

Exam Questions AZ-203

Developing Solutions for Microsoft Azure

<https://www.2passeasy.com/dumps/AZ-203/>



NEW QUESTION 1

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.

- A. Mastered
- B. Not Mastered

Answer: A

NEW QUESTION 2

Create a DataSource instance and set its Container property to the DataContainer.

- A. Mastered
- B. Not Mastered

Answer: A

NEW QUESTION 3

Set the DataSource property of the SearchServiceClient Does the solution meet the goal?

- A. Yes
- B. No

Answer: D

Explanation:

2. 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.

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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 DocumentsIndex method of the SearchIndexClient and pass the IndexBatch.

Does the solution meet the goal?

- A. Yes
- B. No

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.

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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

4. 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.GeneratePilterCondition("LastName", QueryComparisons.Equal, "Smith")
- B. TableQuery.GeneratefilterCondition("PartitionKey", QueryComparisons. Equal, "Smith")
- C. TableQue.GenerateFilterCondition("PartitionKey", Equals, "Smith")
- D. TableQuery. GenerateFilterCondition("LastName", Equals, "Smith")

NEW QUESTION 4

DRAG DROP

You are developing a solution for a hospital to support the following use cases:

- The most recent patient status details must be retrieved even if multiple users in different locations have updated the patient record
- Patient health monitoring data retrieved must be the current version or the prior version.
- After a patient is discharged and all charges have been assessed, the patient billing record contains the final charges.

You provision a Cosmos D6 NoSQL database and set the default consistency level for the database account to Strong. You set the value for Indexing Mode to Consistent

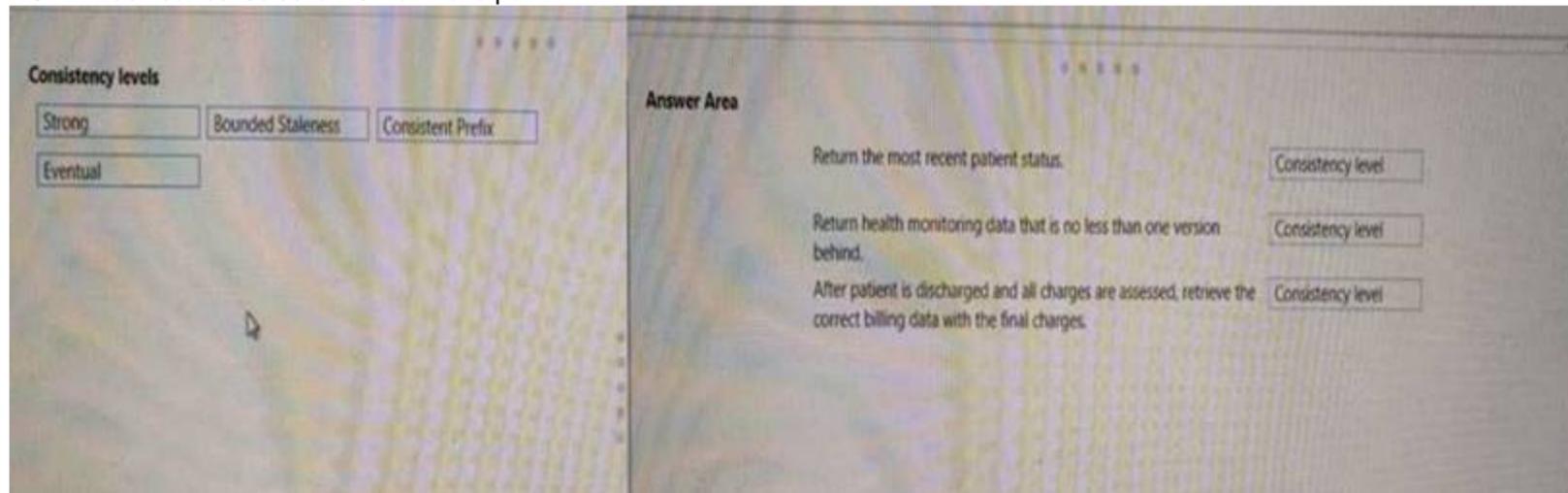
You must minimize latency and any impact to the availability of the solution. You must override the default consistency level at the query level to meet the required

consistency guarantees for the scenarios.

You need to configure the consistency levels to support each scenario.

Which consistency levels should you implement? To answer, drag the appropriate consistency levels to the correct requirements. Each consistency level 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.

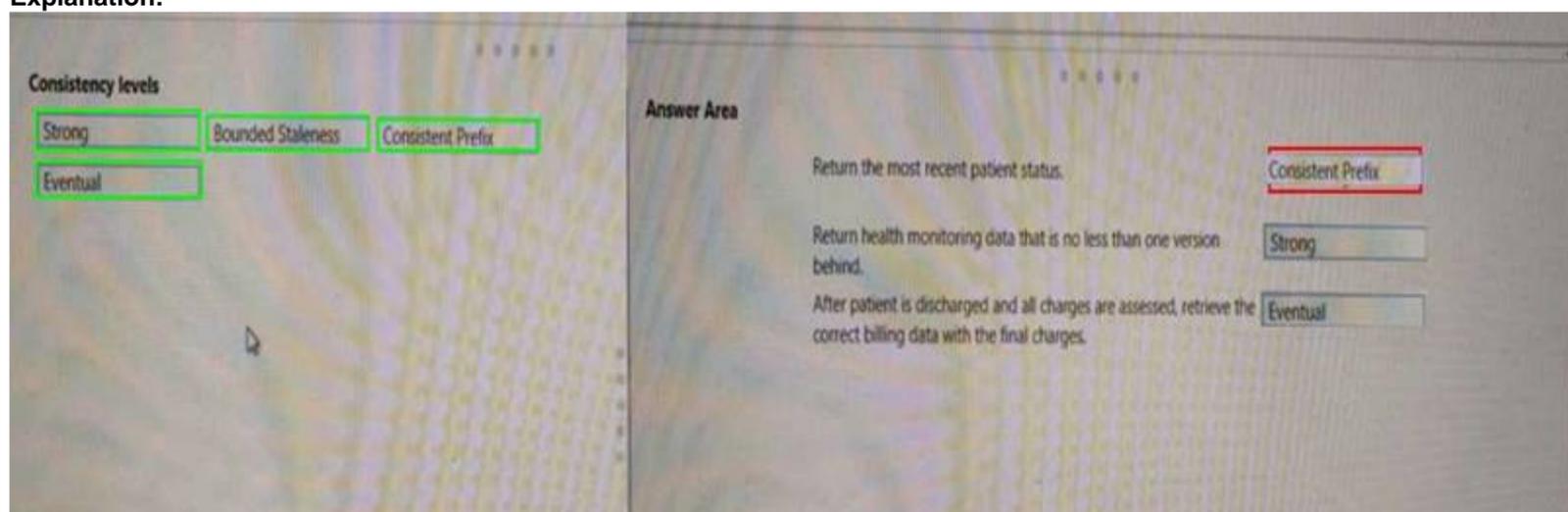
NOTE: Each correct selection is worth one point.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 5

HOTSPOT

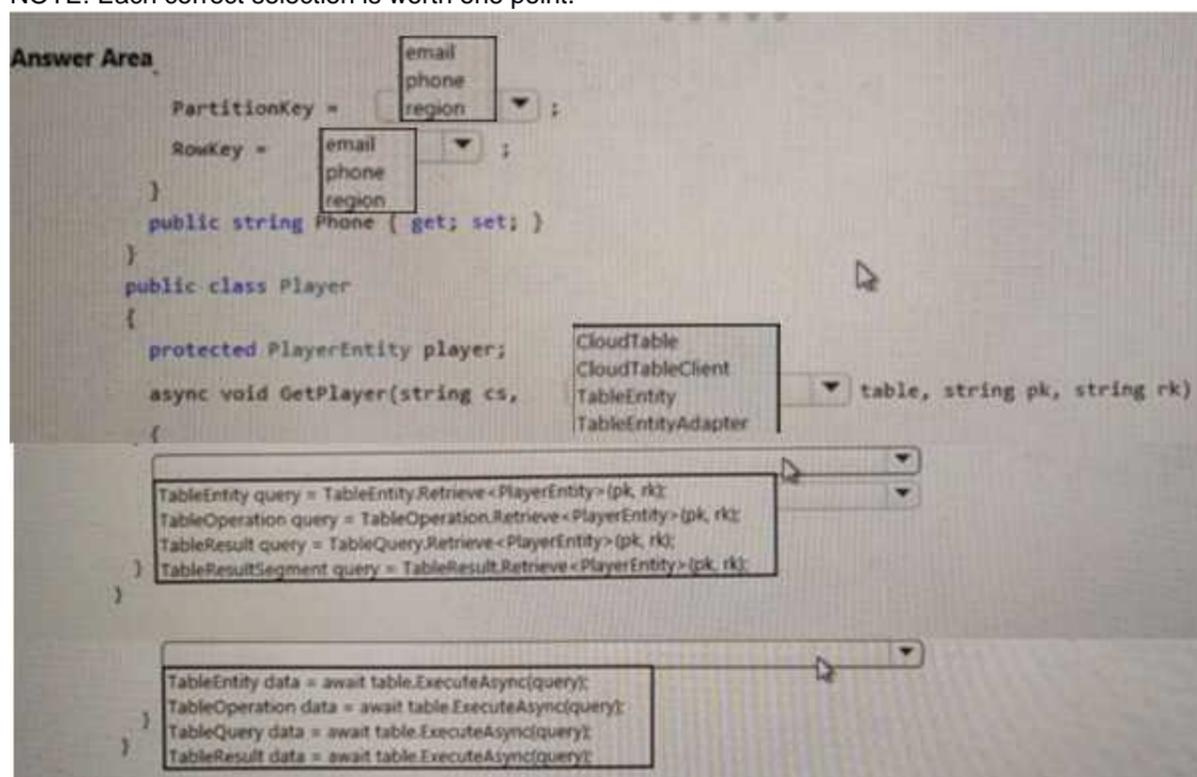
You are developing an app that manages users for a video game. You plan to store the region, email address, and phone number for the player. Some players may not have a phone number. The player's region will be used to load-balance data.

