



Microsoft

Exam Questions AZ-204

Developing Solutions for Microsoft Azure (beta)

NEW QUESTION 1

- (Exam Topic 1)

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

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

Answer Area

Option	Value
Tier	<div style="border: 1px solid black; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="padding: 2px;"> <p>Standard</p> <p>Premium</p> </div> </div>
Profile	<div style="border: 1px solid black; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="padding: 2px;"> <p>Akamai</p> <p>Microsoft</p> </div> </div>
Optimization	<div style="border: 1px solid black; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="padding: 2px;"> <p>general web delivery</p> <p>large file download</p> <p>dynamic site acceleration</p> <p>video-on-demand media streaming</p> </div> </div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Scenario: Shipping website

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

Tier: Standard Profile: Akamai

Optimization: Dynamic site acceleration

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

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

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

Reference:

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

NEW QUESTION 2

- (Exam Topic 1)

You need to 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 style="border: 1px solid black; padding: 2px;"> Basic Standard Premium Isolated </div>
Instance Count	<div style="border: 1px solid black; padding: 2px;"> 1 10 20 100 </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 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
```

cors
 config
 deployment

add
 up
 remove

--

http://*.wideworldimporters.com
 http://test-shippingapi.wideworldimporters.com
 http://test.wideworldimporters.com
 http://www.wideworldimporters.com

- 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 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 style="border: 1px solid black; padding: 2px;"> <div style="border-bottom: 1px solid black; height: 20px; margin-bottom: 2px;"></div> <div style="border-bottom: 1px solid black; padding: 2px;">Azure Site Recovery</div> <div style="border-bottom: 1px solid black; padding: 2px;">Azure Backup</div> <div style="border-bottom: 1px solid black; padding: 2px;">Azure Data Box</div> <div style="padding: 2px;">Azure Migrate</div> </div>
Performance	<div style="border: 1px solid black; padding: 2px;"> <div style="border-bottom: 1px solid black; height: 20px; margin-bottom: 2px;"></div> <div style="border-bottom: 1px solid black; padding: 2px;">Azure Network Watcher</div> <div style="border-bottom: 1px solid black; padding: 2px;">Azure Traffic Manager</div> <div style="border-bottom: 1px solid black; padding: 2px;">ExpressRoute</div> <div style="padding: 2px;">Accelerated Networking</div> </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 5

- (Exam Topic 3)
 Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
 After you answer a question in this question, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
 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 6

- (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 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 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 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.

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 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 15

- (Exam Topic 3)

You develop and deploy a Java RESTful API to Azure App Service.

You open a browser and navigate to the URL for the API. You receive the following error message:

```
Failed to load http://api.azurewebsites.net:6000/#/api/Products: No 'Access-Control-Allow-Origin' header is present on the requested resource. Origin 'http://localhost:6000' is therefore not allowed access
```

You need to resolve the error.

What should you do?

- A. Bind an SSL certificate
- B. Enable authentication
- C. Enable CORS
- D. Map a custom domain
- E. Add a CDN

Answer: C

Explanation:

We need to enable Cross-Origin Resource Sharing (CORS). References:

<https://medium.com/@xinganwang/a-practical-guide-to-cors-51e8fd329a1f>

NEW QUESTION 16

- (Exam Topic 3)

You are preparing to deploy a medical records application to an Azure virtual machine (VM). The application will be deployed by using a VHD produced by an on-premises build server.

You need to ensure that both the application and related data are encrypted during and after deployment to Azure.

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

Actions	Answer area
Encrypt the on-premises VHD by using BitLocker without a TPM. Upload the VM to Azure Storage.	Encrypt the on-premises VHD by using BitLocker without a TPM. Upload the VM to Azure Storage.
Run the Azure PowerShell command <code>Set-AzureRmVMDiskEncryptionExtension</code> .	
Run the Azure PowerShell command <code>Set-AzureRmVMOSDisk</code> .	Run the Azure PowerShell command <code>Set-AzureRmVMOSDisk</code> .
Encrypt the on-premises VHD by using BitLocker with a TPM. Upload the VM to Azure Storage.	
Run the Azure PowerShell command <code>New-AzureRmVM</code> .	Run the Azure PowerShell command <code>Set-AzureRmVMDiskEncryptionExtension</code> .

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

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

`$osDiskName = $vmname+'_osDisk'`

`$osDiskCaching = 'ReadWrite'`

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

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

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

Incorrect:

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

References:

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

NEW QUESTION 20

- (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

▼

- 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.
```

