



Microsoft

Exam Questions AZ-204

Developing Solutions for Microsoft Azure (beta)

NEW QUESTION 1

- (Exam Topic 1)

You need to secure the Shipping Logic App. What should you use?

- A. Azure App Service Environment (ASE)
- B. Azure AD B2B integration
- C. Integration Service Environment (ISE)
- D. VNet service endpoint

Answer: C

Explanation:

Scenario: The Shipping Logic App requires secure resources to the corporate VNet and use dedicated storage resources with a fixed costing model.

You can access to Azure Virtual Network resources from Azure Logic Apps by using integration service environments (ISEs).

Sometimes, your logic apps and integration accounts need access to secured resources, such as virtual machines (VMs) and other systems or services, that are inside an Azure virtual network. To set up this access, you can create an integration service environment (ISE) where you can run your logic apps and create your integration accounts.

References:

<https://docs.microsoft.com/en-us/azure/logic-apps/connect-virtual-network-vnet-isolated-environment-overview>

NEW QUESTION 2

- (Exam Topic 1)

You need to migrate on-premises shipping data to Azure. What should you use?

- A. Azure Migrate
- B. Azure Cosmos DB Data Migration tool (dt.exe)
- C. AzCopy
- D. Azure Database Migration service

Answer: D

Explanation:

Migrate from on-premises or cloud implementations of MongoDB to Azure Cosmos DB with minimal downtime by using Azure Database Migration Service.

Perform resilient migrations of MongoDB data at scale and with high reliability.

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

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

<https://azure.microsoft.com/en-us/updates/mongodb-to-azure-cosmos-db-online-and-offline-migrations-are-now>

NEW QUESTION 3

- (Exam Topic 3)

You must ensure that the external party cannot access the data in the SSN column of the Person table.

Will each protection method meet the requirement? To answer, drag the appropriate responses to the correct protection methods. Each response 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.

Responses	Protection method	Response
<input type="checkbox"/> Yes	Enable AlwaysOn encryption.	<input type="checkbox"/>
<input type="checkbox"/> No	Set the column encryption setting to disabled.	<input type="checkbox"/>
	Assign users to the Public fixed database role.	<input type="checkbox"/>
	Store column encryption keys in the system catalog view in the database.	<input type="checkbox"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Yes

You can configure Always Encrypted for individual database columns containing your sensitive data. When setting up encryption for a column, you specify the information about the encryption algorithm and cryptographic keys used to protect the data in the column.

Box 2: No

Box 3: Yes

In SQL Database, the VIEW permissions are not granted by default to the public fixed database role. This enables certain existing, legacy tools (using older versions of DacFx) to work properly. Consequently, to work with encrypted columns (even if not decrypting them) a database administrator must explicitly grant the two VIEW permissions.

Box 4: No

All cryptographic keys are stored in an Azure Key Vault. References:

<https://docs.microsoft.com/en-us/sql/relational-databases/security/encryption/always-encrypted-database-engine>

NEW QUESTION 4

- (Exam Topic 3)

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 Area

Components	Action	Component
Helm	Deploy solution.	
Draft		
Brigade	View cluster and external IP addressing.	
KubeCtl		
Ingress Controller	Implement a single, public IP endpoint that is routed to multiple microservices.	
CoreDNS		
Virtual Kubelet		

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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 5

- (Exam Topic 3)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. 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: B

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 6

- (Exam Topic 3)

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.

Item	Value
Powershell command	<pre>Get-AzureRmRoleDefinition-Name "Reader" ConvertTo-Json Out-File C:\SupportRole.json Get-AzureRmRoleDefinition-Name "Operator" ConvertTo-Json Out-File C:\SupportRole.json Set-AzureRmRoleDefinition-Name "Reader" Input-File C:\SupportRole.json Set-AzureRmRoleDefinition Input-File C:\SupportRole.json</pre>
Actions section	<pre>"*/read*", "Microsoft.Support/*" "*/read*" "*/read*", "Microsoft.Support/*" "*/read*"</pre>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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 7

- (Exam Topic 3)

You are validating the configuration of an Azure Search indexer.