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.

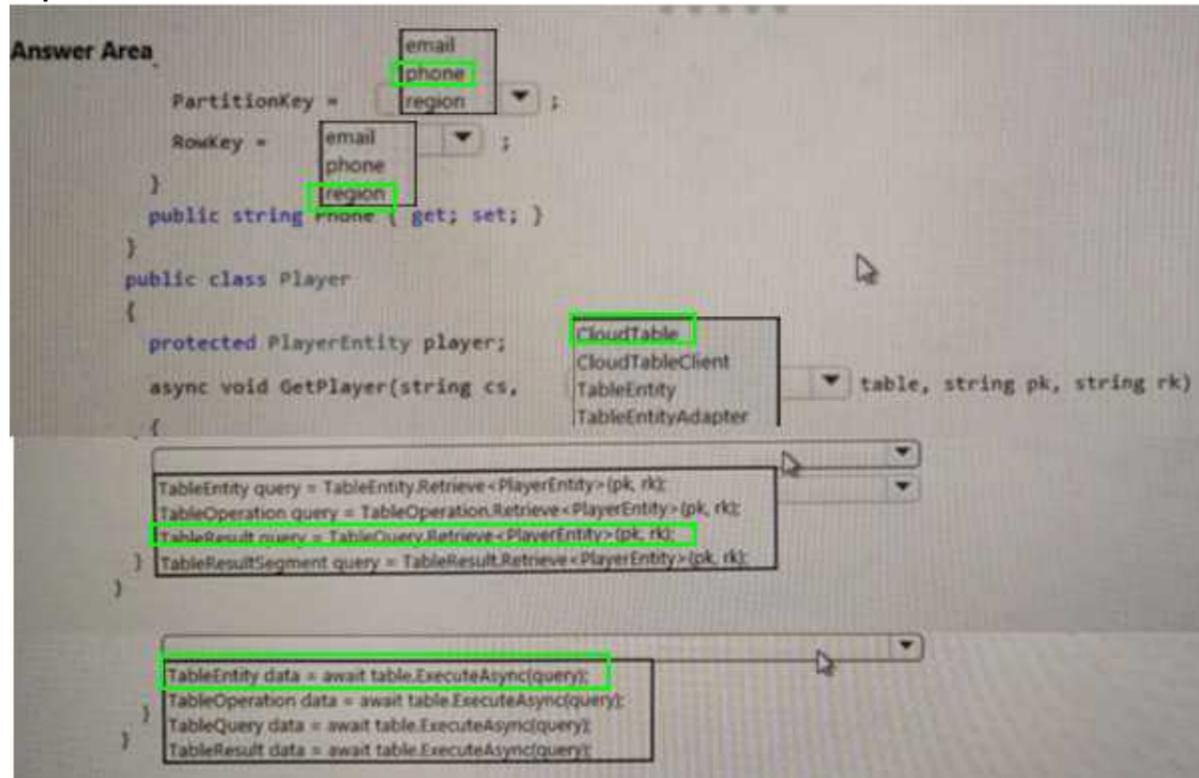


- A. Mastered

B. Not Mastered

Answer: A

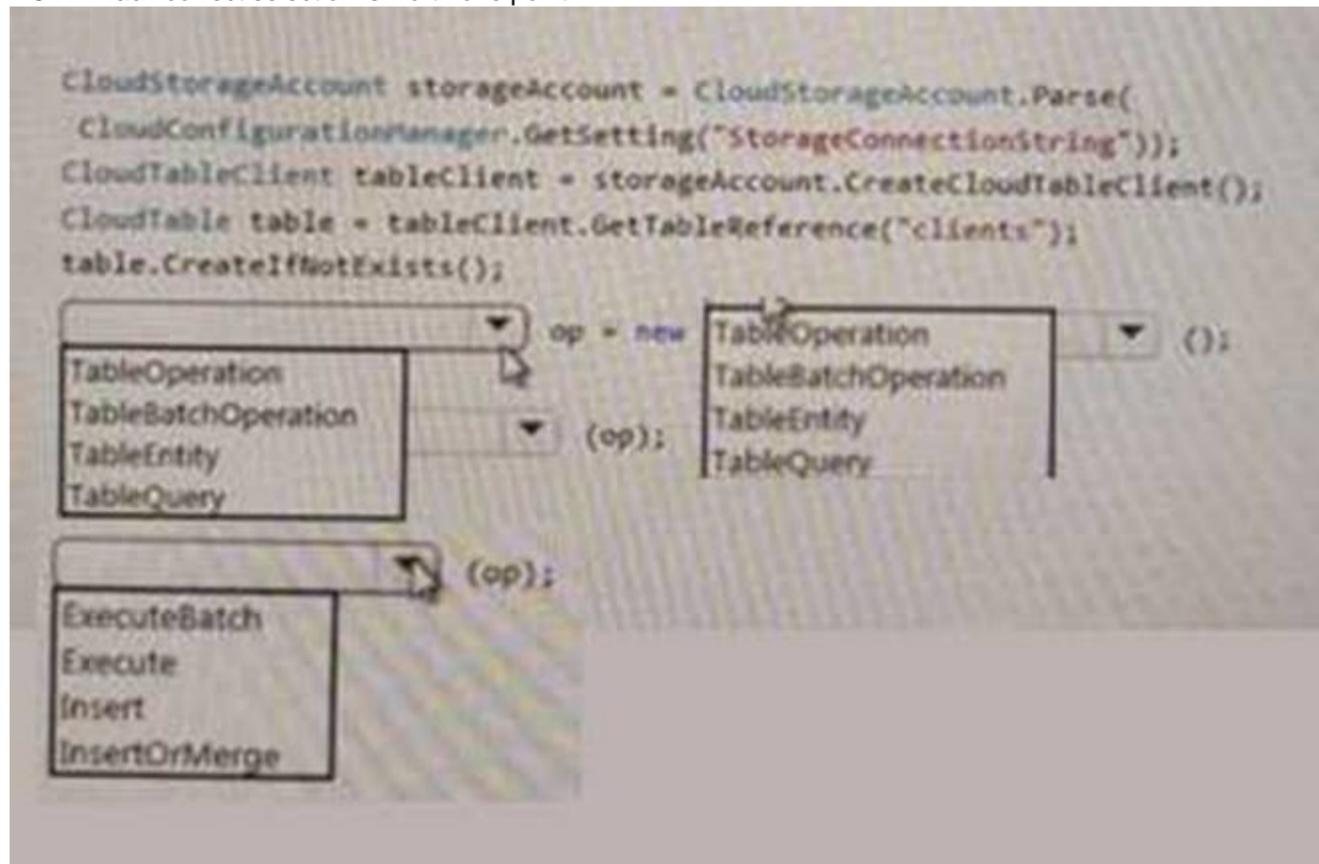
Explanation:



NEW QUESTION 6

HOTSPOT

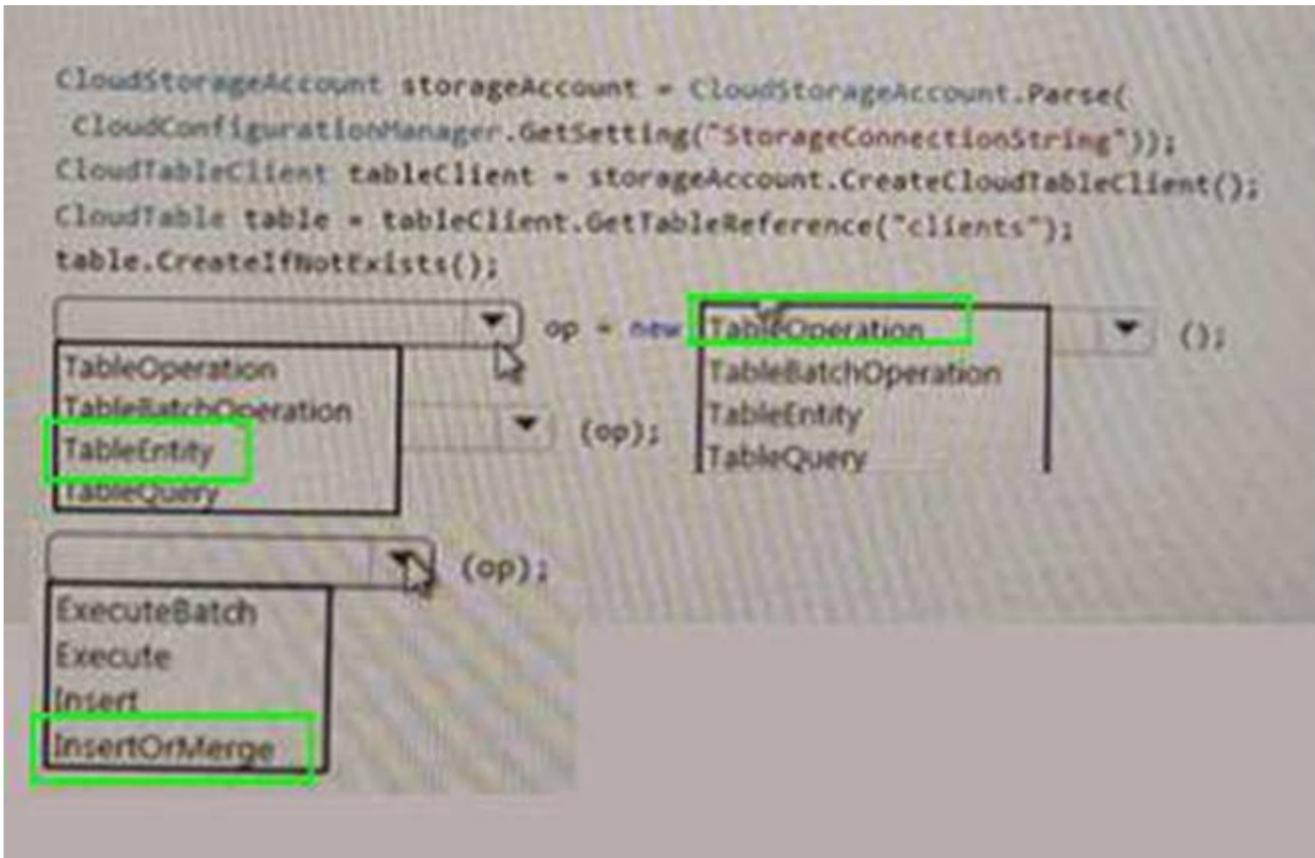
You are developing a data storage solution for a social networking app. The solution requires a mobile app that stores user information using Azure Table Storage. You need to develop code that can insert multiple sets of user information. How should you complete the code? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.



