



Microsoft

Exam Questions AZ-204

Developing Solutions for Microsoft Azure (beta)

NEW QUESTION 1

- (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 2

- (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.

- 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 3

- (Exam Topic 1)

You need to secure the Shipping Function app.

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

NOTE: Each correct selection is worth one point.

Answer Area

Setting	Value
Authorization level	<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="border: 1px solid black; padding: 2px;"> Function Anonymous Admin </div> </div>
User claims	<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="border: 1px solid black; padding: 2px;"> JSON Web Token (JWT) Shared Access Signature (SAS) token API Key </div> </div>
Trigger type	<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="border: 1px solid black; padding: 2px;"> blob HTTP queue timer </div> </div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Scenario: Shipping Function app: Implement secure function endpoints by using app-level security and include Azure Active Directory (Azure AD).
 Box 1: Function
 Box 2: JSON based Token (JWT)
 Azure AD uses JSON based tokens (JWTs) that contain claims Box 3: HTTP
 How a web app delegates sign-in to Azure AD and obtains a token
 User authentication happens via the browser. The OpenID protocol uses standard HTTP protocol messages. References:
<https://docs.microsoft.com/en-us/azure/active-directory/develop/authentication-scenarios>

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="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="border: 1px solid black; padding: 2px;"> Azure Site Recovery Azure Backup Azure Data Box Azure Migrate </div> </div>
Performance	<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="border: 1px solid black; padding: 2px;"> Azure Network Watcher Azure Traffic Manager ExpressRoute 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)

You are developing an application that use an Azure blob named data to store application data. The application creates blob snapshots to allow application state to be reverted to an earlier state. The Azure storage account has soft deleted enabled.

The system performs the following operations in order:

- The blob is updated
- Snapshot 1 is created.
- Snapshot 2 is created.
- Snapshot 1 is deleted.

A system error then deletes the data blob and all snapshots. You need to determine which application states can be restored.

What is the restorability of the application data? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Application State	Restorability
Data blob	<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="border: 1px solid black; padding: 2px;"> <p>Can be restored</p> <p>Cannot be restored</p> </div> </div>
Snapshot 1	<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="border: 1px solid black; padding: 2px;"> <p>Can be restored</p> <p>Cannot be restored</p> </div> </div>
Snapshot 2	<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="border: 1px solid black; padding: 2px;"> <p>Can be restored</p> <p>Cannot be restored</p> </div> </div>

A. Mastered

B. Not Mastered

Answer: A

Explanation:

Box 1: Can be restored

When enabled, soft delete enables you to save and recover your data when blobs or blob snapshots are deleted. This protection extends to blob data that is erased as the result of an overwrite.

Box 2: Cannot be restored It has been deleted.

Box 3: Can be restored It has not been deleted. References:

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

NEW QUESTION 7

- (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 8

- (Exam Topic 3)

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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:

