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NEW QUESTION: 1

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.

Answer:

Box 1: Continuous

Continuous runs on all instances that the web app runs on. You can optionally restrict the WebJob to a single instance.

Box 2: Triggered

Triggered runs on a single instance that Azure selects for load balancing.

Box 3: Continuous

Continuous supports remote debugging.

Note:

The following table describes the differences between continuous and triggered WebJobs.

References:

<https://docs.microsoft.com/en-us/azure/app-service/web-sites-create-web-jobs>

NEW QUESTION: 2

You are configuring a new development environment for a Java application.

The environment requires a Virtual Machine Scale Set (VMSS), several storage accounts, and networking components.

The VMSS must not be created until the storage accounts have been successfully created and an associated load balancer and virtual network is configured.

How should you complete the Azure Resource Manager template? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

Box 1: copyIndex

Notice that the name of each resource includes the copyIndex() function, which returns the current iteration in the loop. copyIndex() is zero-based.

Box 2: copy

By adding the copy element to the resources section of your template, you can dynamically set the number of resources to deploy.

Box 3: dependsOn

Example:

```
"type": "Microsoft.Compute/virtualMachineScaleSets",
"apiVersion": "2020-06-01",
"name": "[variables('namingInfix')]",
"location": "[parameters('location')]",
"sku": {
  "name": "[parameters('vmSku')]",
  "tier": "Standard",
  "capacity": "[parameters('instanceCount')]"
},
"dependsOn": [
  "[resourceId('Microsoft.Network/loadBalancers', variables('loadBalancerName'))]",
  "[resourceId('Microsoft.Network/virtualNetworks', variables('virtualNetworkName'))]"
],
```

Reference:

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/templates/copy-resources>

<https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/quick-create-template-windows>

NEW QUESTION: 3

You have a single page application (SPA) web application that manages information based on data returned by Microsoft Graph from another company's Azure Active Directory (Azure AD) instance.

Users must be able to authenticate and access Microsoft Graph by using their own company's Azure AD instance.

You need to configure the application manifest for the app registration.

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

NOTE: Each correct selection is worth one point.

Answer:

Graphical user interface, text, application, email Description automatically generated

Box 1: true

The `oauth2AllowImplicitFlow` attribute Specifies whether this web app can request OAuth2.0 implicit flow access tokens. The default is false. This flag is used for browser-based apps, like JavaScript single-page apps.

In implicit flow, the app receives tokens directly from the Azure Active Directory (Azure AD) authorize endpoint, without any server-to-server exchange. All authentication logic and session handling is done entirely in the JavaScript client with either a page redirect or a pop-up box.

Box 2: `requiredResourceAccess`

With dynamic consent, `requiredResourceAccess` drives the admin consent experience and the user consent experience for users who are using static consent. However, this parameter doesn't drive the user consent experience for the general case.

`resourceAppId` is the unique identifier for the resource that the app requires access to. This value should be equal to the `appId` declared on the target resource app.

`resourceAccess` is an array that lists the OAuth2.0 permission scopes and app roles that the app requires from the specified resource. Contains the id and type values of the specified resources.

Example:

```
"requiredResourceAccess": [
{
  "resourceAppId": "00000002-0000-0000-c000-000000000000",
  "resourceAccess": [
    {
      "id": "311a71cc-e848-46a1-bdf8-97ff7156d8e6",
      "type": "Scope"
    }
  ]
},
]
```

Box 3: `AzureADMyOrg`

The `signInAudience` attribute specifies what Microsoft accounts are supported for the current application.

Supported values are:

`AzureADMyOrg` - Users with a Microsoft work or school account in my organization's Azure AD tenant (for example, single tenant) `AzureADMultipleOrgs` - Users with a Microsoft work or school account in any organization's Azure AD tenant (for example, multi-tenant)

`AzureADandPersonalMicrosoftAccount` - Users with a personal Microsoft account, or a work or school account in any organization's Azure AD tenant Reference:

<https://docs.microsoft.com/en-us/azure/active-directory/develop/reference-app-manifest>

<https://docs.microsoft.com/en-us/azure/active-directory/develop/v2-oauth2-implicit-grant-flow>

NEW QUESTION: 4

You are developing an application that runs in several customer Azure Kubernetes Service clusters, Within each cluster, a pod runs that collects performance data to be analyzed later, a large amount of data is collected so saving latency must be minimized The performance data must be stored so that pod restarts do not impact the stored data. Write latency should be minimized.

You need to configure blob storage.

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

Answer:

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NEW QUESTION: 5

YOU need to reliably identify the delivery driver profile information.

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

NOTE Each correct selection is worth one point.

Answer:

Text, letter Description automatically generated

NEW QUESTION: 6

You need to ensure receipt processing occurs correctly.

What should you do?

- A. Use blob properties to prevent concurrency problems
- B. Use blob SnapshotTime to prevent concurrency problems
- C. Use blob metadata to prevent concurrency problems
- D. Use blob leases to prevent concurrency problems

Answer: ([SHOW ANSWER](#))

Explanation

You can create a snapshot of a blob. A snapshot is a read-only version of a blob that's taken at a point in time.

Once a snapshot has been created, it can be read, copied, or deleted, but not modified.

Snapshots provide a way to back up a blob as it appears at a moment in time.

Scenario: Processing is performed by an Azure Function that uses version 2 of the Azure Function runtime.

Once processing is completed, results are stored in Azure Blob Storage and an Azure SQL database. Then, an email summary is sent to the user with a link to the processing report. The link to the report must remain valid if the email is forwarded to another user.

Reference:

<https://docs.microsoft.com/en-us/rest/api/storageservices/creating-a-snapshot-of-a-blob>

NEW QUESTION: 7

You are developing a Docker/Go using Azure App Service Web App for Containers. You plan to run the container in an App Service on Linux. You identify a Docker container image to use. None of your current resource groups reside in a location that supports Linux. You must minimize the number of resource groups required.

You need to create the application and perform an initial deployment.

Which three Azure CLI commands should you use to develop the solution? To answer, move the appropriate commands from the list of commands to the answer area and arrange them in the correct order.

Answer:

You can host native Linux applications in the cloud by using Azure Web Apps. To create a Web App for Containers, you must run Azure CLI commands that create a group, then a service plan, and finally the web app itself.

Step 1: az group create

In the Cloud Shell, create a resource group with the az group create command.

Step 2: az appservice plan create

In the Cloud Shell, create an App Service plan in the resource group with the az appservice plan create command.

Step 3: az webapp create

In the Cloud Shell, create a web app in the myAppServicePlan App Service plan with the az webapp create command. Don't forget to replace with a unique app name, and <docker-ID> with your Docker ID.

References:

<https://docs.microsoft.com/mt-mt/azure/app-service/containers/quickstart-docker-go?view=sql-server-ver15>

NEW QUESTION: 8

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 Notification Hub. Register all devices with the hub.

Does the solution meet the goal?

A. Yes

B. No

Answer: ([SHOW ANSWER](#))

Explanation

Instead use an Azure Service Bus, which is used order processing and financial transactions.

Reference:

<https://docs.microsoft.com/en-us/azure/event-grid/compare-messaging-services>

NEW QUESTION: 9

You develop and deploy a web app to Azure App Service in a production environment. You scale out the web app to four instances and configure a staging slot to support changes.

You must monitor the web app in the environment to include the following requirements:

- * Increase web app availability by re-routing requests away from instances with error status codes and automatically replace instances if they remain in an error state after one hour.
- * Send web server logs, application logs, standard output and standard error messaging to an Azure Storage blob account.

You need to configure Azure App Service.

Which values should you use? To answer, drag the appropriate configuration value to the correct requirements.

Each configuration value may be used once, more than....

Answer:

NEW QUESTION: 10

You use Azure Table storage to store customer information for an application. The data contains customer details and is partitioned by last name. You need to create a query that returns all customers with the last name Smith. Which code segment should you use?

- A. `TableQuery.GenerateFilterCondition("PartitionKey", Equals, "Smith")`
- B. `TableQuery.GenerateFilterCondition("LastName", Equals, "Smith")`
- C. `TableQuery.GenerateFilterCondition("PartitionKey", QueryComparisons.Equal, "Smith")`
- D. `TableQuery.GenerateFilterCondition("LastName", QueryComparisons.Equal, "Smith")`

Answer: ([SHOW ANSWER](#))

Explanation

Retrieve all entities in a partition. The following code example specifies a filter for entities where 'Smith' is the partition key. This example prints the fields of each entity in the query results to the console.

Construct the query operation for all customer entities where `PartitionKey="Smith"`.

```
TableQuery<CustomerEntity> query = new
```

```
TableQuery<CustomerEntity>().Where(TableQuery.GenerateFilterCondition("PartitionKey",  
QueryComparisons.Equal, "Smith"));
```

References:

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

NEW QUESTION: 11

You need to investigate the Azure Function app error message in the development environment.

What should you do?

- A.** Connect Live Metrics Stream from Application Insights to the Azure Function app and filter the metrics.
- B.** Create a new Azure Log Analytics workspace and instrument the Azure Function app with Application Insights.
- C.** Update the Azure Function app with extension methods from Microsoft.Extensions.Logging to log events by using the log instance.
- D.** Add a new diagnostic setting to the Azure Function app to send logs to Log Analytics.

Answer: ([SHOW ANSWER](#))

Explanation

Azure Functions offers built-in integration with Azure Application Insights to monitor functions. The following areas of Application Insights can be helpful when evaluating the behavior, performance, and errors in your functions:

Live Metrics: View metrics data as it's created in near real-time.

Failures

Performance

Metrics

Reference:

<https://docs.microsoft.com/en-us/azure/azure-functions/functions-monitoring>

NEW QUESTION: 12

You are developing a web application that makes calls to the Microsoft Graph API. You register the application in the Azure portal and upload a valid X509 certificate.

You create an appsettings.json file containing the certificate name, client identifier for the application, and the tenant identifier of the Azure active Directory (Azure AD). You create a method named ReadCertificate to return the X509 certificate by name.

You need to implement code that acquires a token by using the certificate.

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

NOTE: Each correct selection is worth one point.

Answer:

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<https://docs.microsoft.com/en-us/azure/active-directory/develop/scenario-daemon-app-configuration?tabs=dotnet>

<https://docs.microsoft.com/en-us/azure/active-directory/develop/scenario-daemon-acquire-token?tabs=dotnet#ac>

NEW QUESTION: 13

You are developing an application to store information about the organizational structure for a company.

Users must be able to determine which people report to a particular manager, the office where employees work, and the projects that are assigned to an employee.

Which Azure Cosmos DB API should you use for the application?

- A. Cassandra
- B. Table API
- C. Core
- D. MongoDB
- E. Gremlin

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 14

You develop and deploy an ASP.NET web app to Azure App Service. You use Application Insights telemetry to monitor the app.

You must test the app to ensure that the app is available and responsive from various points around the world and at regular intervals. If the app is not responding, you must send an alert to support staff.