A. Mastered
 B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 7

DRAG DROP

You develop a web app that uses the tier D1 app service plan by using the Web Apps feature of Microsoft Azure App Service.

Spikes in traffic have caused increases in page load times.

You need to ensure that the web app automatically scales when CPU load is about 85 percent and minimize costs.

Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions	Answer Area
Enable autoscaling on the web app.	
Configure a Scale condition.	
Configure the web app to the Standard App Service tier. ⊖	⊕
Configure the web app to the Premium App Service tier. ⊕	⊖
Switch to an Azure App Services consumption plan.	
Add a Scale rule.	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: Configure the web app to the Standard App Service Tier
 The Standard tier supports auto-scaling, and we should minimize the cost. Step 2: Enable autoscaling on the web app
 First enable autoscale Step 3: Add a scale rule
 Step 4: Add a Scale condition References:
<https://docs.microsoft.com/en-us/azure/monitoring-and-diagnostics/monitoring-autoscale-get-started>
<https://azure.microsoft.com/en-us/pricing/details/app-service/plans/>

NEW QUESTION 8

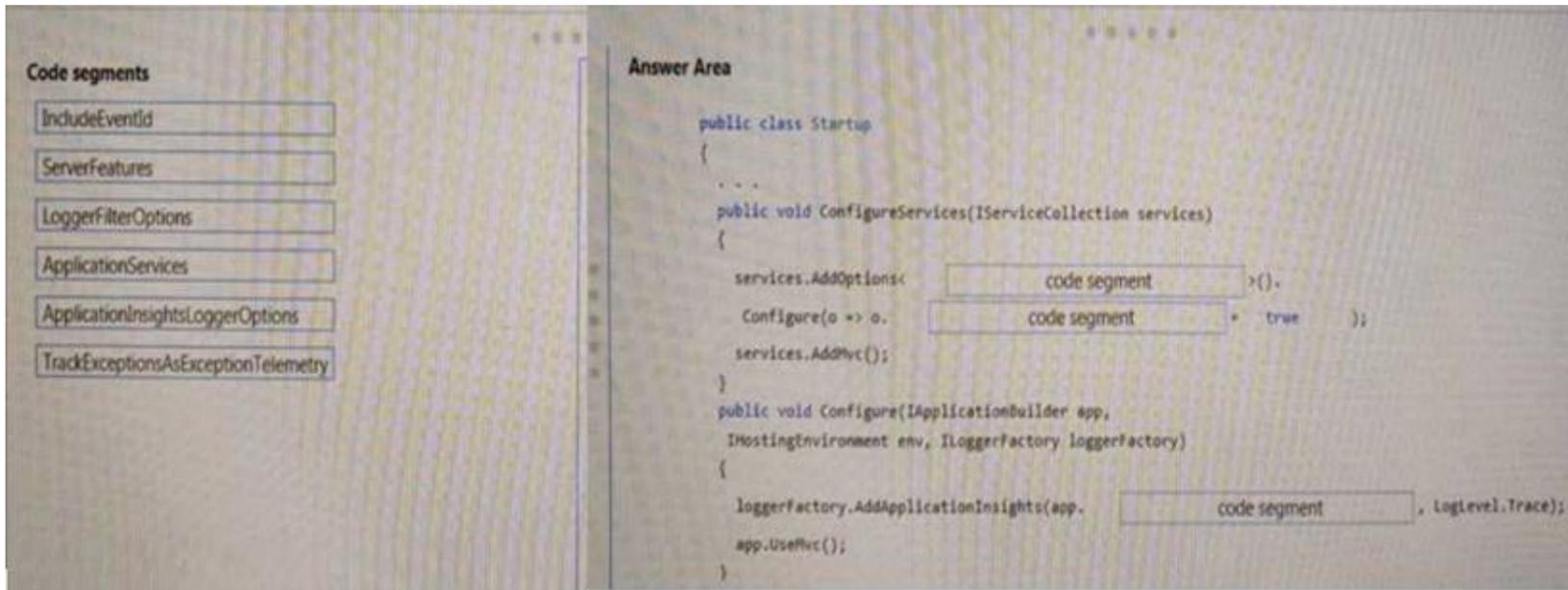
DRAG DROP

You are developing an ASP.NET Core Web API web service that uses Azure Application Insights to monitor performance and trade events

You need to enable logging and ensure that log messages can be correlated to events tracked by Application Insights.

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.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

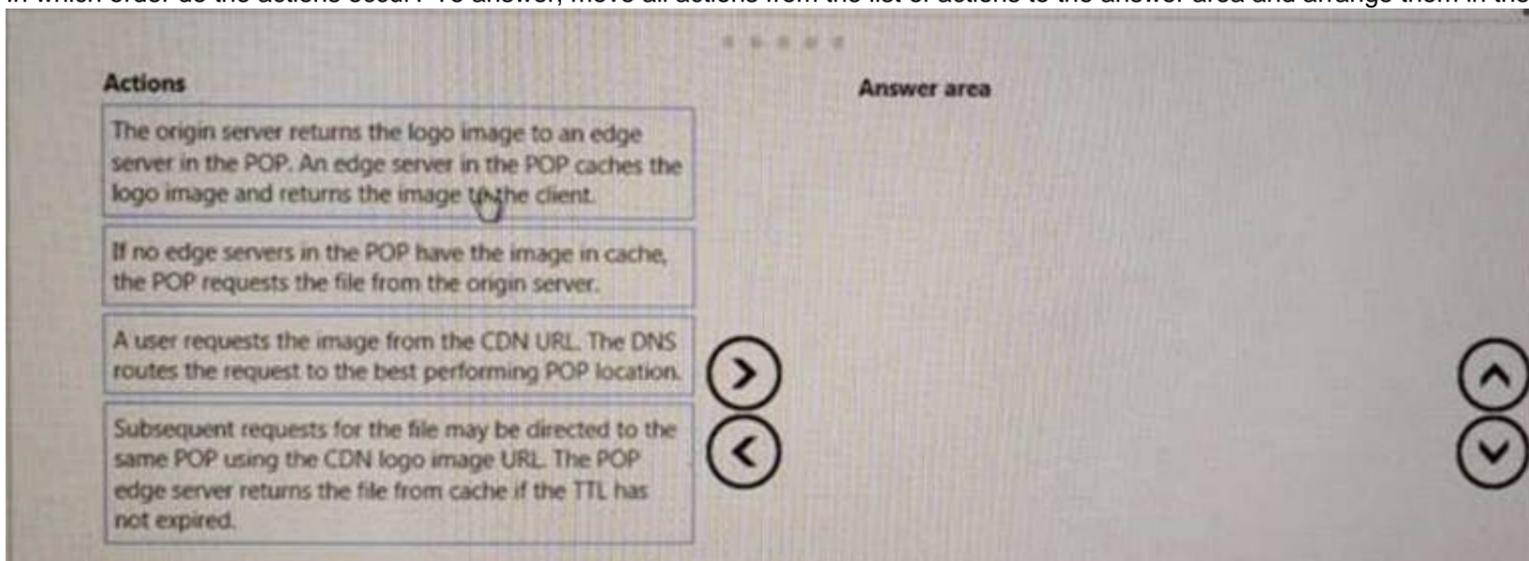


NEW QUESTION 9

DRAG DROP

Your company has several websites that use a company logo image. You use Azure Content Delivery Network (CDN) to store the static image. You need to determine the correct process of how the CDN and the Point of Presence (POP) server will distribute the image and list the items in the correct order.

