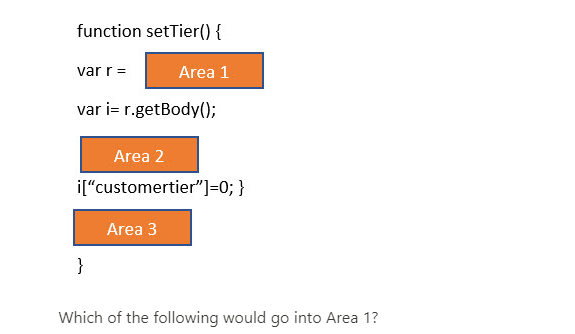
Preguntas examen :

Pregunta 1:

You have to implement a trigger for an existing application. The application currently interfaces with an Azure Cosmos DB account as the data store. The Azure Cosmos DB account is based on the SQL API.

The application is an online eCommerce application. You have to implement the trigger to ensure a new application feature gets implemented. The new feature has to ensure the documents in the Azure Cosmos DB account has a property named “customertier”. This property needs to be present and must contain a numeric value.

You have to complete the below trigger code for this requirement



1-getContext().getRequest(); -----------

2--getContext().getResponset();

3-getValue()

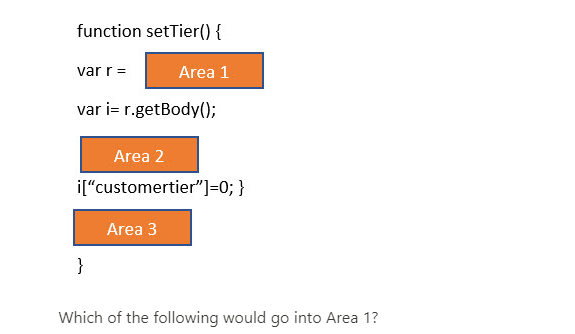
4-getBody()

Pregunta 2

You have to implement a trigger for an existing application. The application currently interfaces with an Azure Cosmos DB account as the data store. The Azure Cosmos DB account is based on the SQL API.

The application is an online eCommerce application. You have to implement the trigger to ensure a new application feature gets implemented. The new feature has to ensure the documents in the Azure Cosmos DB account has a property named “customertier”. This property needs to be present and must contain a numeric value.

You have to complete the below trigger code for this requirement



1-if(request.getValue(“customertier”)==null)

2-- if(document.getValue(“customertier”)==null)

3-if(!(“customertier” in i) ----

Pregunta 3

You have to deploy a web application to the Azure Web App service. The application consists of a custom Docker image. The image currently resides in the Azure Container registry.

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

You have to complete the below Azure CLI command to complete this requirement

Interfaz de usuario gráfica, Aplicación

Descripción generada automáticamente

1-config ------

2-download

3-show

4-tail

Reference - <https://docs.microsoft.com/en-us/cli/azure/webapp/log?view=azure-cli-latest>

Pregunta 4

You have to deploy a web application to the Azure Web App service. The application consists of a custom Docker image. The image currently resides in the Azure Container registry.

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

You have to complete the below Azure CLI command to complete this requirement

Interfaz de usuario gráfica, Aplicación

Descripción generada automáticamentewhich of the following would go into Area 2?

1. Web-server-logging
2. Docker-container-logging -----------------
3. -application-logging

Since we need logging information from the docker container we have to use the option of --docker-container-logging

Below is what is mentioned in the Microsoft documentation on this option

Reference - <https://docs.microsoft.com/en-us/cli/azure/webapp/log?view=azure-cli-latest>

Pregunta 5

You have to deploy a web application to the Azure Web App service. The application consists of a custom Docker image. The image currently resides in the Azure Container registry.

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

You have to complete the below Azure CLI command to complete this requirement

Interfaz de usuario gráfica, Aplicación

Descripción generada automáticamente

Which of the following would go into Area 3?

1-webapp-----

2-acr

3-aks

Here since we are dealing with an Azure web app, we need to use the webapp command.