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

FIELD NAME	TYPE	RETRIEVABLE	FILTERABLE	SORTABLE	INDEXABLE	SEARCHABLE
PartitionKey	Edm.String	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
RowKey	Edm.String	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
InStockCount	Edm.Int32	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ItemDescription	Edm.DateTim...	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ItemName	Edm.String	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
LocationRow	Edm.Int32	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LocationShelf	Edm.Int32	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SKU	Edm.String	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

CategoryKey	RowKey	Timestamp	InStockCount	ItemDescription	ItemName	LocationRow	LocationShelf	SKU
Food	3	2018-08-25T15:47:29.135Z	32	A box of chocolate candy bars	Choco-bar	5	3	123421
Hardware	2	2018-08-25T15:46:08.405Z	2	A bag of bolts	Bolts	1	4	67894
Hardware	1	2018-08-25T15:46:41.402Z	23	A box of nails	Nails	2	1	654365



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

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

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Yes

The ItemDescription field in not searchable. Box 2: No

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

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

Box 4: No References:

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

NEW QUESTION 8

- (Exam Topic 3)

Your company is developing an Azure API.

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

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

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

Answer: C

Explanation:

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

Reference:

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

NEW QUESTION 9

- (Exam Topic 3)

You are developing an application that uses Azure Storage Queues. You have the following code:

```
CloudStorageAccount storageAccount = CloudStorageAccount.Parse
(CloudConfigurationManager.GetSetting("StorageConnectionString"));
CloudQueueClient queueClient = storageAccount.CreateCloudQueueClient()

CloudQueue queue = queueClient.GetQueueReference("appqueue") ;
await queue.CreateIfNotExistsAsync() ;

CloudQueueMessage peekedMessage = await queue.PeekMessageAsync() ;
if (peekedMessage != null)
{
    Console.WriteLine("The peeked message is: {0}", peekedMessage.AsString);
}
CloudQueueMessage message = await queue.GetMessageAsync() ;
```

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

Answer Area

Statement	Yes	No
The code configures the lock duration for the queue.	<input type="radio"/>	<input type="radio"/>
The last message read remains in the queue after the code runs.	<input type="radio"/>	<input type="radio"/>
The storage queue remains in the storage account after the code runs.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: No

The QueueDescription.LockDuration property gets or sets the duration of a peek lock; that is, the amount of time that the message is locked for other receivers. The maximum value for LockDuration is 5 minutes; the default value is 1 minute.

Box 2: Yes

You can peek at the message in the front of a queue without removing it from the queue by calling the PeekMessage method.

Box 3: Yes Reference:

<https://docs.microsoft.com/en-us/azure/storage/queues/storage-dotnet-how-to-use-queues> <https://docs.microsoft.com/en-us/dotnet/api/microsoft.servicebus.messaging.queuedescription.lockduration>

NEW QUESTION 10

- (Exam Topic 3)

A company is developing a solution that allows smart refrigerators to send temperature information to a central location. You have an existing Service Bus. The solution must receive and store messages until they can be processed. You create an Azure Service Bus instance by providing a name, pricing tier, subscription, resource group, and location.

You need to complete the configuration.

Which Azure CLI or PowerShell command should you run?

- A. `az servicebus namespace create`
`- -resource-group fridge-rg`
`- -name fridge-ns`
`- -location fridge-loc`
- B. `az servicebus queue create`
`--resource-group fridge-rg`
`--namespace-name fridge-ns`
`--name fridge-q`
- C. `connectionString=$(az servicebus namespace authorization-rule keys list`
`--resource-group fridge-rg`
`--fridge-ns fridge-ns`
`--name RootManageSharedAccessKey`
`--query primaryConnectionString --output tsv)`
- D. `az group create`
`--name fridge-rg`
`--location fridge-log`

- A. Option A
 B. Option B
 C. Option C
 D. Option D

Answer: B

Explanation:

A service bus instance has already been created (Step 2 below). Next is step 3, Create a Service Bus queue. Note:

Steps:

Step 1: # Create a resource group resourceGroupName="myResourceGroup"

`az group create --name $resourceGroupName --location eastus`

Step 2: # Create a Service Bus messaging namespace with a unique name namespaceName=myNameSpace\$RANDOM

`az servicebus namespace create --resource-group $resourceGroupName --name $namespaceName --location eastus`

Step 3: # Create a Service Bus queue

`az servicebus queue create --resource-group $resourceGroupName --namespace-name $namespaceName`

`--name BasicQueue`

Step 4: # Get the connection string for the namespace

`connectionString=$(az servicebus namespace authorization-rule keys list --resource-group`

`$resourceGroupName --namespace-name $namespaceName --name RootManageSharedAccessKey --query primaryConnectionString --output tsv)`

References:

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

NEW QUESTION 10

- (Exam Topic 3)

You are implementing a software as a service (SaaS) ASP.NET Core web service that will run as an Azure Web App. The web service will use an on-premises SQL Server database for storage. The web service also includes a WebJob that processes data updates. Four customers will use the web service.