You need to configure a test for the web app.

Which two test types can you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. integration
- B. multi-step web
- C. URL ping
- D. unit
- E. load

Answer: ([SHOW ANSWER](#))

Explanation

There are three types of availability tests:

- * URL ping test: a simple test that you can create in the Azure portal.
- * Multi-step web test: A recording of a sequence of web requests, which can be played back to test more complex scenarios. Multi-step web tests are created in Visual Studio Enterprise and uploaded to the portal for execution.
- * Custom Track Availability Tests: If you decide to create a custom application to run availability tests, the `TrackAvailability()` method can be used to send the results to Application Insights.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-monitor/app/monitor-web-app-availability>

NEW QUESTION: 15

You need to authenticate the user to the corporate website as indicated by the architectural diagram.

Which two values should you use? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. ID token signature
- B. ID token claims
- C. HTTP response code
- D. Azure AD endpoint URI
- E. Azure AD tenant ID

Answer: ([SHOW ANSWER](#))

Explanation

Claims in access tokens

JWTs (JSON Web Tokens) are split into three pieces:

- * Header - Provides information about how to validate the token including information about the type of token and how it was signed.
- * Payload - Contains all of the important data about the user or app that is attempting to call your service.
- * Signature - Is the raw material used to validate the token.

Your client can get an access token from either the v1.0 endpoint or the v2.0 endpoint using a variety of protocols.

Scenario: User authentication (see step 5 below)

The following steps detail the user authentication process:

- * The user selects Sign in in the website.
- * The browser redirects the user to the Azure Active Directory (Azure AD) sign in page.
- * The user signs in.
- * Azure AD redirects the user's session back to the web application. The URL includes an access token.
- * The web application calls an API and includes the access token in the authentication header. The application ID is sent as the audience ('aud') claim in the access token.
- * The back-end API validates the access token.

Reference:

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

NEW QUESTION: 16

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.

Answer:

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NEW QUESTION: 17

You develop an app that allows users to upload photos and videos to Azure storage. The app uses a storage REST API call to upload the media to a blob storage account named Account1. You have blob storage containers named Container1 and Container2.

Uploading of videos occurs on an irregular basis.

You need to copy specific blobs from Container1 to Container2 when a new video is uploaded. What should you do?

- A.** Copy blobs to Container2 by using the operation of the Blob Service REST API
- B.** Create an Event Grid topic that uses the Start-AzureStorageBlobCopy cmdlet
- C.** Use AzCopy with the Snapshot switch to copy blobs to Container2
- D.** Download the blob to a virtual machine and then upload the blob to Container2

Answer: (SHOW ANSWER)

Explanation

The Start-AzureStorageBlobCopy cmdlet starts to copy a blob.

Example 1: Copy a named blob

```
C:\PS>Start-AzureStorageBlobCopy -SrcBlob "ContosoPlanning2015" -DestContainer  
"ContosoArchives"  
-SrcContainer "ContosoUploads"
```

This command starts the copy operation of the blob named ContosoPlanning2015 from the container named ContosoUploads to the container named ContosoArchives.

Reference:

<https://docs.microsoft.com/en-us/powershell/module/azure.storage/start-azurestorageblobcopy?view=azurermps->

NEW QUESTION: 18

You are a developer for a software as a service (SaaS) company that uses an Azure Function to process orders.

The Azure Function currently runs on an Azure Function app that is triggered by an Azure Storage queue.

You are preparing to migrate the Azure Function to Kubernetes using Kubernetes-based Event Driven Autoscaling (KEDA).

You need to configure Kubernetes Custom Resource Definitions (CRD) for the Azure Function. Which CRDs should you configure? To answer, drag the appropriate CRD types to the correct locations. Each CRD 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.

Answer:

Box 1: Deployment

To deploy Azure Functions to Kubernetes use the `func kubernetes deploy` command has several attributes that directly control how our app scales, once it is deployed to Kubernetes.

Box 2: ScaledObject

With `--polling-interval`, we can control the interval used by KEDA to check Azure Service Bus Queue for messages.

Example of ScaledObject with polling interval

```
apiVersion: keda.k8s.io/v1alpha1
```

```
kind: ScaledObject
```

```
metadata:
```

```
  name: transformer-fn
```

```
  namespace: tt
```

```
  labels:
```

```
    deploymentName: transformer-fn
```

```
spec:
```

```
  scaleTargetRef:
```

```
    deploymentName: transformer-fn
```

```
  pollingInterval: 5
```

```
  minReplicaCount: 0
```

```
  maxReplicaCount: 100
```

Box 3: Secret

Store connection strings in Kubernetes Secrets.

Example: to create the Secret in our demo Namespace:

```
# create the k8s demo namespace
```

```
kubectl create namespace tt
```

```
# grab connection string from Azure Service Bus
```

```
KEDA_SCALER_CONNECTION_STRING=$(az servicebus queue authorization-rule keys list \
```

```
-g $RG_NAME \
```

```
--namespace-name $SBN_NAME \
```

```
--queue-name inbound \
```

```
-n keda-scaler \
```

```
--query "primaryConnectionString" \
```

```
-o tsv)
```

```
# create the kubernetes secret
kubectl create secret generic tt-keda-auth \
--from-literal KedaScaler=$KEDA_SCALER_CONNECTION_STRING \
--namespace tt
```

Reference:

<https://www.thinktecture.com/en/kubernetes/serverless-workloads-with-keda/>

NEW QUESTION: 19

You develop and add several functions to an Azure Function app that uses the latest runtime host. The functions contain several REST API endpoints secured by using SSL. The Azure Function app runs in a Consumption plan.

You must send an alert when any of the function endpoints are unavailable or responding too slowly.

You need to monitor the availability and responsiveness of the functions.

What should you do?

- A. Create a URL ping test.
- B. Create a timer triggered function that calls `TrackAvailability()` and send the results to Application Insights.
- C. Create a timer triggered function that calls `GetMetric("Request Size")` and send the results to Application Insights.
- D. Add a new diagnostic setting to the Azure Function app. Enable the `FunctionAppLogs` and `Send to Log Analytics` options.

Answer: ([SHOW ANSWER](#))

Explanation

You can create an Azure Function with `TrackAvailability()` that will run periodically according to the configuration given in `TimerTrigger` function with your own business logic. The results of this test will be sent to your Application Insights resource, where you will be able to query for and alert on the availability results data. This allows you to create customized tests similar to what you can do via Availability Monitoring in the portal.

Customized tests will allow you to write more complex availability tests than is possible using the portal UI, monitor an app inside of your Azure VNET, change the endpoint address, or create an availability test even if this feature is not available in your region.

D18912E1457D5D1DDCBD40AB3BF70D5D

Reference:

<https://docs.microsoft.com/en-us/azure/azure-monitor/app/availability-azure-functions>

NEW QUESTION: 20

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You are developing an Azure solution to collect point-of-sale (POS) device data from 2,000 stores located throughout the world. A single device can produce 2 megabytes (MB) of data every 24 hours. Each store location has one to five devices that send data.

You must store the device data in Azure Blob storage. Device data must be correlated based on a device identifier. Additional stores are expected to open in the future.

You need to implement a solution to receive the device data.

Solution: Provision an Azure Service Bus. Configure a topic to receive the device data by using a correlation filter.

Does the solution meet the goal?

A. Yes

B. No

Answer: ([SHOW ANSWER](#))

Explanation

A message is raw data produced by a service to be consumed or stored elsewhere. The Service Bus is for high-value enterprise messaging, and is used for order processing and financial transactions.

Reference:

<https://docs.microsoft.com/en-us/azure/event-grid/compare-messaging-services>

NEW QUESTION: 21

You need to secure the Azure Functions to meet the security requirements.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Store the RSA-HSM key in Azure Cosmos DB. Apply the built-in policies for customer-managed keys and allowed locations.

B. Create a free tier Azure App Configuration instance with a new Azure AD service principal.

C. Store the RSA-HSM key in Azure Key Vault with soft-delete and purge-protection features enabled.

D. Store the RSA-HSM key in Azure Blob storage with an Immutability policy applied to the container.

E. Create a standard tier Azure App Configuration instance with an assigned Azure AD managed identity.

Answer: ([SHOW ANSWER](#))

Explanation

Scenario: All Azure Functions must centralize management and distribution of configuration data for different environments and geographies, encrypted by using a company-provided RSA-HSM key.

Microsoft Azure Key Vault is a cloud-hosted management service that allows users to encrypt keys and small secrets by using keys that are protected by hardware security modules (HSMs). You need to create a managed identity for your application.

Reference:

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

NEW QUESTION: 22

You are developing an application that needs access to an Azure virtual machine (VM). The access lifecycle for the application must be associated with the VM service instance. You need to enable managed identity for the VM.

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

NOTE Each correct selection is worth one point.

Answer:

```
$vm = Get-AzVM -ResourceGroupName myResourceGroup -Name myVM
```

```
Update-AzVM -ResourceGroupName myResourceGroup -VM $vm -AssignIdentity:
```

```
$SystemAssigned
```

<https://docs.microsoft.com/en-us/azure/active-directory/managed-identities-azure-resources/qs-configure-powers>

NEW QUESTION: 23

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.

Answer:

Step 1: WORKDIR /apps/ContosoApp

Step 2: COPY ./-

The Docker document must be created in the same folder where ContosoApp.dll and setupScript.ps1 are stored.

Step 3: EXPOSE ./ContosApp/ /app/ContosoApp

Step 4: CMD powershell ./setupScript.ps1

ENTRYPOINT ["dotnet", "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.

References:

<https://docs.microsoft.com/en-us/azure/app-service/containers/tutorial-custom-docker-image>

NEW QUESTION: 24

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

You need to configure the services.

Which service should you use for each scenario? To answer, drag the appropriate services to the correct scenarios. Each service may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Answer:

Box 1: WebJobs

A WebJob is a simple way to set up a background job, which can process continuously or on a schedule.

WebJobs differ from a cloud service as it gives you get less fine-grained control over your processing environment, making it a more true PaaS service.

Box 2: Flow

NEW QUESTION: 25

You are developing an ASP.NET Core time sheet application that runs as an Azure Web App.

Users of the application enter their time sheet information on the first day of every month.

The application uses a third-party web service to validate data.

The application encounters periodic server errors due to errors that result from calling a third-party web server.

Each request to the third-party server has the same chance of failure.

You need to configure an Azure Monitor alert to detect server errors unrelated to the third-party service. You must minimize false-positive alerts.

How should you complete the Azure Resource Manager template? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

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Box 1: DynamicThresholdCriterion

Box 2: Http5xx

Server errors are in the 5xx range.

Client errors are in the 4xx range

Box 3: Low

Reference:

<https://docs.microsoft.com/en-us/azure/azure-monitor/alerts/alerts-dynamic-thresholds>

NEW QUESTION: 26

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: (SHOW ANSWER)

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: 27

A company is developing a gaming platform. Users can join teams to play online and see leaderboards that include player statistics. The solution includes an entity named Team.