Pregunta 6

You have to deploy a web application to the Azure Web App service. The application consists of a custom Docker image. The image currently resides in the Azure Container registry.

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

You have to complete the below Azure CLI command to complete this requirement

Interfaz de usuario gráfica, Aplicación

Descripción generada automáticamente

Which of the following would go into Area 4?

1-config

2-download

3-show

4-tail ------------

Here we have to use the tail command to get live streaming logs

Below are the commands as listed in the Microsoft documentation

Reference - <https://docs.microsoft.com/en-us/cli/azure/webapp/log?view=azure-cli-latest>

Pregunta 7

You have to develop a solution that will use Azure Cosmos DB as a data store. The Azure Cosmos DB account would be of the SQL API. The data would contain millions of documents with each document containing a number of properties. But the properties don’t contain distinct values that can be used for partitioning. You have to ensure the database meets the performance SLA’s by ensuring the workloads are spread across evenly across all partitions over time.

Which of the following can you use as the partition key? Choose 2 answers from the options given below

1-Use a concatenation of multiple property values that have A random suffix appended

2-use a single property value that does not appear in documents

3-Use a hash prefix that is appended to a property value

4-Use a value with a collection name

R/ 1 y 3

Here you can use a synthetic partition key. Here you can use a property value of a combination of values. You can also append these values with a random prefix or a hash prefix.

Pregunta 8

You develop Azure solutions.  
A .NET application needs to receive a message each time an Azure virtual machine finishes processing data. The messages must NOT persist after being processed by the receiving application.  
You need to implement the .NET object that will receive the messages.  
Which object should you use?

* **A.**QueueClient
* **B.**SubscriptionClient
* **C.**TopicClient
* **D.**CloudQueueClient

R/ D

Reference:  
<https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-queues-topics-subscriptions>

Pregunta 9

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

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

R/C

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

Pregunta 10

You have an existing Azure storage account that stores large volumes of data across multiple containers.  
You need to copy all data from the existing storage account to a new storage account. The copy process must meet the following requirements:  
✑ Automate data movement.  
✑ Minimize user input required to perform the operation.  
✑ Ensure that the data movement process is recoverable.  
What should you use?

* **A.**AzCopy
* **B.**Azure Storage Explorer
* **C.**Azure portal
* **D.**.NET Storage Client Library

R/A

Reference:  
<https://docs.microsoft.com/en-us/azure/storage/common/storage-use-azcopy-blobs-copy>

Pregunta 11

You have developed and deployed a Java RESTful API to an Azure App Service. When you try to browse to the URL for the API, you get the following error

**“Failed to load http://demo5000.azurewebsites.net:6000/#/api/Products: No ‘Access-Control-Origin’ header is present on the requested resource.**

**Origin ‘http://localhost:5000’ is therefore not allowed access**

How would you resolve the error?

1-Create and bind new ssl certificate

2-Enable cors for the app service

3-Map a custom domain for the app service

4-Enable autentification

R/ 2

This is a cross-origin resource sharing error. For this you have to enable CORS for the Azure Web App.

Pregunta 12

You have deployed an ASP.Net application to an Azure Web App. You use the Application Insights SDK to configure the application to track web pages and custom events.

You have to understand the different trends when it comes to application usage.

Which of the following Application Insights Feature would you use for the following requirement?

**“Which pages have been visited by users that most often correlate to a product purchase”**

1-users

2-Funnels

3-impact

4-Retention

R/ funnels

Here you can use a Funnel that encapsulates the pages that correspond to the flow of a user carrying out a product purchase. You can then see which pages in the funnel are being accessed the most.

Pregunta 13

You have deployed an ASP.Net application to an Azure Web App. You use the Application Insights SDK to configure the application to track web pages and custom events.

You have to understand the different trends when it comes to application usage.

Which of the following Application Insights Feature would you use for the following requirement?