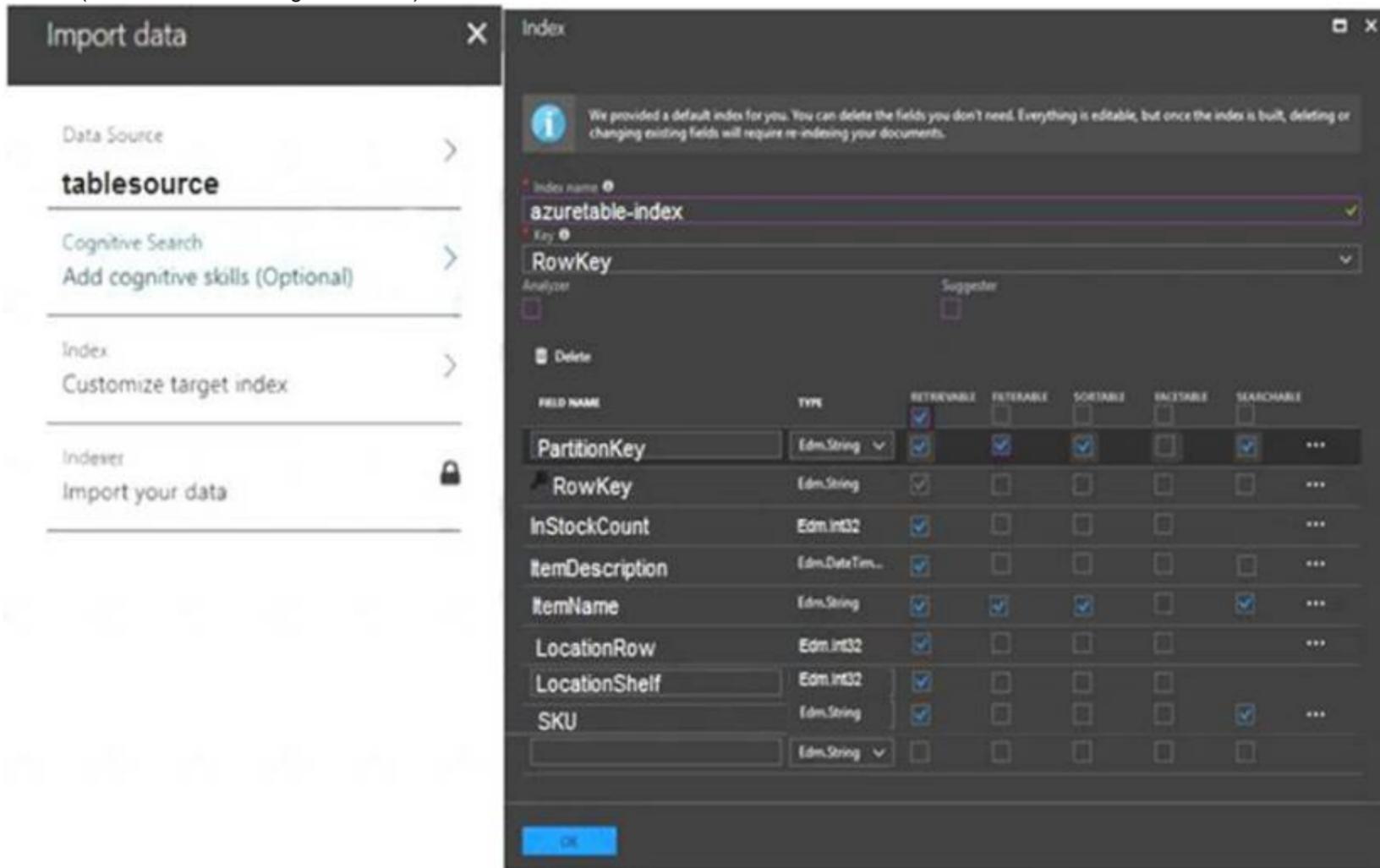
- * 1.Create a SearchIndexClient object to connect to the search index
- * 2.Create an IndexBatch that contains the documents which must be added.
- * 3. Call the Documents.Index method of the SearchIndexClient and pass the IndexBatch. References:
<https://docs.microsoft.com/en-us/azure/search/search-howto-dotnet-sdk>

NEW QUESTION 9

- (Exam Topic 3)