You plan to implement an Azure Redis Cache instance to improve the efficiency of data operations for entities that rarely change.

You need to invalidate the cache when team data is changed.

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

NOTE: Each correct selection is worth one point.

Answer:

Box 1: `IDatabase cache = connection.GetDatabase();`

Connection refers to a previously configured `ConnectionMultiplexer`.

Box 2: `cache.StringSet("teams",")`

To specify the expiration of an item in the cache, use the `TimeSpan` parameter of `StringSet`.

`cache.StringSet("key1", "value1", TimeSpan.FromMinutes(90));`

References:

<https://azure.microsoft.com/sv-se/blog/lap-around-azure-redis-cache-preview/>

NEW QUESTION: 28

You are developing an application that allows users to find musicians that are looking for work.

The application must store information about musicians, the instruments that they play, and other related data.

The application must also allow users to determine which musicians have played together, including groups of three or more musicians that have performed together at a specific location.

Which Azure Cosmos DB API should you use for the application?

- A. MongoDB
- B. Cassandra
- C. Core
- D. Gremlin

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 29

You are developing a web application that uses the Microsoft identity platform for user and resource authentication. The web application calls several REST APIs.

You are implementing various authentication and authorization flows for the web application.

You need to validate the claims in the authentication token.

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

NOTE: Each correct selection is worth one point.

Answer:

Graphical user interface, text, application Description automatically generated

NEW QUESTION: 30

You are building an application that stores sensitive customer data in Azure Blob storage. The data must be encrypted with a key that is unique for each customer.

If the encryption key has been corrupted it must not be used for encryption.

You need to ensure that the blob is encrypted.

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

NOTE: Each correct selection is worth one point.

Answer:

Graphical user interface, application Description automatically generated

NEW QUESTION: 31

You develop a news and blog content app for Windows devices.

A notification must arrive on a user's device when there is a new article available for them to view.

You need to implement push notifications.

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

NOTE: Each correct selection is worth one point.

Answer:

Box 1: NotificationHubClient

Box 2: NotificationHubClient

Box 3: CreateClientFromConnectionString

// Initialize the Notification Hub

NotificationHubClient hub =

NotificationHubClient.CreateClientFromConnectionString(listenConnString, hubName); Box 4:

SendWindowsNativeNotificationAsync Send the push notification.

var result = await hub.SendWindowsNativeNotificationAsync(windowsToastPayload); Reference:

<https://docs.microsoft.com/en-us/azure/notification-hubs/notification-hubs-push-notification-registration-manage>

<https://github.com/MicrosoftDocs/azure-docs/blob/master/articles/app-service-mobile/app-service-mobile-windo>

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NEW QUESTION: 32

You need to resolve the capacity issue.

What should you do?

A. Convert the trigger on the Azure Function to an Azure Blob storage trigger

B. Ensure that the consumption plan is configured correctly to allow scaling

- C. Move the Azure Function to a dedicated App Service Plan
- D. Update the loop starting on line PC09 to process items in parallel

Answer: ([SHOW ANSWER](#))

Explanation

If you want to read the files in parallel, you cannot use `forEach`. Each of the `async` callback function calls does return a promise. You can await the array of promises that you'll get with `Promise.all`.

Scenario: Capacity issue: During busy periods, employees report long delays between the time they upload the receipt and when it appears in the web application.

Reference:

<https://stackoverflow.com/questions/37576685/using-async-await-with-a-foreach-loop>

NEW QUESTION: 33

Your company is designing an application named App1 that will use data from Azure SQL Database. App1 will be accessed over the internet by many users.

You need to recommend a solution for improving the performance of App1.

What should you include in the recommendation?

- A. Azure Cache for Redis
- B. a CDN profile
- C. Azure HPC cache
- D. ExpressRoute

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 34

You need to ensure that PolicyLib requirements are met.

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

NOTE: Each correct selection is worth one point.

Answer:

Scenario: You have a shared library named PolicyLib that contains functionality common to all ASP.NET Core web services and applications. The PolicyLib library must:

- * Exclude non-user actions from Application Insights telemetry.
- * Provide methods that allow a web service to scale itself.
- * Ensure that scaling actions do not disrupt application usage.

Box 1: `ITelemetryInitializer`

Use telemetry initializers to define global properties that are sent with all telemetry; and to override selected behavior of the standard telemetry modules.

Box 2: `Initialize`

Box 3: `Telemetry.Context`

Box 4: `((EventTelemetry)telemetry).Properties["EventID"]`

Reference:

<https://docs.microsoft.com/en-us/azure/azure-monitor/app/api-filtering-sampling>

NEW QUESTION: 35

You need to add code at line PC32 in Processing.cs to implement the GetCredentials method in the Processing class.

How should you complete the code? To answer, drag the appropriate code segments to the correct locations.

Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Answer:

Box 1: AzureServiceTokenProvider()

Box 2: tp.GetAccessTokenAsync("?.")

Acquiring an access token is then quite easy. Example code:

```
private async Task<string> GetAccessTokenAsync()
{
    var tokenProvider = new AzureServiceTokenProvider();
    return await tokenProvider.GetAccessTokenAsync("https://storage.azure.com/");
}
```

Reference:

<https://joonasw.net/view/azure-ad-authentication-with-azure-storage-and-managed-service-identity>

NEW QUESTION: 36

You are building a website to access project data related to terms within your organization. The website does not allow anonymous access. Authentication performed using an Azure Active Directory (Azure AD) app named internal.

The website has the following authentication requirements:

*Azure AD users must be able to login to the website.

*Personalization of the website must be based on membership in Active Directory groups.

You need to configure the application's manifest to meet the authentication requirements.

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

NOTE: Each correct selection is worth one point.

Answer:

Box 1: groupMembershipClaims

Scenario: Personalization of the website must be based on membership in Active Directory groups.

Group claims can also be configured in the Optional Claims section of the Application Manifest. Enable group membership claims by changing the groupMembershipClaim

The valid values are:

"All"

"SecurityGroup"

"DistributionList"

"DirectoryRole"

Box 2: oauth2Permissions

Scenario: Azure AD users must be able to login to the website.

oauth2Permissions specifies the collection of OAuth 2.0 permission scopes that the web API (resource) app exposes to client apps. These permission scopes may be granted to client apps during consent.

NEW QUESTION: 37

You need to add code at line AM10 of the application manifest to ensure that the requirement for manually reviewing content can be met.

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

NOTE: Each correct selection is worth one point.

Answer:

Box 1: sid

Sid: Session ID, used for per-session user sign-out. Personal and Azure AD accounts.

Scenario: Manual review

To review content, the user must authenticate to the website portion of the ContentAnalysisService using their Azure AD credentials. The website is built using React and all pages and API endpoints require authentication.

In order to review content a user must be part of a ContentReviewer role.

Box 2: email

Scenario: All completed reviews must include the reviewer's email address for auditing purposes.

NEW QUESTION: 38

A company has multiple warehouse. Each warehouse contains IoT temperature devices which deliver temperature data to an Azure Service Bus queue.

You need to send email alerts to facility supervisors immediately if the temperature at a warehouse goes above or below specified threshold temperatures.

Which five 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:

Step 1: Create a blank Logic app.

Create and configure a Logic App.

Step 2: Add a logical app trigger that fires when one or more messages arrive in the queue.

Configure the logic app trigger.

Under Triggers, select When one or more messages arrive in a queue (auto-complete).

Step 3: Add an action that reads IoT temperature data from the Service Bus queue Step 4: Add a condition that compares the temperature against the upper and lower thresholds.

Step 5: Add an action that sends an email to specified personnel if the temperature is outside of those thresholds Reference:

<https://docs.microsoft.com/en-us/azure/iot-hub/iot-hub-monitoring-notifications-with-azure-logic-apps>

NEW QUESTION: 39

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.

Answer:

Box 1: id

id is a unique identifier for the event.

Box 2: eventType

eventType is one of the registered event types for this event source.

Box 3: dataVersion

dataVersion is the schema version of the data object. The publisher defines the schema version.

Scenario: Authentication events are used to monitor users signing in and signing out. All authentication events must be processed by Policy service. Sign outs must be processed as quickly as possible.

The following example shows the properties that are used by all event publishers:

```
[
{
  "topic": string,
  "subject": string,
  "id": string,
  "eventType": string,
  "eventTime": string,
  "data": {
    object-unique-to-each-publisher
  },
  "dataVersion": string,
  "metadataVersion": string
}
```

Reference:

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

NEW QUESTION: 40

You need to deploy a new version of the LabelMaker application to ACR.

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:

A picture containing timeline Description automatically generated

Step 1: Build a new application image by using dockerfile

Step 2: Create an alias if the image with the fully qualified path to the registry Before you can push the image to a private registry, you've to ensure a proper image name. This can be achieved using the docker tag command. For demonstration purpose, we'll use Docker's hello world image, rename it and push it to ACR.

```
# pulls hello-world from the public docker hub
```

```
$ docker pull hello-world
```

```
# tag the image in order to be able to push it to a private registry
```

```
$ docker tag hello-word <REGISTRY_NAME>/hello-world
```

```
# push the image
```

```
$ docker push <REGISTRY_NAME>/hello-world
```

Step 3: Log in to the registry and push image

In order to push images to the newly created ACR instance, you need to login to ACR form the Docker CLI.

Once logged in, you can push any existing docker image to your ACR instance.

Scenario:

Coho Winery plans to move the application to Azure and continue to support label creation.

LabelMaker app

Azure Monitor Container Health must be used to monitor the performance of workloads that are deployed to Kubernetes environments and hosted on Azure Kubernetes Service (AKS).

You must use Azure Container Registry to publish images that support the AKS deployment.

Reference:

<https://thorsten-hans.com/how-to-use-a-private-azure-container-registry-with-kubernetes-9b86e67b93b6>

<https://docs.microsoft.com/en-us/azure/container-registry/container-registry-tutorial-quick-task>

NEW QUESTION: 41

You are creating a hazard notification system that has a single signaling server which triggers audio and visual alarms to start and stop.

You implement Azure Service Bus to publish alarms. Each alarm controller uses Azure Service Bus to receive alarm signals as part of a transaction. Alarm events must be recorded for audit purposes. Each transaction record must include information about the alarm type that was activated.

You need to implement a reply trail auditing solution.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Assign the value of the hazard message SessionID property to the ReplyToSessionId property.
- B. Assign the value of the hazard message MessageId property to the DeliveryCount property.
- C. Assign the value of the hazard message SessionID property to the SequenceNumber property.
- D. Assign the value of the hazard message MessageId property to the CorrelationId property.
- E. Assign the value of the hazard message SequenceNumber property to the DeliveryCount property.
- F. Assign the value of the hazard message MessageId property to the SequenceNumber property.

