

## Exam Questions AZ-204

Developing Solutions for Microsoft Azure (beta)

<https://www.2passeasy.com/dumps/AZ-204/>



### 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 update the APIs to resolve the testing error.

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

NOTE: Each correct selection is worth one point.

az webapp   -g shipping-apis-test-rg -n web

<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

--

<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

- A. Mastered
- B. Not Mastered

**Answer: A**

#### Explanation:

Enable Cross-Origin Resource Sharing (CORS) on your Azure App Service Web App.

Enter the full URL of the site you want to allow to access your WEB API or \* to allow all domains. Box 1: cors

Box 2: add

Box 3: allowed-origins

Box 4: <http://testwideworldimporters.com/> References:  
<http://donovanbrown.com/post/How-to-clear-No-Access-Control-Allow-Origin-header-error-with-Azure-App-Service>

NEW QUESTION 4

- (Exam Topic 3)

You are developing an Azure Function App by using Visual Studio. The app will process orders input by an Azure Web App. The web app places the order information into Azure Queue Storage.

You need to review the Azure Function App code shown below. NOTE: Each correct selection is worth one point.

```
public static class OrderProcessor
{
    [FunctionName("ProcessOrders")]
    public static void ProcessOrders([QueueTrigger("incoming-orders")]CloudQueueMessage myQueueItem, [Table("Orders")]ICollector<Order> tableBindings,
    TraceWriter log)
    {
        log.Info($"Processing Order: {myQueueItem.Id}");
        log.Info($"Queue Insertion Time: {myQueueItem.InsertionTime}");
        log.Info($"Queue Expiration Time: {myQueueItem.ExpirationTime}");
        tableBindings.Add(new Order().DeserializeObject<Order>(myQueueItem.AsString));
    }

    [FunctionName("ProcessOrders-Poison")]
    public static void ProcessFailedOrders([QueueTrigger("incoming-orders-poison")]CloudQueueMessage myQueueItem, TraceWriter log)
    {
        log.Error($"Failed to process order: {myQueueItem.AsString!}");
    }
}
```

	Yes	No
The code will log the time that the order was processed from the queue.	<input type="radio"/>	<input type="radio"/>
When the ProcessOrders function fails, the function will retry up to five times for a given order, including the first try.	<input type="radio"/>	<input type="radio"/>
When there are multiple orders in the queue, a batch of orders will be retrieved from the queue and the ProcessOrders function will run multiple instances concurrently to process the orders.	<input type="radio"/>	<input type="radio"/>
The ProcessOrders function will output the order to an Orders table in Azure Table Storage.	<input type="radio"/>	<input type="radio"/>

- A. Mastered  
B. Not Mastered

Answer: A

Explanation:

Box 1: No

ExpirationTime - The time that the message expires. InsertionTime - The time that the message was added to the queue.

Box 2: Yes

maxDequeueCount - The number of times to try processing a message before moving it to the poison queue.

Default value is 5.

Box 3: Yes

When there are multiple queue messages waiting, the queue trigger retrieves a batch of messages and invokes function instances concurrently to process them.

By default, the batch size is 16. When the number being processed gets down to 8, the runtime gets another batch and starts processing those messages. So the maximum number of concurrent messages being processed per function on one virtual machine (VM) is 24.

Box 4: Yes References:

<https://docs.microsoft.com/en-us/azure/azure-functions/functions-bindings-storage-queue>

NEW QUESTION 5

- (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 6

- (Exam Topic 3)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

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

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

You create the index in Azure Search.

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

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

- A. Yes  
 B. No

**Answer:** B

### Explanation:

Use the following method:

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

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

### NEW QUESTION 7

- (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 8**

- (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 9**

- (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 10**

- (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 Service Bus. Configure a topic to receive the device data by using a correlation filter.

Does the solution meet the goal?

- A. Yes
- B. No

**Answer:** A

**Explanation:**

A message is raw data produced by a service to be consumed or stored elsewhere. The Service Bus is for high-value enterprise messaging, and is used for order processing and financial transactions.

Reference:

<https://docs.microsoft.com/en-us/azure/event-grid/compare-messaging-services>

**NEW QUESTION 10**

- (Exam Topic 3)

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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 12**

- (Exam Topic 3)

You are implementing a software as a service (SaaS) ASP.NET Core web service that will run as an Azure Web App. The web service will use an on-premises SQL Server database for storage. The web service also includes a WebJob that processes data updates. Four customers will use the web service.

- > Each instance of the WebJob processes data for a single customer and must run as a singleton instance.
- > Each deployment must be tested by using deployment slots prior to serving production data.
- > Azure costs must be minimized.
- > Azure resources must be located in an isolated network. You need to configure the App Service plan for the Web App.

