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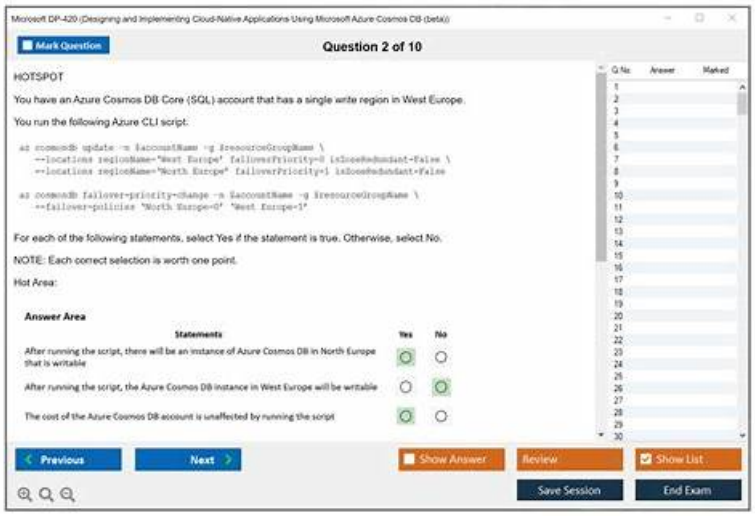

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Azure Cosmos DB is a globally distributed, multi-model database service that is designed for mission-critical applications. It provides high availability, low latency, and seamless scalability, making it an ideal choice for cloud-native applications. The DP-420 certification exam covers topics such as designing and implementing containers, designing and implementing partitioning strategies, and optimizing the performance of Azure Cosmos DB.

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Pass Guaranteed Microsoft - DP-420 - Unparalleled Designing and Implementing Cloud-Native Applications Using Microsoft Azure Cosmos DB Actual Tests

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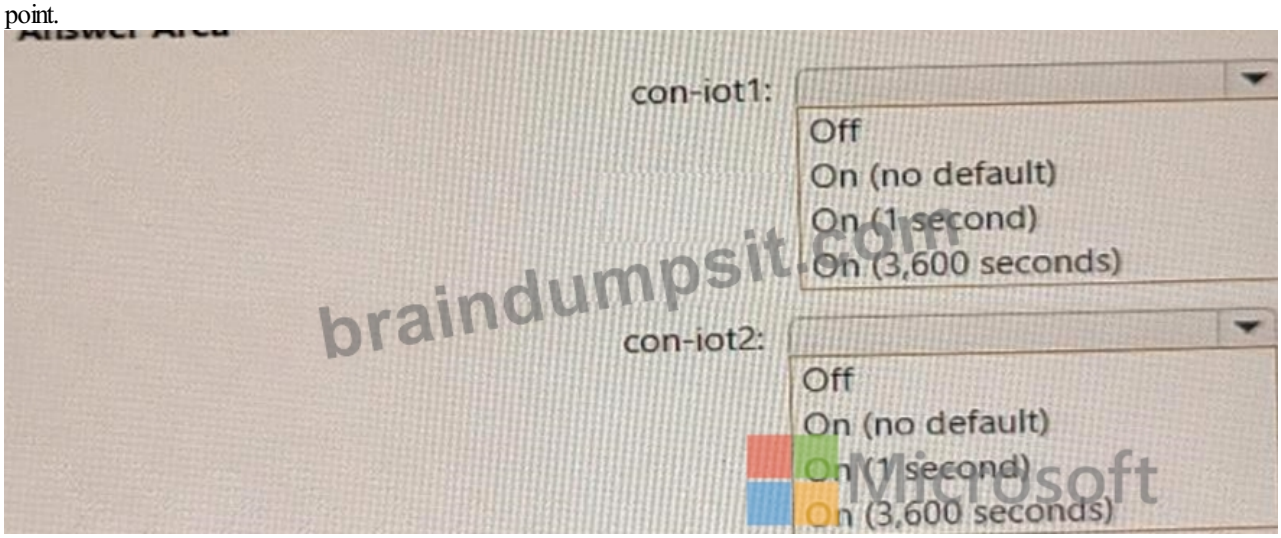
Microsoft DP-420 is a certification exam that focuses on designing and implementing cloud-native applications using Microsoft Azure Cosmos DB. Designing and Implementing Cloud-Native Applications Using Microsoft Azure Cosmos DB certification is

designed for professionals who are looking to demonstrate their expertise in developing cloud-native applications using Azure Cosmos DB. Azure Cosmos DB is a globally distributed, multi-model database service that is designed for high availability, low latency, and scalability. Designing and Implementing Cloud-Native Applications Using Microsoft Azure Cosmos DB certification exam covers all the essential topics related to Azure Cosmos DB and cloud-native application development.