Answer: ([SHOW ANSWER](#))

Reference:

<https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-messages-payloads>

NEW QUESTION: 42

You develop and deploy an Azure App Service web app to a production environment. You enable the Always On setting and the Application Insights site extensions. You deploy a code update and receive multiple failed requests and exceptions in the web app. You need to validate the performance and failure counts of the web app in near real time. Which Application Insights tool should you use?

- A. Live Metrics Stream
- B. Smart Detection
- C. Snapshot Debugger
- D. Application Map
- E. Profiler

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 43

You need to correct the Azure Logic app error message.

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

NOTE: Each correct selection is worth one point.

Answer:

Scenario: You test the Logic app in a development environment. The following error message displays:

'400 Bad Request'

Troubleshooting of the error shows an HttpTrigger action to call the RequestUserApproval function.

Note: If the inbound call's request body doesn't match your schema, the trigger returns an HTTP 400 Bad Request error.

Box 1: function

If you have an Azure function where you want to use the system-assigned identity, first enable authentication for Azure functions.

Box 2: system-assigned

Your logic app or individual connections can use either the system-assigned identity or a single user-assigned identity, which you can share across a group of logic apps, but not both.

Reference:

<https://docs.microsoft.com/en-us/azure/logic-apps/create-managed-service-identity>

NEW QUESTION: 44

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: Disable auto swap. Update the app with a method named statuscheck to run the scripts.

Re-enable auto swap and deploy the app to the Production slot.

Does the solution meet the goal?

A. Yes

B. No

Answer: (SHOW ANSWER)

Explanation

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.

```
<system.webServer>
  <applicationInitialization>
    <add initializationPage="/" hostname="[app hostname]" />
    <add initializationPage="/Home/About" hostname="[app hostname]" />
  </applicationInitialization>
</system.webServer>
```

Reference:

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

NEW QUESTION: 45

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: A,D ([LEAVE A REPLY](#))

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: 46

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 (LEAVE A REPLY)

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->

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NEW QUESTION: 47

You are developing an Azure solution.

You need to develop code to access a secret stored in Azure Key Vault.

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

NOTE: Each correct selection is worth one point.

Answer:

Graphical user interface, text, application Description automatically generated with medium confidence

Box 1: SecretClient

Box 2: DefaultAzureCredential

In below example, the name of your key vault is expanded to the key vault URI, in the format "https://<your-key-vault-name>.vault.azure.net". This example is using 'DefaultAzureCredential()' class from Azure Identity Library, which allows to use the same code across different environments with different options to provide identity.

string keyVaultName = Environment.GetEnvironmentVariable("KEY_VAULT_NAME"); var kvUri = "https://" + keyVaultName + ".vault.azure.net"; var client = new SecretClient(new Uri(kvUri), new DefaultAzureCredential()); Reference:
<https://docs.microsoft.com/en-us/azure/key-vault/secrets/quick-create-net>

NEW QUESTION: 48

You are designing a small app that will receive web requests containing encoded geographic coordinates. Calls to the app will occur infrequently.

Which compute solution should you recommend?

- A. Azure API Management
- B. Azure App Service
- C. Azure Functions
- D. Azure Batch

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 49

You are writing code to create and run an Azure Batch job.

You have created a pool of compute nodes.

You need to choose the right class and its method to submit a batch job to the Batch service.

Which method should you use?

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

Answer: ([SHOW ANSWER](#))

Explanation

A Batch job is a logical grouping of one or more tasks. A job includes settings common to the tasks, such as priority and the pool to run tasks on. The app uses the

BatchClient.JobOperations.CreateJob method to create a job on your pool.

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

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

References:

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

NEW QUESTION: 50

You need to add code at line EG15 in EventGridController.cs to ensure that the Log policy applies to all services.

How should you complete the code? To answer, drag the appropriate code segments to the correct locations.

Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Answer:

Scenario, Log policy: All Azure App Service Web Apps must write logs to Azure Blob storage.

Box 1: Status

Box 2: Succeeded

Box 3: operationName

Microsoft.Web/sites/write is resource provider operation. It creates a new Web App or updates an existing one.

Reference:

<https://docs.microsoft.com/en-us/azure/role-based-access-control/resource-provider-operations>

Topic 5, Litware Inc

Case study

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study

To display the first question in this case study, click the button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. When you are ready to answer a question, click the Background You are a developer for Litware Inc., a SaaS company that provides a solution for managing employee expenses. The solution consists of an ASP.NET Core Web API project that is deployed as an Azure Web App.

Overall architecture

Employees upload receipts for the system to process. When processing is complete, the employee receives a summary report email that details the processing results. Employees then

use a web application to manage their receipts and perform any additional tasks needed for reimbursement.

Receipt processing

Employees may upload receipts in two ways:

- * Uploading using an Azure Files mounted folder
- * Uploading using the web application

Data Storage

Receipt and employee information is stored in an Azure SQL database.

Documentation

Employees are provided with a getting started document when they first use the solution. The documentation includes details on supported operating systems for Azure File upload, and instructions on how to configure the mounted folder.

Solution details

Users table

Web Application

You enable MSI for the Web App and configure the Web App to use the security principal name WebAppIdentity.

Processing

Processing is performed by an Azure Function that uses version 2 of the Azure Function runtime. Once processing is completed, results are stored in Azure Blob Storage and an Azure SQL database. Then, an email summary is sent to the user with a link to the processing report. The link to the report must remain valid if the email is forwarded to another user.

Logging

Azure Application Insights is used for telemetry and logging in both the processor and the web application.

The processor also has TraceWriter logging enabled. Application Insights must always contain all log messages.

Requirements

Receipt processing

Concurrent processing of a receipt must be prevented.

Disaster recovery

Regional outage must not impact application availability. All DR operations must not be dependent on application running and must ensure that data in the DR region is up to date.

Security

* User's SecurityPin must be stored in such a way that access to the database does not allow the viewing of SecurityPins. The web application is the only system that should have access to SecurityPins.

* All certificates and secrets used to secure data must be stored in Azure Key Vault.

* You must adhere to the principle of least privilege and provide privileges which are essential to perform the intended function.

- * All access to Azure Storage and Azure SQL database must use the application's Managed Service Identity (MSI).
- * Receipt data must always be encrypted at rest.
- * All data must be protected in transit.
- * User's expense account number must be visible only to logged in users. All other views of the expense account number should include only the last segment, with the remaining parts obscured.
- * In the case of a security breach, access to all summary reports must be revoked without impacting other parts of the system.

Issues

Upload format issue

Employees occasionally report an issue with uploading a receipt using the web application. They report that when they upload a receipt using the Azure File Share, the receipt does not appear in their profile. When this occurs, they delete the file in the file share and use the web application, which returns a 500 Internal Server error page.

Capacity issue

During busy periods, employees report long delays between the time they upload the receipt and when it appears in the web application.

Log capacity issue

Developers report that the number of log messages in the trace output for the processor is too high, resulting in lost log messages.

Application code

Processing.cs

Database.cs

ReceiptUploader.cs

ConfigureSSE.ps1

NEW QUESTION: 51

You develop and deploy an Azure App Service web app. The app is deployed to multiple regions and uses Azure Traffic Manager. Application Insights is enabled for the app.

You need to analyze app uptime for each month.

Which two solutions will achieve the goal? Each correct answer presents a complete solution

NOTE: Each correct selection is worth one point

- A.** Application Insights alerts
- B.** Application Insights web tests
- C.** Azure Monitor logs
- D.** Azure Monitor metrics

Answer: (SHOW ANSWER)

Reference:

<https://azure.microsoft.com/en-us/blog/creating-a-web-test-alert-programmatically-with-application-insights/>

NEW QUESTION: 52

Fourth Coffee has an ASP.NET Core web app that runs in Docker. The app is mapped to the `www.fourthcoffee.com` domain.

Fourth Coffee is migrating this application to Azure.

You need to provision an App Service Web App to host this docker image and map the custom domain to the App Service web app.

A resource group named `FourthCoffeePublicWebResourceGroup` has been created in the WestUS region that contains an App Service Plan named `AppServiceLinuxDockerPlan`.

Which order should the CLI commands be used to develop the solution? To answer, move all of the Azure CLI command from the list of commands to the answer area and arrange them in the correct order.

Answer:

Step 1: `#bin/bash`

The `appName` is used when the webapp-name is created in step 2.

Step 2: `az webapp config hostname add`

The `webapp-name` is used when the webapp is created in step 3.

Step 3: `az webapp create`

Create a web app. In the Cloud Shell, create a web app in the `myAppServicePlan` App Service plan with the `az webapp create` command.

Step : `az webapp config container set`

In Create a web app, you specified an image on Docker Hub in the `az webapp create` command.

This is good enough for a public image. To use a private image, you need to configure your Docker account ID and password in your Azure web app.

In the Cloud Shell, follow the `az webapp create` command with `az webapp config container set`.

References:

<https://docs.microsoft.com/en-us/azure/app-service/containers/tutorial-custom-docker-image>

NEW QUESTION: 53

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.

Answer:

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: 54

You are developing a .NET application that communicates with Azure Storage.

A message must be stored when the application initializes.

You need to implement the message.

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

NOTE: Each correct selection is worth one point.

Answer:

NEW QUESTION: 55

You need to implement the delivery service telemetry data

How should you configure the solution?

NOTE: Each correct selection is worth one point.

Answer:

Graphical user interface, text, application Description automatically generated

NEW QUESTION: 56

A company is implementing a publish-subscribe (Pub/Sub) messaging component by using Azure Service Bus. You are developing the first subscription application.

In the Azure portal you see that messages are being sent to the subscription for each topic. You create and initialize a subscription client object by supplying the correct details, but the subscription application is still not consuming the messages.

You need to complete the source code of the subscription client

What should you do?

A. `await subscriptionClient.CloseAsync();`

B. `await subscriptionClient.AddRuleAsync(new RuleDescription(RuleDescription.DefaultRuleName, new TrueFilter()));`

C. subscriptionClient.RegisterMessageHandler(ProcessMessagesAsync, messageHandlerOptions);

D. subscriptionClient = new SubscriptionClient(ServiceBusConnectionString, TopicName, SubscriptionName);

Answer: ([SHOW ANSWER](#))

Explanation

Using topic client, call RegisterMessageHandler which is used to receive messages continuously from the entity. It registers a message handler and begins a new thread to receive messages.

This handler is waited on every time a new message is received by the receiver.

subscriptionClient.RegisterMessageHandler(ReceiveMessagesAsync, messageHandlerOptions);

References:

<https://www.c-sharpcorner.com/article/azure-service-bus-topic-and-subscription-pub-sub/>

NEW QUESTION: 57

You plan to create a Docker image that runs an 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 setupScripts.ps1 when the container is built.

- * Run ContosoApp.dll when the container starts.

The Dockerfile document must be created in the same folder where ContosoApp.dll and setupScript.ps1 are stored.

Which five 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.

Answer:

Box 1: CMD [..]

Cmd starts a new instance of the command interpreter, Cmd.exe.