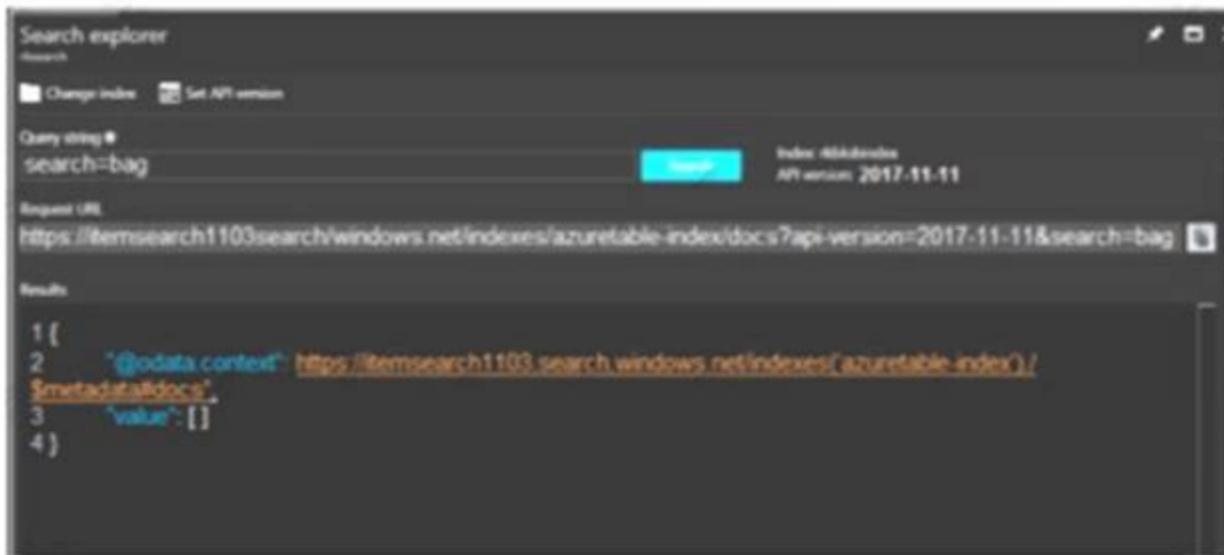
You are validating the configuration of an Azure Search indexer.

The service has been configured with an indexer that uses the Import Data option. The index is configured using options as shown in the Index Configuration exhibit. (Click the Index Configuration tab.)



You use an Azure table as the data source for the import operation. The table contains three records with item inventory data that matches the fields in the Storage data exhibit. These records were imported when the index was created. (Click the Storage Data tab.) When users search with no filter, all three records are displayed.

Category	RowKey	Timestamp	InStockCount	ItemDescription	ItemName	LocationRow	LocationShelf	SKU
Food	3	2018-08-25T15:47:29.135Z	32	A box of chocolate candy bars	Choco-bar	5	3	123421
Hardware	2	2018-08-25T15:46:08.402Z	2	A bag of bolts	Bolts	1	4	67894
Hardware	1	2018-08-25T15:46:41.402Z	23	A box of nails	Nails	2	1	65435



When users search for items by description, Search explorer returns no records. The Search Explorer exhibit shows the query and results for a test. In the test, a user is trying to search for all items in the table that have a description that contains the word bag. (Click the Search Explorer tab.) You need to resolve the issue.

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

	Yes	No
You can resolve the issue by recreating the search index with the same settings for all fields except ItemDescription. Select the SEARCHABLE option for this field	<input type="radio"/>	<input type="radio"/>
You can resolve the issue by selecting the index, editing the ItemDescription field, and selecting the SEARCHABLE option for the field.	<input type="radio"/>	<input type="radio"/>
You can resolve the issue by running the indexer.	<input type="radio"/>	<input type="radio"/>
You can resolve the issue by changing the query string in Search explorer to bag of to return the correct results	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Yes

The ItemDescription field in not searchable. Box 2: No

The ItemDescription field in not searchable, but we would need to recreate the index. Box 3: Yes

An indexer in Azure Search is a crawler that extracts searchable data and metadata from an external Azure data source and populates an index based on field-to-field mappings between the index and your data source. This approach is sometimes referred to as a 'pull model' because the service pulls data in without you having to write any code that adds data to an index.

Box 4: No References:

<https://docs.microsoft.com/en-us/azure/search/search-what-is-an-index> <https://docs.microsoft.com/en-us/azure/search/search-indexer-overview>

NEW QUESTION 10

- (Exam Topic 3)

Your company is developing an Azure API.

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

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

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

Answer: C

Explanation:

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

Reference:

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

NEW QUESTION 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 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 11

- (Exam Topic 3)

You have a web service that is used to pay for food deliveries. The web service uses Azure Cosmos DB as the data store.

You plan to add a new feature that allows users to set a tip amount. The new feature requires that a property named tip on the document in Cosmos DB must be present and contain a numeric value.

There are many existing websites and mobile apps that use the web service that will not be updated to set the tip property for some time.