How should you configure the App Service plan? To answer, select the appropriate settings in the answer area.

NOTE: Each correct selection is worth one point.

## Answer Area

### App service plan setting

### Value

Number of VM instances

	▼
2	
4	
8	
16	

Pricing tier

	▼
Isolated	
Standard	
Premium	
Consumption	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Number of VM instances: 4

You are not charged extra for deployment slots. Pricing tier: Isolated

The App Service Environment (ASE) is a powerful feature offering of the Azure App Service that gives network isolation and improved scale capabilities. It is essentially a deployment of the Azure App Service into a subnet of a customer's Azure Virtual Network (VNet).

References:

<https://azure.microsoft.com/sv-se/blog/announcing-app-service-isolated-more-power-scale-and-ease-of-use/>

#### NEW QUESTION 14

- (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",
  [Box 1] : "All",
  "optionalClaims"
  "groupMembershipClaims"
  [Box 2] : 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 18

- (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 20

- (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 21

- (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 22**

- (Exam Topic 3)

You are preparing to deploy an ASP.NET Core website to an Azure Web App from a GitHub repository. The website includes static content generated by a script.

You plan to use the Azure Web App continuous deployment feature.

You need to run the static generation script before the website starts serving traffic.

What are two possible ways to achieve this goal? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

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

**Answer:** AD

**Explanation:**

A: To customize your deployment, include a .deployment file in the repository root.

You just need to add a file to the root of your repository with the name .deployment and the content: [config]

command = YOUR COMMAND TO RUN FOR DEPLOYMENT

this command can be just running a script (batch file) that has all that is required for your deployment, like copying files from the repository to the web root directory for example.

D: In Azure, you can run your functions directly from a deployment package file in your function app. The other option is to deploy your files in the d:\home\site\wwwroot directory of your function app (see A above).

To enable your function app to run from a package, you just add a WEBSITE\_RUN\_FROM\_PACKAGE setting to your function app settings.

Note: The host.json metadata file contains global configuration options that affect all functions for a function app.

References:

<https://github.com/projectkudu/kudu/wiki/Custom-Deployment-Script>

<https://docs.microsoft.com/bs-latn-ba/azure/azure-functions/run-functions-from-deployment-package>

**NEW QUESTION 23**

- (Exam Topic 3)

You are developing an ASP.NET Core Web API web service that uses Azure Application Insights to monitor performance and track events.

You need to enable logging and ensure that log messages can be correlated to events tracked by Application Insights.

How should you complete the code? To answer, drag the appropriate code segments to the correct locations. Each code 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.

## Code segments

## Answer Area

IncludeEventId	public class Startup
ServerFeatures	{
LoggerFilterOptions	...
ApplicationServices	public void ConfigureServices (IServiceCollection services)
ApplicationInsightsLoggerOptions	{
TrackExceptionsAsExceptionTelemetry	services.AddOptions< >().
	Configure(o => o. = true );
	services.AddMvc();
	}
	public void Configure (IApplicationBuilder app,
	IHostingEnvironment env, ILoggerFactory loggerFactory)
	{
	loggerFactory.AddApplicationInsights(app. ,LogLevel.Trace);
	app.UseMvc();
	}

- A. Mastered  
 B. Not Mastered

Answer: A

### Explanation:

Box 1: ApplicationInsightsLoggerOptions

If you want to include the EventId and EventName properties, then add the following to the ConfigureServices method:  
 services.AddOptions<ApplicationInsightsLoggerOptions>().Configure(o => o.IncludeEventId = true);

Box 2: IncludeEventId

Box 3: ApplicationServices

In Asp.Net core apps it turns out that trace logs do not show up in Application Insights out of the box. We need to add the following code snippet to our Configure method in Startup.cs:

loggerFactory.AddApplicationInsights(app.ApplicationServices, logLevel); References:

<https://blog.computecloud.com/enabling-application-insights-trace-logging-in-asp-net-core/>

### NEW QUESTION 27

- (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	Answer area
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.	

- 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 31

- (Exam Topic 3)

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

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

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

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

Actions		Answer Area
Use AZCopy to copy the data to the new storage account.		
Deploy the template to create a new storage account in the target region.		
Export a Resource Manager template.	⬅	⬆
Create a new template deployment.	➡	⬇
Modify the template by changing the storage account name and region.		