Syntax: CMD <string>

Specifies the command you want to carry out.

Box 2: FROM microsoft/aspnetcore-build:latest

Box 3: WORKDIR /apps/ContosoApp

Bxo 4: COPY ./.

Box 5: RUN powershell ./setupScript.ps1

NEW QUESTION: 58

You develop a solution that uses Azure Virtual Machines (VMs).

The VMs contain code that must access resources in an Azure resource group. You grant the VM access to the resource group in Resource Manager.

You need to obtain an access token that uses the VMs system-assigned managed identity.

Which two actions should you perform? Each correct answer presents part of the solution.

A. From the code on the VM. call Azure Resource Manager using an access token.

- B.** Use PowerShell on a remote machine to make a request to the local managed identity for Azure resources endpoint.
- C.** Use PowerShell on the VM to make a request to the local managed identity for Azure resources endpoint.
- D.** From the code on the VM. call Azure Resource Manager using a SAS token.
- E.** From the code on the VM. generate a user delegation SAS token.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 59

You develop a REST API. You implement a user delegation SAS token to communicate with Azure Blob storage.

The token is compromised.

You need to revoke the token.

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.** Revoke the delegation keys
- B.** Delete the stored access policy.
- C.** Regenerate the account key.
- D.** Remove the role assignment for the security principle.

Answer: ([SHOW ANSWER](#))

Explanation

A: Revoke a user delegation SAS

To revoke a user delegation SAS from the Azure CLI, call the `az storage account revoke-delegation-keys` command. This command revokes all of the user delegation keys associated with the specified storage account.

Any shared access signatures associated with those keys are invalidated.

B: To revoke a stored access policy, you can either delete it, or rename it by changing the signed identifier.

Changing the signed identifier breaks the associations between any existing signatures and the stored access policy. Deleting or renaming the stored access policy immediately effects all of the shared access signatures associated with it.

D18912E1457D5D1DDCBD40AB3BF70D5D

Reference:

<https://github.com/MicrosoftDocs/azure-docs/blob/master/articles/storage/blobs/storage-blob-user-delegationsas->

<https://docs.microsoft.com/en-us/rest/api/storageservices/define-stored-access-policy#modifying-or-revoking-ast>

NEW QUESTION: 60

You have an Azure Batch project that processes and converts files and stores the files in Azure storage. You are developing a function to start the batch job.

You add the following parameters to the function.

You must ensure that converted files are placed in the container referenced by the outputContainerSasUrl parameter. Files which fail to convert are placed in the container referenced by the failedContainerSasUrl parameter.

You need to ensure the files are correctly processed.

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

NOTE: Each correct selection is worth one point.

Answer:

Box 1: CreateJob

Box 2: TaskSuccess

TaskSuccess: Upload the file(s) only after the task process exits with an exit code of 0.

Incorrect: TaskCompletion: Upload the file(s) after the task process exits, no matter what the exit code was.

Box 3: TaskFailure

TaskFailure: Upload the file(s) only after the task process exits with a nonzero exit code.

Box 4: OutputFiles

To specify output files for a task, create a collection of OutputFile objects and assign it to the CloudTask.OutputFiles property when you create the task.

References:

<https://docs.microsoft.com/en-us/dotnet/api/microsoft.azure.batch.protocol.models.outputfileuploadcondition>

<https://docs.microsoft.com/en-us/azure/batch/batch-task-output-files>

NEW QUESTION: 61

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 an HTTP triggered Azure Function app to process Azure Storage blob data. The app is triggered using an output binding on the blob.

The app continues to time out after four minutes. The app must process the blob data.

You need to ensure the app does not time out and processes the blob data.

Solution: Pass the HTTP trigger payload into an Azure Service Bus queue to be processed by a queue trigger function and return an immediate HTTP success response.

Does the solution meet the goal?

A. Yes

B. No

Answer: ([SHOW ANSWER](#))

Explanation

Large, long-running functions can cause unexpected timeout issues. General best practices include:

Whenever possible, refactor large functions into smaller function sets that work together and return responses fast. For example, a webhook or HTTP trigger function might require an acknowledgment response within a certain time limit; it's common for webhooks to require an immediate response. You can pass the HTTP trigger payload into a queue to be processed by a queue trigger function. This approach lets you defer the actual work and return an immediate response.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-functions/functions-best-practices>

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NEW QUESTION: 62

You are developing an application that uses Azure Blob storage.

The application must read the transaction logs of all the changes that occur to the blobs and the blob metadata in the storage account for auditing purposes. The changes must be in the order in which they occurred, include only create, update, delete, and copy operations and be retained for compliance reasons.

You need to process the transaction logs asynchronously.

What should you do?

- A.** Process all Azure Blob storage events by using Azure Event Grid with a subscriber Azure Function app.
- B.** Enable the change feed on the storage account and process all changes for available events.
- C.** Process all Azure Storage Analytics logs for successful blob events.
- D.** Use the Azure Monitor HTTP Data Collector API and scan the request body for successful blob events.

Answer: ([SHOW ANSWER](#))

Explanation

Change feed support in Azure Blob Storage

The purpose of the change feed is to provide transaction logs of all the changes that occur to the blobs and the blob metadata in your storage account. The change feed provides ordered,

guaranteed, durable, immutable, read-only log of these changes. Client applications can read these logs at any time, either in streaming or in batch mode. The change feed enables you to build efficient and scalable solutions that process change events that occur in your Blob Storage account at a low cost.

Reference:

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

NEW QUESTION: 63

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: Enable auto swap for the Testing slot. Deploy the app to the Testing slot.

Does the solution meet the goal?

A. Yes

B. No

Answer: (SHOW ANSWER)

Explanation

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.

```
<system.webServer>
  <applicationInitialization>
    <add initializationPage="/" hostname="[app hostname]" />
    <add initializationPage="/Home/About" hostname="[app hostname]" />
  </applicationInitialization>
</system.webServer>
```

Reference:

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

NEW QUESTION: 64

You are building a web application that performs image analysis on user photos and returns metadata containing objects identified. The image analysis is very costly in terms of time and

compute resources. You are planning to use Azure Redis Cache so Cache uploads do not need to be reprocessed.

In case of an Azure data center outage metadata loss must be kept to a minimum.

You need to configure the Azure Redis cache instance.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Configure Azure Redis with RDS persistence
- B. Configure Azure Redis with persistence
- C. Set backup frequency to the minimum value
- D. Configure second storage account for persistence

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 65

You are building a web application that performs image analysis on user photos and returns metadata containing objects identified. The image is very costly in terms of time and compute resources. You are planning to use Azure Redis Cache so duplicate uploads do not need to be reprocessed.

In case of an Azure data center outage, metadata loss must be kept to a minimum. You need to configure the Azure Redis cache instance.

Which two actions should you perform?

- A. Set backup frequency to the minimum value.
- B. Configure Azure Redis with AOF persistence
- C. Configure Azure Redis with rob persistence
- D. Configure second storage account for persistence.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 66

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You are developing an Azure Service application that processes queue data when it receives a message from a mobile application. Messages may not be sent to the service consistently.

You have the following requirements:

- * Queue size must not grow larger than 80 gigabytes (GB).
- * Use first-in-first-out (FIFO) ordering of messages.
- * Minimize Azure costs.

You need to implement the messaging solution.

Solution: Use the .Net API to add a message to an Azure Service Bus Queue from the mobile application.

Create an Azure Function App that uses an Azure Service Bus Queue trigger.

Does the solution meet the goal?

A. Yes

B. No

Answer: A ([LEAVE A REPLY](#))

Explanation

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

Reference:

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

NEW QUESTION: 67

Your company is migrating applications to Azure. The IT department must allow internal developers to communicate with Microsoft support.

The service agents of the IT department must only have view resources and create support ticket permissions to all subscriptions. A new custom role must be created by reusing a default role definition and changing the permissions.

You need to create the custom role.

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

NOTE: Each correct selection is worth one point.

Answer:

Box 1: Set-AzureRmRoleDefinition Input-File C:\SupportRole.json

The Set-AzureRmRoleDefinition cmdlet updates an existing custom role in Azure Role-Based Access Control.

Provide the updated role definition as an input to the command as a JSON file or a PSRoleDefinition object.

The role definition for the updated custom role MUST contain the Id and all other required properties of the role even if they are not updated: DisplayName, Description, Actions, AssignableScope
Box 2: `"/read*.*" Microsoft.Support/" Microsoft.Support/* Create and manage support tickets`

"Microsoft.Support" role definition azure

NEW QUESTION: 68

A company uses Azure SQL Database to store data for an app. The data includes sensitive information.

You need to implement measures that allow only members of the managers group to see sensitive information.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Option A

- B. Option B
- C. Option C
- D. Option D
- E. Option E

Answer: ([SHOW ANSWER](#))

Explanation

Dynamic data masking helps prevent unauthorized access to sensitive data by enabling customers to designate how much of the sensitive data to reveal with minimal impact on the application layer.

SQL users excluded from masking - A set of SQL users or AAD identities that get unmasked data in the SQL query results.

Note: The New-AzureRmSqlDatabaseDataMaskingRule cmdlet creates a data masking rule for an Azure SQL database.

References:

<https://docs.microsoft.com/en-us/powershell/module/azurerm.sql/new-azurermsqldatabasedatamaskingrule?view>

NEW QUESTION: 69

You are a developer for a Software as a Service (SaaS) company. You develop solutions that provide the ability to send notifications by using Azure Notification Hubs.

You need to create sample code that customers can use as a reference for how to send raw notifications to Windows Push Notification Services (WNS) devices. The sample code must not use external packages.

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

NOTE: Each correct selection is worth one point.

Answer:

Graphical user interface, text, application, email Description automatically generated

Box 1: windows

Example code:

```
var request = new HttpRequestMessage(method, $"{resourceUri}?api-version=2017-04");
request.Headers.Add("Authorization", createToken(resourceUri, KEY_NAME, KEY_VALUE));
request.Headers.Add("X-WNS-Type", "wns/raw"); request.Headers.Add("ServiceBusNotification-Format", "windows"); return request;
```

Box 2: application/octet-stream Example code capable of sending a raw notification:

```
string resourceUri = $"https://{NH_NAMESPACE}.servicebus.windows.net/{HUB_NAME}/messages/"; using (var request = CreateHttpRequest(HttpMethod.Post, resourceUri))
{
```

```
request.Content = new StringContent(content, Encoding.UTF8, "application/octet-stream");  
request.Content.Headers.ContentType.CharSet = string.Empty; var httpClient = new HttpClient();  
var response = await httpClient.SendAsync(request); Console.WriteLine(response.StatusCode);  
}
```

Reference:

<https://stackoverflow.com/questions/31346714/how-to-send-raw-notification-to-azure-notification-hub/31347901>

NEW QUESTION: 70

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.

Answer:

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: 71

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.