How should you complete the trigger?

NOTE: Each correct selection is worth one point.

```
function ensureTip() {
var r = 

    _value();
    _readDocument('item');
    getContext().getRequest();
    getContext().getResponse();
var i = r.getBody();


    if (!("tip" in i)) {
    if (request.getValue("tip") === null){
    if (isNaN(i["tip"]) || i["tip"]=== null) {
    if (typeof _pluck("tip") == 'number') {
        i["tip"] = 0;
    }


    r.setBody(i);
    r.setValue(i);
    _upsertDocument(i);
    _replaceDocument(i)
}
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: getContext().getRequest(); Box 2: if(isNaN(i) ["tip"]) ..

In JavaScript, there are two ways to check if a variable is a number :

isNaN() – Stands for “is Not a Number”, if variable is not a number, it return true, else return false. typeof – If variable is a number, it will returns a string named “number”.

Box 3:r.setBody(i);

// update the item that will be created References:

<https://docs.microsoft.com/bs-latn-ba/azure/cosmos-db/how-to-write-stored-procedures-triggers-udfs>

<https://mkyong.com/javascript/check-if-variable-is-a-number-in-javascript/>

NEW QUESTION 13

- (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 16

- (Exam Topic 3)

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

- Code should be scalable and allow for growth.
- Each record must consist of a playerId, gameId, score, and time played.
- When users reach a new high score, the system will save the new score using the SaveScore function below.
- Each game is assigned an Id based on the series title.

You have the following code. (Line numbers are included for reference only.)

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

```
01 CloudTableClient tableClient = account.CreateCloudTableClient();
02 CloudTable table = tableClient.GetTableReference("people");
03 TableQuery<CustomerEntity> query = new TableQuery<CustomerEntity>()
04     .Where(TableQuery.CombineFilters(
05         TableQuery.Generate.And, TableQuery.GenerateFilterCondition(Email, QueryComparisons.Equal, "Smith")
06         TableOperators.And, TableQuery.GenerateFilterCondition(Email, QueryComparisons.Equal,
07         "ssmith@contoso.com")
08     ));
08 await table.ExecuteQuerySegmentedAsync<CustomerEntity>(query, null);
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Yes

Code for CosmosDB, example:

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

```
// Create the table client.
```

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

```
// Retrieve a reference to the table.
```

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

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

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

Box 3: No

No partition key is used. Box 4: Yes

References:

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

NEW QUESTION 18

- (Exam Topic 3)

You are using Azure Front Door Service.

You are expecting inbound files to be compressed by using Brotli compression. You discover that inbound XML files are not compressed. The files are 9 megabytes (MB) in size.

You need to determine the root cause for the issue.

To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: No

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

Box 2: No

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

Box 3: Yes

These profiles support the following compression encodings: Gzip (GNU zip), Brotli Reference:

<https://docs.microsoft.com/en-us/azure/frontdoor/front-door-caching>

NEW QUESTION 22

- (Exam Topic 3)

You develop a gateway solution for a public facing news API. The news API back end is implemented as a RESTful service and uses an OpenAPI specification. You need to ensure that you can access the news API by using an Azure API Management service instance. Which Azure PowerShell command should you run?

- A. Import-AzureRmApiManagementApi -Context \$ApiMgmtContext -SpecificationFormat "Swagger" -SpecificationPath \$SwaggerPath -Path \$Path
- B. New-AzureRmApiManagementBackend -Context \$ApiMgmtContext -Url \$Url -Protocol http
- C. New-AzureRmApiManagement -ResourceGroupName \$ResourceGroup -Name \$Name -Location \$Location -Organization \$Org -AdminEmail \$AdminEmail
- D. New-AzureRmApiManagementBackendProxy -Url \$ApiUrl

Answer: D

Explanation:

New-AzureRmApiManagementBackendProxy creates a new Backend Proxy Object which can be piped when creating a new Backend entity.

