMany(t => t.PostTags) HasForeignKey(pt  
    => pt.TagId);  
}
```

**NEW QUESTION 128**

- (Exam Topic 3)

You develop an Azure web app. You monitor performance of the web app by using Application Insights. You need to ensure the cost for Application Insights does not exceed a preset budget. What should you do?

- A. Implement ingestion sampling using the Azure portal.
- B. Set a daily cap for the Application Insights instance.
- C. Implement adaptive sampling using the Azure portal.
- D. Implement adaptive sampling using the Application Insights SDK.
- E. Implement ingestion sampling using the Application Insights SDK.

**Answer:** D

**Explanation:**

Sampling is an effective way to reduce charges and stay within your monthly quota.

You can set sampling manually, either in the portal on the Usage and estimated costs page; or in the ASP.NET SDK in the .config file; or in the Java SDK in the ApplicationInsights.xml file, to also reduce the network traffic.

Adaptive sampling is the default for the ASP.NET SDK. Adaptive sampling automatically adjusts to the volume of telemetry that your app sends. It operates automatically in the SDK in your web app so that telemetry traffic on the network is reduced.

References:

<https://docs.microsoft.com/en-us/azure/azure-monitor/app/sampling>

**NEW QUESTION 131**

- (Exam Topic 3)

You plan to create a Docker image that runs as ASP.NET Core application named ContosoApp. You have a setup script named setupScript.ps1 and a series of application files including ContosoApp.dll.

You need to create a Dockerfile document that meets the following requirements:

- Call setupScript.ps1 when the container is built.
- Run ContosoApp.dll when the container starts.

The Docker document must be created in the same folder where ContosoApp.dll and setupScript.ps1 are stored.

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

**Commands**

**Answer Area**

RUN powershell .\setupScript.ps1  
CMD ["dotnet", "ContosoApp.dll"]

EXPOSE ./ContosoApp/ /apps/ContosoApp

COPY /.

FROM microsoft/aspnetcore:2.0

WORKDIR /apps/ContosoApp

CMD powershell .\setupScript.ps1  
ENTRYPOINT ["dotnet", "ContosoApp.dll"]



- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Step 1: WORKDIR /apps/ContosoApp Step 2: COPY ./The Docker document must be created in the same folder where ContosoApp.dll and setupScript.ps1 are stored.

Step 3: EXPOSE ./ContosoApp/ /app/ContosoApp Step 4: CMD powershell ./setupScript.ps1 ENTRYPOINT ["dotnet", "ContosoApp.dll"]

You need to create a Dockerfile document that meets the following requirements:

➤ Call setupScript.ps1 when the container is built.

➤ Run ContosoApp.dll when the container starts. References:

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

**NEW QUESTION 136**

- (Exam Topic 3)

You are developing a ticket reservation system for an airline.

The storage solution for the application must meet the following requirements:

➤ Ensure at least 99.99% availability and provide low latency.

➤ Accept reservations event when localized network outages or other unforeseen failures occur.

➤ Process reservations in the exact sequence as reservations are submitted to minimize overbooking or selling the same seat to multiple travelers.

➤ Allow simultaneous and out-of-order reservations with a maximum five-second tolerance window. You provision a resource group named airlineResourceGroup in the Azure South-Central US region. You need to provision a SQL SPI Cosmos DB account to support the app.

