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The demand for cloud-native applications is rapidly increasing, and the Microsoft DP-420 certification exam is a great way for professionals to demonstrate their expertise in this area. By passing DP-420 exam, professionals can showcase their skills and knowledge in designing and implementing highly scalable and available cloud-native applications on Microsoft Azure Cosmos DB. Additionally, this certification can help professionals advance their careers and open up new opportunities in the cloud computing industry.

Microsoft DP-420 certification exam is ideal for cloud architects, developers, and IT professionals who are looking to enhance their skills in designing and implementing cloud-native applications. Designing and Implementing Cloud-Native Applications Using Microsoft Azure Cosmos DB certification exam is designed to test the candidates' ability to design and implement scalable, fault-tolerant cloud-native applications using Cosmos DB. DP-420 Exam also covers various topics related to Cosmos DB, including partitioning, data modeling, indexing, and querying.

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Latest DP-420 Test Cost, Practical DP-420 Information

Education degree does not equal strength, and it does not mean ability. Education degree just mean that you have this learning experience only. And the real ability is exercised in practice, it is not necessarily linked with the academic qualifications. Do not feel that you have no ability, and don't doubt yourself. When you choose to participate in the Microsoft DP-420 Exam, it is necessary to pass it. If you are concerned about the test, however, you can choose TopExamCollection's Microsoft DP-420 exam training materials. No matter how low your qualifications, you can easily understand the content of the training materials. And you can pass the exam successfully.

Microsoft Designing and Implementing Cloud-Native Applications Using Microsoft Azure Cosmos DB Sample Questions (Q38-Q43):

NEW QUESTION # 38

You plan to implement con-iot1 and con-iot2.

You need to configure the default Time to Live setting for each container. The solution must meet the IoT telemetry requirements. What should you configure? To answer, select the appropriate options in the answer NOTE: Each correct selection is worth one point.

Answer Area

con-iot1:

con-iot2:

Microsoft

Answer:

Explanation:

Answer Area

con-iot1:

con-iot2:

Microsoft

Explanation:

Box 1 = On (no default) For con-iot1, you need to configure the default TTL setting to On (no default), which means that items in this container do not expire by default, but you can override the TTL value on a per-item basis. This meets the requirement of retaining all telemetry data unless overridden.

Box 2 = On (3600 seconds) For con-iot2, you need to configure the default TTL setting to On (3600 seconds), which means that items in this container will expire 3600 seconds (one hour) after their last modified time. This meets the requirement of deleting all telemetry data older than one hour.

NEW QUESTION # 39

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 have a container named container1 in an Azure Cosmos DB Core (SQL) API account.

You need to make the contents of container1 available as reference data for an Azure Stream Analytics job.

Solution: You create an Azure function that uses Azure Cosmos DB Core (SQL) API change feed as a trigger and Azure event hub as the output.

Does this meet the goal?

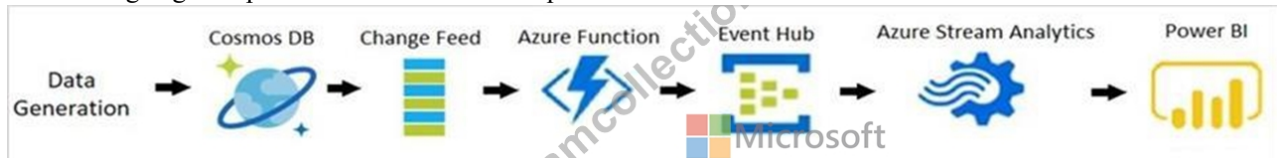
- A. No
- B. Yes

Answer: A

Explanation:

The Azure Cosmos DB change feed is a mechanism to get a continuous and incremental feed of records from an Azure Cosmos container as those records are being created or modified. Change feed support works by listening to container for any changes. It then outputs the sorted list of documents that were changed in the order in which they were modified.

The following diagram represents the data flow and components involved in the solution:



NEW QUESTION # 40

You have an app that stores data in an Azure Cosmos DB Core (SQL) API account. The app performs queries that return large result sets.

You need to return a complete result set to the app by using pagination. Each page of results must return 80 items.