Example: Create a Backend Proxy In-Memory Object

```
PS C:\>$secpassword = ConvertTo-SecureString "PlainTextPassword" -AsPlainText -Force
```

```
PS C:\>$proxyCreds = New-Object System.Management.Automation.PSCredential ("foo", $secpassword) PS C:\>$credential = New-
```

```
AzureRmApiManagementBackendProxy -Url "http://12.168.1.1:8080"
```

```
-ProxyCredential $proxyCreds
```

```
PS C:\>$apimContext = New-AzureRmApiManagementContext -ResourceGroupName "Api-Default-WestUS" -ServiceName "contoso"
```

```
PS C:\>$backend = New-AzureRmApiManagementBackend -Context $apimContext -BackendId 123 -Url 'https://contoso.com/awesomeapi' -Protocol http -Title
```

```
"first backend" -SkipCertificateChainValidation $true
```

```
-Proxy $credential -Description "backend with proxy server"
```

Creates a Backend Proxy Object and sets up Backend

NEW QUESTION 23

- (Exam Topic 3)

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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 25

- (Exam Topic 3)

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

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

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

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

Answer Area

Scale rule ✕

Metric source

Storage queue

Service Bus queue

Current resource

Storage queue (classic)

Resource type

Service Bus Namespaces

Resource

MessageQueue1103

Queues

itemqueue

Criteria

Metric name

Message Count

Active Message Count

Time grain statistic 1 minute time grain

Total

Maximum

Average

Count

Comparison

Greater than

Greater than or equal to

Less than

Less than or equal to

Threshold

1000

Action

Operation

Increase count by

Increase count to

Decrease count by

Decrease count to

Instance count

1

Cool down (minutes)

5

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Service bus queue

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

Box 2: ActiveMessage Count

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

Box 4: Less than or equal to

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

Box 5: Decrease count by

NEW QUESTION 26

- (Exam Topic 3)

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

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

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

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

NOTE: Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: compositeIndexes

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

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

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

```

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

```

NEW QUESTION 31

- (Exam Topic 3)

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

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

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

D. Visual Studio

Answer: A

Explanation:

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

References:

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

NEW QUESTION 33

- (Exam Topic 3)

You are building a traffic monitoring system that monitors traffic along six highways. The system produces time series analysis-based reports for each highway. Data from traffic sensors are stored in Azure Event Hub.

Traffic data is consumed by four departments. Each department has an Azure Web App that displays the time-series-based reports and contains a WebJob that processes the incoming data from Event Hub. All Web Apps run on App Service Plans with three instances.

Data throughout must be maximized. Latency must be minimized. You need to implement the Azure Event Hub.

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

NOTE: Each correct selection is worth one point.

Setting	Value
Number of partitions	<div style="border: 1px solid black; padding: 2px;"> <div style="text-align: right; padding-right: 5px;">▼</div> <div style="padding: 2px;">3</div> <div style="padding: 2px;">4</div> <div style="padding: 2px;">6</div> <div style="padding: 2px;">12</div> </div>
Partition Key	<div style="border: 1px solid black; padding: 2px;"> <div style="text-align: right; padding-right: 5px;">▼</div> <div style="padding: 2px;">Highway</div> <div style="padding: 2px;">Department</div> <div style="padding: 2px;">Timestamp</div> <div style="padding: 2px;">VM name</div> </div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: 6

The number of partitions is specified at creation and must be between 2 and 32. There are 6 highways.

Box 2: Highway References:

