Microsoft

AZ-204

Developing Solutions for Microsoft Azure

QUESTION & ANSWERS

Case Study	Number of Questions	Total Question
Case Study: 1	10	1 – 10
Case Study: 2	12	11 – 22
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Total		264

Case Study: 1

Windows Server 2016 virtual machine

Current environment

Windows Server 2016 virtual machine

The virtual machine (VM) runs BizTalk Server 2016. The VM runs the following workflows:

Ocean Transport -- This workflow gathers and validates container information including container contents and arrival notices at various shipping ports.

Inland Transport -- This workflow gathers and validates trucking information including fuel usage, number of stops, and routes.

The VM supports the following REST API calls:

Container API -- This API provides container information including weight, contents, and other attributes.

Location API -- This API provides location information regarding shipping ports of call and tracking stops.

Shipping REST API -- This API provides shipping information for use and display on the shipping website.

Shipping Data

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

Shipping Web Site

Proposed solution

The on-premises shipping application must be moved to Azure. The VM has been migrated to a new Standard_D16s_v3 Azure VM by using Azure Site Recovery and must remain running in Azure to complete the BizTalk component migrations. You create a Standard_D16s_v3 Azure VM to host BizTalk Server. The Azure architecture diagram for the proposed solution is shown below:

Column	Description
UserId	unique identifier for and employee
ExpenseAccount	employees expense account number in the format 1234-123-1234
AllowedAmount	limit of allowed expenses before approval is needed
SupervisorId	unique identifier for employee's supervisor
SecurityPin	value used to validate user identity

Requirements

Shipping Logic app

The Shipping Logic app must meet the following requirements:

Support the ocean transport and inland transport workflows by using a Logic App.

Support industry-standard protocol X12 message format for various messages including vessel content details and arrival notices.

Secure resources to the corporate VNet and use dedicated storage resources with a fixed costing model.

Maintain on-premises connectivity to support legacy applications and final BizTalk migrations.

Shipping Function app

Implement secure function endpoints by using app-level security and include Azure Active Directory (Azure AD).

REST APIs

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

Secure resources to the corporate VNet.

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.

Shipping data

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

Shipping website

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

Issues

Windows Server 2016 VM

The VM shows high network latency, jitter, and high CPU utilization. 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.

Shipping website and REST APIs

The following error message displays while you are testing the website:

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.

Option	Value
Tier	Standard Premium
Profile	Akamai Microsoft
Optimization	general web delivery large file download dynamic site acceleration video-on-demand media streaming

Correct Answer:

Answer:

Option	Value
Tier	[▼] Standard Premium
Profile	[▼] Akamai Microsoft
Optimization	[▼] general web delivery large file download dynamic site acceleration video-on-demand media streaming

Explanation/Reference:

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

QUESTION 2

You need to retrieve the database connection string.
Which values should you use? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

REST API Endpoint:

https:// [▼] .vault.azure.net/secrets/ [▼] /
cpandlkeyvault
PostgreSQLConn
80df3e46ffcd4f1cb187f79905e9a1e8

cpandlkeyvault
PostgreSQLConn
80df3e46ffcd4f1cb187f79905e9a1e8

Variable type to access Azure Key Vault secret values:

[▼]
Environment
Session
ViewState
Querystring

Correct Answer:

REST API Endpoint:

https:// [▼] .vault.azure.net/secrets/ [▼] /

| cpandlkeyvault |
| PostgreSQLConn |
| 80df3e46ffcd4f1cb187f79905e9a1e8 |

| cpandlkeyvault |
| PostgreSQLConn |
| 80df3e46ffcd4f1cb187f79905e9a1e8 |

Variable type to access Azure Key Vault secret values:

[▼]

| Environment |
| Session |
| ViewState |
| Querystring |

Explanation/Reference:

https://docs.microsoft.com/en-us/rest/api/keyvault/getsecret/getsecret

QUESTION 3

You are developing Azure WebJobs.
You need to recommend a WebJob type for each scenario.
Which WebJob type should you recommend? To answer, drag the appropriate WebJob types to the correct scenarios. Each WebJob type may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.