Answer:

Graphical user interface, application Description automatically generated

Box 1: Azure Event Grid

Blob storage events are pushed using Azure Event Grid to subscribers such as Azure Functions, Azure Logic Apps, or even to your own http listener. Event Grid provides reliable event delivery to your applications through rich retry policies and dead-lettering.

Box 2: Azure Logic App

Event Grid uses event subscriptions to route event messages to subscribers. This image illustrates the relationship between event publishers, event subscriptions, and event handlers.

Diagram Description automatically generated

Box 3: Azure Service Bus

The Event Grid service doesn't store events. Instead, events are stored in the Event Handlers, including ServiceBus, EventHubs, Storage Queue, WebHook endpoint, or many other supported Azure Services.

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>

NEW QUESTION: 72

You need to design network connectivity for a subnet in an Azure virtual network. The subnet will contain 30 virtual machines. The virtual machines will establish outbound connections to internet hosts by using the same a pool of four public IP addresses, inbound connections to the virtual machines will be prevented.

What should include in the design?

- A. User Defined Routes
- B. Azure Virtual WAN
- C. Azure Private Link
- D. NAT Gateway

Answer: (SHOW ANSWER)

NEW QUESTION: 73

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:

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: 74

You need to implement the corporate website.

How should you configure the solution?

Answer:

NEW QUESTION: 75

You need to Implement the retail store location Azure Function.

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

NOTE: Each correct selection is worth one point.

Answer:

Graphical user interface, application Description automatically generated

Scenario: Retail store locations: Azure Functions must process data immediately when data is uploaded to Blob storage.

Box 1: HTTP

Binding configuration example: `https://<storage_account_name>.blob.core.windows.net` Box 2:

Input Read blob storage data in a function: Input binding Box 3: Blob storage The Blob storage trigger starts a function when a new or updated blob is detected.

Azure Functions integrates with Azure Storage via triggers and bindings. Integrating with Blob storage allows you to build functions that react to changes in blob data as well as read and write values.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-functions/functions-bindings-storage-blob-trigger>

NEW QUESTION: 76

You are developing a web application that uses Azure Cache for Redis. You anticipate that the cache will frequently fill and that you will need to evict keys.

You must configure Azure Cache for Redis based on the following predicted usage pattern: A small subset of elements will be accessed much more often than the rest.

You need to configure the Azure Cache for Redis to optimize performance for the predicted usage pattern.

Which two eviction policies will achieve the goal?

NOTE: Each correct selection is worth one point.

- A. noeviction
- B. allkeys-lru
- C. volatile-lru
- D. allkeys-random
- E. volatile-ttl
- F. volatile-random

Answer: (SHOW ANSWER)

Explanation

B: The allkeys-lru policy evict keys by trying to remove the less recently used (LRU) keys first, in order to make space for the new data added. Use the allkeys-lru policy when you expect a power-law distribution in the popularity of your requests, that is, you expect that a subset of elements will be accessed far more often than the rest.

C: volatile-lru: evict keys by trying to remove the less recently used (LRU) keys first, but only among keys that have an expire set, in order to make space for the new data added.

Note: The allkeys-lru policy is more memory efficient since there is no need to set an expire for the key to be evicted under memory pressure.

Reference:

<https://redis.io/topics/lru-cache>

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NEW QUESTION: 77

You are developing an Azure Function App that generates end of day reports (or retail stores. All stores dose at 11 PM each day. Reports must be run one hour after dosing. You configure the function to use a Timer trigger that runs at midnight Customers in the Western United States

Pacific Time zone (UTC - 8) report that the Azure Function runs before the stores close. You need to ensure that the Azure Function runs at midnight in the Pacific Time zone.

What should you do?

- A. Add an app setting named WEBSITE_TIME_ZONE that uses the value Pacific Standard Time
- B. Change the Timer trigger to run at 7 AM
- C. Update the Azure Function to a Premium plan.
- D. Configure the Azure Function to run in the West US region.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 78

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 Azure solutions.

You must grant a virtual machine (VM) access to specific resource groups in Azure Resource Manager.

You need to obtain an Azure Resource Manager access token.

Solution: Run the Invoke-RestMethod cmdlet to make a request to the local managed identity for Azure resources endpoint.

Does the solution meet the goal?

- A. Yes
- B. No

Answer: A ([LEAVE A REPLY](#))

Explanation

Get an access token using the VM's system-assigned managed identity and use it to call Azure Resource Manager. You will need to use PowerShell in this portion.

* In the portal, navigate to Virtual Machines and go to your Windows virtual machine and in the Overview, click Connect.

* Enter in your Username and Password for which you added when you created the Windows VM.

* Now that you have created a Remote Desktop Connection with the virtual machine, open PowerShell in the remote session.

* Using the Invoke-WebRequest cmdlet, make a request to the local managed identity for Azure resources endpoint to get an access token for Azure Resource Manager.

Example:

```
$response = Invoke-WebRequest -Uri '
http://169.254.169.254/metadata/identity/oauth2/token?api-version=2018-02-01
&resource=https://management.azure.com/' -Method GET -Headers @{Metadata="true"}
```

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory/managed-identities-azure-resources/tutorial-windows-vm>

NEW QUESTION: 79

You are developing a data storage solution for a social networking app.

The solution requires a mobile app that stores user information using Azure Table Storage.

You need to develop code that can insert multiple sets of user information.

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

NOTE: Each correct selection is worth one point.

Answer:

Box 1, Box 2: TableBatchOperation

Create the batch operation.

```
TableBatchOperation op = new TableBatchOperation();
```

Box 3: ExecuteBatch

/ Execute the batch operation.

```
table.ExecuteBatch(op);
```

Note: You can insert a batch of entities into a table in one write operation. Some other notes on batch operations:

You can perform updates, deletes, and inserts in the same single batch operation.

A single batch operation can include up to 100 entities.

All entities in a single batch operation must have the same partition key.

While it is possible to perform a query as a batch operation, it must be the only operation in the batch.

References:

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

NEW QUESTION: 80

You develop Azure solutions.

You must connect to a No-SQL globally-distributed database by using the .NET API.

You need to create an object to configure and execute requests in the database.

Which code segment should you use?

A. `new Container(EndpointUri, PrimaryKey);`

B. `new Database(Endpoint, PrimaryKey);`

C. `new CosmosClient(EndpointUri, PrimaryKey);`

Answer: ([SHOW ANSWER](#))

Explanation

Example:

```
// Create a new instance of the Cosmos Client
```

```
this.cosmosClient = new CosmosClient(EndpointUri, PrimaryKey)
```

```
//ADD THIS PART TO YOUR CODE
```

await this.CreateDatabaseAsync();

Reference:

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

NEW QUESTION: 81

You provide an Azure API Management managed web service to clients. The back end web service implements HTTP Strict Transport Security (HSTS).

Every request to the backend service must include a valid HTTP authorization header.

You need to configure the Azure API Management instance with an authentication policy.

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

- A. OAuth Client Credential Grant
- B. Certificate Authentication
- C. Basic Authentication
- D. Digest Authentication

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 82

You are developing an ASP.NET Core website that can be used to manage photographs which are stored in Azure Blob Storage containers.

Users of the website authenticate by using their Azure Active Directory (Azure AD) credentials. You implement role-based access control (RBAC) role permission on the containers that store photographs.

You assign users to RBAC role.

You need to configure the website's Azure AD Application so that user's permissions can be used with the Azure Blob containers.

How should you configure the application? To answer, drag the appropriate setting to the correct location.

Each setting 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.

Answer:

Box 1: user_impersonation

Box 2: delegated

Example:

1. Select the API permissions section
2. Click the Add a permission button and then:
Ensure that the My APIs tab is selected
3. In the list of APIs, select the API TodoListService-aspnetcore.
4. In the Delegated permissions section, ensure that the right permissions are checked:
user_impersonation.

5. Select the Add permissions button.

Box 3: delegated

Example

1. Select the API permissions section

2. Click the Add a permission button and then,

Ensure that the Microsoft APIs tab is selected

3. In the Commonly used Microsoft APIs section, click on Microsoft Graph

4. In the Delegated permissions section, ensure that the right permissions are checked:

User.Read. Use the search box if necessary.

5. Select the Add permissions button

References:

<https://docs.microsoft.com/en-us/samples/azure-samples/active-directory-dotnet-webapp-webapi-openidconnect->

NEW QUESTION: 83

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 the Azure portal, create a Batch account.

B. In a .NET method, call the method: BatchClient.PoolOperations.CreatePool

C. In Python, implement the class: JobAddParameter

D. In Python, implement the class: TaskAddParameter

Answer: B ([LEAVE A REPLY](#))

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.

NEW QUESTION: 84

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: ([SHOW ANSWER](#))

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: 85

You are developing an ASP.NET Core app that includes feature flags which are managed by Azure App Configuration. You create an Azure App Configuration store named AppFeatureFlagStore that contains a feature flag named Export.

You need to update the app to meet the following requirements:

- * Use the Export feature in the app without requiring a restart of the app.
- * Validate users before users are allowed access to secure resources.
- * Permit users to access secure resources.

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

NOTE: Each correct selection is worth one point.

Answer:

Box 1: UseAuthentication

Need to validate users before users are allowed access to secure resources.

UseAuthentication adds the AuthenticationMiddleware to the specified IApplicationBuilder, which enables authentication capabilities.

Box 2: UseAuthorization

Need to permit users to access secure resources.

UseAuthorization adds the AuthorizationMiddleware to the specified IApplicationBuilder, which enables authorization capabilities.

Box 3: UseStaticFiles

Need to use the Export feature in the app without requiring a restart of the app.

UseStaticFiles enables static file serving for the current request path Reference:

<https://docs.microsoft.com/en-us/dotnet/api/microsoft.aspnetcore.builder.iapplicationbuilder?view=aspnetcore-5>.

NEW QUESTION: 86

You need to ensure disaster recovery requirements are met.

What code should you add at line PC16?

To answer, drag the appropriate code fragments to the correct locations. Each code fragment 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.

Answer:

Scenario: Disaster recovery. Regional outage must not impact application availability. All DR operations must not be dependent on application running and must ensure that data in the DR region is up to date.

Box 1: DirectoryTransferContext

We transfer all files in the directory.

Note: The TransferContext object comes in two forms: SingleTransferContext and DirectoryTransferContext.

The former is for transferring a single file and the latter is for transferring a directory of files.

Box 2: ShouldTransferCallbackAsync

The DirectoryTransferContext.ShouldTransferCallbackAsync delegate callback is invoked to tell whether a transfer should be done.

Box 3: False

If you want to use the retry policy in Copy, and want the copy can be resume if break in the middle, you can use SyncCopy (isServiceCopy = false).