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

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

The steps are:

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

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

Reference:

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

### NEW QUESTION 32

- (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 35

- (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</div> <div>OrderBy</div> <div>SearchMode</div>
Organize results by counts for name-value pairs.	<div>Facets</div> <div>Filter</div> <div>SearchMode</div>
List hotels within a specified distance to an airport and that fall within a specific price range.	<div>Order by</div> <div>Top</div> <div>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 38

- (Exam Topic 3)

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

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

NOTE: Each correct selection is worth one point.

A. Include the managers group.

B. Exclude the managers group.

C. Exclude the administrators group.

D. Navigate to the following URL:  
 PUT <https://management.azure.com/subscriptions/00000000-1111-2222-3333-444444444444/resourceGroups/rg01/providers/Microsoft.Sql/servers/server01/databases/customers/transparentDataEncryption/current?api-version=2014-04-01>

E. Run the following Azure PowerShell command:  
 New-AzureRmSqlDatabaseDataMaskingRule -SchemaName "dbo" -TableName "customers" -ColumnName "ssn" -MaskingFunction "Default"

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

**Answer: BE**

#### Explanation:

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

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

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

References:

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



#### NEW QUESTION 42

- (Exam Topic 3)

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

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

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

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

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

NOTE: Each correct selection is worth one point.

### Settings

client\_id

delegated

profile

application

user\_impersonation

### Answer Area

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

- A. Mastered  
 B. Not Mastered

Answer: A

#### Explanation:

Box 1: user\_impersonation

Box 2: delegated Example:

- \* 1. Select the API permissions section
- \* 2. Click the Add a permission button and then: Ensure that the My APIs tab is selected
- \* 3. In the list of APIs, select the API TodoListService-aspnetcore.
- \* 4. In the Delegated permissions section, ensure that the right permissions are checked: user\_impersonation. 5. Select the Add permissions button.

Box 3: delegated Example

- \* 1. Select the API permissions section
- \* 2. Click the Add a permission button and then, Ensure that the Microsoft APIs tab is selected
- \* 3. In the Commonly used Microsoft APIs section, click on Microsoft Graph
- \* 4. In the Delegated permissions section, ensure that the right permissions are checked: User.Read. Use the search box if necessary.
- \* 5. Select the Add permissions button

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

#### NEW QUESTION 46

- (Exam Topic 3)

You are working for Contoso, Ltd.

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

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

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

NOTE: Each correct selection is worth one point.

Answer Area

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 48

- (Exam Topic 3)  
You are developing an application. You have an Azure user account that has access to two subscriptions. You need to retrieve a storage account key secret from Azure Key Vault.  
In which order should you arrange the PowerShell commands to develop the solution? To answer, move all commands from the list of commands to the answer area and arrange them in the correct order.

Powershell commands

Answer Area

```
$secretvalue = ConvertTo-SecureString  
$storAcctkey -AsPlainText  
-Force  
Set-AzKeyVaultSecret -VaultName  
$vaultName -Name $secretName  
-SecretValue $secretvalue
```

```
Get-AzStorageAccountKey -  
ResourceGroupName $resGroup -Name  
$storAcct
```

```
Set-AzContext -SubscriptionId  
$subscriptionID
```

```
Get-AzKeyVaultSecret -VaultName  
$vaultName
```

```
Get-AzSubscription
```



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: Get-AzSubscription  
If you have multiple subscriptions, you might have to specify the one that was used to create your key vault. Enter the following to see the subscriptions for your

account:

Get-AzSubscription

Step 2: Set-AzContext -SubscriptionId

To specify the subscription that's associated with the key vault you'll be logging, enter: Set-AzContext -SubscriptionId <subscriptionID>

Step 3: Get-AzStorageAccountKey You must get that storage account key.

Step 4: \$secretvalue = ConvertTo-SecureString <storageAccountKey> -AsPlainText -Force

Set-AzKeyVaultSecret -VaultName <vaultName> -Name <secretName> -SecretValue \$secretvalue After retrieving your secret (in this case, your storage account key), you must convert that key to a secure

string, and then create a secret with that value in your key vault.

Step 5: Get-AzKeyVaultSecret

Next, get the URI for the secret you created. You'll need this URI in a later step to call the key vault and retrieve your secret. Run the following PowerShell command and make note of the ID value, which is the secret's URI:

Get-AzKeyVaultSecret -VaultName <vaultName> Reference:

https://docs.microsoft.com/bs-latn-ba/Azure/key-vault/key-vault-key-rotation-log-monitoring

## NEW QUESTION 50

- (Exam Topic 3)

You plan to deploy a new application to a Linux virtual machine (VM) that is hosted in Azure.