WebJob types   **Scenario**   **WebJob type**

Run on all instances that the web app runs on.
Optionally restrict the WebJob to a single instance.   [ ]

[Triggered]

[Continuous]   Run on a single instance that Azure select for
load balancing.   [ ]

Supports remote debugging   [ ]

Correct Answer:

WebJob types	Scenario	WebJob type
	Run on all instances that the web app runs on. Optionally restrict the WebJob to a single instance.	Continuous
Triggered		
Continuous	Run on a single instance that Azure select for load balancing.	Triggered
	Supports remote debugging	Continuous

QUESTION 4

You have an application that provides weather forecasting data to external partners. You use Azure API Management to publish APIs.
You must change the behavior of the API to meet the following requirements:
* Support alternative input parameters.
* Remove formatting text from responses.
* Provide additional context to back-end services.
Which types of policies should you implement? To answer, drag the policy types to the correct scenarios. Each policy type may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content
NOTE: Each correct selection is worth one point

Policy types

Inbound
Outbound
Backend

Answer Area

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

Correct Answer:

Policy types
Inbound
Outbound
Backend

Answer Area

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

QUESTION 5

You are a developer for a SaaS company that offers many web services. All web services for the company must meet the following requirements: Use API Management to access the services Use OpenID Connect for authentication
Prevent anonymous usage
A recent security audit found that several web services can be called without any authentication. Which API Management policy should you implement?

A. jsonp
B. authentication-certificate
C. check-header
D. validate-jwt

Correct Answer:D

Explanation/Reference:

Add the validate-jwt policy to validate the OAuth token for every incoming request.
Incorrect Answers:
A: The jsonp policy adds JSON with padding (JSONP) support to an operation or an API to allow cross-domain calls from JavaScript browser-based clients. JSONP is a method used in JavaScript programs to request data from a server in a different domain. JSONP bypasses the limitation enforced by most web browsers where access to web pages must be in the same domain.
JSONP - Adds JSON with padding (JSONP) support to an operation or an API to allow cross-domain calls from JavaScript browser-based clients. https://docs.microsoft.com/en-us/azure/api-management/api-management-howto-protect-backend-with-aad

QUESTION 6

You have an application that uses Azure Blob storage.
You need to update the metadata of the blobs.
Which three methods should you use to develop the solution? To answer, move the appropriate methods from the list of methods to the answer area and arrange them in the correct order.

Methods

Methods
Metadata.Add
SetMetadataAsync
FetchAttributesAsync
UploadFileStream
SetPropertiesAsync

Answer Area

Answer Area
Metadata.Add
SetMetadataAsync
SetPropertiesAsync

Correct Answer:

Answer:

Methods

Methods
Metadata.Add
SetMetadataAsync
FetchAttributesAsync
UploadFileStream
SetPropertiesAsync

Answer Area

Answer Area
Metadata.Add
SetMetadataAsync
SetPropertiesAsync

Explanation/Reference:

https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-properties-metadata

QUESTION 7

You develop and deploy an Azure App Service --------- app. The web app accesses data in an Azure SQL database
You must update the web app to store frequently used data m a new Azure Cache for Redis Premium instance.
You need to implement the Azure Cache for Redis features.
Which feature should you implement? To answer, drag the appropriate feature to the correct requirements Each feature may be used once, more than once, or not at all You may need to -----------
-- between panes or scroll to view content.
NOTE Each correct selection is worth one point

Features | Answer Area

horizontal partitionin

channel

list

set

Requirement	Feature
Create a data structure for storing collections of related items.	
Create a data structure for storing the most recently accessed cache items.	
Send messages through a high-performance publisher/subscriber mechanism.	

Correct Answer:

Features | Answer Area

horizontal partitionin

channel

list

set

Requirement	Feature
Create a data structure for storing collections of related items.	list
Create a data structure for storing the most recently accessed cache items.	set
Send messages through a high-performance publisher/subscriber mechanism.	channel

QUESTION 8

You develop and deploy an Azure App Service web app named App1. You create a new Azure Key Vault named Vault 1. You import several API keys, passwords, certificates, and cryptographic keys into Vault1.

You need to grant App1 access to Vault1 and automatically rotate credentials Credentials must not be stored in code.

What should you do?

A. Enable App Service authentication for Appt. Assign a custom RBAC role to Vault1.
B. Add a TLS/SSL binding to App1.
C. Assign a managed identity to App1.
D. Upload a self-signed client certificate to Vault1. Update App1 to use the client certificate.