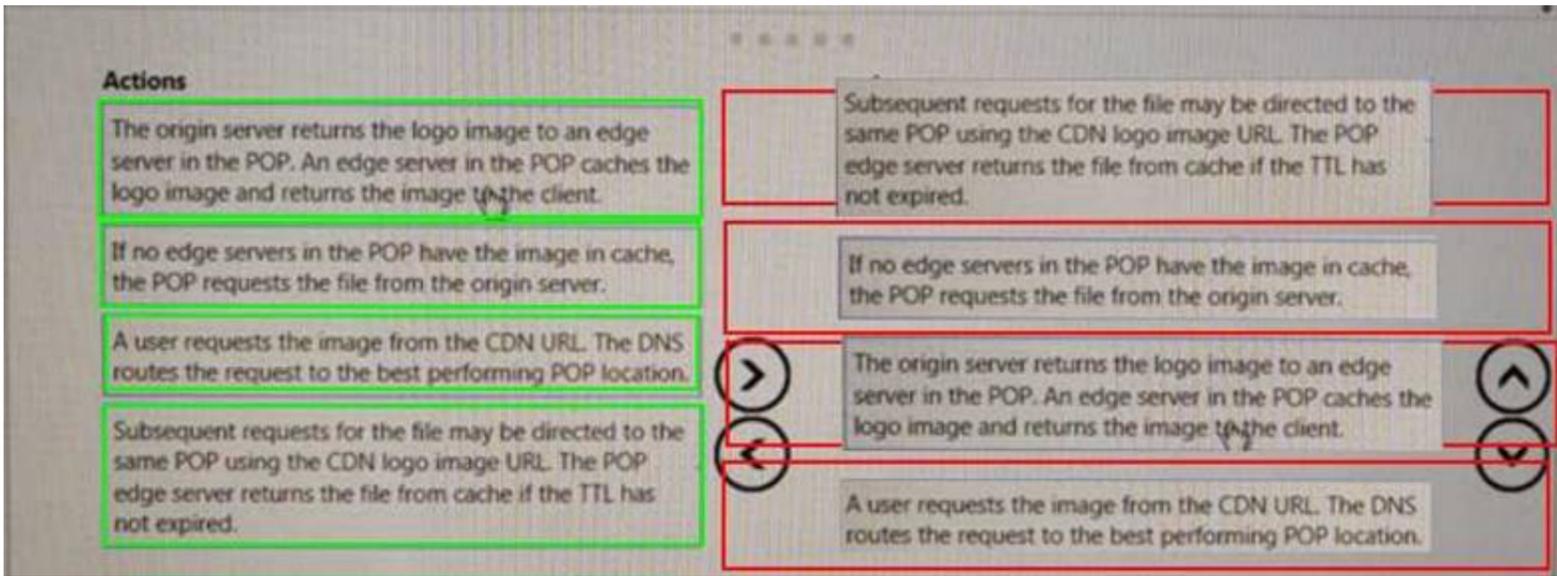
In which order do the actions occur? To answer, move all actions from the list of actions to the answer area and arrange them in the correct order.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 10

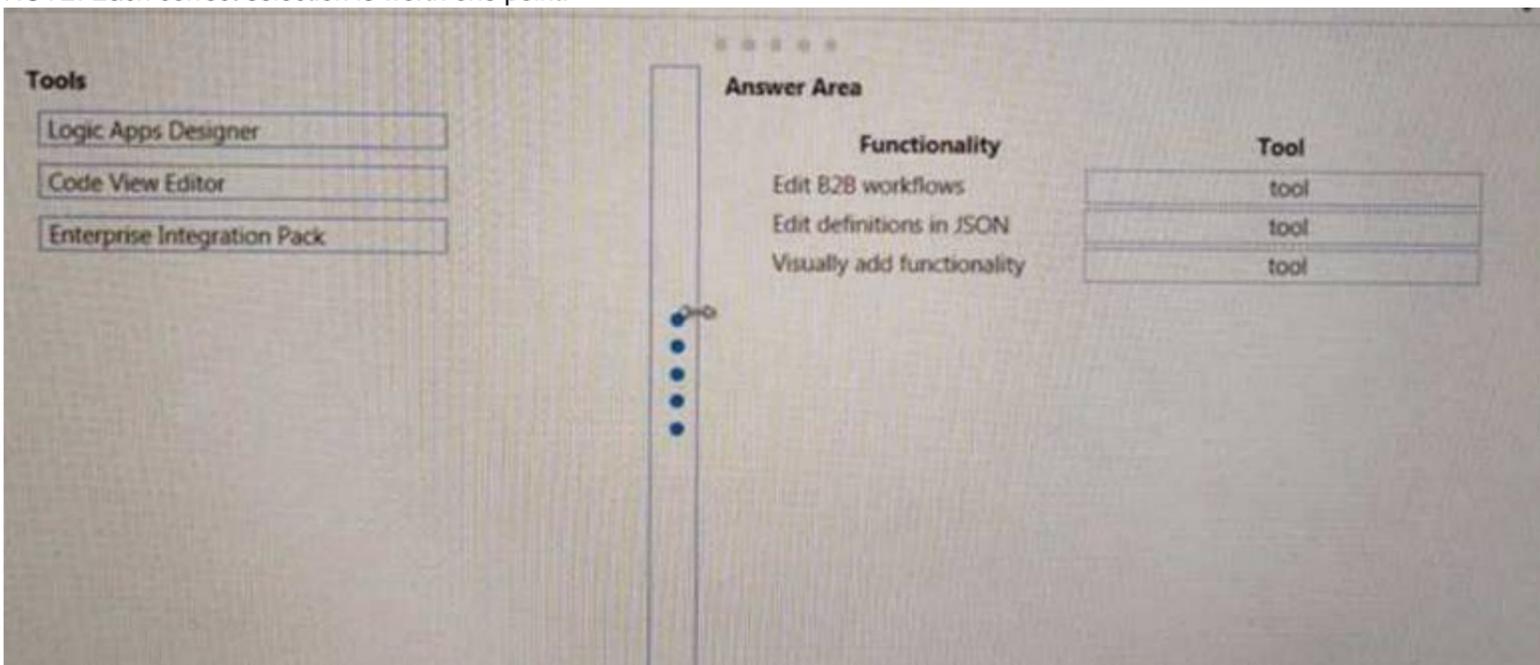
DRAG DROP

You manage several existing Logic Apps.

You need to change definitions, add new logic and optimize these apps on a regular basis.

What should you use? To answer, drag the appropriate tools to the coned functionalities. Each tool 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.

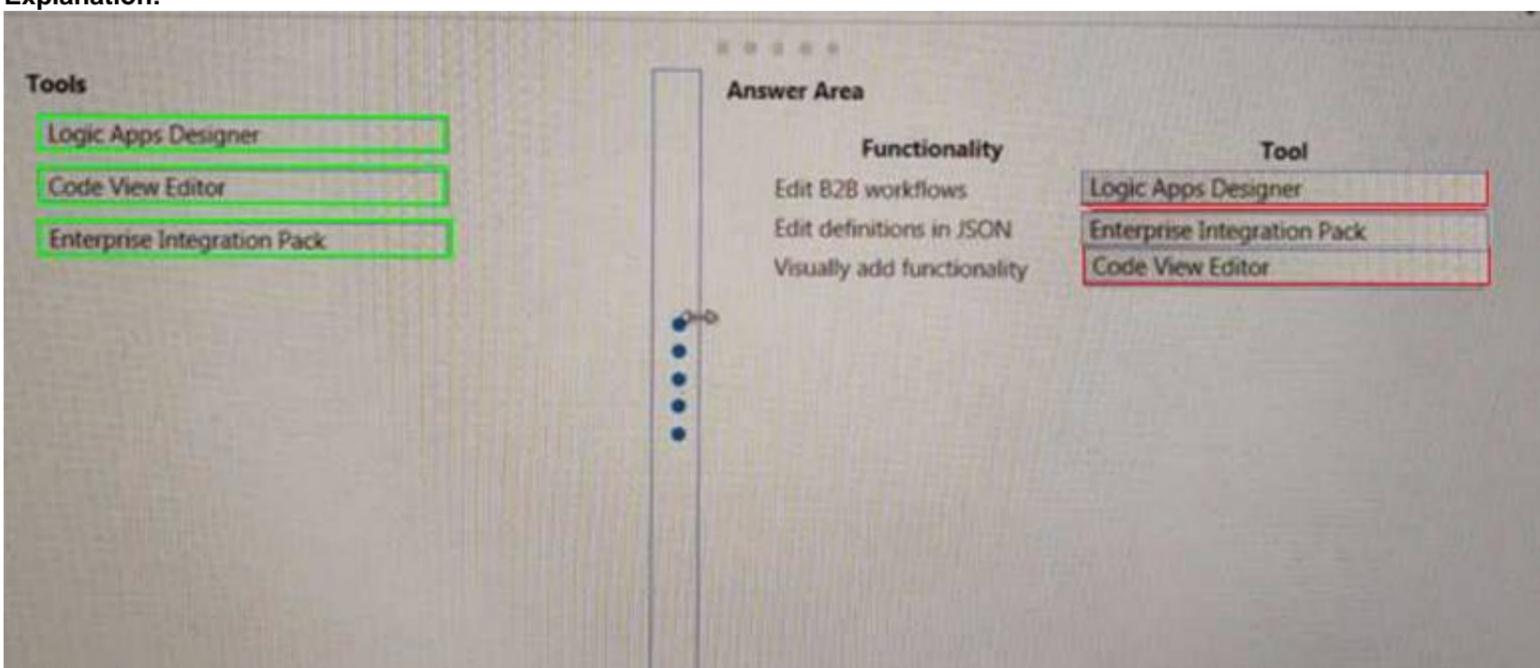
NOTE: Each correct selection is worth one point.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 10

HOTSPOT

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 the answer area.

