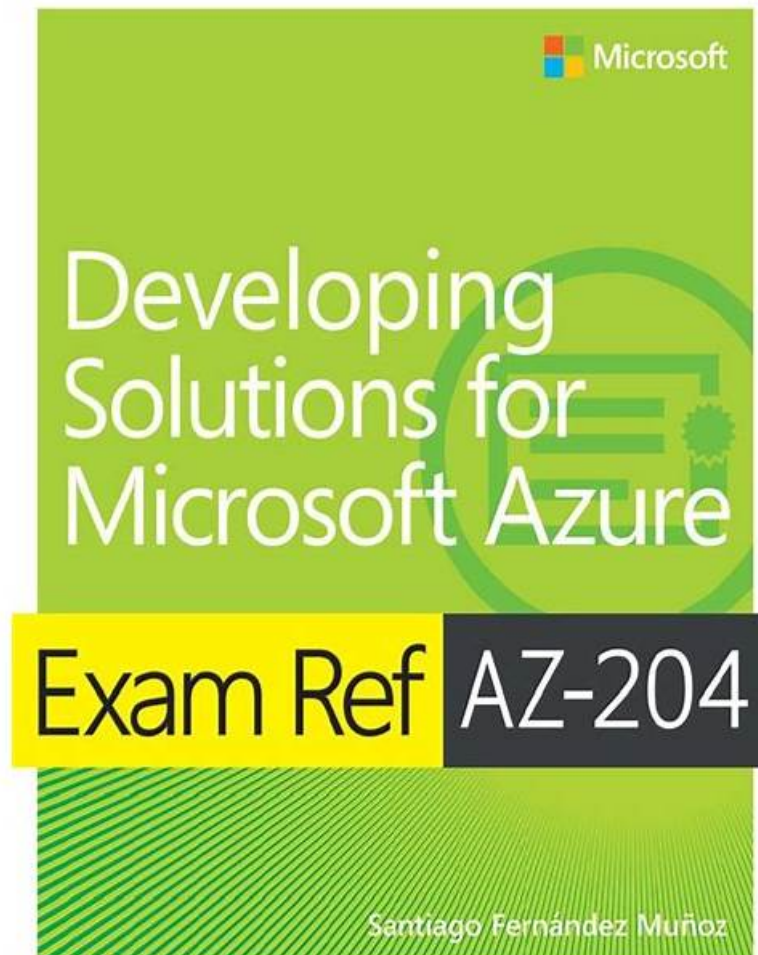


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Microsoft AZ-204 Exam Syllabus Topics:

Topic	Details
Develop Azure compute solutions (25-30%)	
Implement IaaS solutions	- provision virtual machines (VMs) - configure, validate, and deploy ARM templates - configure container images for solutions - publish an image to the Azure Container Registry - run containers by using Azure Container Instance
Create Azure App Service Web Apps	- create an Azure App Service Web App - enable diagnostics logging - deploy code to a web app - configure web app settings including SSL, API settings, and connection strings - implement autoscaling rules including scheduled autoscaling and autoscaling by operational or system metrics
Implement Azure functions	- create and deploy Azure Functions apps - implement input and output bindings for a function - implement function triggers by using data operations, timers, and webhooks - implement Azure Durable Functions - implement custom handlers
Develop for Azure storage (15-20%)	
Develop solutions that use Cosmos DB storage	- select the appropriate API and SDK for a solution - implement partitioning schemes and partition keys - perform operations on data and Cosmos DB containers - set the appropriate consistency level for operations - manage change feed notifications
Develop solutions that use blob storage	- move items in Blob storage between storage accounts or containers - set and retrieve properties and metadata - interact with data using the appropriate SDK - implement data archiving and retention
Implement Azure security (20-25%)	

Microsoft Developing Solutions for Microsoft Azure Sample Questions (Q249-Q254):

NEW QUESTION # 249

You develop two Python scripts to process data.

The Python scripts must be deployed to two, separate Linux containers running in an Azure Container Instance container group. The containers must access external data by using the Server Message Block (SMB) protocol. Containers in the container group must run only once You need to configure the Azure Container Instance.

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

NOTE: Each correct selection is worth one point.

Answer Area

Configuration Setting

Configuration Value

External data volume

Secret
Empty directory
Cloned git repo
Azure file share

Container restart policy

Never
Always
OnFailure

Answer:

Explanation:

Answer Area

Configuration Setting

Configuration Value

External data volume

Secret
Empty directory
Cloned git repo
Azure file share

Container restart policy

Never
Always
OnFailure

NEW QUESTION # 250

You need to insert code at line LE03 of LoginEvent.cs to ensure that all authentication events are processed correctly. How should you complete the code? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

public string (get; set;)

id
eventType
dataVersion
metadataVersion

public string (get; set;)

id
eventType
dataVersion
metadataVersion

public string (get; set;)

id
eventType
dataVersion
metadataVersion

Answer:

Explanation:

public string (get; set;)

id
eventType
dataVersion
metadataVersion

public string (get; set;)

id
eventType
dataVersion
metadataVersion

public string (get; set;)

id
eventType
dataVersion
metadataVersion

Reference:

<https://docs.microsoft.com/en-us/azure/event-grid/event-schema>

NEW QUESTION # 251

You are preparing to deploy a Python website to an Azure Web App using a container. The solution will use multiple containers in the same container group. The Dockerfile that builds the container is as follows:

```
FROM python:3
ADD website.py
CMD [ "python", "./website.py" ]
```

You build a container by using the following command. The Azure Container Registry instance named images is a private registry.

```
docker build -t images.azurecr.io/website:v1.0.0
```

The user name and password for the registry is

The Web App must always run the same version of the website regardless of future builds.