Note that if you choose to use service side copy ('isServiceCopy' set to true), Azure (currently) doesn't provide SLA for that. Setting 'isServiceCopy' to false will download the source blob locally.
Reference:

<https://docs.microsoft.com/en-us/azure/storage/common/storage-use-data-movement-library>

[https://docs.microsoft.com/en-](https://docs.microsoft.com/en-us/dotnet/api/microsoft.windowsazure.storage.datamovement.directorytransfercon)

[us/dotnet/api/microsoft.windowsazure.storage.datamovement.directorytransfercon](https://docs.microsoft.com/en-us/dotnet/api/microsoft.windowsazure.storage.datamovement.directorytransfercon)

NEW QUESTION: 87

You are creating a CLI script that creates an Azure web app related services in Azure App Service. The web app uses the following variables:

You need to automatically deploy code from GitHub to the newly created web app.

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

NOTE: Each correct selection is worth one point.

Answer:

Box 1: az appservice plan create

The azure group creates command successfully returns JSON result. Now we can use resource group to create a azure app service plan
Box 2: az webapp create Create a new web app..

Box 3: --plan \$webappname

with the serviceplan we created in step 1.

Box 4: az webapp deployment

Continuous Delivery with GitHub. Example:

az webapp deployment source config --name firstsamplewebsite1 --resource-group websites--
repo-url \$gitrepo

--branch master --git-token \$token

Box 5: --repo-url \$gitrepo --branch master --manual-integration

Reference:

[https://medium.com/@satish1v/devops-your-way-to-azure-web-apps-with-azure-](https://medium.com/@satish1v/devops-your-way-to-azure-web-apps-with-azure-cli-206ed4b3e9b1)
[cli-206ed4b3e9b1](https://medium.com/@satish1v/devops-your-way-to-azure-web-apps-with-azure-cli-206ed4b3e9b1)

NEW QUESTION: 88

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

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

- *Share session state across all ASP.NET web applications

- *Support controlled, concurrent access to the same session state data for multiple readers and a single writer

*Save full HTTP responses for concurrent requests

You need to store the information.

Proposed Solution: Add the web applications to Docker containers. Deploy the containers. Deploy the containers to Azure Kubernetes Service (AKS).

Does the solution meet the goal?

A. Yes

B. No

Answer: ([SHOW ANSWER](#))

Explanation

Instead use Azure Cache for Redis.

Note: Azure Cache for Redis provides a session state provider that you can use to store your session state in-memory with Azure Cache for Redis instead of a SQL Server database. To use the caching session state provider, first configure your cache, and then configure your ASP.NET application for cache using the Azure Cache for Redis Session State NuGet package.

References:

<https://docs.microsoft.com/en-us/azure/azure-cache-for-redis/cache-aspnet-session-state-provider>

NEW QUESTION: 89

An organization plans to deploy Azure storage services.

You need to configure shared access signature (SAS) for granting access to Azure Storage.

Which SAS types should you use? To answer, drag the appropriate SAS types to the correct requirements.

Each SAS 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.

Answer:

Graphical user interface, text, application, email Description automatically generated

Reference:

<https://docs.microsoft.com/en-us/azure/storage/common/storage-sas-overview>

NEW QUESTION: 90

You are developing an Azure Function app.

The app must meet the following requirements:

* Enable developers to write the functions by using the Rust language.

* Declaratively connect to an Azure Blob Storage account.

You need to implement the app.

Which Azure Function app features should you use? To answer, drag the appropriate features to the correct requirements. Each feature may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Answer:

Graphical user interface, application Description automatically generated

Box 1: Custom handler

Custom handlers can be used to create functions in any language or runtime by running an HTTP server process, for example Go or Rust.

Box 2: Trigger

Functions are invoked by a trigger and can have exactly one. In addition to invoking the function, certain triggers also serve as bindings. You may also define multiple bindings in addition to the trigger. Bindings provide a declarative way to connect data to your code.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-functions/create-first-function-vs-code-other>

<https://docs.microsoft.com/en-us/dotnet/architecture/serverless/azure-functions>

NEW QUESTION: 91

You are developing an Azure Web App. You configure TLS mutual authentication for the web app.

You need to validate the client certificate in the web app. To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

Accessing the client certificate from App Service.

If you are using ASP.NET and configure your app to use client certificate authentication, the certificate will be available through the `HttpRequest.ClientCertificate` property. For other application stacks, the client cert will be available in your app through a base64 encoded value in the "X-ARR-ClientCert" request header. Your application can create a certificate from this value and then use it for authentication and authorization purposes in your application.

References:

<https://docs.microsoft.com/en-us/azure/app-service/app-service-web-configure-tls-mutual-auth>

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NEW QUESTION: 92

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

Margie's Travel is an international travel and bookings management service. The company is expanding into restaurant bookings. You are tasked with implementing Azure Search for the restaurants listed in their solution.

You create the index in Azure Search.

You need to import the restaurant data into the Azure Search service by using the Azure Search .NET SDK.

Solution:

1. Create a SearchServiceClient object to connect to the search index.
2. Create a DataContainer that contains the documents which must be added.
3. Create a DataSource instance and set its Container property to the DataContainer.
4. Set the DataSource property of the SearchServiceClient

Does the solution meet the goal?

A. Yes

B. No

Answer: ([SHOW ANSWER](#))

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: 93

you need to reduce read latency for the retail store solution.

What are two possible ways to achieve the goal? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A.** Create a new composite index for the store location data queries in Azure Cosmos DB. Modify the queries to support parameterized SQL and update the Azure function app to call the new Queries.
- B.** Configure Azure Cosmos DB consistency to strong consistency Increase the RUs for the container supporting store location data.
- C.** Provision an Azure Cosmos DB dedicated gateway, update blob storage to use the new dedicated gateway endpoint.

D. Provision an Azure Cosmos DB dedicated gateway Update the Azure Function app connection string to use the new dedicated gateway endpoint.

E. Configure Azure Cosmos DB consistency to session consistency. Cache session tokens in a new Azure Redis cache instance after every write. Update reads to use the session token stored in Azure Redis.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 94

You need to correct the RequestUserApproval Function app error.

What should you do?

A. Update line RA13 to use the async keyword and return an HttpRequest object value.

B. Configure the Function app to use an App Service hosting plan. Enable the Always On setting of the hosting plan.

C. Update the function to be stateful by using Durable Functions to process the request payload.

D. Update the functionTimeout property of the host.json project file to 15 minutes.

Answer: ([SHOW ANSWER](#))

Explanation

Async operation tracking

The HTTP response mentioned previously is designed to help implement long-running HTTP async APIs with Durable Functions. This pattern is sometimes referred to as the polling consumer pattern.

Both the client and server implementations of this pattern are built into the Durable Functions HTTP APIs.

Function app

You perform local testing for the RequestUserApproval function. The following error message displays:

'Timeout value of 00:10:00 exceeded by function: RequestUserApproval'

The same error message displays when you test the function in an Azure development environment when you run the following Kusto query:

FunctionAppLogs

| where FunctionName == "RequestUserApproval"

References:

<https://docs.microsoft.com/en-us/azure/azure-functions/durable/durable-functions-http-features>

NEW QUESTION: 95

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

Answer: ([SHOW ANSWER](#))

Explanation

Add the validate-jwt policy to validate the OAuth token for every incoming request.

Reference:

<https://docs.microsoft.com/en-us/azure/api-management/api-management-howto-protect-backend-with-aad>

NEW QUESTION: 96

A company runs an international travel and bookings management service. The company plans to begin offering restaurant bookings. You must develop a solution that uses Azure Search and meets the following requirements:

- * Users must be able to search for restaurants by name, description, location, and cuisine.
- * Users must be able to narrow the results further by location, cuisine, rating, and family-friendliness.
- * All words in descriptions must be included in searches.

You need to add annotations to the restaurant class.

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

NOTE: Each correct selection is worth one point.

Answer:

Box 1: [IsSearchable.IsFilterable.IsSortable,IsFacetable]

Location

Users must be able to search for restaurants by name, description, location, and cuisine.

Users must be able to narrow the results further by location, cuisine, rating, and family-friendliness.

Box 2: [IsSearchable.IsFilterable.IsSortable,Required]

Description

Users must be able to search for restaurants by name, description, location, and cuisine.

All words in descriptions must be included in searches.

Box 3: [IsFilterable,IsSortable,IsFaceTable]

Rating

Users must be able to narrow the results further by location, cuisine, rating, and family-friendliness.

Box 4: [IsSearchable.IsFilterable,IsFacetable]

Cuisines

Users must be able to search for restaurants by name, description, location, and cuisine.

Users must be able to narrow the results further by location, cuisine, rating, and family-friendliness.

Box 5: [IsFilterable,IsFacetable]

FamilyFriendly

Users must be able to narrow the results further by location, cuisine, rating, and family-friendliness.

References:

<https://www.henkboelman.com/azure-search-the-basics/>

NEW QUESTION: 97

You are implementing an order processing system. A point of sale application publishes orders to topics in an Azure Service Bus queue. The label property for the topic includes the following data:

The system has the following requirements for subscriptions

You need to implement filtering and maximize throughput while evaluating filters.

Which filter types should you implement? To answer, drag the appropriate filter types to the correct subscriptions. Each filter 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.

Answer:

FutureOrders: SQLFilter

HighPriorityOrders: CorrelationFilter

CorrelationID only

InternationalOrders: SQLFilter

Country NOT USA requires an SQL Filter

HighQuantityOrders: SQLFilter

Need to use relational operators so an SQL Filter is needed.

AllOrders: No Filter

SQL Filter: SQL Filters - A SqlFilter holds a SQL-like conditional expression that is evaluated in the broker against the arriving messages' user-defined properties and system properties. All system properties must be prefixed with sys. in the conditional expression. The SQL-language subset for filter conditions tests for the existence of properties (EXISTS), as well as for null-values (IS NULL), logical NOT/AND/OR, relational operators, simple numeric arithmetic, and simple text pattern matching with LIKE.

Correlation Filters - A CorrelationFilter holds a set of conditions that are matched against one or more of an arriving message's user and system properties. A common use is to match against the CorrelationId property, but the application can also choose to match against ContentType, Label, MessageId, ReplyTo, ReplyToSessionId, SessionId, To, and any user-defined properties. A match exists when an arriving message's value for a property is equal to the value specified in the correlation filter. For string expressions, the comparison is case-sensitive. When specifying multiple match properties, the filter combines them as a logical AND condition, meaning for the filter to match, all conditions must match.

Boolean filters - The TrueFilter and FalseFilter either cause all arriving messages (true) or none of the arriving messages (false) to be selected for the subscription.

References:

<https://docs.microsoft.com/en-us/azure/service-bus-messaging/topic-filters>

NEW QUESTION: 98

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 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 and use Integrated Windows Authentication in the website.
- * In the website, query Microsoft Graph API to load the group to which the user is a member.

Does the solution meet the goal?

A. Yes

B. No

Answer: (SHOW ANSWER)

Explanation

Microsoft Graph is a RESTful web API that enables you to access Microsoft Cloud service resources.

Instead in the 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.

Reference:

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

NEW QUESTION: 99

You are developing a microservices solution. You plan to deploy the solution to a multinode Azure Kubernetes Service (AKS) cluster.