NOTE: Each correct selection is worth one point

Authentication	Type
WebHook event delivery	<div style="border: 1px solid black; padding: 5px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="border: 1px solid black; 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: 5px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="border: 1px solid black; 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. Incorrect Answers:

ValidationURL handshake (manual): In certain cases, you can't access the source code of the endpoint to implement the ValidationCode handshake. For example, if you use a third-party service (like Zapier or IFTTT), you can't programmatically respond with the validation code.

References:

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

NEW QUESTION 15

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
```

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

Answer: D

NEW QUESTION 16

DRAG DROP

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	<input type="text"/>
HighPriorityOrders	<input type="text"/>
InternationalOrders	<input type="text"/>
HighQuantityOrders	<input type="text"/>
AllOrders	<input type="text"/>

- 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 19

HOTSPOT

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

Variable name	Value
\$gitrepo	https://github.com/Contos/webapp
\$webappname	Webapp1103

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.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 20

You must implement Application Insights instrumentation capabilities utilizing the Azure Mobile Apps SDK to provide meaningful analysis of user interactions with a mobile app.

You need to capture the data required to implement the Usage Analytics feature of Application Insights. Which three data values should you capture? Each correct answer presents part of the solution

NOTE: Each correct selection is worth one point.

- A. Session Id
- B. Events
- C. User Id
- D. Exception
- E. Trace

Answer: ABC

NEW QUESTION 21

You need to meet the LabelMaker security requirement. What should you do?

- A. Create a conditional access policy and assign it to the Azure Kubernetes Service cluster
- B. Place the Azure Active Directory account into an Azure AD group

- C. Create a ClusterRoleBinding and assign it to the group.
- D. Create a Microsoft Azure Active Directory service principal and assign it to the Azure Kubernetes Service (AKS) cluster.
- E. Create a RoleBinding and assign it to the Azure AD account.

Answer: D

NEW QUESTION 22

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: C

NEW QUESTION 26

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.AddRuleAsync(new RuleDescription(RuleDescription.DefaultRuleName, new TrueFilter()));
- B. subscriptionClient.RegisterMessageHandler(ProcessMessagesAsync, BiessageHandlerOptions);
- C. subscriptionClient « new SubscriptionClient(ServiceBusConnectionString, TopicName, SubscriptionName);
- D. await subscriptionClient.CloseAsync();

Answer: D

NEW QUESTION 28

HOTSPOT

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/"</pre>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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/"</pre>

Case Study: 1
 Coho Winery
 Overview

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 Next 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. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.

LabelMaker app

Coho Winery produces, bottles, and distributes a variety of wines globally. You are a developer implementing highly scalable and resilient applications to support online order processing by using Azure solutions.

Coho Winery has a LabelMaker application that prints labels for wine bottles. The application sends data to several printers. The application consists of five modules that run independently on virtual machines (VMs). Coho Winery plans to move the application to Azure and continue to support label creation.

External partners send data to the LabelMaker application to include artwork and text for custom label designs.

Requirements

Data

You identify the following requirements for data management and manipulation:

- Order data is stored as nonrelational JSON and must be queried using Structured Query Language (SQL).
- Changes to the Order data must reflect immediately across all partitions. All reads to the Order data must fetch the most recent writes.

Security

You have the following security requirements:

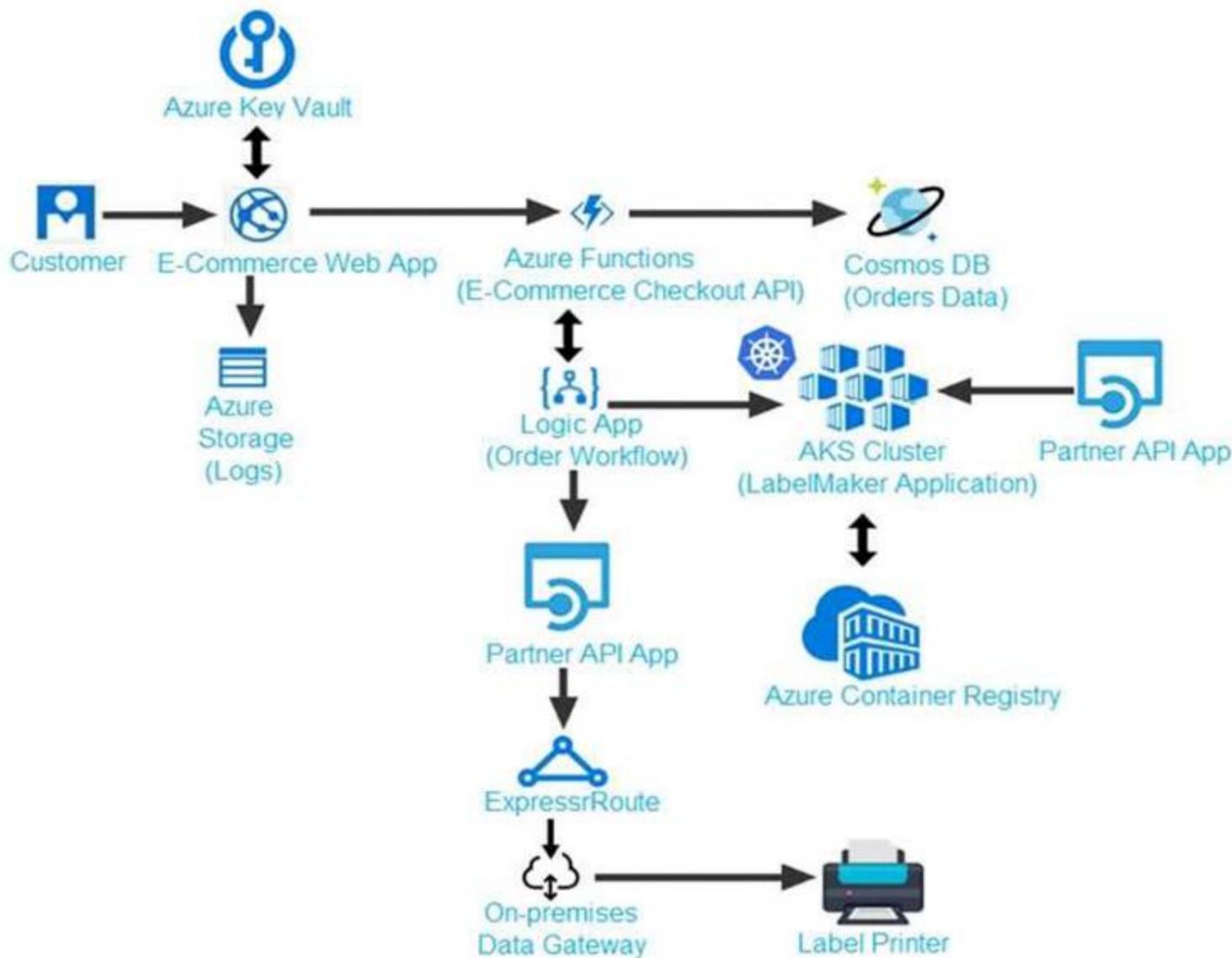
- Users of Coho Winery applications must be able to provide access to documents, resources, and applications to external partners.
- External partners must use their own credentials and authenticate with their organization's identity management solution.
- External partner logins must be audited monthly for application use by a user account administrator to maintain company compliance.
- Storage of e-commerce application settings must be maintained in Azure Key Vault.
- E-commerce application sign-ins must be secured by using Azure App Service authentication and Azure Active Directory (AAD).
- Conditional access policies must be applied at the application level to protect company content.
- The LabelMaker application must be secured by using an AAD account that has full access to all namespaces of the Azure Kubernetes Service (AKS) cluster.

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.

Architecture



Issues

Calls to the Printer API App fall periodically due to printer communication timeouts. Printer communication timeouts occur after 10 seconds. The label printer must only receive up to 5 attempts within one minute

The order workflow fails to run upon initial deployment to Azure.

Order.Json

Relevant portions of the app files are shown below. Line numbers are included for reference only. The JSON file contains a representation of the data for an order that includes a single item.

```
01 {
02   "id" : 1,
03   "customers" : [
04     {
05       "familyName" : "Doe",
06       "givenName" : "John",
07       "customerid" : 5
08     }
09   ],
10   "line_items" : [
11     {
12       "fulfillable_quantity" : 1,
13       "id" : 6,
14       "price" : "199.99",
15       "product_id" : 7513594,
16       "quantity": 1,
17       "requires_shipping" : true,
18       "sku" : "SFC-342-N" ,
19       "title" : "Surface Go",
20       "vendor" : "Microsoft" ,
21       "name" : "Surface Go - 8GB",
22       "taxable" : true,
```