How should you complete the Azure CLI commands? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

```
resourceGroupName- +airlineResourceGroup'
name- +docdb-airline-reservations'
databaseName- 'docdb-tickets-database'
collectionName- 'docdb-tickets-collection'
consistencyLevel-
```

▼

Strong  
Eventual  
ConsistentPrefix  
BoundedStaleness

```
az cosmosdb create \
--name $name \
```

▼

--enable-virtual-network true\  
--enable-automatic-failover true\  
--kind 'GlobalDocumentDB' \  
--kind 'MongoDB'

```
--resource group $resourceGroupName \
--max interval 5 \
```

▼

--locations 'southcentralus'  
--locations 'eastus'  
--locations'southcentralus=0 eastus=1 westus=2'  
--locations 'southcentralus=0'

```
--default-consistency-level - $consistencylevel
```

- A. Mastered  
B. Not Mastered

**Answer: A**

**Explanation:**

Box 1: BoundedStaleness

Bounded staleness: The reads are guaranteed to honor the consistent-prefix guarantee. The reads might lag behind writes by at most "K" versions (that is, "updates") of an item or by "T" time interval. In other words, when you choose bounded staleness, the "staleness" can be configured in two ways:

The number of versions (K) of the item

The time interval (T) by which the reads might lag behind the writes Reference:

<https://docs.microsoft.com/en-us/azure/cosmos-db/consistency-levels> <https://github.com/MicrosoftDocs/azure-docs/blob/master/articles/cosmos-db/manage-with-cli.md>

**NEW QUESTION 141**

- (Exam Topic 3)



You are implementing an order processing system. A point of sale application publishes orders to topics in an Azure Service Bus queue. The label property for the topic includes the following data:

Property	Description
ShipLocation	the country/region where the order will be shipped
CorrelationId	a priority value for the order
Quantity	a user-defined field that stores the quantity of items in an order
AuditedAt	a user-defined field that records the date an order is audited

The system has the following requirements for subscriptions

Subscription type	Comments
FutureOrders	This subscription is reserved for future use and must not receive any orders.
HighPriorityOrders	Handle all high priority orders and International orders.
InternationalOrders	Handle orders where the country/region is not United States.
HighQuantityOrders	Handle only orders with quantities greater than 100 units.
AllOrders	This subscription is used for auditing purposes. This subscription must receive every single order. AllOrders has an Action defined that updates the AuditedAt property to include the date and time it was received by the subscription.

You need to implement filtering and maximize throughput while evaluating filters.

Which filter types should you implement? To answer, drag the appropriate filter types to the correct subscriptions. Each filter type 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.

Filter types	Answer Area	
	Subscription	Filter type
SQLFilter	FutureOrders	<input type="text"/>
CorrelationFilter	HighPriorityOrders	<input type="text"/>
No Filter	InternationalOrders	<input type="text"/>
	HighQuantityOrders	<input type="text"/>
	AllOrders	<input type="text"/>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

FutureOrders: SQLFilter HighPriorityOrders: CorrelationFilter CorrelationID only InternationalOrders: SQLFilter

Country NOT USA requires an SQL Filter HighQuantityOrders: SQLFilter

Need to use relational operators so an SQL Filter is needed. AllOrders: No Filter

SQL Filter: SQL Filters - A SqlFilter holds a SQL-like conditional expression that is evaluated in the broker against the arriving messages' user-defined properties and system properties. All system properties must be prefixed with sys. in the conditional expression. The SQL-language subset for filter conditions tests for the existence of properties (EXISTS), as well as for null-values (IS NULL), logical NOT/AND/OR, relational operators, simple numeric arithmetic, and simple text pattern matching with LIKE.

Correlation Filters - A CorrelationFilter holds a set of conditions that are matched against one or more of an arriving message's user and system properties. A common use is to match against the CorrelationId property, but the application can also choose to match against ContentType, Label, MessageId, ReplyTo, ReplyToSessionId, SessionId, To, and any user-defined properties. A match exists when an arriving message's value for a property is equal to the value specified in the correlation filter. For string expressions, the comparison is case-sensitive. When specifying multiple match properties, the filter combines them as a logical AND condition, meaning for the filter to match, all conditions must match.

Boolean filters - The TrueFilter and FalseFilter either cause all arriving messages (true) or none of the arriving messages (false) to be selected for the subscription. References:

<https://docs.microsoft.com/en-us/azure/service-bus-messaging/topic-filters>



**NEW QUESTION 144**

- (Exam Topic 3)

You are developing an Azure App Service hosted ASP.NET Core web app to deliver video on-demand streaming media. You enable an Azure Content Delivery Network (CDN) Standard for the web endpoint. Customer videos are downloaded from the web app by using the following example URL.:

<http://www.contoso.com/content.mp4?quality=1>

All media content must expire from the cache after one hour. Customer videos with varying quality must be delivered to the closest regional point of presence (POP) node.

You need to configure Azure CDN caching rules.

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

NOTE: Each correct selection is worth one point.