You need to deploy a solution that includes the following features:

- * reverse proxy capabilities
- * configurable traffic routing
- * TLS termination with a custom certificate

Which components should you use? To answer, drag the appropriate components to the correct requirements.

Each component 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.

Answer:

Box 1: Helm

To create the ingress controller, use Helm to install nginx-ingress.

Box 2: kubectl

To find the cluster IP address of a Kubernetes pod, use the kubectl get pod command on your local machine, with the option -o wide .

Box 3: Ingress Controller

An ingress controller is a piece of software that provides reverse proxy, configurable traffic routing, and TLS termination for Kubernetes services. Kubernetes ingress resources are used to configure the ingress rules and routes for individual Kubernetes services.

Reference:

<https://docs.microsoft.com/bs-cyrl-ba/azure/aks/ingress-basic>

<https://www.digitalocean.com/community/tutorials/how-to-inspect-kubernetes-networking>

NEW QUESTION: 100

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

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

You need to resolve the error.

What should you do?

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

Answer: (SHOW ANSWER)

Explanation

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

References:

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

NEW QUESTION: 101

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.

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 DataContainer.
4. Call the Documents.Suggest method of the SearchIndexClient and pass the DataSource.

Does the solution meet the goal?

A. Yes

B. No

Answer: ([SHOW ANSWER](#))

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: 102

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

Answer: A ([LEAVE A REPLY](#))

Explanation

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.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-functions/manage-connections>

<https://docs.microsoft.com/en-us/azure/azure-functions/functions-scale#service-limits>

NEW QUESTION: 103

You are preparing to deploy an Azure virtual machine (VM) based application. The VMs that run the application have the following requirements:

- * When a VM is provisioned the firewall must be automatically configured before it can access Azure resources.

- * Supporting services must be installed by using an Azure PowerShell script that is stored in Azure Storage You need to ensure that the requirements are met.

Which features should you use? To answer, drag the appropriate features to the correct requirements.

Answer:

Reference:

<https://docs.microsoft.com/en-us/azure/automation/automation-hybrid-runbook-worker>

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/run-command>

NEW QUESTION: 104

You are developing an app that manages users for a video game. You plan to store the region, email address, and phone number for the player. Some players may not have a phone number. The player's region will be used to load-balance data.

Data for the app must be stored in Azure Table Storage.

You need to develop code to retrieve data for an individual player.

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

NOTE: Each correct selection is worth one point.

Answer:

Explanation:

Box 1: region

The player's region will be used to load-balance data.

Choosing the PartitionKey.

The core of any table's design is based on its scalability, the queries used to access it, and storage operation requirements. The PartitionKey values you choose will dictate how a table will

be partitioned and the type of queries that can be used. Storage operations, in particular inserts, can also affect your choice of PartitionKey values.

Box 2: email

Not phone number some players may not have a phone number.

Box 3: CloudTable

Box 4 : TableOperation query =..

Box 5: TableResult

References:

<https://docs.microsoft.com/en-us/rest/api/storageservices/designing-a-scalable-partitioning-strategy-for-azure-tab>

NEW QUESTION: 105

You need to configure Azure App Service to support the REST API requirements.

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

NOTE: Each correct selection is worth one point.

Answer:

Plan: Standard

Standard support auto-scaling

Instance Count: 10

Max instances for standard is 10.

Scenario:

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

- * Allow deployment to a testing location within Azure while not incurring additional costs.
- * Automatically scale to double capacity during peak shipping times while not causing application downtime.
- * Minimize costs when selecting an Azure payment model.

References:

<https://azure.microsoft.com/en-us/pricing/details/app-service/plans/>

NEW QUESTION: 106

You develop and deploy an Azure Logic app that calls an Azure Function app. The Azure Function app includes an OpenAPI (Swagger) definition and uses an Azure Blob storage account. All resources are secured by using Azure Active Directory (Azure AD).

The Azure Logic app must securely access the Azure Blob storage account. Azure AD resources must remain if the Azure Logic app is deleted.

You need to secure the Azure Logic app.

What should you do?

- A.** Create an Azure AD custom role and assign role-based access controls.
- B.** Create an Azure AD custom role and assign the role to the Azure Blob storage account.
- C.** Create an Azure Key Vault and issue a client certificate.
- D.** Create a user-assigned managed identity and assign role-based access controls.

E. Create a system-assigned managed identity and issue a client certificate.

Answer: ([SHOW ANSWER](#))

Explanation

To give a managed identity access to an Azure resource, you need to add a role to the target resource for that identity.

Note: To easily authenticate access to other resources that are protected by Azure Active Directory (Azure AD) without having to sign in and provide credentials or secrets, your logic app can use a managed identity (formerly known as Managed Service Identity or MSI). Azure manages this identity for you and helps secure your credentials because you don't have to provide or rotate secrets.

If you set up your logic app to use the system-assigned identity or a manually created, user-assigned identity, the function in your logic app can also use that same identity for authentication.

Reference:

<https://docs.microsoft.com/en-us/azure/logic-apps/create-managed-service-identity>

<https://docs.microsoft.com/en-us/azure/api-management/api-management-howto-mutual-certificates-for-clients>

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NEW QUESTION: 107

You develop a gateway solution for a public facing news API.

The news API back end is implemented as a RESTful service and hosted in an Azure App Service instance.

You need to configure back-end authentication for the API Management service instance.

Which target and gateway credential type should you use? To answer, drag the appropriate values to the correct parameters. Each value 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.

Answer:

Box 1: Azure Resource

Box 2: Client cert

API Management allows to secure access to the back-end service of an API using client certificates.

References:

<https://docs.microsoft.com/en-us/rest/api/apimanagement/apimanagementrest/azure-api-management-rest-api-ba>

NEW QUESTION: 108

You develop an app that allows users to upload photos and videos to Azure storage. The app uses a storage REST API call to upload the media to a blob storage account named Account1. You have blob storage containers named Container1 and Container2.

Uploading of videos occurs on an irregular basis.

You need to copy specific blobs from Container1 to Container2 in real time when specific requirements are met, excluding backup blob copies.

What should you do?

- A. Download the blob to a virtual machine and then upload the blob to Container2.
- B. Run the Azure PowerShell command Start-AzureStorageBlobCopy.
- C. Copy blobs to Container2 by using the Put Blob operation of the Blob Service REST API.
- D. Use AzCopy with the Snapshot switch blobs to Container2.

Answer: ([SHOW ANSWER](#))

Explanation

The Start-AzureStorageBlobCopy cmdlet starts to copy a blob.

Example 1: Copy a named blob

```
C:\PS>Start-AzureStorageBlobCopy -SrcBlob "ContosoPlanning2015" -DestContainer  
"ContosoArchives"  
-SrcContainer "ContosoUploads"
```

This command starts the copy operation of the blob named ContosoPlanning2015 from the container named ContosoUploads to the container named ContosoArchives.

References:

<https://docs.microsoft.com/en-us/powershell/module/azure.storage/start-azurstorageblobcopy?view=azurermps->

NEW QUESTION: 109

You need to configure Azure Service Bus to Event Grid integration.

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

NOTE: Each correct selection is worth one point.

Answer:

Box 1: Premium

Service Bus can now emit events to Event Grid when there are messages in a queue or a subscription when no receivers are present. You can create Event Grid subscriptions to your Service Bus namespaces, listen to these events, and then react to the events by starting a receiver. With this feature, you can use Service Bus in reactive programming models.

To enable the feature, you need the following items:

A Service Bus Premium namespace with at least one Service Bus queue or a Service Bus topic with at least one subscription.

Contributor access to the Service Bus namespace.

Box 2: Contributor

Reference:

<https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-to-event-grid-integration-concept>

NEW QUESTION: 110

You are developing a REST web service. Customers will access the service by using an Azure API Management instance.

The web service does not correctly handle conflicts. Instead of returning an HTTP status code of 409, the service returns a status code of 500. The body of the status message contains only the word conflict.

You need to ensure that conflicts produce the correct response.

How should you complete the policy? To answer, drag the appropriate code segments to the correct locations.

Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Answer:

Box 1: on-error

Policies in Azure API Management are divided into inbound, backend, outbound, and on-error.

If there is no on-error section, callers will receive 400 or 500 HTTP response messages if an error condition occurs.

Box 2: context

Box 3: context

Box 4: set-status

The return-response policy aborts pipeline execution and returns either a default or custom response to the caller. Default response is 200 OK with no body.

Custom response can be specified via a context variable or policy statements.

Syntax:

```
<return-response response-variable-name="existing context variable">
```

```
<set-header/>
```

```
<set-body/>
```

```
<set-status/>
```

```
</return-response>
```

Box 5: on-error

Reference:

<https://docs.microsoft.com/en-us/azure/api-management/api-management-error-handling-policies>

<https://docs.microsoft.com/en-us/azure/api-management/api-management-transformation-policies>

NEW QUESTION: 111

You need to monitor ContentUploadService according 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"`

Answer: ([SHOW ANSWER](#))

Explanation

Scenario: An alert must be raised if the ContentUploadService uses more than 80 percent of available CPU-cores Reference:

<https://docs.microsoft.com/sv-se/cli/azure/monitor/metrics/alert>

NEW QUESTION: 112

You need to retrieve all order line items from Order.json and sort the data alphabetically by the city.

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

NOTE: Each correct selection is worth one point.

Answer:

Graphical user interface Description automatically generated

Box 1: `orders o`

Scenario: Order data is stored as nonrelational JSON and must be queried using SQL.

Box 2: `li`

Box 3: `o.line_items`

Box 4: `o.city`

The city field is in Order, not in the 2s.

NEW QUESTION: 113

You are developing a SaaS application that stores data as key value pairs.

You must make multiple editions of the application available. In the lowest cost edition, the performance must be best-effort, and there is no regional failover.

In higher cost editions customers must be able to select guaranteed performance and support for multiple regions. Azure costs must be minimized.

Which Azure Cosmos DB API should you use for the application?

- A. Table API
- B. MongoDB
- C. Cassandra
- D. Core

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 114

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 the machine identifier as the partition key and enable capture.

Does the solution meet the goal?

A. Yes

B. No

Answer: ([SHOW ANSWER](#))

Reference:

<https://docs.microsoft.com/en-us/azure/event-grid/compare-messaging-services>

NEW QUESTION: 115

You are developing an application that uses a premium block blob storage account. You are optimizing costs by automating Azure Blob Storage access tiers.

You apply the following policy rules to the storage account. You must determine the implications of applying the rules to the data. (Line numbers are included for reference only.)

Answer:

NEW QUESTION: 116

You are a developer building a web site using a web app. The web site stores configuration data in Azure App Configuration. Access to Azure App Configuration has been configured to use the identity of the web app for authentication. Security requirements specify that no other authentication systems must be used.

You need to load configuration data from Azure App Configuration.

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

Answer:

Graphical user interface, text, application Description automatically generated

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