```
23  "tax_lines" : [  
24  {  
25    "title" : "State Tax",  
26    "price" : "3.98",  
27    "rate" : 0.06  
28  }  
29 ],  
30  "total_discount" : "5.00"  
31  "discount_allocations" : [  
32  {  
33    "amount" : "5.00",  
34    "discount_application_index" : 2  
35  }  
36  ]  
37  }  
38 ],  
39  "address" : {  
40    "state" : "NY",  
41    "country" : "Manhattan",  
42    "city" : "NY"  
43  }  
44  }
```

NEW QUESTION 30**HOTSPOT**

You need to retrieve all order line items sorted 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 Area

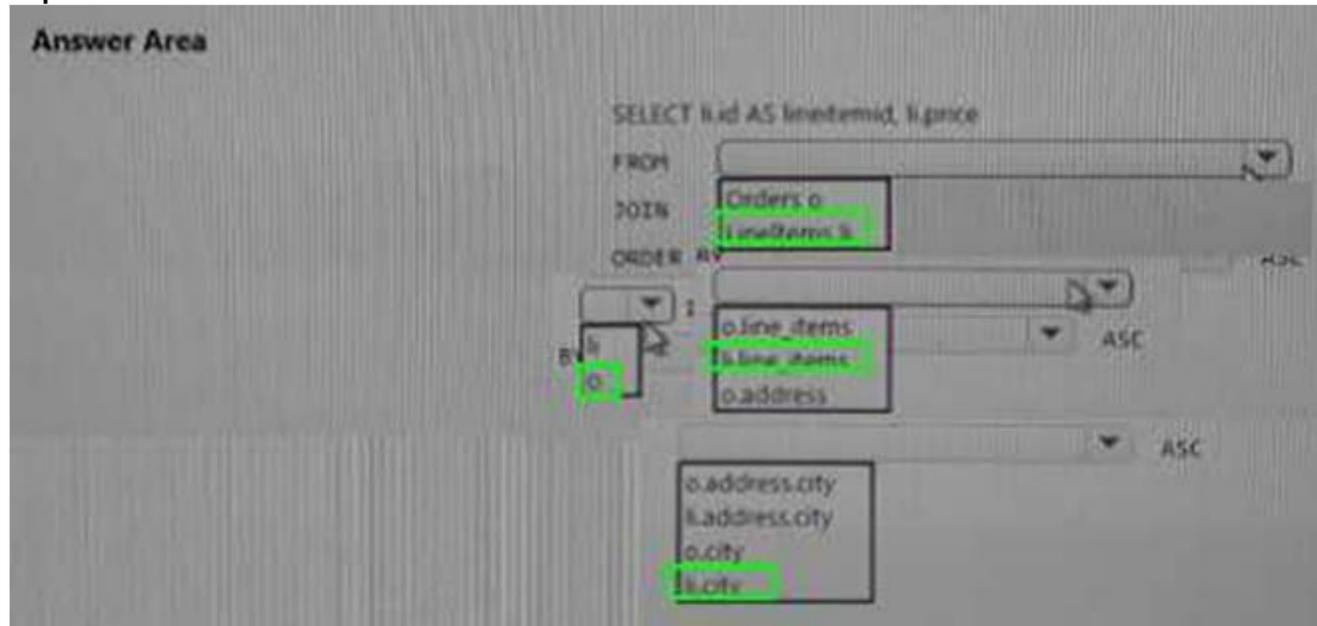
```
SELECT l.id AS lineitemid, l.price  
FROM [ ]  
JOIN [Orders o  
LineItems l]  
ORDER BY [ ]  
BY [ ]  
[ ] ASC  
[ ] ASC  
[ ] ASC
```

The image shows a SQL query editor interface. The query is partially completed. The FROM clause has a dropdown menu open showing 'Orders o' and 'LineItems l'. The JOIN clause is also partially completed. The ORDER BY clause has a dropdown menu open showing 'o.line_items', 'l.line_items', and 'o.address'. The BY clause has a dropdown menu open showing 'o.address.city', 'l.address.city', 'o.city', and 'l.city'. There are also 'ASC' sorting options visible.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 35

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 need to meet the LabelMaket application Solution; Create a conditional access policy and assign it to the Azure Kubernetes service cluster. Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Scenario: The LabelMaker applications must be secured by using an AAD account that has full access to all namespaces of the Azure Kubernetes Service (AKS) cluster.

Before an Azure Active Directory account can be used with the AKS cluster, a role binding or cluster role binding needs to be created.

References:

<https://docs.microsoft.com/en-us/azure/aks/aad-integration>

NEW QUESTION 40

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 need to meet the LabelMaker application security requirement.

Solution: Create a Microsoft Azure Active Directory service principal and assign it to the Azure Kubernetes Service (AKS) cluster.

Does the solution meet the goal?

- A. Yes
- B. No

Answer: A

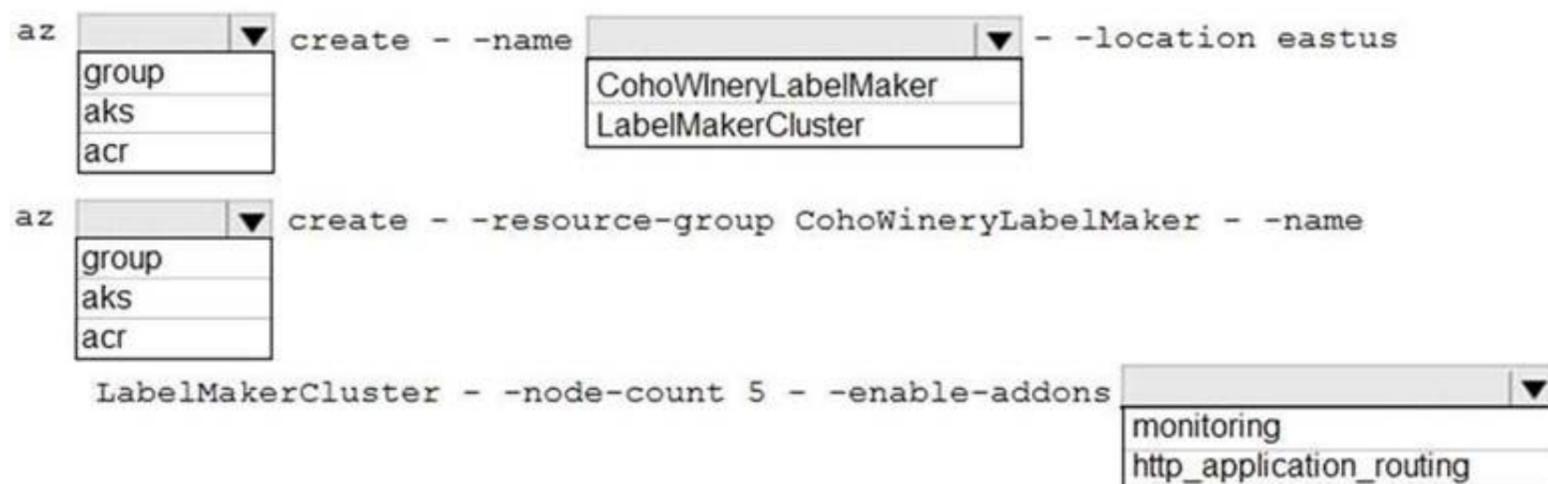
NEW QUESTION 45

HOTSPOT

You need to ensure that you can deploy the LabelMaker application.

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

NOTE: Each correct selection is worth one point.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: group

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. The following example creates a resource group named myResourceGroup in the westeurope location.

az group create --name myResourceGroup --location westeurope Box 2: CohoWinterLabelMaker

Use the resource group named, which is used in the second command. Box 3: aks

The command az aks create, is used to create a new managed Kubernetes cluster. Box 4: monitoring

Scenario: 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.

NEW QUESTION 50

You need to troubleshoot the order workflow.

What should you do? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Review the run history.
- B. Review the trigger history.
- C. Review the API connections.
- D. Review the activity log.

Answer: BD

Explanation:

Scenario: The order workflow fails to run upon initial deployment to Azure. Deployment errors arise from conditions that occur during the deployment process. They appear in the activity log.

References:

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-audit>

NEW QUESTION 55

You need to access user claims in the e-commerce web app* What should you do first?

- A. Update the e-commerce web app to read the HTTP request header values.
- B. Assign the Contributor RBAC role to the e-commerce web app by using the Resource Manager create role assignment API.
- C. Write custom code to make a Microsoft Graph API call from the e-commerce web app.
- D. Using the Azure CU enable Cross-origin resource sharing (CORS) from the e-commerce checkout API to the e-commerce web app

Answer: C

NEW QUESTION 56

HOTSPOT

You need to meet the security requirements for external partners. Which Azure Active Directory features should you use?

To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

Requirement	Option
Authentication	B2C B2B Self-service signup Organizational Units (OU)
Login Auditing	Access review Risky sign-ins report Identity Protection Privileged Identity Management

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Requirement	Option
Authentication	B2C
Login Auditing	B2B
	Self-service signup
	Organizational Units (OU)
Login Auditing	Access review
	Risky sign-ins report
	Identity Protection
	Privileged Identity Management

NEW QUESTION 61

HOTSPOT

You need to ensure that security requirements are met.

What value should be used for the ConnectionString field on line DB03 in the Database class? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

```
"Data Source=datastore.database.windows.net;Initial Catalog=expense;
```

Integrated Security = SSPI	;
Trusted_Connection = False	
Network Library = DBNLSOCN	
MultipleActiveResultSets = True	
Encrypt = True	;"
Integrated Security = True	
Failover Partner = False	
Named Pipes = True	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Integrated Security=SSPI

Integrated security: For all data source types, connect using the current user account.

For SqlConnection you can use Integrated Security=true; or Integrated Security=SSPI; Scenario: All access to Azure Storage and Azure SQL database must use the application's Managed Service Identity (MSI)

Box 2: Encrypt = True

Scenario: All data must be protected in transit. References:

<https://docs.microsoft.com/en-us/dotnet/framework/data/adonet/connection-string-syntax>

NEW QUESTION 63

HOTSPOT

You need to configure retries in the LoadUserDetails function in the Database class without impacting user experience.

What code should you insert on line DB07?

To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

var policy=

- Policy
- RetryPolicy
- RetryOptions
- ReconnectRetryPolicy

.Handle<Exception>()

```
.Retry(3);
.CircuitBreaker(3, TimeSpan.FromMilliseconds(100));
.WaitAndRetryAsync(3, i => TimeSpan.FromMilliseconds(100));
.WaitAndRetryAsync(3,i => TimeSpan.FromMilliseconds(100 * Math.Pow(2,i-1)));
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Policy

RetryPolicy retry = Policy

.Handle<HttpRequestException>()

.Retry(3);

The above example will create a retry policy which will retry up to three times if an action fails with an exception handled by the Policy.