Correct Answer:B

Explanation/Reference:

QUESTION 9

Contoso, Ltd

Azure Active Directory

Contoso, Ltd. uses Azure Active Directory (Azure AD) for both internal and guestaccounts.

Requirements

ContentA..atysisService

The company's data sciencegroup built ContentAnalysisService whichaccepts user generated contentasa string andreturns a probable valuefor inappropriatecontent A.ny values over a sfiecific threshold must be reviewed by an employee of Contoso, Ltd.

You must create an Azure Functionrumed CheckUserContent to perform the content checks.

Costs

You must minimize com for all ..\zure services.

Manualreview

To review content, the user must authenticate to the ,vebsite portion of the Conet ntAnatysisService using their •**.\zure AD credentials. The website is built using Reactand all pages and ..\PI endpoints require authentication. Inorder to revie,v contenta usermu$t be part ofa ContentReviewerrole. All completed revie,1..-s must include the reviewers email address for auditing purposes.**

High availability

All services must runin **multiple regions. The failureof any service ina region must not impact** overall application availability.

Monitoring

An alertmust be raised if the ContentUploadService uses more than 80 percent of av-ailable CPU **cores.**

Security

You have the follo,vingsecurity requirements:

..\ny web service acce$$ible over the Internet must be protected from cross sitescripting attacks.

All websites andservices must use SSL from a valid root certificate authority.

.:\zure Storage access keys mustonly be stored inmemory and must be availableonly to the sen;ice.

All Internal services must only be accessible from internal Virtual Networks(VNets).

All parts of thesystem must support inbound and outbound traffic restrictions.

All service calls must be authenticated by using Azure AD.

Useragreements

Wben a user submbi   content, they must agree to a useragreement. The agreement allows employees of ContO$O, Ltd . to re view content, storecookie$on user devices, and track user'$ IP addresses.

Information regardingagreements is used by multiple divisions within Contoso,Ltd.

User responses must not be lost and must be available to all parties regardless of individual service uptime. The volumeof agreements is expected to be in the million$ per hour.

Validation testing

Wben a ne\Vve rsionof the ContentA.nalysisServiceis available the previous seven days of content must be processed v.rtih the new versionto verif),·that the new versiondoe$ not significantly deviatefromthe old version.

Iss ues

Usersof the ContentUploadService report that they occasionally see HTIP502 responses on specific pages.

Code

ContentUploadService

CS01 apiVersion: '2018-10-01'
CS02 type: Microsoft.ContainerInstance/containerGroups
CS03 location: westus
CS04 name: contentUploadService
CS05 properties:
CS06   containers:
CS07   - name: service
CS08   properties:
CS09   image: contoso/contentUploadService:latest
CS10   ports:
CS11   - port: 80
CS12   protocol: TCP
CS13   resources:
CS14   requests:
CS15   cpu: 1.0
CS16   memoryInGB: 1.5
CS17
CS18 ipAddress:
CS19   ip: 10.23.121.112
CS20   ports:
CS21   - port: 80
CS22   protocol: TCP
CS23
CS24
CS25 networkProfile:
CS26
id: /subscriptions/98...19/resourceGroups/container/providers/Microsoft.Network/networkProfiles/subnet

AM01 {
AM02   "id" : "2b079f03-9b06-2d44-98bb-e9182901fcb6",
AM03   "appId" : "7118a7f0-b5c2-4c9d-833c-3d711396fe65",
AM04
AM05   "createdDateTime" : "2019-12-24T06:01:44Z",
AM06   "logoUrl" : null,
AM07   "logoutUrl" : null,
AM08   "name" : "ContentAnalysisService",
AM09
AM10
AM11   "orgRestrictions" : [],
AM12   "parentalControlSettings" : {
AM13   "countriesBlockedForMinors" : [],
AM14   "legalAgeGroupRule" : "Allow"
AM15   },
AM16   "passwordCredentials" : []
AM17 }

You need to monitor ContentUploadService accourding to the requirements.
Which command should you use?