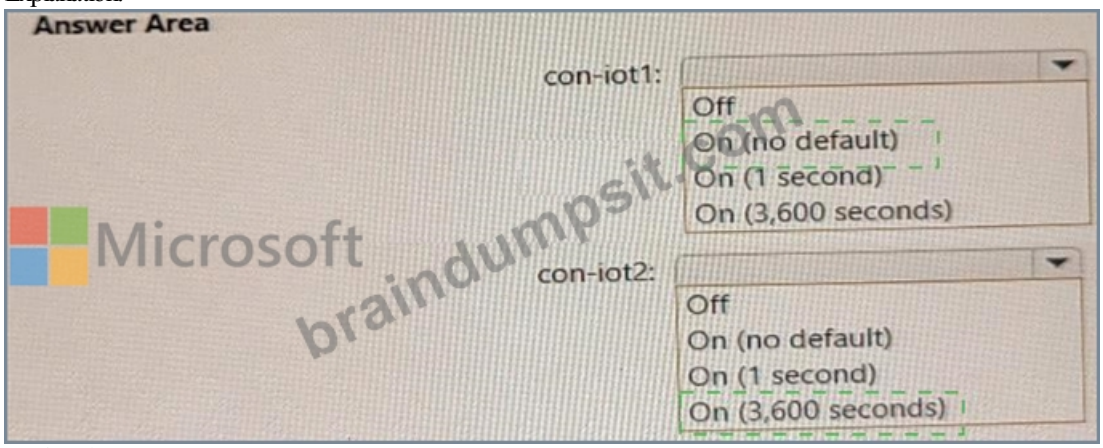
Microsoft Designing and Implementing Cloud-Native Applications Using Microsoft Azure Cosmos DB Sample Questions (Q12-Q17):

NEW QUESTION # 12
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 loT telemetry requirements.
What should you configure? To answer, select the appropriate options in the answer NOTE: Each correct selection is worth one point.



Answer:

Explanation:



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 overridden1.
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 hour1.

NEW QUESTION # 13
You have a container named container1 in an Azure Cosmos DB Core (SQL) API account. The container1 container has 120 GB of data.
The following is a sample of a document in container1.

```
{
    "customerId" : "5425",
    "orderId" : "9d7816e6-f401-42ba-ad05-0e03de35c0b8",
    "orderDate" : "2019-05-03",
    "orderDetails" : []
}
```

The orderId property is used as the partition key.
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Statements	Yes	No

If you run the following query, the query will run as a cross-partition query
`SELECT * FROM c`
`where c.orderDate = "2019-05-03"`
	○	○

If you run the following query, the query will run as a cross-partition query
`SELECT * FROM c`
`where c.customerId = "5425"`
	○	○

If you run the following query, the query will run as a cross-partition query
`SELECT * FROM c`
`where c.orderDate = "2019-05-03" and`
`c.orderId = "9d7816e6-f401-42ba-ad05-0e03de35c0b8"`
	○	○

Answer:

Explanation:

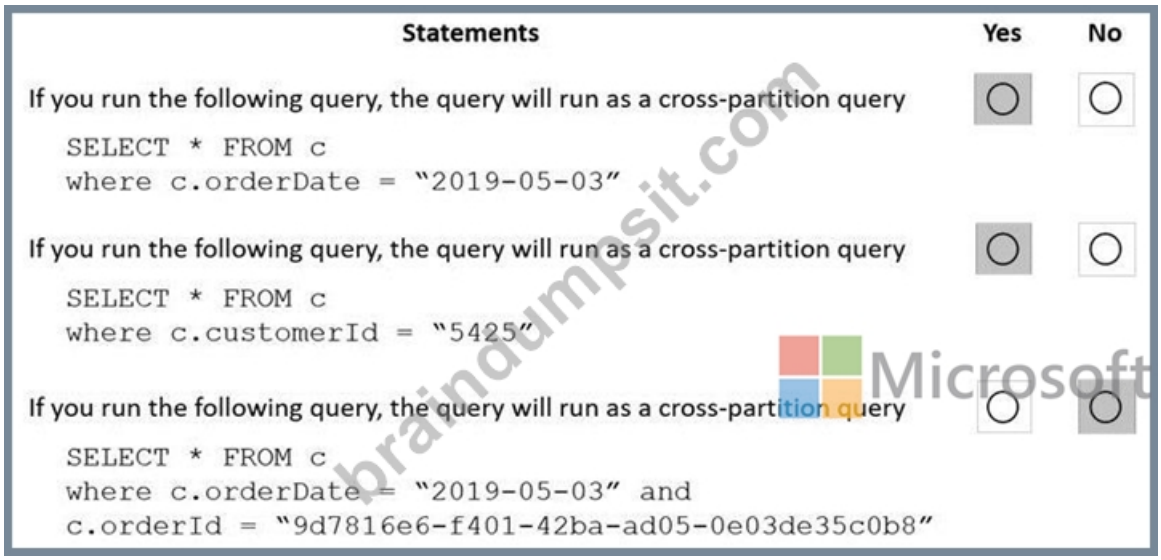
Statements	Yes	No

If you run the following query, the query will run as a cross-partition query
`SELECT * FROM c`
`where c.orderDate = "2019-05-03"`
	○	○

If you run the following query, the query will run as a cross-partition query
`SELECT * FROM c`
`where c.customerId = "5425"`
	○	○

If you run the following query, the query will run as a cross-partition query
`SELECT * FROM c`
`where c.orderDate = "2019-05-03" and`
`c.orderId = "9d7816e6-f401-42ba-ad05-0e03de35c0b8"`
	○	○

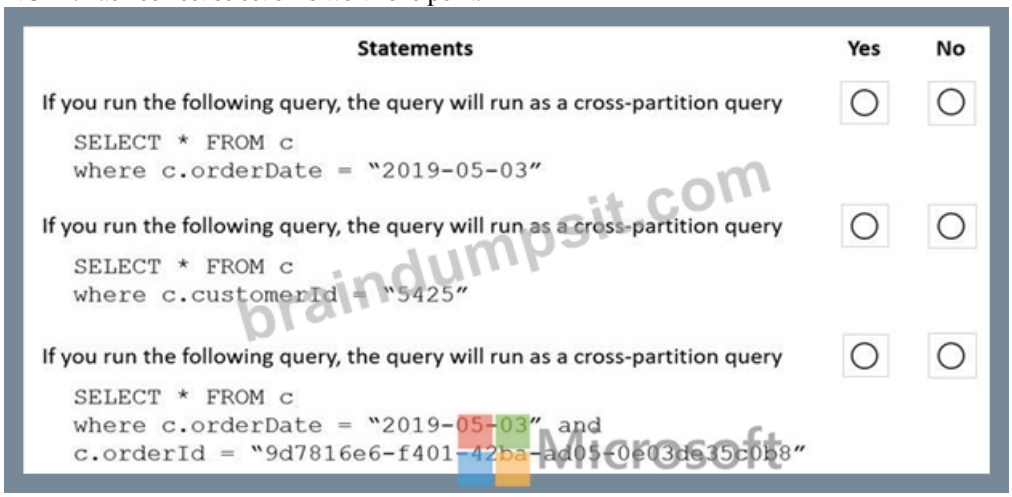
Explanation



Box 1: Yes
Records with different OrderIDs will match.
Box 2: Yes
Records with different OrderIDs will match.
Box 3: No
Only records with one specific OrderId will match