You need to create an Azure Web App to run the website.

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

NOTE: Each correct selection is worth one point.

```
az configure --defaults web=website
az configure --defaults group=website
az appservice plan create --name websitePlan
```

--sku SHARED
--tags container
--sku B1 --hyper-v
--sku B1 --is-linux

```
az webapp create --plan websitePlan
```

--deployment-source-url images.azurecr.io/website:v1.0.0
--deployment-source-url images.azurecr.io/website:latest
--deployment-container-image-name images.azurecr.io/website:v1.0.0
--deployment-container-image-name images.azurecr.io/website:latest

```
az webapp config
```

set --python-version 2.7 --generic-configurations user=admin password=admin
set --python-version 3.6 --generic-configurations user=admin password=admin
container set --docker-registry-server-url https://images.azurecr.io -u admin -p admin
container set --docker-registry-server-url https://images.azurecr.io/wsebsite -u admin -p admin

Answer:

Explanation:

```
az configure --defaults web=website
az configure --defaults group=website
az appservice plan create --name websitePlan
```

--sku SHARED
--tags container
--sku B1 --hyper-v
--sku B1 --is-linux

```
az webapp create --plan websitePlan
```

--deployment-source-url images.azurecr.io/website:v1.0.0
--deployment-source-url images.azurecr.io/website:latest
--deployment-container-image-name images.azurecr.io/website:v1.0.0
--deployment-container-image-name images.azurecr.io/website:latest

```
az webapp config
```

set --python-version 2.7 --generic-configurations user=admin password=admin
set --python-version 3.6 --generic-configurations user=admin password=admin
container set --docker-registry-server-url https://images.azurecr.io -u admin -p admin
container set --docker-registry-server-url https://images.azurecr.io/wsebsite -u admin -p admin

Explanation

```

az configure --defaults web=website
az configure --defaults group=website
az appservice plan create --name websitePlan
az webapp create --plan websitePlan
az webapp config

```

Box 1: --SKU B1 --hyper-v

--hyper-v

Host web app on Windows container.

Box 2: --deployment-source-url images.azurecr.io/website:v1.0.0

--deployment-source-url -u

Git repository URL to link with manual integration.

The Web App must always run the same version of the website regardless of future builds.

Incorrect:

--deployment-container-image-name -i

Linux only. Container image name from Docker Hub, e.g. publisher/image-name:tag.

Box 3: az webapp config container set -url https://images.azurecr.io -u admin -p admin az webapp config container set Set a web app container's settings.

Parameter: --docker-registry-server-url -r

The container registry server url.

The Azure Container Registry instance named images is a private registry.

Example:

az webapp config container set --docker-registry-server-url https://{azure-container-registry-name}.azurecr.io Reference:

<https://docs.microsoft.com/en-us/cli/azure/appservice/plan>

NEW QUESTION # 252

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. Add the path to the static content generation tool to WEBSITE_RUN_FROM_PACKAGE setting in the host.json file.
- D. Create a file named run.cmd in the folder /run that calls a script which generates the static content and deploys the website.

Answer: A,C

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.

<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 # 253

You are implementing an Azure solution that uses Azure Cosmos DB and the latest Azure Cosmos DB SDK.

You add a change feed processor to a new container instance.

You attempt to read a batch of 100 documents. The process fails when reading one of the documents. The solution must monitor the progress of the change feed processor instance on the new container as the change feed is read. You must prevent the change feed processor from retrying the entire batch when one document cannot be read.

You need to implement the change feed processor to read the documents.

Which 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. Each correct selection is worth one point.

Features

- Change feed estimator
- Dead-letter queue
- Deployment unit
- Lease container

Requirement

- Monitor the progress of the change feed processor.
- Prevent the change feed processor from retrying the entire batch when one document cannot be read.

Feature

- Feature
- Feature

Answer:

Explanation:

Features

- Change feed estimator
- Dead-letter queue
- Deployment unit
- Lease container

Requirement

- Monitor the progress of the change feed processor.
- Prevent the change feed processor from retrying the entire batch when one document cannot be read.

Feature

- Dead-letter queue
- Deployment unit

Explanation

Text, letter Description automatically generated

Requirement

- Monitor the progress of the change feed processor.
- Prevent the change feed processor from retrying the entire batch when one document cannot be read.

Feature

- Dead-letter queue
- Deployment unit

NEW QUESTION # 254

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