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

NEW QUESTION 38

- (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 43

- (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 44

- (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 45

- (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 48

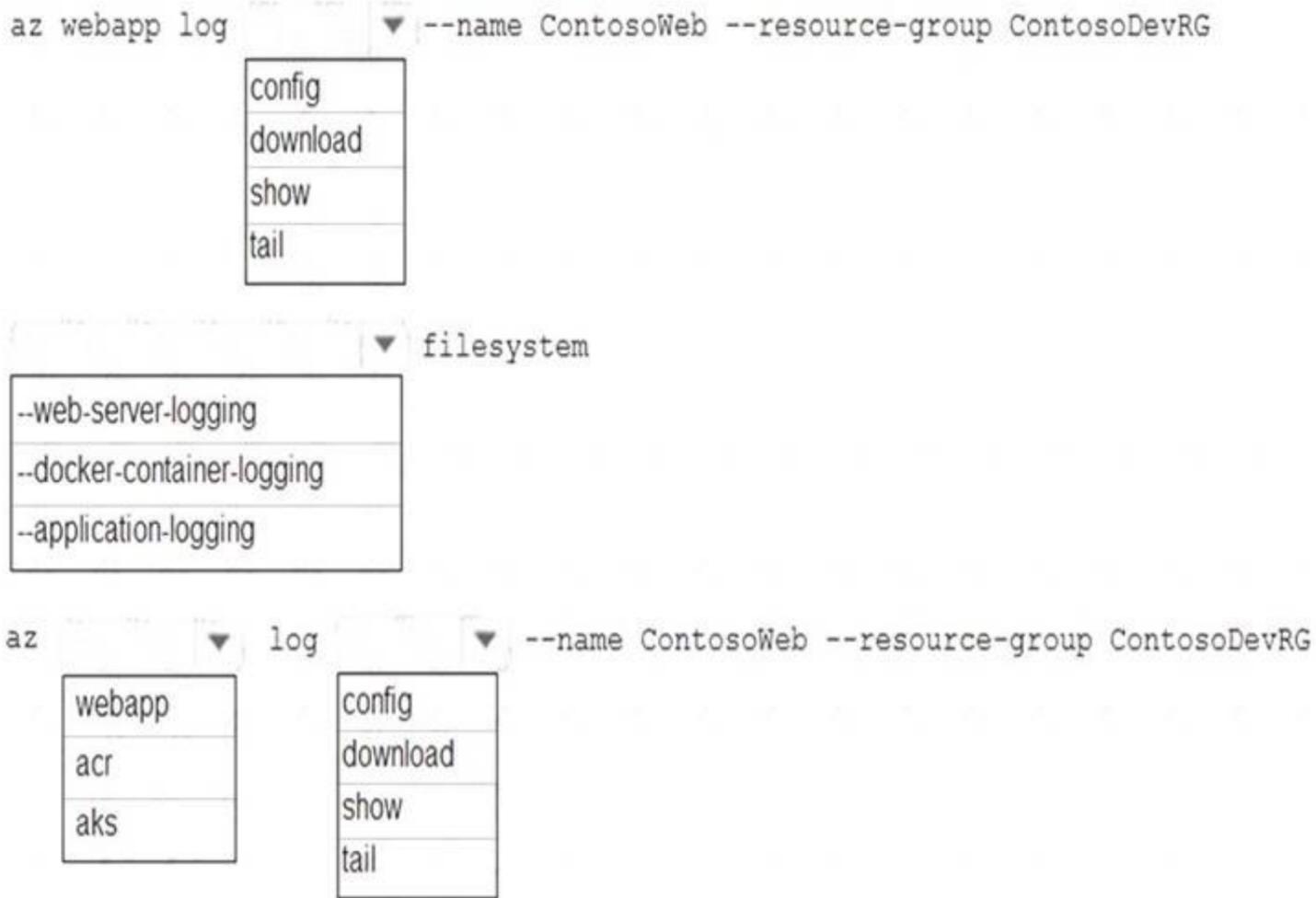
- (Exam Topic 3)

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.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