▼

- SendWindowsNativeNotificationAsync
- SubmitNotificationHubJobAsync
- ScheduleNotificationAsync
- SendAppleNativeNotificationAsync

(windowsToastPayload);

```

}
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 23

- (Exam Topic 3)

You are developing an ASP.NET Core Web API web service. The web service uses Azure Application Insights for all telemetry and dependency tracking. The web service reads and writes data to a database other than Microsoft SQL Server.

You need to ensure that dependency tracking works for calls to the third-party database.

Which two Dependency Telemetry properties should you store in the database? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Telemetry.Context.Operation.Id
- B. Telemetry.Context.Cloud.RoleInstance
- C. Telemetry.Id
- D. Telemetry.ContextSession.Id
- E. Telemetry.Name

Answer: AC

Explanation:

References:
<https://docs.microsoft.com/en-us/azure/azure-monitor/app/custom-operations-tracking>

NEW QUESTION 28

- (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 33

- (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 36

- (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 38

- (Exam Topic 3)

You are developing an application that uses Azure Storage Queues. You have the following code:

```
CloudStorageAccount storageAccount = CloudStorageAccount.Parse
(CloudConfigurationManager.GetSetting("StorageConnectionString"));
CloudQueueClient queueClient = storageAccount.CreateCloudQueueClient()

CloudQueue queue = queueClient.GetQueueReference("appqueue") ;
await queue.CreateIfNotExistsAsync() ;

CloudQueueMessage peekedMessage = await queue.PeekMessageAsync() ;
if (peekedMessage != null)
{
    Console.WriteLine("The peeked message is: {0}", peekedMessage.AsString);
}
CloudQueueMessage message = await queue.GetMessageAsync() ;
```

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 code configures the lock duration for the queue.	<input type="radio"/>	<input type="radio"/>
The last message read remains in the queue after the code runs.	<input type="radio"/>	<input type="radio"/>
The storage queue remains in the storage account after the code runs.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: No

The QueueDescription.LockDuration property gets or sets the duration of a peek lock; that is, the amount of time that the message is locked for other receivers. The maximum value for LockDuration is 5 minutes; the default value is 1 minute.

Box 2: Yes

You can peek at the message in the front of a queue without removing it from the queue by calling the PeekMessage method.

Box 3: Yes Reference:

<https://docs.microsoft.com/en-us/azure/storage/queues/storage-dotnet-how-to-use-queues> <https://docs.microsoft.com/en-us/dotnet/api/microsoft.servicebus.messaging.queuedescription.lockduration>

NEW QUESTION 39

- (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 = 
  
  var i = r.getBody();
  
  
  
}
```

- 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 44

- (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 47

- (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.computedcloud.com/enabling-application-insights-trace-logging-in-asp-net-core/>

NEW QUESTION 52

- (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 BlockBlobStorage 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 53

- (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 54

- (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	https://github.com/Contos/webapp
\$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 58

- (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 63

- (Exam Topic 3)

You develop an ASP.NET Core MVC application. You configure the application to track webpages and custom events. You need to identify trends in application usage.

Which Azure Application Insights Usage Analysis features should you use? To answer, drag the appropriate features to the correct requirements. Each feature 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.

Requirement	Feature
Which pages visited by users most often correlate to a product purchase?	<input type="text"/>
How does load time of the product display page affect a user's decision to purchase a product?	<input type="text"/>
Which events most influence a user's decision to continue to use the application?	<input type="text"/>
Are there places in the application that users often perform repetitive actions?	<input type="text"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box1: Users Box 2: Impact

One way to think of Impact is as the ultimate tool for settling arguments with someone on your team about how slowness in some aspect of your site is affecting whether users stick around. While users may tolerate a certain amount of slowness, Impact gives you insight into how best to balance optimization and performance to maximize user conversion.