A. az monitor metrics alert create --n alert --g ... - -scopes ... - -condition
   'avg Percentage CPU > 8'
B. az monitor metrics alert create --n alert --g ... - -scopes ... - -condition
   'avg Percentage CPU > 800'
C. az monitor metrics alert create --n alert --g ... - -scopes ... - -condition
   'CPU Usage > 800'

D. az monitor metrics alert create --n alert --g ... - -scopes ... - -condition
   'CPU Usage > 8'

Correct Answer:B

Explanation/Reference:

Scenario: An alert must be raised if the ContentUploadService uses more than 80 percent of available CPU-cores
https://docs.microsoft.com/sv-se/cli/azure/monitor/metrics/alert

QUESTION 10

You are developing an Azure function that connects to an Azure SQL Database instance. The function is triggered by an Azure Storage queue.
You receive reports of numerous System.InvalidOperationExceptions with the following message:
"Timeout expired. The timeout period elapsed prior to obtaining a connection from the pool. This may have occurred because all pooled connections were in use and max pool size was reached."
You need to prevent the exception.
What should you do?

A. In the host.json file, decrease the value of the batchSize option
B. Convert the trigger to Azure Event Hub
C. Convert the Azure Function to the Premium plan
D. In the function.json file, change the value of the type option to queueScaling

Correct Answer:C

Explanation/Reference:

With the Premium plan the max outbound connections per instance is unbounded compared to the 600 active (1200 total) in a Consumption plan.
Note: The number of available connections is limited partly because a function app runs in a sandbox environment. One of the restrictions that the sandbox imposes on your code is a limit on the number of outbound connections, which is currently 600 active (1,200 total) connections per instance. When you reach this limit, the functions runtime writes the following message to the logs: Host thresholds exceeded: Connections.
https://docs.microsoft.com/en-us/azure/azure-functions/manage-connections
https://docs.microsoft.com/en-us/azure/azure-functions/functions-scale#service-limits

QUESTION 11

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might

have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result,
these questions will not appear in the review screen.
You are developing an Azure solution to collect point-of-sale (POS) device data from 2,000 stores
located throughout the world. A single device can produce 2 megabytes (MB) of data every 24 hours.
Each store location has one to five devices that send data.
You must store the device data in Azure Blob storage. Device data must be correlated based
on a device identifier. Additional stores are expected to open in the future.
You need to implement a solution to receive the device data.
Solution: Provision an Azure Event Grid. Configure event filtering to evaluate the device
identifier. Does the solution meet the goal?

A. Yes
B. No

Correct Answer:B

Explanation/Reference:

Instead use an Azure Service Bus, which is used order processing and financial transactions. Note: An
event is a lightweight notification of a condition or a state change. Event hubs is usually used reacting
to status changes.
https://docs.microsoft.com/en-us/azure/event-grid/compare-messaging-services

QUESTION 12

You need to configure API Management for authentication.
Which policy values should you use? To answer, select the appropriate options in the answer
area NOTE: Each correct selection is worth one point.

Setting	Value
Policy	▼
	Check HTTP header
	Restrict caller IPs
	Limit call rate by key
	Validate JWT
Policy section	▼
	Inbound
	Outbound

Answer:

Setting	Value
Policy	[dropdown] Check HTTP header / Restrict caller IPs / Limit call rate by key / **Validate JWT**
Policy section	[dropdown] Inbound / **Outbound**

Correct Answer:

Explanation/Reference:

https://docs.microsoft.com/en-us/azure/api-management/api-management-access-restriction-policies

QUESTION 13

You are developing a serverless Java application on Azure. You create a new Azure Key Vault to work with secrets from a new Azure Functions application.

The application must meet the following requirements:

Reference the Azure Key Vault without requiring any changes to the Java code.

Dynamically add and remove instances of the Azure Functions host based on the number of incoming application events.

Ensure that instances are perpetually warm to avoid any cold starts.

Connect to a VNet.

Authentication to the Azure Key Vault instance must be removed if the Azure Function application is deleted.

You need to grant the Azure Functions application access to the Azure Key Vault.

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

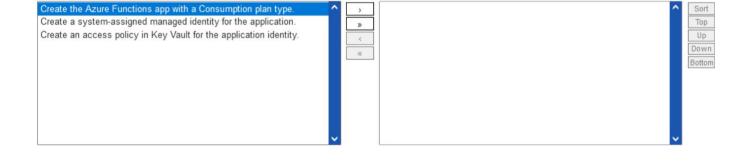|	
Create a user-assigned managed identity for the application.	
Create the Azure Functions app with a Premium plan type.	
Create an access policy in Azure Key Vault for the application identity.	
Create an SSL certification in Azure Key Vault for the application identity.	
Create the Azure Functions app with an App Service plan type.	
Create the Azure Functions app with a Consumption plan type.	
Create a system-assigned managed identity for the application.	