**“How does the load time of the main product page affect the user’s decision to purchase a product”**

1-users

2-Funnels

3-impact

4-Retention

R/Impact

You can use the Impact feature to see if the page load time is affecting how people interact with the application.

Pregunta 14

You have deployed an ASP.Net application to an Azure Web App. You use the Application Insights SDK to configure the application to track web pages and custom events.

You have to understand the different trends when it comes to application usage.

Which of the following Application Insights Feature would you use for the following requirement?

**“Which events in the application influence a user’s decision to return back to the application"**

1-users

2-Funnels

3-user flows

4-Retention

R/retention

Using the Retention feature, you can see if any part of your application is influencing whether the user decides to continue using the application.

You have deployed an ASP.Net application to an Azure Web App. You use the Application Insights SDK to configure the application to track web pages and custom events.

You have to understand the different trends when it comes to application usage.

Which of the following Application Insights Feature would you use for the following requirement?

**“Are there places in the application that users often look to perform repetitive actions”**

1-users

2-Funnels

3-user flows

4-Retention

R/user flows

Using users flows, you can see places where users repeat the same action over and over again.

Pregunta 15

You have developed an ASP.Net Core based application. The application is going to be deployed to an Azure Web App. The application basically delivers video content to users across the world. Azure Content Delivery Networking will be used to deliver the video content to users across the world.

An example of a URL which would be used to access the content is given below

**http://www.cloudportalhub.com/video.mp4?quality=l**

All of the video content must expire from the cache after one hour. The videos of varying quality content must be delivered from the closest regional point of presence node.

You have to set the Azure CDN caching rules accordingly.

Which of the following would you set as the Caching behavior?

1-bypass cache

2-overrride

3-set if missing

R/2

Since we have to ensure that the video content cache must expire after an hour, we have to set the behavior as Override to ensure all other cache settings are overridden by Azure CDN.

Pregunta 16

You have developed an ASP.Net Core based application. The application is going to be deployed to an Azure Web App. The application basically delivers video content to users across the world. Azure Content Delivery Networking will be used to deliver the video content to users across the world.

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**http://www.cloudportalhub.com/video.mp4?quality=l**

All of the video content must expire from the cache after one hour. The videos of varying quality content must be delivered from the closest regional point of presence node.

You have to set the Azure CDN caching rules accordingly.

What should be set as the cache expiration duration?

1. One second
2. 1 minute
3. 1 hour
4. 1 day

Since the question requirement mentions it as 1 hour, we will set that as the cache duration accordingly.

R/3.

Pregunta 17

You have developed an ASP.Net Core based application. The application is going to be deployed to an Azure Web App. The application basically delivers video content to users across the world. Azure Content Delivery Networking will be used to deliver the video content to users across the world.

An example of a URL which would be used to access the content is given below

**http://www.cloudportalhub.com/video.mp4?quality=l**

All of the video content must expire from the cache after one hour. The videos of varying quality content must be delivered from the closest regional point of presence node.

You have to set the Azure CDN caching rules accordingly.

Which of the following must be set as the Query string caching behavior?

1-ignore query settings

2-bypass cache for query strings

3-cahce every unic URL

r/3

Here since videos of varying quality must be cache, that means every unique URL must be cached.

Pregunta 18

You are developing an ASP.Net core application that will interact with Azure Blob storage containers. The users would use Azure AD credentials to log into the web site. Role-based access control would be used to control access on the containers that stores the user’s data. You have to configure the Azure AD application for the web site so that the user’s permission can be used to interact with the Azure Blob containers.

Which of the following would you set as the Permission for the Microsoft Graph API?

1-client id

2application

3profile

4-user.read

r/ 4

Here we have to use the permission of User.Read for the Microsoft Graph API

Pregunta 19

You are developing a web application. The web application needs to be deployed to the Azure Web App service. You have to configure TLS mutual authentication for the web application. You have to validate the client certificate in the web application.

Which of the following would you check for the client certificate?