- Each instance of the WebJob processes data for a single customer and must run as a singleton instance.
- Each deployment must be tested by using deployment slots prior to serving production data.
- Azure costs must be minimized.
- Azure resources must be located in an isolated network.

You need to configure the App Service plan for the Web App.

How should you configure the App Service plan? To answer, select the appropriate settings in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

App service plan setting	Value
Number of VM instances	<div style="border: 1px solid black; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="padding: 2px;"> <p>2</p> <p>4</p> <p>8</p> <p>16</p> </div> </div>
Pricing tier	<div style="border: 1px solid black; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="padding: 2px;"> <p>Isolated</p> <p>Standard</p> <p>Premium</p> <p>Consumption</p> </div> </div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Number of VM instances: 4

You are not charged extra for deployment slots. Pricing tier: Isolated

The App Service Environment (ASE) is a powerful feature offering of the Azure App Service that gives network isolation and improved scale capabilities. It is essentially a deployment of the Azure App Service into a subnet of a customer's Azure Virtual Network (VNet).

References:

<https://azure.microsoft.com/sv-se/blog/announcing-app-service-isolated-more-power-scale-and-ease-of-use/>

NEW QUESTION 13

- (Exam Topic 3)

You are creating an app that uses Event Grid to connect with other services. Your app's event data will be sent to a serverless function that checks compliance. This function is maintained by your company.

You write a new event subscription at the scope of your resource. The event must be invalidated after 3 specific period of time. You need to configure Event Grid to ensure security.

What should you implement? To answer, select the appropriate options in [he answer area. NOTE: Each correct selection is worth one point

Authentication	Type
WebHook event delivery	<div style="border: 1px solid black; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="padding: 2px;"> <p>SAS tokens</p> <p>Key authentication</p> <p>JWT token</p> </div> </div>
Topic publishing	<div style="border: 1px solid black; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="padding: 2px;"> <p>ValidationCode handshake</p> <p>ValidationURL handshake</p> <p>Management Access Control</p> </div> </div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: SAS tokens

Custom topics use either Shared Access Signature (SAS) or key authentication. Microsoft recommends SAS, but key authentication provides simple programming, and is compatible with many existing webhook publishers.

In this case we need the expiration time provided by SAS tokens. Box 2: ValidationCode handshake

Event Grid supports two ways of validating the subscription: ValidationCode handshake (programmatic) and ValidationURL handshake (manual).

If you control the source code for your endpoint, this method is recommended.

NEW QUESTION 16

- (Exam Topic 3)

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: C

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 19

- (Exam Topic 3)

You are developing a mobile instant messaging app for a company. The mobile app must meet the following requirements:

- Support offline data sync.
- Update the latest messages during normal sync cycles. You need to implement Offline Data Sync.

Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. Retrieve records from Offline Data Sync on every call to the `PullAsync` method.
- B. Retrieve records from Offline Data Sync using an Incremental Sync.
- C. Push records to Offline Data Sync using an Incremental Sync.
- D. Return the `updatedAt` column from the Mobile Service Backend and implement sorting by using the column.
- E. Return the `updatedAt` column from the Mobile Service Backend and implement sorting by the message id.

Answer: BE

Explanation:

B: Incremental Sync: the first parameter to the pull operation is a query name that is used only on the client. If you use a non-null query name, the Azure Mobile SDK performs an incremental sync. Each time a pull operation returns a set of results, the latest `updatedAt` timestamp from that result set is stored in the SDK local system tables. Subsequent pull operations retrieve only records after that timestamp.

E (not D): To use incremental sync, your server must return meaningful `updatedAt` values and must also support sorting by this field. However, since the SDK adds its own sort on the `updatedAt` field, you cannot use a pull query that has its own `orderBy` clause.

References:

<https://docs.microsoft.com/en-us/azure/app-service-mobile/app-service-mobile-offline-data-sync>

NEW QUESTION 23

- (Exam Topic 3)

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

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

You are developing a website that will run as an Azure Web App. Users will authenticate by using their Azure Active Directory (Azure AD) credentials.

You plan to assign users one of the following permission levels for the website: admin, normal, and reader. A user's Azure AD group membership must be used to determine the permission level. You need to configure authorization.

Solution:

- Create a new Azure AD application's manifest, set value of the `groupMembershipClaims` option to All.
- In the website, use the value of the `groups claim` from the JWT for the user to determine permissions. Does the solution meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

To configure Manifest to include Group Claims in Auth Token

* 1. Go to Azure Active Directory to configure the Manifest. Click on Azure Active Directory, and go to App registrations to find your application:

* 2. Click on your application (or search for it if you have a lot of apps) and edit the Manifest by clicking on it.