Box 3: Retention

The retention feature in Azure Application Insights helps you analyze how many users return to your app, and how often they perform particular tasks or achieve goals. For example, if you run a game site, you could compare the numbers of users who return to the site after losing a game with the number who return after winning. This knowledge can help you improve both your user experience and your business strategy.

Box 4: User flows

The User Flows tool visualizes how users navigate between the pages and features of your site. It's great for answering questions like:

How do users navigate away from a page on your site? What do users click on a page on your site?

Where are the places that users churn most from your site?

Are there places where users repeat the same action over and over?

NEW QUESTION 68

- (Exam Topic 3)

Your company has several websites that use a company logo image. You use Azure Content Delivery Network (CDN) to store the static image.

You need to determine the correct process of how the CDN and the Point of Presence (POP) server will distribute the image and list the items in the correct order.

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

Actions	Answer Area
A user requests the image from the CDN URL. The DNS routes the request to the best performing POP location.	
Subsequent requests for the file may be directed to the same POP using the CDN logo image URL. The POP edge server returns the files from cache if the TTL has not expired.	<input type="text"/>
If no edge servers in the POP have the image in cache, the POP requests the file from the origin server.	<input type="text"/>
The origin server returns the logo image to an edge server in the POP. An edge server in the POP caches the logo image and returns the image to the client.	<input type="text"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: A user requests the image..

A user requests a file (also called an asset) by using a URL with a special domain name, such as <endpoint name>.azureedge.net. This name can be an endpoint hostname or a custom domain. The DNS routes the request to the best performing POP location, which is usually the POP that is geographically closest to the user.

Step 2: If no edge servers in the POP have the..

If no edge servers in the POP have the file in their cache, the POP requests the file from the origin server. The origin server can be an Azure Web App, Azure Cloud Service, Azure Storage account, or any publicly accessible web server.

Step 3: The origin server returns the..

The origin server returns the file to an edge server in the POP.

An edge server in the POP caches the file and returns the file to the original requestor (Alice). The file remains cached on the edge server in the POP until the time-to-live (TTL) specified by its HTTP headers expires. If the origin server didn't specify a TTL, the default TTL is seven days.

Step 4: Subsequent requests for..

Additional users can then request the same file by using the same URL that the original user used, and can also be directed to the same POP.

If the TTL for the file hasn't expired, the POP edge server returns the file directly from the cache. This process results in a faster, more responsive user experience.

References:

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

NEW QUESTION 73

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

- 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 78

- (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.	<ul style="list-style-type: none"> Azure PowerShell Visual Studio command prompt Azure Migrate Azure Backup
Store images.	<ul style="list-style-type: none"> Azure Blob Storage Azure Data Lake Storage Azure File Storage Azure Table Storage

- 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 81

- (Exam Topic 3)

You are writing code to create and run an Azure Batch job. You have created a pool of compute nodes.

You need to choose the right class and its method to submit a batch job to the Batch service. Which method should you use?

- A. JobOperations.CreateJobO
- B. CloudJob.Enable(IEnumerable<BatchClientBehavior>)
- C. CloudJob.CommitAsync(IEnumerable<BatchClientBehavior>, CancellationToken)
- D. JobOperations.EnableJob(String, IEnumerable<BatchClientBehavior>)
- E. JobOperations.EnableJobAsync(Strin
- F. IEnumerable<BatchClientBehavior>. CancellationToken)

Answer: C

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.

The Commit method submits the job to the Batch service. Initially the job has no tasks.

```
{
CloudJob job = batchClient.JobOperations.CreateJob(); job.Id = JobId;
job.PoolInformation = new PoolInformation { PoolId = PoolId }; job.Commit();
}
```

References:

<https://docs.microsoft.com/en-us/azure/batch/quick-run-dotnet>

NEW QUESTION 83

- (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 88

- (Exam Topic 3)

You are preparing to deploy an application to an Azure Kubernetes Service (AKS) cluster. The application must only be available from within the VNet that includes the cluster. You need to deploy the application.