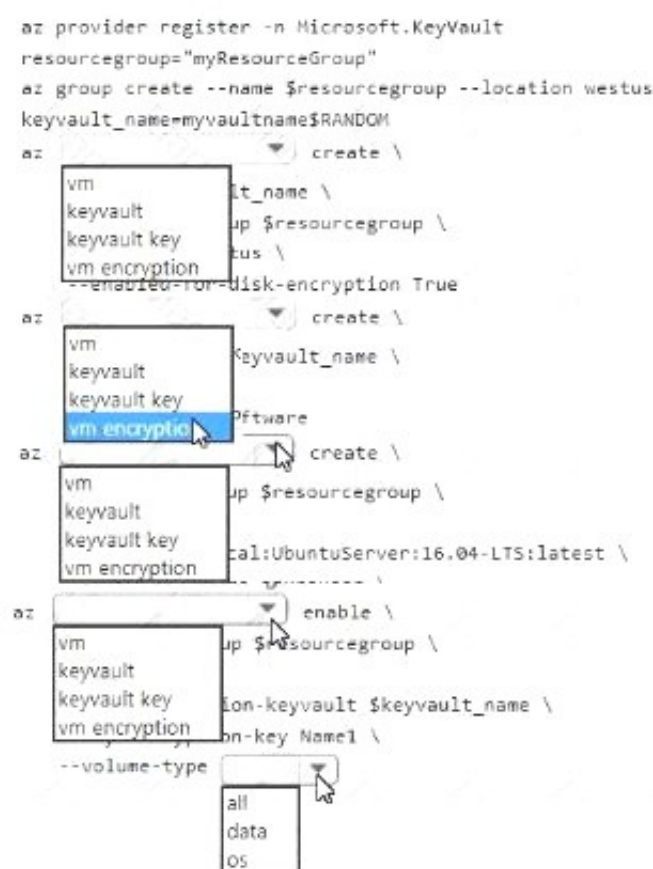
The entire VM must be secured at rest by using industry-standard encryption technology to address organizational security and compliance requirements.

You need to configure Azure Disk Encryption for the VM.

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.

Answer Area



- A. Mastered
- B. Not Mastered

Answer: A

## Explanation:

Box 1: keyvault

Create an Azure Key Vault with `az keyvault create` and enable the Key Vault for use with disk encryption. Specify a unique Key Vault name for `keyvault_name` as follows:

```
keyvault_name=myvaultname$RANDOM az keyvault create \
--name $keyvault_name \
--resource-group $resourcegroup \
--location eastus \
--enabled-for-disk-encryption True
```

Box 2: keyvault key

The Azure platform needs to be granted access to request the cryptographic keys when the VM boots to decrypt the virtual disks. Create a cryptographic key in your Key Vault with `az keyvault key create`. The following example creates a key named `myKey`:

```
az keyvault key create \
--vault-name $keyvault_name \
--name myKey \
--protection software
```

Box 3: vm

Create a VM with `az vm create`. Only certain marketplace images support disk encryption. The following example creates a VM named `myVM` using an Ubuntu 16.04 LTS image:

```
az vm create \
--resource-group $resourcegroup \
--name myVM \
--image Canonical:UbuntuServer:16.04-LTS:latest \
--admin-username azureuser \
--generate-ssh-keys \
```

Box 4: vm encryption

Encrypt your VM with `az vm encryption enable`: `az vm encryption enable \`

```
--resource-group $resourcegroup \
--name myVM \
```

```
--disk-encryption-keyvault $keyvault_name \  
--key-encryption-key myKey \  
--volume-type all
```

Note: seems to an error in the question. Should have enable instead of create. Box 5: all

Encrypt both data and operating system.

References:

<https://docs.microsoft.com/bs-latn-ba/azure/virtual-machines/linux/encrypt-disks>

### NEW QUESTION 52

- (Exam Topic 3)

You develop Azure solutions.

You must connect to a No-SQL globally-distributed database by using the .NET API. You need to create an object to configure and execute requests in the database. Which code segment should you use?

- A. new Container(EndpointUri, PrimaryKey);
- B. new Database(Endpoint, PrimaryKey);
- C. new CosmosClient(EndpointUri, PrimaryKey);

**Answer:** C

**Explanation:**

Example:

```
// Create a new instance of the Cosmos Client
```

```
this.cosmosClient = new CosmosClient(EndpointUri, PrimaryKey)
```

```
//ADD THIS PART TO YOUR CODE
```

```
await this.CreateDatabaseAsync(); Reference:
```

<https://docs.microsoft.com/en-us/azure/cosmos-db/sql-api-get-started>

### NEW QUESTION 54

- (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 55

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