Microsoft

Exam Questions AZ-201

Microsoft Azure Developer Advanced Solutions
NEW QUESTION 1
- (Exam Topic 1)
You need to resolve the chatbot issue. What should you do?

A. Update the bot to store and retrieve state data.
B. Update the bot to overload the Dialog class constructor and invoke the root dialog.
C. Update the bot to pass native metadata to a channel in the Activity object's Channel Data property.
D. Use the Bot Framework Connector to send and receive activities.

Answer: A

NEW QUESTION 2
- (Exam Topic 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.
Determine whether the solution meets the stated goals. You need to meet the vendor notification requirement.
Solution: Create and apply a custom outbound Azure API Management policy. Does the solution meet the goal?

A. Yes
B. No

Answer: A

Explanation:
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.)

In Azure API Management (APIM), policies are a powerful capability of the system that allow the publisher to change the behavior of the API through configuration. Policies are a collection of Statements that are executed sequentially on the request or response of an API. Popular Statements include format conversion from XML to JSON and call rate limiting to restrict the amount of incoming calls from a developer. Many more policies are available out of the box.

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

NEW QUESTION 3
- (Exam Topic 2)
You need to meet the scaling requirement for Policy Service. What should you store in Azure Redis Cache?

A. HttpContext.Items
B. ViewState
C. Session state
D. TempData

Answer: C

NEW QUESTION 4
- (Exam Topic 2)
You need to ensure that the solution can meet the scaling requirements for Policy Service. Which Azure Application Insights data model should you use?

A. an Application Insights metric
B. an Application Insights dependency
C. an Application Insights trace
D. an Application Insights event

Answer: D

NEW QUESTION 5
- (Exam Topic 3)
You are developing a solution that requires serverless code execution in Azure. The solution has two functions that must run in a specific order.
You need to ensure that the second function can use the output from the first function, 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
NEW QUESTION 6
- (Exam Topic 3)
You are creating a bot for a company by using QnA Maker.
You need to ensure that the company can update the bot without third party assistance. What should you use? 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
- (Exam Topic 3)
You develop software solutions for a web services company. You have the following code. (Line numbers are for reference only.)
You need to implement an immediate response customer support solution for the company’s website. For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

<table>
<thead>
<tr>
<th>Statement</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>A child dialog will handle any messages that contain the word support</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RootDialog will return to the top of the stack after SupportDialog handles a request</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

A. Mastered
B. Not Mastered

Answer: A

Explanation:
NEW QUESTION 8
- (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 section, you will NOT be able to return to it. As a result these questions will not appear in the review screen.
You use ASP.NET Core MVC with ADO.NET to develop an application. You implement database sharding for the application by using Azure SQL Database. You establish communication links between the shard databases.
You need to implement a strategy that allows a group of operations that are performed on multiple Azure databases to be rolled back on all databases if any of the operations fail.
Solution:
• In the .NET method, define a new transaction in a using block.
• Within the using block, establish connections to each Azure SQL Database instance.
• Run the SQL operations on each connection. If no exception occurs, commit the transaction. Does the solution meet the goal?
A. Yes
B. No

Answer: A

NEW QUESTION 9
- (Exam Topic 3)
You are creating a collaborative image hosting platform as an ASP.NET MVC web application. Users add, update, and modify images on the platform. Images are stored in Azure Blob storage.
More than one user at a time must be able to modify the same image. You need to implement optimistic concurrency for uploading images. 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.
NOTE: Each correct solution is worth one point.

Answer: A

Explanation:
Optimistic concurrency means allowing concurrency conflicts to happen, and then reacting appropriately if they do.
For the PUT method, If-Match can be used to prevent the lost update problem. It can check if the modification of a resource that the user wants to upload will not override another change that has been done since the original resource was fetched. If the request cannot be fulfilled, the 412 (Precondition Failed) response is returned.
References:
NEW QUESTION 10
- (Exam Topic 3)
You are developing an ASP.NET Core Web API web service. The web service uses Azure Application Insights for all telemetry and dependency tracking. The web service reads and writes data to a database other than Microsoft SQL Server.
You need to ensure that dependency tracking works for calls to the third-party database.
Which two Dependency Telemetry properties should you store in the database? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

A. Telemetry.Context.Operation.Id
C. Telemetry.Id
D. Telemetry.ContextSession.Id
E. Telemetry.Name

Answer: BC

NEW QUESTION 11
- (Exam Topic 3)
You develop a website. You plan to host the website in Azure. You expect the website to experience high traffic volumes after it is published. You must ensure that the website remains available and responsive while minimizing cost. You need to deploy the website. What should you do?

A. Deploy the website to an App Service that uses the Shared service tier
B. Configure the App Service plan to automatically scale when the CPU load is high.
C. Deploy the website to a virtual machine
D. Configure the virtual machine to automatically scale when the CPU load is high.
E. Deploy the website to an App Service that uses the Standard service tier
F. Configure the App Service plan to automatically scale when the CPU load is high.
G. Deploy the website to a virtual machine
H. Configure a Scale Set to increase the virtual machine instance count when the CPU load

Answer: C

NEW QUESTION 12
- (Exam Topic 3)
You are developing an IoT solution. The solution requires bidirectional communication between a .NET application and Azure IoT Hub.
You need to obtain connection information for a single test device.
Which three 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.
NOTE: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Run the following command in the command-line environment where you are using the Azure CLI to install the IoT extension:
NEWQUESTION13

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:

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

The system has the following requirements for subscriptions:

<table>
<thead>
<tr>
<th>Subscription type</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>FutureOrders</td>
<td>This subscription is reserved for future use and must not receive any orders.</td>
</tr>
<tr>
<td>HighPriorityOrders</td>
<td>Handle all high priority orders and International orders.</td>
</tr>
<tr>
<td>InternationalOrders</td>
<td>Handle orders where the country/region is not United States.</td>
</tr>
<tr>
<td>HighQuantityOrders</td>
<td>Handle only orders with quantities greater than 100 units.</td>
</tr>
<tr>
<td>AllOrders</td>
<td>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.</td>
</tr>
</tbody>
</table>

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.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
FutureOrders: SQLFilter  
HighPriorityOrders: CorrelationFilter  
CorrelationID-only  
InternationalOrders: 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 14  
- (Exam Topic 3)  
You are a developer for a SaaS company that offers many web services. All web services must meet the following requirements:  
• Use API Management to access the services  
• Use OpenID Connect for authentication.  
• Prevent anonymous usage  
A recent security audit found that several web services can be called without any authentication. Which API Management policy should you implement?  
A. validate-jwt  
B. authentication-certificate  
C. check-header  
D. jsonp  

Answer: B

NEW QUESTION 15  
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