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

Actions

Answer Area

Configure MaxItemCount in QueryRequestOptions
Run the query and provide a continuation token
Configure MaxBufferedItemCount in QueryRequestOptions
Append the results to a variable
Run the query and increment MaxItemCount



Answer:

Explanation:

Answer Area
Configure the MaxItemCount in QueryRequestOptions
Run the query and provide a continuation token
Append the results to a variable

- 1 - Configure the MaxItemCount in QueryRequestOptions
- 2 - Run the query and provide a continuation token
- 3 - Append the results to a variable

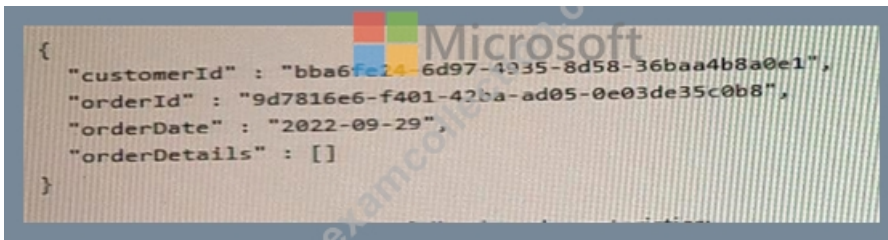
NEW QUESTION # 41

You have a database named db1 in an Azure Cosmos DB for NoSQL.

You are designing an application that will use db1.

In db1, you are creating a new container named coll1 that will store in coll1.

The following is a sample of a document that will be stored in coll1.



The application will have the following characteristics:

- * New orders will be created frequently by different customers.
- * Customers will often view their past order history.

You need to select the partition key value for coll1 to support the application. The solution must minimize costs.

To what should you set the partition key?

- A. orderDate
- B. orderId
- C. id
- D. customerId

Answer: A

Explanation:

Based on the characteristics of the application and the provided document structure, the most suitable partition key value for coll1 in the given scenario would be the customerId, Option B.

The application frequently creates new orders by different customers and customers often view their past order history. Using customerId as the partition key would ensure that all orders associated with a particular customer are stored in the same partition. This enables efficient querying of past order history for a specific customer and reduces cross-partition queries, resulting in lower costs and improved performance.

a partition key is a JSON property (or path) within your documents that is used by Azure Cosmos DB to distribute data among multiple partitions³. A partition key should have a high cardinality, which means it should have many distinct values, such as hundreds or thousands¹. A partition key should also align with the most common query patterns of your application, so that you can efficiently retrieve data by using the partition key value¹.

Based on these criteria, one possible partition key that you could use for coll1 is B. customerId.

This partition key has the following advantages:

- * It has a high cardinality, as each customer will have a unique ID³.
- * It aligns with the query patterns of the application, as customers will often view their past order history³.
- * It minimizes costs, as it reduces the number of cross-partition queries and optimizes the storage and throughput utilization¹.

This partition key also has some limitations, such as:

- * It may not be optimal for scenarios where orders need to be queried independently from customers or aggregated by date or other criteria³.
- * It may result in hot partitions or throttling if some customers create orders more frequently than others or have more data than others¹.
- * It may not support transactions across multiple customers, as transactions are scoped to a single logical partition².

Depending on your specific use case and requirements, you may need to adjust this partition key or choose a different one. For example, you could use a synthetic partition key that concatenates multiple properties of an item², or you could use a partition key with a random or pre-calculated suffix to distribute the workload more evenly².

NEW QUESTION # 42

You have an Azure Cosmos DB Core (SQL) API account that uses a custom conflict resolution policy. The account has a registered merge procedure that throws a runtime exception.

The runtime exception prevents conflicts from being resolved.

You need to use an Azure function to resolve the conflicts.

What should you use?

- A. a function that pulls items from the change feed and is triggered by a timer trigger
- B. a function that receives items pushed from the conflicts feed and is triggered by an Azure Cosmos DB trigger
- C. a function that receives items pushed from the change feed and is triggered by an Azure Cosmos DB trigger
- D. a function that pulls items from the conflicts feed and is triggered by a timer trigger

Answer: B

Explanation

Reference: <https://docs.microsoft.com/en-us/azure/azure-functions/functions-bindings-cosmosdb>

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