**Answer Area**

Setting	Action
Caching behavior	<div><div></div><div><div>Bypass cache</div><div>Override</div><div>Set if missing</div></div></div>
Cache expiration duration	<div><div></div><div><div>1 second</div><div>1 minute</div><div>1 hour</div><div>1 day</div></div></div>
Query string caching behavior	<div><div></div><div><div>Ignore query strings</div><div>Bypass caching for query strings</div><div>Cache every unique URL</div></div></div>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: Override

Override: Ignore origin-provided cache duration; use the provided cache duration instead. This will not override cache-control: no-cache.

Set if missing: Honor origin-provided cache-directive headers, if they exist; otherwise, use the provided cache duration.

Incorrect:

Bypass cache: Do not cache and ignore origin-provided cache-directive headers. Box 2: 1 hour

All media content must expire from the cache after one hour. Box 3: Cache every unique URL

Cache every unique URL: In this mode, each request with a unique URL, including the query string, is treated as a unique asset with its own cache. For example, the response from the origin server for a request for example.ashx?q=test1 is cached at the POP node and returned for subsequent caches with the same query string. A request for example.ashx?q=test2 is cached as a separate asset with its own time-to-live setting.

Reference:

<https://docs.microsoft.com/en-us/azure/cdn/cdn-query-string>

**NEW QUESTION 145**

- (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 149

- (Exam Topic 3)

You develop a solution that uses an Azure SQL Database to store user information for a mobile app. The app stores sensitive information about users.

You need to hide sensitive information from developers that query the data for the mobile app.

Which three items must you identify when configuring dynamic data masking? Each correct answer presents a part of the solution.

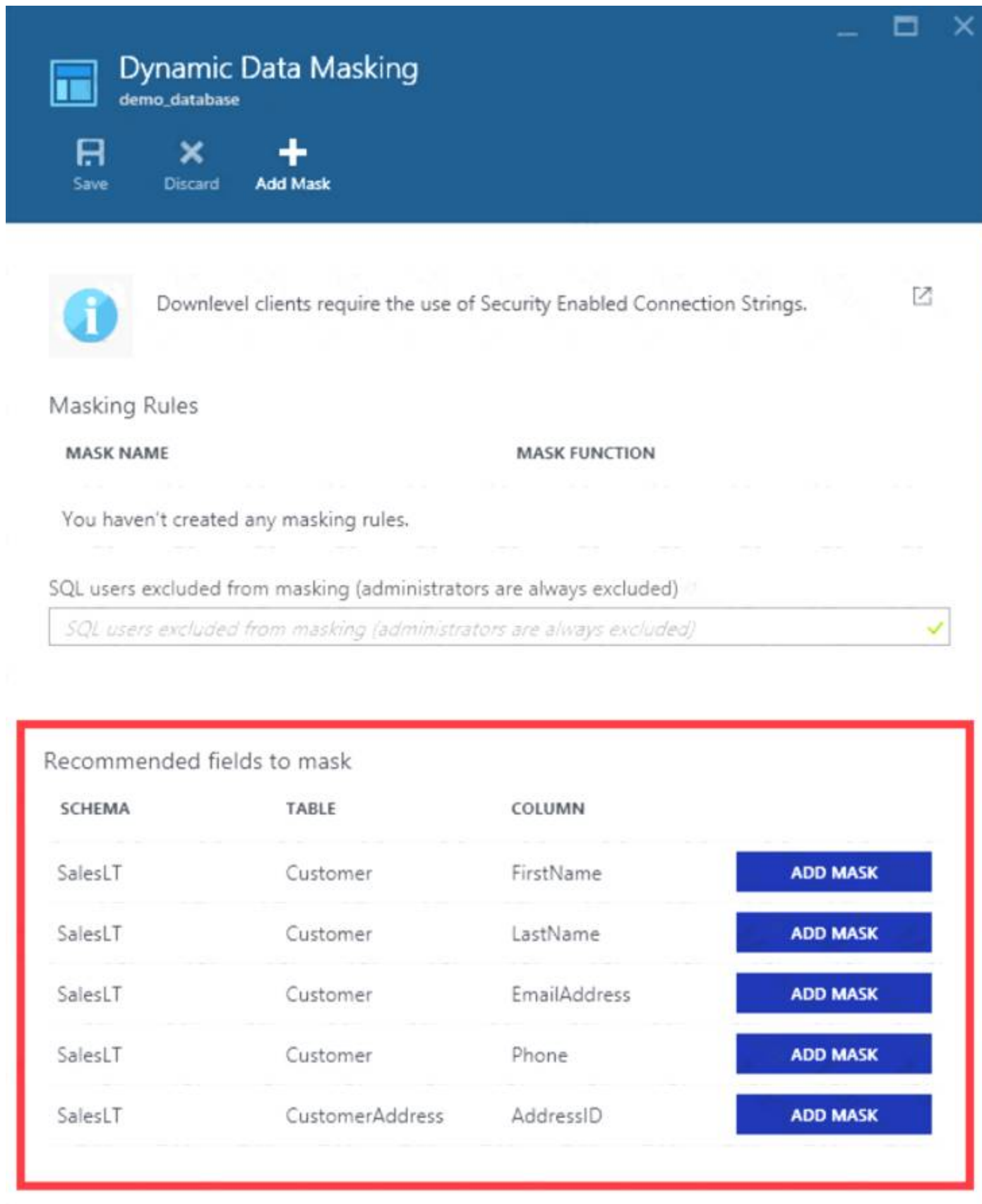
NOTE: Each correct selection is worth one point.

- A. Column
- B. Table
- C. Trigger
- D. Index
- E. Schema

**Answer:** ABE

### Explanation:

In the Dynamic Data Masking configuration page, you may see some database columns that the recommendations engine has flagged for masking. In order to accept the recommendations, just click Add Mask for one or more columns and a mask is created based on the default type for this column. You can change the masking function by clicking on the masking rule and editing the masking field format to a different format of your choice.



**Dynamic Data Masking**  
demo\_database