Box 2: WaitAndRetryAsync(3,i => TimeSpan.FromMilliseconds(100 * Math.Pow(2,i- 1)));

A common retry strategy is exponential backoff: this allows for retries to be made initially quickly, but then at progressively longer intervals, to avoid hitting a subsystem with repeated frequent calls if the subsystem may be struggling.

Example: Policy

.Handle<SomeExceptionType>()

.WaitAndRetry(3, retryAttempt => TimeSpan.FromSeconds(Math.Pow(2, retryAttempt))

);

References:

<https://github.com/App-vNext/Polly/wiki/Retry>

NEW QUESTION 65

You need to resolve the log capacity issue. What should you do?

- A. Implement Application Insights Sampling.
- B. Change the minimum log level in the host.json file for the function.
- C. Create an Application Insights Telemetry Filter.
- D. Set a LogCategoryFilter during startup.

Answer: A

NEW QUESTION 67

DRAG DROP

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.

Values

- true
- false
- SingleTransferContext
- DirectoryTransferContext
- ShouldTransferCallbackAsync
- ShouldOverwriteCallbackAsync

Answer Area

```
var copyOptions = new CopyOptions { };
var context = new Value (source, destinati
context: Value (source, destination) => Task.From
await TransferManager.CopyAsync(blob, GetDRBlob(blob), isServiceCopy:
, context: context, options:copyOptions);copyOptions, context);
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Values

- true
- false
- SingleTransferContext
- DirectoryTransferContext
- ShouldTransferCallbackAsync
- ShouldOverwriteCallbackAsync

Answer Area

```
var copyOptions = new CopyOptions { };
var context = new true (source, destination)
context.SingleTransferContext (source, destination) => Task.From
await TransferManager.CopyAsync(blob, GetDRBlob(blob), isServiceCopy:
, context: context, options:copyOptions);copyOptions, context);
```

NEW QUESTION 68

DRAG DROP

You need to add code at line PC32 in Processing.es 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.

Code segments

- MSITokenProvider(". . .", null)
- tp.GetAccessTokenAsync(". . .")
- AzureServiceTokenProvider()
- StringTokenProvider("storage", "msi")
- tp.GetAuthenticationHeaderAsync(CancellationTokens.None)

Answer Area

```
var tp = new code segment
var t = new TokenCredential(await
return new StorageCredential(t);
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Code segments

- MSITokenProvider(". . .", null)
- tp.GetAccessTokenAsync(". . .")
- AzureServiceTokenProvider()
- StringTokenProvider("storage", "msi")
- tp.GetAuthenticationHeaderAsync(CancellationTokens.None)

Answer Area

```
var tp = new AzureServiceTokenProvider()
var t = new TokenCredential(new StringTokenProvider("storage",
return new StorageCredential(t);
```

NEW QUESTION 70

You need to ensure the security policies are met. What code do you add at line CS07?

- A. -PermissionsToKeys wrapkey, unwrapkey, get
- B. -PermissionsToKeys create, encrypt, decrypt
- C. -PermissionsToCertificates wrapkey, unwrapkey, get
- D. -PermissionsToCertificates create, encrypt, decrypt

Answer: D

Explanation:

Case Study: 3

Proseware, Inc

Background

You are a developer for Proseware, Inc. You are developing an application that applies a set of governance policies for Proseware's internal services, external services, and applications. The application will also provide a shared library for common functionality.

Requirements Policy service

You develop and deploy a stateful ASP.NET Core 2.1 web application named Policy service to an Azure App Service Web App. The application reacts to events from Azure Event Grid and performs policy actions based on those events.

The application must include the Event Grid Event ID field in all Application Insights telemetry.

Policy service must use Application Insights to automatically scale with the number of policy actions that it is performing.

Policies Log policy

All Azure App Service Web Apps must write logs to Azure Blob storage. All log files should be saved to a container named logdrop. Logs must remain in the

container for 15 days.

Authentication events

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.

Policylib

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

Other

Anomaly detection service

You have an anomaly detection service that analyzes log information for anomalies. It is implemented as an Azure as a web service.

If an anomaly is detected, an Azure Function that emails administrators is called by using an HTTP WebHook.

Health monitoring

All web applications and services have health monitoring at the /health service endpoint.

Issues Policy loss

When you deploy Policy service, policies may not be applied if they were in the process of being applied during the deployment.

Performance issue

When under heavy load, the anomaly detection service undergoes slowdowns and rejects connections.

Notification latency

Users report that anomaly detection emails can sometimes arrive several minutes after an anomaly is detected.

App code EventGridController.cs

Relevant portions of the app files are shown below. Line numbers are included for reference only and include a two-character prefix that denotes the specific file to which they belong.

```

EventGridController.cs
EG01 public class EventGridController : Controller
EG02 {
EG03     public static AsyncLocal<string> eventId = new AsyncLocal<string>();
EG04     public IActionResult Process([FromBody] string eventsJson)
EG05     {
EG06         var events = JObject.Parse(eventsJson);
EG07
EG08         foreach (var @event in events)
EG09         {
EG10             eventId.Value = @event["id"].ToString();
EG11             if (@event["topic"].ToString().Contains("providers/Microsoft.Storage"))
EG12             {
EG13                 SendToAnomalyDetectionService(@event["data"]["url"].ToString());
EG14             }
EG15
EG16             {
EG17                 EnsureLogging(@event["subject"].ToString());
EG18             }
EG19         }
EG20         return null;
EG21     }
EG22     private void EnsureLogging(string resource)
EG23     {
EG24         . . .
EG25     }
EG26     private async Task SendToAnomalyDetectionService(string uri)
EG27     {
EG28         var content = GetLogData(uri);
EG29         var scoreRequest = new
EG30         {
EG31             Inputs = new Dictionary<string, List<Dictionary<string, string>>>()
EG32             {
EG33                 {
EG34                     "input1",

```

```

EG35         new List<Dictionary<string, string>>()
EG36         {
EG37             new Dictionary<string, string>()
EG38             {
EG39                 {
EG40                     "logcontent", content
EG41                 }
EG42             }
EG43         },
EG44     },
EG45     },
EG46     GlobalParameters = new Dictionary<string, string>() { }
EG47 };
EG48 var result = await (new HttpClient()).PostAsJsonAsync(".", scoreRequest);
EG49 var rawModelResult = await result.Content.ReadAsStringAsync();
EG50 var modelResult = JObject.Parse(rawModelResult);
EG51 if (modelResult["notify"].HasValues)
EG52 {
EG53     . . .
EG54 }
EG55 }
EG56 private (string name, string resourceGroup) ParseResourceId(string
resourceId)
EG57 {
EG58     . . .
EG59 }
EG60 private string GetLogData(string uri)
EG61 {
EG62     . . .
EG63 }
EG64 static string BlobStoreAccountSAS(string containerName)
EG65 {
EG66     . . .
EG67 }
EG68 }

```

LoginEvents.cs

Relevant portions of the app files are shown below. Line numbers are included for reference only and include a two-character prefix that denotes the specific file to which they belong.

LoginEvent.cs

```

LE01 public class LoginEvent
LE02 {
LE03
LE04 public string subject { get; set; }
LE05 public DateTime eventTime { get; set; }
LE06 public Dictionary<string, string> data { get; set; }
LE07 public string Serialize()
LE08 {
LE09     return JsonConvert.SerializeObject(this);
LE10 }
LE11 }

```

NEW QUESTION 72

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 need to ensure that authentication events are triggered and processed according to the policy.

Solution: Create a new Azure Event Grid subscription for all authentication that delivers messages to an Azure Event Hub. Use the subscription to process signout events.

Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

NEW QUESTION 76

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 need to ensure that authentication events are triggered and processed according to the policy.
 Solution: Create a new Azure Event Grid topic and add a subscription for the events. Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Use a separate Azure Event Grid topics and subscriptions for sign-in and sign-out events.
 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.

NEW QUESTION 80

DRAG DROP

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.

Code segments	Answer Area
topic	if (
status	@event["data"] [" <input type="text"/>].ToString() == " <input type="text"/> "
eventType	&&
Succeeded	@event["data"] [" <input type="text"/>].ToString() == "Microsoft.Web/sites/write"
operationName)
resourceProvider	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Status
 Box 2: Succeeded
 Box 3: operationName
 Scenario: Policy service
 You develop and deploy a stateful ASP.NET Core 2.1 web application named Policy service to an Azure App Service Web App. The application reacts to events from Azure Event Grid and performs policy actions based on those events.
 The application must include the Event Grid Event ID field in all Application Insights telemetry.

NEW QUESTION 85

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 need to ensure that authentication events are triggered and processed according to the policy.
 Solution: Ensure that signout events have a subject prefix. Create an Azure Event Grid subscription that uses the subjectBeginsWith filter.

- A. Yes
- B. No

Answer: B

NEW QUESTION 86

DRAG DROP

You need to implement telemetry for non-user actions.
 How should you complete the Filter class? 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.