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

NOTE: Each correct selection is worth one point.

Code segments

- Ingress
- Service
- LoadBalancer
- Deployment
- ingress.class
- azure-load-balancer-internal

Answer Area

```

apiVersion: v1
kind: Code segment
metadata:
  name: web-app
  annotations:
    service.beta.kubernetes. Code segment : "true"
spec:
  type: Code segment
  ports:
  - port: 80
  selector:
    app: web-app
  
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

```

YAML:
apiVersion: v1 kind: Service metadata:
name: internal-app annotations:
service.beta.kubernetes.io/azure-load-balancer-internal: "true" spec:
type: LoadBalancer ports:
- port: 80 selector:
app: internal-app
References:
https://docs.microsoft.com/en-us/azure/aks/internal-lb
  
```

NEW QUESTION 90

- (Exam Topic 3)

You have an Azure App Services Web App. Azure SQL Database instance. Azure Storage Account and an Azure Redis Cache instance in a resource group.

A developer must be able to publish code to the web app. You must grant the developer the Contributor role to the web app

You need to grant the role.

What two commands can you use? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

- A. New-AzureRmRoleAssignment
- B. az role assignment create
- C. az role definition create
- D. New-AzureRmRoleDefinition

Answer: AB

Explanation:

```

References:
https://docs.microsoft.com/en-us/cli/azure/role/assignment?view=azure-cli-latest#az-role-assignment-create https://docs.microsoft.com/en-us/powershell/module/azurerm.resources/new-azureroleassignment?view=azur
  
```

NEW QUESTION 91

- (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 93

- (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 95

- (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

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 97

- (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 Service application that processes queue data when it receives a message from a mobile application. Messages may not be sent to the service consistently. You have the following requirements:

- > Queue size must not grow larger than 80 gigabytes (GB).

- > Use first-in-first-out (FIFO) ordering of messages.
- > Minimize Azure costs.

You need to implement the messaging solution.

Solution: Use the .Net API to add a message to an Azure Service Bus Queue from the mobile application. Create an Azure Function App that uses an Azure Service Bus Queue trigger.

Does the solution meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

You can create a function that is triggered when messages are submitted to an Azure Storage queue.

Reference:

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

NEW QUESTION 98

- (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 100

- (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 102

- (Exam Topic 3)

You plan to deploy a web app to App Service on Linux. You create an App Service plan. You create and push a custom Docker image that image that contains the web app to Azure Container Registry.

You need to access the console logs generated from inside the container in real-time.

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

NOTE: Each correct selection is worth one point.

The screenshot shows the Azure CLI interface with two command completion boxes. The first box is for the command `az webapp log` with arguments `--name ContosoWeb --resource-group ContosoDevRG`. The dropdown menu shows options: `config`, `download`, `show`, and `tail`. The second box is for the command `az log` with the same arguments. The dropdown menu shows options: `webapp`, `acr`, and `aks`. A separate dropdown menu for `filesystem` shows options: `--web-server-logging`, `--docker-container-logging`, and `--application-logging`.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: config