* 3. Locate the "groupMembershipClaims" setting. Set its value to either "SecurityGroup" or "All". To help you decide which:

"SecurityGroup" - groups claim will contain the identifiers of all security groups of which the user is a member.

"All" - groups claim will contain the identifiers of all security groups and all distribution lists of which the user is a member

Now your application will include group claims in your manifest and you can use this fact in your code. References:

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

NEW QUESTION 24

- (Exam Topic 3)

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

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

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

Answer: A

Explanation:

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

References:

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

NEW QUESTION 27

- (Exam Topic 3)

You are building a traffic monitoring system that monitors traffic along six highways. The system produces time series analysis-based reports for each highway.

Data from traffic sensors are stored in Azure Event Hub.

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

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

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

NOTE: Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: 6

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

Box 2: Highway References:

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

NEW QUESTION 29

- (Exam Topic 3)

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

Answer: C

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 31

- (Exam Topic 3)

You are preparing to deploy an application to an Azure Kubernetes Service (AKS) cluster. The application must only be available from within the VNet that includes the cluster. You need to deploy the application.

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

Code segments

Ingress

Service

LoadBalancer

Deployment

ingress.class

azure-load-balancer-internal

Answer Area

```
apiVersion: v1
kind: Code segment
metadata:
  name: web-app
  annotations:
    service.beta.kubernetes.Code segment : "true"
spec:
  type: Code segment
  ports:
  - port: 80
  selector:
    app: web-app
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

To create an internal load balancer, create a service manifest named internal-lb.yaml with the service type LoadBalancer and the azure-load-balancer-internal annotation as shown in the following example:

YAML:

```
apiVersion: v1 kind: Service metadata:
name: internal-app annotations:
service.beta.kubernetes.io/azure-load-balancer-internal: "true" spec:
type: LoadBalancer ports:
- port: 80 selector:
app: internal-app
```

References:

<https://docs.microsoft.com/en-us/azure/aks/internal-lb>

NEW QUESTION 34

- (Exam Topic 3)

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.

```
[SerializePropertyNameAsCamelCase]
public class Restaurant
{
    [Key, IsFilterable]
    public int RestaurantId { get; set; }
    [IsSearchable, IsFilterable, IsSortable]
    public string Name { get; set; }
    [IsSearchable.IsFilterable.IsSortable, IsFacetable]
    [IsFilterable.IsFacetable, Required]
    [IsSearchable]
    [IsSearchable, Required]
    public string location { get; set; }
    public string Phone { get; set; }
    [Required]
    [IsSearchable]
    [IsFilterable, IsFacetable, Required]
    [IsFilterable, IsFacetable, IsSortable]
    public string Description { get; set; }
    [IsFilterable, IsSortable, IsSearchable]
    [IsFilterable, IsSortable, IsFacetable]
    [IsFilterable, IsSortable, Key]
    [IsFilterable, IsSortable, IsSearchable, Required]
    public double Rating { get; set; }
    [IsSearchable, IsFilterable, IsFacetable]
    [IsFilterable, IsSortable, Key]
    [IsFilterable, IsSortable, IsSearchable]
    [IsFilterable, IsSortable, Key, Required]
    public List<string> Cuisines { get; set; }
    [IsFilterable, IsSortable, Key, Required]
    [IsSearchable, IsSortable, IsFacetable]
    [IsFilterable, IsSortable, Key, IsSearchable]
    [IsFilterable, IsFacetable]
    public bool FamilyFriendly { get; set; }
}
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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 37

- (Exam Topic 3)

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.

```
void ClearCachedTeams()
{
    IDatabase cache = Connection.GetDatabase();
    ICache cache = Connection.GetDatabase();

    cache.KeyDelete("teams");
    cache.StringSet("teams", "");
    cache.ValueDelete("teams");
    cache.StringGet("teams", "");
    ViewBag.nsg += "Team data removed from cache.";
}
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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 39

- (Exam Topic 3)

You plan to create a Docker image that runs as ASP.NET Core application named ContosoApp. You have a setup script named setupScript.ps1 and a series of application files including ContosoApp.dll.

You need to create a Dockerfile document that meets the following requirements:

- Call setupScript.ps1 when the container is built.
- Run ContosoApp.dll when the container starts.

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

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

Commands

Answer Area

- RUN powershell ./setupScript.ps1
CMD ["dotnet", "ContosoApp.dll"]
- EXPOSE ./ContosoApp/ /apps/ContosoApp
- COPY /.
- FROM microsoft/aspnetcore:2.0
- WORKDIR /app/ContosoApp
- CMD powershell ./setupScript.ps1
ENTRYPOINT ["dotnet", "ContosoApp.dll"]

Navigation arrows: Left arrow, Right arrow, Up arrow, Down arrow.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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 ./ContosoApp/ /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 43

- (Exam Topic 3)

You are working for Contoso, Ltd.

You define an API Policy object by using the following XML markup:

```
<set-variable name= "bodySize" value="@ (context.Request.Headers["Content-Length"] [0])"/>
<choose>
  <when condition= "@ (int.Parse(context.Variables.GetValueOrDefault<string> ("bodySize"))<512000)">
</when>
<otherwise>
  <rewrite-uri template= "/put"/>
  <set-backend-service base-url= "http://contoso.com/api/9.1"/>
</otherwise>
</choose>
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Answer Area

Statement	Yes	No
The XML segment belongs in the <inbound> section of the policy.	<input type="radio"/>	<input type="radio"/>
If the body size is >256k, an error will occur.	<input type="radio"/>	<input type="radio"/>
If the request is http://contoso.com/api/9.2/, the policy will retain the higher version.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Yes

Use the set-backend-service policy to redirect an incoming request to a different backend than the one specified in the API settings for that operation. Syntax: <set-backend-service base-url="base URL of the backend service" />

Box 2: No

The condition is on 512k, not on 256k. Box 3: No

The set-backend-service policy changes the backend service base URL of the incoming request to the one specified in the policy.

Reference:

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

NEW QUESTION 48

- (Exam Topic 3)

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:

Property	Description
ShipLocation	the country/region where the order will be shipped
CorrelationId	a priority value for the order
Quantity	a user-defined field that stores the quantity of items in an order
AuditedAt	a user-defined field that records the date an order is audited

The system has the following requirements for subscriptions

Subscription type	Comments
FutureOrders	This subscription is reserved for future use and must not receive any orders.
HighPriorityOrders	Handle all high priority orders and International orders.
InternationalOrders	Handle orders where the country/region is not United States.
HighQuantityOrders	Handle only orders with quantities greater than 100 units.
AllOrders	This subscription is used for auditing purposes. This subscription must receive every single order. AllOrders has an Action defined that updates the AuditedAt property to include the date and time it was received by the subscription.

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.

Filter types

SQLFilter

CorrelationFilter

No Filter

Answer Area

Subscription

Filter type

FutureOrders

HighPriorityOrders

InternationalOrders

HighQuantityOrders

AllOrders

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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 50

- (Exam Topic 3)

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.

Services	Scenario	Service
Logic Apps	Process a queue data item.	<input type="text"/>
WebJobs		<input type="text"/>
Flow	Manage all code segments from the same DevOps environment.	<input type="text"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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 54

- (Exam Topic 3)

You are deploying an Azure Kubernetes Services (AKS) cluster that will use multiple containers.

You need to create the cluster and verify that the services for the containers are configured correctly and available.

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

Command segments	Answer Area
<input type="text" value="az aks get-credentials"/>	
<input type="text" value="az appservice plan create"/>	<input type="text"/>
<input type="text" value="az aks create"/>	<input type="text"/>
<input type="text" value="az group create"/>	<input type="text"/>
<input type="text" value="kubectl apply"/>	<input type="text"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: az group create

Create a resource group with the az group create command. An Azure resource group is a logical group in which Azure resources are deployed and managed.

Example: The following example creates a resource group named myAKSCluster in the eastus location. az group create --name myAKSCluster --location eastus

Step 2 : az aks create

Use the az aks create command to create an AKS cluster. Step 3: kubectl apply

To deploy your application, use the kubectl apply command. This command parses the manifest file and creates the defined Kubernetes objects.

Step 4: az aks get-credentials

Configure it with the credentials for the new AKS cluster. Example:

az aks get-credentials --name aks-cluster --resource-group aks-resource-group References:

<https://docs.bitnami.com/azure/get-started-aks/>

NEW QUESTION 59

- (Exam Topic 3)

You are developing an internal website for employees to view sensitive data. The website uses Azure Active Directory (AAD) for authentication. You need to implement multifactor authentication for the website.

What should you do? Each correct answer presents part of the solution. NOTE; Each correct selection is worth one point.

- A. In Azure AD, create a new conditional access policy.
- B. In Azure AD, enable application proxy.
- C. Configure the website to use Azure AD B2C.
- D. In Azure AD conditional access, enable the baseline policy.

E. Upgrade to Azure AD Premium.

Answer: AE

Explanation:

References:

<https://docs.microsoft.com/en-us/azure/active-directory/authentication/howto-mfa-getstarted>

NEW QUESTION 60

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