Code segments

-
-
-
-
-
-

Answer Area

```
public class Filter : code segment
{
    private readonly code segment _next;
    public Filter( code segment next)
    {
        _next = next;
    }
    public void Process(ITelemetry item)
    {
        var x = item as code segment ;
        if (x?.Url.AbsolutePath == " code segment " )
        {
            return;
        }
        _next.Process(item);
    }
}
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Code segments

-
-
-
-
-
-

Answer Area

```
public class Filter : RequestTelemetry
{
    private readonly ITelemetryProcessor _next;
    public Filter( ITelemetryInitializer next)
    {
        _next = next;
    }
    public void Process(ITelemetry item)
    {
        var x = item as /status ;
        if (x?.Url.AbsolutePath == " PageViewTelemetry " )
        {
            return;
        }
        _next.Process(item);
    }
}
```

Case Study: 4

Chatbot Background

Best for You Organics Company is a global restaurant franchise that has multiple locations. The company wants to enhance user experiences and vendor integrations. The company plans to implement automated mobile ordering and delivery services.

Best For You Organics hosts an Azure web app at the URL <https://www.bestforyouorganics.com>.

Users can use the web app to browse restaurant locations, menu items, nutritional, information, and company information. The company developed and deployed a cross-platform mobile app.

Requirements

You must develop a chatbot by using the Bot Builder SDK and Language Understanding Intelligence Service (LUIS). The chatbot must allow users to order food for pickup or delivery.

The chatbot must meet the following requirements:

- ?Ensure that chatbot endpoint can be accessed only by the Bot Framework connector.
- ?Use natural language processing and speech recognition so that users can interact with the chatbot by using text and voice. Processing must be server- based.
- ?Alert users about promotions at local restaurants.
- ?Enable users to place an order for delivery or pickup by using their voice.
- ?Greet the user upon sign-in by displaying a graphical interface that contains action buttons.
- ?The chatbot greeting interface must match the formatting of the following example:

Welcome to the Restaurant!



John Doe

Sun, Aug 26, 2018

Welcome to Best For You Organics Company! How can we help you today?

Specials: Chicken Marsala

Order Pickup

Order Delivery

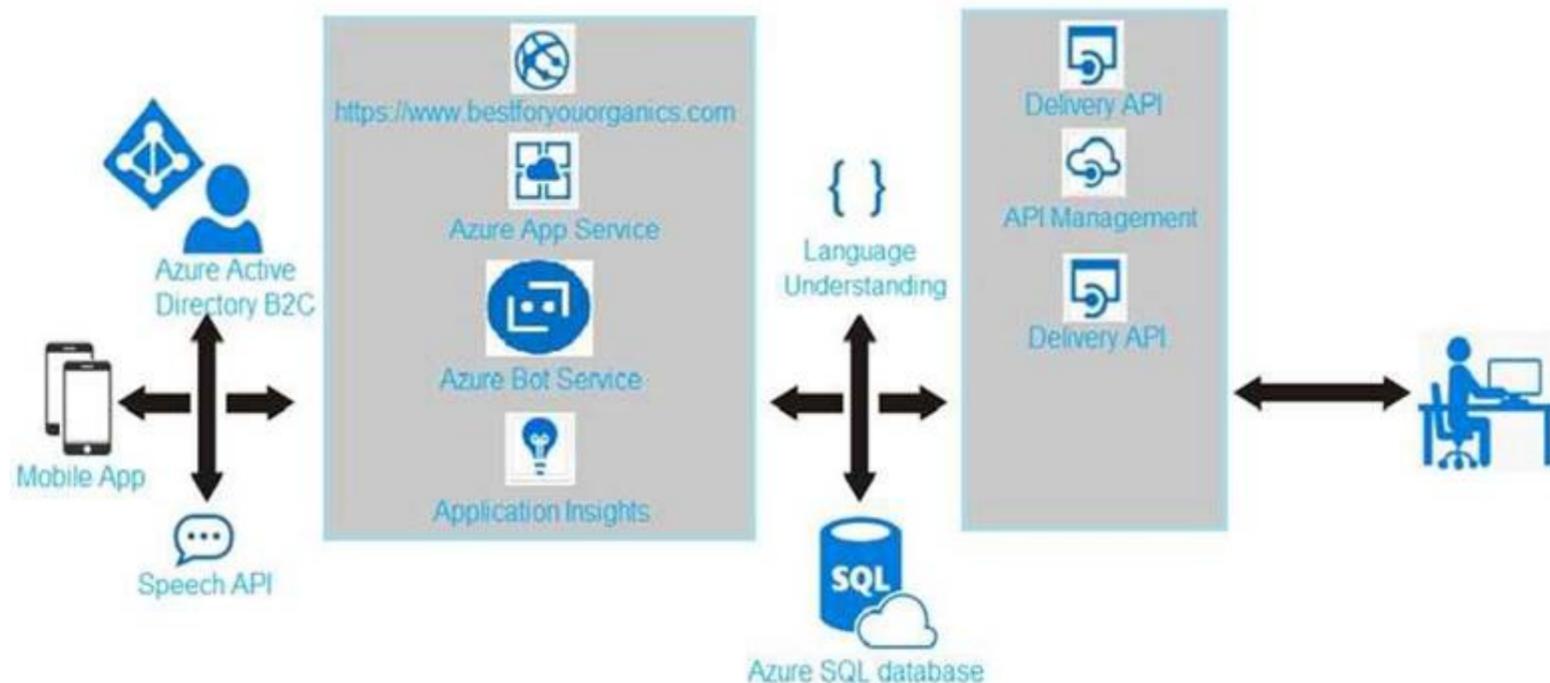
Vendor API

Vendors receive and provide updates for the restaurant inventory and delivery services by using Azure API Management hosted APIs. Each vendor uses their own subscription to access each of the APIs.

APIs must meet the following conditions:

- ?API usage must not exceed 5,000 calls and 50,000 kilobytes of bandwidth per hour per vendor.
- ?If a vendor is nearing the number of calls or bandwidth limit, the API must trigger email notifications to the vendor.
- ?APIs must prevent API usage spikes on a per-subscription basis by limiting the call rate to 100 calls per minute.
- ?The Inventory API must be written by using ASP.NET Core and Node.js.
- ?The API must be updated to provide an interface to Azure SQL Database. Database objects must be managed by using code.
- ?The Delivery API must be protected by using the OAuth 2.0 protocol with Azure Active Directory (Azure AD) when called from the Azure web app. You register the Delivery API and web app in Azure AD. You enable OAuth 2.0 in the web app.
- ?The delivery API must update the Products table, the Vendor transactions table, and the Billing table in a single transaction.

The Best For You Organics Company architecture team has created the following diagram depicting the expected deployments into Azure:



Delivery API

The Delivery API intermittently throws the following exception:

```
"System.Data.Entity.Core.EntityCommandExecutionException: An error occurred while executing the command definition. See the inner exception for details. --->System.Data.SqlClient.SqlException: A transport-level error has occurred when receiving results from the server. (provider: Session Provider, error: 19 - Physical connection is not usable)"
```

Chatbot greeting

The chatbot's greeting does not show the user's name. You need to debug the chatbot locally.

Language processing

Users report that the bot fails to understand when a customer attempts to order dishes that use Italian names.

Relevant portions of the app files are shown below. Line numbers are included for reference only and include a two-character prefix that denotes the specific file to which they belong.

Startup.cs

```
SU01 namespace DeliveryApi
SU02 {
SU03     public class Startup
SU04     {
SU05         public Startup (Iconfiguration configuration)
SU06         {
SU07             Configuration = configuration ;
SU08         }
SU09         public Iconfiguration Configuration {get ;}
SU10         public void ConfigureServices (IServiceCollection services)
SU11         {
SU12             services.AddDbContext<RestaurantsContext> (opt =>
SU13                 opt.UseSqlServer (Configuration.GetSection ("ConnectionStrings") ["RestaurantsDatabase"],
SU14                     sqlServerOptionsAction: sqlOptions =>
SU15                     {
SU16                         . . .
SU17                     }));
SU18             services.AddMvc ()
SU19             .SetCompatibilityVersion (CompatibilityVersion.Version_2_1) ;
SU20         }
SU21         public void Configure (IApplicationBuilder app)
SU22         {
SU23             app.UseMvc () ;
SU24         }
SU25     }
SU26 }
```

NEW QUESTION 90

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 need to meet the vendor notification requirement.

Solution: Update the Delivery API to send emails by using a cloud -based email service.

Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

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 Determine whether the solution meets the stated goals.

You need to meet the vendor notification requirement.

Solution: Configure notifications in the Azure API Management instance. Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Use a custom outbound Azure API Management policy. Scenario:

If a vendor is nearing the number of calls or bandwidth limit, the API must trigger email notifications to the vendor.

(API usage must not exceed 5,000 calls and 50,000 kilobytes of bandwidth per hour per vendor.)

References:

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

NEW QUESTION 94

Note: In this section you will see one or more sets of questions with the same scenario and problem. Each question presents a unique solution to the problem, and you must determine whether the solution meets the stated goals. More than one solution might solve the problem. It is also possible that none of the solutions solve the problem.

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.

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 need to meet the vendor notification requirement.

Solution: Update the Delivery API to send emails by using a Microsoft Office 365 SMTP server.

Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Use a custom outbound Azure API Management policy. Scenario:

If a vendor is nearing the number of calls or bandwidth limit, the API must trigger email notifications to the vendor.

(API usage must not exceed 5,000 calls and 50,000 kilobytes of bandwidth per hour per vendor.)

References:

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

NEW QUESTION 99

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