Answer Area

Create the Azure Functions app with a Consumption plan type.
Create a system-assigned managed identity for the application.
Create an access policy in Key Vault for the application identity.

Correct Answer:

Create the Azure Functions app with a Consumption plan type.

Create a system-assigned managed identity for the application.

Create an access policy in Key Vault for the application identity.

Explanation/Reference:

https://docs.microsoft.com/en-us/azure/app-service/app-service-key-vault-references

QUESTION 14

You are developing an Azure solution to collect inventory data from thousands of stores located around the world. Each store location will send the inventory data hourly to an Azure Blob storage account for processing.
The solution must meet the following requirements:
Begin processing when data is saved to Azure Blob storage.

Filter data based on store location information.
Trigger an Azure Logic App to process the data for output to Azure Cosmos DB.
Enable high availability and geographic distribution.
Allow 24-hours for retries.
Implement an exponential back off data processing.
You need to configure the solution.
What should you implement? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Technologies

Azure Event Hub
Azure Event Grid
Azure Service Bus
Azure Blob Storage
Azure App Service
Azure Logic App

Answer Area

Object	Technology
Event Source	Technology
Event Receiver	Technology
Event Handler	Technology

Correct Answer:

Technologies

Azure Event Hub
Azure Event Grid
Azure Service Bus
Azure Blob Storage
Azure App Service
Azure Logic App

Answer Area

Object	Technology
Event Source	Azure Event Grid
Event Receiver	Azure Logic App
Event Handler	Azure Service Bus

Explanation/Reference:

https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-event-overview
https://docs.microsoft.com/en-us/java/api/overview/azure/messaging-eventgrid-readme

QUESTION 15

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

You are developing a solution that will be deployed to an Azure Kubernetes Service (AKS) cluster. The solution will include a custom VNet, Azure Container Registry images, and an Azure Storage account. The solution must allow dynamic creation and management of all Azure resources within the AKS cluster. You need to configure an AKS cluster for use with the Azure APIs.
Solution: Enable the Azure Policy Add-on for Kubernetes to connect the Azure Policy service to the GateKeeper admission controller for the AKS cluster. Apply a built-in policy to the cluster. Does the solution meet the goal?

A. Yes
B. No

Correct Answer:B

Explanation/Reference:

Instead create an AKS cluster that supports network policy. Create and apply a network to allow traffic only from within a defined namespace
https://docs.microsoft.com/en-us/azure/aks/use-network-policies

QUESTION 16

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 and deploy an Azure App Service API app to a Windows-hosted deployment slot named Development. You create additional deployment slots named Testing and Production. You enable auto swap on the Production deployment slot.
You need to ensure that scripts run and resources are available before a swap operation occurs. Solution: Update the app with a method named statuscheck to run the scripts. Update the app settings for the app. Set the WEBSITE_SWAP_WARMUP_PING_PATH and WEBSITE_SWAP_WARMUP_PING_STATUSES with a path to the new method and appropriate response codes.
Does the solution meet the goal?

A. Yes
B. No

Correct Answer:B

Explanation/Reference:

These are valid warm-up behavior options, but are not helpful in fixing swap problems.

Instead update the web.config file to include the applicationInitialization configuration element. Specify custom initialization actions to run the scripts.
Note: Some apps might require custom warm-up actions before the swap. The applicationInitialization configuration element in web.config lets you specify custom initialization actions. The swap operation waits for this custom warm-up to finish before swapping with the target slot. Here's a sample web.config fragment.

https://docs.microsoft.com/en-us/azure/app-service/deploy-staging-slots#troubleshoot-swaps

QUESTION 17

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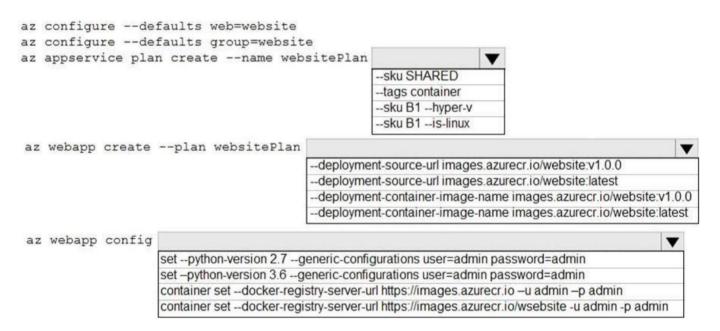
```
docker build -t images.azurecr.io/website:v1.0.0
```

The user name and password for the registry is admin.