1-HttpRequest

2-Client cookie

3-Http message body

4-URL query string

R/ 1

The certificate would be embedded in the HTTP request header

Pregunta 20

You are developing a web application. The web application needs to be deployed to the Azure Web App service. You have to configure TLS mutual authentication for the web application. You have to validate the client certificate in the web application.

What is the encoding type used for the certificate?

1-html

2-URL

3-Unicode

4-base64

r/4

The certificate would be in Base64 encoding format.

Pregunta 21

You have to implement an ASP.Net Core application as a web service. This would run in the Azure Web App service. The service will use an on-premises SQL Server database for data storage. The web service also includes a WebJob that will be responsible for processing the data.

Your company would then expose the web service to four customers. You have to implement the solution based on the following requirements

a) Each instance of the WebJob must be used for a single customer and must run as a singleton instance.

b) Each deployment must be sent over to a deployment slot for testing before production rollout.

c) Azure costs must be minimized

d) Azure resources must be located in an isolated network

Which of the following would you configure as the pricing tier for the App Service Plan?

1-isolated

2-standard

3-premium

4consumption

r/ 1

Here since there is a requirement to ensure that the Azure resources need to run in an isolated network, you have to use the Isolated App Service Plan.

Pregunta 22

You have to implement an ASP.Net Core application as a web service. This would run in the Azure Web App service. The service will use an on-premises SQL Server database for data storage. The web service also includes a WebJob that will be responsible for processing the data.

Your company would then expose the web service to four customers. You have to implement the solution based on the following requirements

a) Each instance of the WebJob must be used for a single customer and must run as a singleton instance.

b) Each deployment must be sent over to a deployment slot for testing before production rollout.

c) Azure costs must be minimized

d) Azure resources must be located in an isolated network

Which of the following would you configure as the number of VM instances running as part of the App Service Plan?

1. 2
2. 4
3. 8
4. 16

Here since we have only 4 customers, we can ensure costs are minimized by having only 4 VM’s running. On each we can have a singleton instance of the WebJob running.

Pregunta 23

You have to create a development environment that will be used by multiple development teams. The development environment will contain the following

a) The latest version of Visual Studio

b) Several software development kits and third-party components

You have gone ahead and setup a new virtual machine with all of the required components. You now have to build an image so that VM’s can be created for multiple teams using that generalized image.

Which of the following is used to generalize the virtual machine?

1-azure power shell

2 visualstudio cmd prompt

1. azure migrate

4 -Azure back up

r/ 1

Once you run the Sysprep tool to generalize the VM, you can issue the following steps to generalize the VM

**// Stop the Virtual Machine**

Stop-AzVM -ResourceGroupName $rgName -Name $vmName -Force

**// Get a handle to the virtual machine**

$vm = Get-AzVM -Name $vmName -ResourceGroupName $rgName

**// Create an image configuration**

$image = New-AzImageConfig -Location $location -SourceVirtualMachineId $vm.Id

**// Create the custom image**

New-AzImage -Image $image -ImageName $imageName -ResourceGroupName $rgName

Pregunta 24

You have to create a development environment that will be used by multiple development teams. The development environment will contain the following

a) The latest version of Visual Studio

b) Several software development kits and third-party components

You have gone ahead and setup a new virtual machine with all of the required components. You now have to build an image so that VM’s can be created for multiple teams using that generalized image.

Where would the images be stored?

1-azure blob storage

2-azure data lake

3-azure file storage

4-azure table storage

All of the images are stored in Azure Blob storage

r/1

Pregunta 25

You are developing an ASP.Net Core API. This would be deployed to the Azure Web App service. The application would allow users to authenticate using Twitter and Azure Active Directory.

The users have to be authenticated before they can start using the application. You also have to log each user’s name for each method call.

Which of the following would you set as the Attribute in your application code?

1-Authorize

2-allow anonymous

3-AutoValidateAntoforgeryToken

r/1

You can add the Authorize attribute to ensure the code authorizes the user first.