 To Configure logging for a web app use the command: `az webapp log config`
 Box 2: `--docker-container-logging` Syntax include:
`az webapp log config [--docker-container-logging {filesystem, off}]` Box 3: webapp
 To download a web app's log history as a zip file use the command: `az webapp log download`
 Box 4: download References:
<https://docs.microsoft.com/en-us/cli/azure/webapp/log>

NEW QUESTION 106

- (Exam Topic 3)

You have a web app named MainApp. You are developing a triggered App Service background task by using the WebJobs SDK. This task automatically invokes a function code whenever any new data is received in a queue.

You need to configure the services.

Which service should you use for each scenario? To answer, drag the appropriate services to the correct scenarios. Each service 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.

Services	Scenario	Service
Logic Apps	Process a queue data item.	<input type="text"/>
WebJobs	Manage all code segments from the same DevOps environment.	<input type="text"/>
Flow		

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

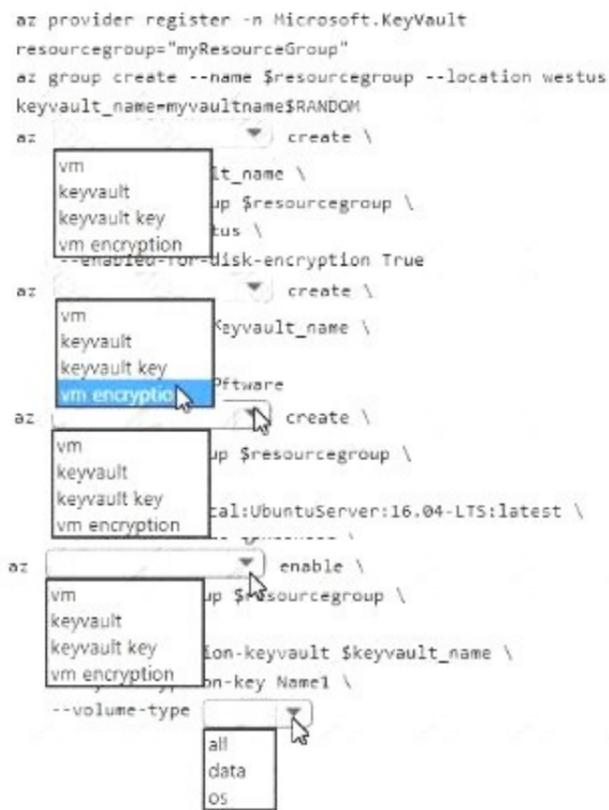
Box 1: WebJobs
 A WebJob is a simple way to set up a background job, which can process continuously or on a schedule. WebJobs differ from a cloud service as it gives you get less fine-grained control over your processing environment, making it a more true PaaS service.
 Box 2: Flow

NEW QUESTION 108

- (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 be 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 110

- (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 112

- (Exam Topic 3)

ASP.NET Core API app by using C#. The API app will allow users to authenticate by using Twitter and Azure Active Directory (Azure AD).

Users must be authenticated before calling API methods. You must log the user's name for each method call. You need to configure the API method calls.

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

Code segment	Value
Attribute	<div style="border: 1px solid gray; padding: 5px;"> <div style="border-bottom: 1px solid gray; padding-bottom: 5px;"> <input type="text"/> </div> <div style="padding: 5px;"> <p>Authorize</p> <p>AllowAnonymous</p> <p>AutoValidateAntiforgeryToken</p> </div> </div>
Request Header	<div style="border: 1px solid gray; padding: 5px;"> <div style="border-bottom: 1px solid gray; padding-bottom: 5px;"> <input type="text"/> </div> <div style="padding: 5px;"> <p>X-MS-CLIENT-PRINCIPAL-NAME</p> <p>Proxy-Authorization</p> <p>X-Forwarded-For</p> <p>X-MS-CLIENT-PRINCIPAL-ID</p> </div> </div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Authorize

Box 2: X-MS-CLIENT-PRINCIPAL-NAME

App Service passes user claims to your application by using special headers. External requests aren't allowed to set these headers, so they are present only if set by App Service. Some example headers include:

X-MS-CLIENT-PRINCIPAL-NAME X-MS-CLIENT-PRINCIPAL-ID

Here's the set of headers you get from Easy Auth for a Twitter authenticated user:

```
{
"cookie": "AppServiceAuthSession=Lx43...xHDTA==", "x-ms-client-principal-name": "evilSnobu",
"x-ms-client-principal-id": "35...", "x-ms-client-principal-idp": "twitter",
"x-ms-token-twitter-access-token": "35...Dj",
"x-ms-token-twitter-access-token-secret": "OK3...Jx",
}
```

References:

<https://docs.microsoft.com/en-us/azure/app-service/app-service-authentication-how-to>

NEW QUESTION 114

- (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 119

- (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 123

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