Save Discard Add Mask

Downlevel clients require the use of Security Enabled Connection Strings.

### Masking Rules

MASK NAME	MASK FUNCTION
You haven't created any masking rules.	

SQL users excluded from masking (administrators are always excluded)

SQL users excluded from masking (administrators are always excluded) ✓

#### Recommended fields to mask

SCHEMA	TABLE	COLUMN	
SalesLT	Customer	FirstName	ADD MASK
SalesLT	Customer	LastName	ADD MASK
SalesLT	Customer	EmailAddress	ADD MASK
SalesLT	Customer	Phone	ADD MASK
SalesLT	CustomerAddress	AddressID	ADD MASK

References:

<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-dynamic-data-masking-get-started-portal>

#### NEW QUESTION 152

- (Exam Topic 3)

You are creating a hazard notification system that has a single signaling server which triggers audio and visual alarms to start and stop.

You implement Azure Service Bus to publish alarms. Each alarm controller uses Azure Service Bus to receive alarm signals as part of a transaction. Alarm events must be recorded for audit purposes. Each transaction record must include information about the alarm type that was activated.

You need to implement a reply trail auditing solution.

Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. Assign the value of the hazard message SessionID property to the SequenceNumber property.
- B. Assign the value of the hazard message SequenceNumber property to the DeliveryCount property.
- C. Assign the value of the hazard message MessageID property to the DeliveryCount property.
- D. Assign the value of the hazard message SessionID property to the ReplyToSessionId property.
- E. Assign the value of the hazard message MessageID property to the SequenceNumber property.
- F. Assign the value of the hazard message MessageID property to the CorrelationId property.

**Answer: AB**

#### NEW QUESTION 154

- (Exam Topic 3)

You are developing an internal website for employees to view sensitive data. The website uses Azure Active Directory (AAD) for authentication. You need to implement multifactor authentication for the website.

What should you do? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.



- A. In Azure AD, create a new conditional access policy.
- B. In Azure AD, enable application proxy.
- C. Configure the website to use Azure AD B2C.
- D. In Azure AD conditional access, enable the baseline policy.
- E. Upgrade to Azure AD Premium.

**Answer:** AE

**Explanation:**

References:

<https://docs.microsoft.com/en-us/azure/active-directory/authentication/howto-mfa-getstarted>

**NEW QUESTION 156**

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