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 |

Correct Answer:

Answer:

```
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/Reference:

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

QUESTION 18

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 JWI for the user to determine permissions. Does the solution meet the goal?

A. Yes
B. No

Correct Answer:A

Explanation/Reference:

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

QUESTION 19

You plan to create a Docker image that runs as ASP.NET Core application named ContosoApp. You have a setup script named setupScript.ps1 and a series of application files including ContosoApp.dll. You need to create a Dockerfile document that meets the following requirements:
* Call setupScript.ps1 when the container is built.
* Run ContosoApp.dll when the container starts.
The Docker document must be created in the same folder where ContosoApp.dll and setupScript.ps1 are stored.
Which four commands should you use to develop the solution? To answer, move the appropriate commands from the list of commands to the answer area and arrange them in the correct order.

Commands

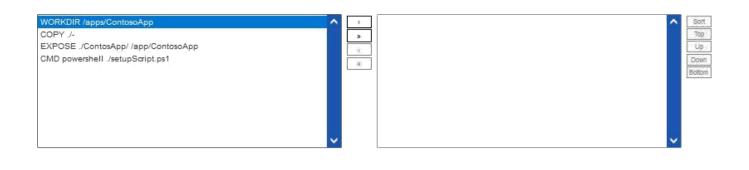| RUN powershell ./setupScript.ps1 |
| CMD ["dotnet", "ContosoApp.dll"] |

| EXPOSE ./ContosoApp/ /apps/ContosoApp |

| COPY ./ . |

| FROM microsoft/aspnetcore:2.0 |

| WORKDIR /apps/ContosoApp |

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

Answer Area

```
WORKDIR /apps/ContosoApp
COPY ./-
EXPOSE ./ContosApp/ /app/ContosoApp
CMD powershell ./setupScript.ps1
```

Correct Answer:

```
WORKDIR /apps/ContosoApp
COPY ./-
EXPOSE ./ContosApp/ /app/ContosoApp
CMD powershell ./setupScript.ps1
```

QUESTION 20

You need to configure the ContentUploadService deployment.
Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point

 A. Add the following markup to line
    CS23: types: Private
 B. Add the following markup to line
    CS24: osType: Windows
 C. Add the following markup to line
    CS24: osType: Linux
 D. Add the following markup to line
    CS23: types: Public

Correct Answer:A

Explanation/Reference:

Scenario: All Internal services must only be accessible from Internal Virtual Networks (VNets) There are three Network Location types -- Private, Public and Domain
https://devblogs.microsoft.com/powershell/setting-network-location-to-private/

QUESTION 21

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 are a. The app uses the following workflow:
A driver selects the restaurants from which they will deliver orders.
Orders are sent to all available drivers in an area.

Only orders for the selected restaurants will appear for the driver.

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.

ANSWER HERE:

Actions	Answer Area
Create a single Service Bus topic.	
Create a Service Bus Namespace for each restaurat for which a driver can receive messages.	
Create a single Service Bus subscription.	
Create a Service Bus subscription for each restaurant for which a driver can receive orders.	
Create s single Service Bus Namespace.	
Create a Service Bus topic for each restaurant for which a driver can receive messages.	

Correct Answer:

Actions	Answer Area
Create a single Service Bus topic.	Create s single Service Bus Namespace.
Create a Service Bus Namespace for each restaurat for which a driver can receive messages.	Create a Service Bus topic for each restaurant for which a driver can receive messages.
Create a single Service Bus subscription.	Create a Service Bus subscription for each restaurant for which a driver can receive orders.
Create a Service Bus subscription for each restaurant for which a driver can receive orders.	
Create s single Service Bus Namespace.	
Create a Service Bus topic for each restaurant for which a driver can receive messages.	

Explanation/Reference:

https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-messaging-overview

QUESTION 22

Note: This question is part of a series of questions that present the same scenario. Each question in the scries 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 a DataContainer that contains the documents which must be added.
3. Create a DataSource instance and set its Container property to the DataContamer
4 Call the Documents.Suggest method of the SearchIndexClient and pass the
DataSource. Does the solution meet the goal?

 A. Yes
 B. No

Correct Answer:B