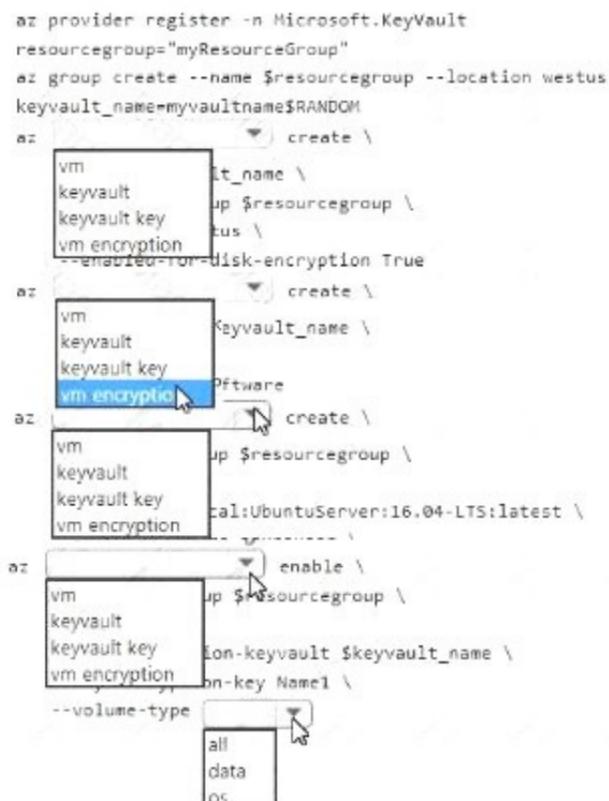
Box 1: config
 To Configure logging for a web app use the command: `az webapp log config`
 Box 2: `--docker-container-logging` Syntax include:
`az webapp log config [--docker-container-logging {filesystem, off}]`
 Box 3: webapp
 To download a web app's log history as a zip file use the command: `az webapp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

NEW QUESTION 49

- (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 53

- (Exam Topic 3)

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

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

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

You need to configure Azure CDN caching rules.

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

NOTE: Each correct selection is worth one point.

Answer Area

Setting	Action
Caching behavior	<div style="border: 1px solid gray; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="border: 1px solid gray; padding: 2px;"> <p>Bypass cache</p> <p>Override</p> <p>Set if missing</p> </div> </div>
Cache expiration duration	<div style="border: 1px solid gray; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="border: 1px solid gray; padding: 2px;"> <p>1 second</p> <p>1 minute</p> <p>1 hour</p> <p>1 day</p> </div> </div>
Query string caching behavior	<div style="border: 1px solid gray; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="border: 1px solid gray; padding: 2px;"> <p>Ignore query strings</p> <p>Bypass caching for query strings</p> <p>Cache every unique URL</p> </div> </div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Override

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

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

Incorrect:

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

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

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

Reference:

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

NEW QUESTION 54

- (Exam Topic 3)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals.

You are developing and deploying several ASP.Net web applications to Azure App Service. You plan to save session state information and HTML output. You must use a storage mechanism with the following requirements:

- Share session state across all ASP.NET web applications
- Support controlled, concurrent access to the same session state data for multiple readers and a single writer
- Save full HTTP responses for concurrent requests You need to store the information.

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

Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

NEW QUESTION 55

- (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 57

- (Exam Topic 3)

You are developing a solution for a hospital to support the following use cases:

- The most recent patient status details must be retrieved even if multiple users in different locations have updated the patient record.
- Patient health monitoring data retrieved must be the current version or the prior version.
- After a patient is discharged and all charges have been assessed, the patient billing record contains the final charges.

You provision a Cosmos DB NoSQL database and set the default consistency level for the database account to Strong. You set the value for Indexing Mode to Consistent.

You need to minimize latency and any impact to the availability of the solution. You must override the default consistency level at the query level to meet the required consistency guarantees for the scenarios.

Which consistency levels should you implement? To answer, drag the appropriate consistency levels to the correct requirements. Each consistency level 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.

Consistency levels		Answer Area
Strong	Bounded Staleness	Return the most recent patient status. <input type="text"/>
Consistent Prefix	Eventual	Return health monitoring data that is no less than one version behind. <input type="text"/>
		After patient is discharged and all changes are assessed, retrieve the correct billing data with the final charges <input type="text"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Strong

Strong: Strong consistency offers a linearizability guarantee. The reads are guaranteed to return the most recent committed version of an item. A client never sees an uncommitted or partial write. Users are always guaranteed to read the latest committed write.

Box 2: Bounded staleness

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. 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

Box 3: Eventual
 Eventual: There's no ordering guarantee for reads. In the absence of any further writes, the replicas eventually converge.

NEW QUESTION 61

.....

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