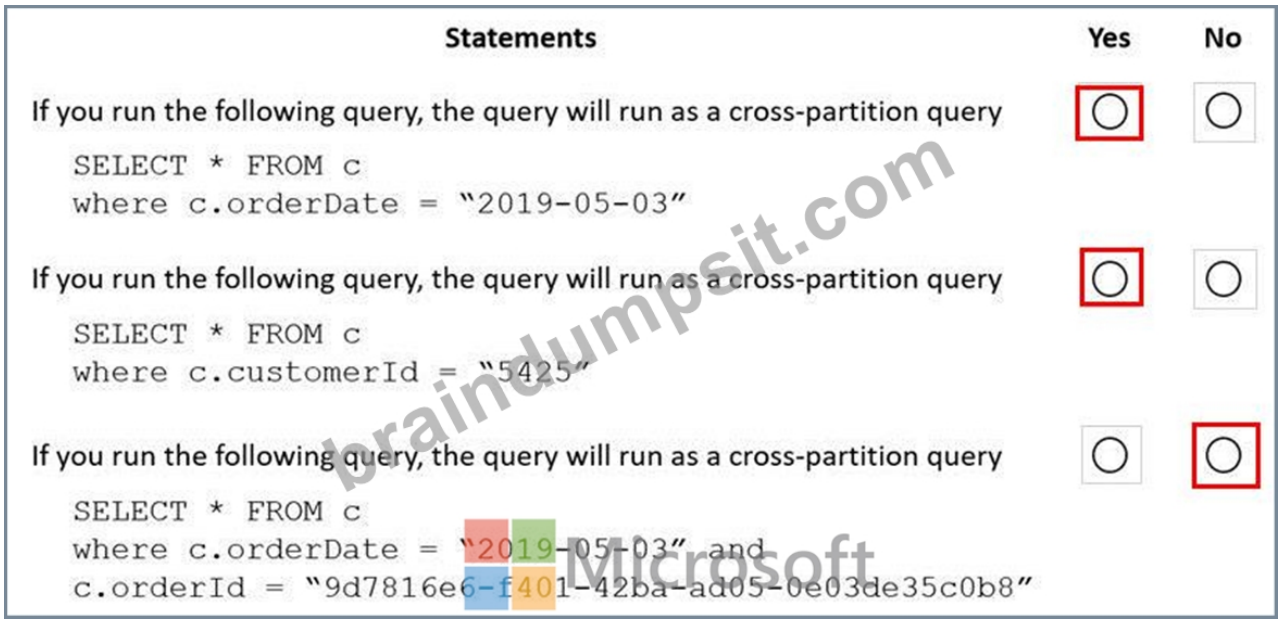
NEW QUESTION # 14
You have a container named container1 in an Azure Cosmos DB Core (SQL) API account. The container1 container has 120 GB of data.
The following is a sample of a document in container1.

The orderId property is used as the partition key.
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:

Explanation:



NEW QUESTION # 15
You have an Azure Cosmos DB for NoSQL account.
The change feed is enabled on a container named invoice.
You create an Azure function that has a trigger on the change feed.
What is received by the Azure function?

- A. all the properties of the updated items
- B. all the properties of the original items and the updated items
- C. only the partition key and the changed properties of the updated items
- D. only the changed properties and the system-defined properties of the updated items

Answer: D

Explanation:
According to the Azure Cosmos DB documentation12, the change feed is a persistent record of changes to a container in the order they occur. The change feed outputs the sorted list of documents that were changed in the order in which they were modified.
The Azure function that has a trigger on the change feed receives all the properties of the updated items2. The change feed does not include the original items or only the changed properties. The change feed also includes some system-defined properties such as _ts (the last modified timestamp) and _lsn (the logical sequence number)3.
Therefore, the correct answer is:

NEW QUESTION # 16
You need to configure an Apache Kafka instance to ingest data from an Azure Cosmos DB Core (SQL) API account. The data from a container named telemetry must be added to a Kafka topic named iot. The solution must store the data in a compact binary format.
Which three configuration items should you include in the solution? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

- A. "connector.class": "com.azure.cosmos.kafka.connect.source.CosmosDBSourceConnector"
- B. "connector.class": "com.azure.cosmos.kafka.connect.source.CosmosDBSinkConnector"
- C. "connect.cosmos.containers.topicmap": "iot"
- D. "key.converter": "org.apache.kafka.connect.json.JsonConverter"
- E. "key.converter": "io.confluent.connect.avro.AvroConverter"
- F. "connect.cosmos.containers.topicmap": "iot#telemetry"

Answer: B,E,F

Explanation:
C: Avro is binary format, while JSON is text.

F: Kafka Connect for Azure Cosmos DB is a connector to read from and write data to Azure Cosmos DB. The Azure Cosmos DB sink connector allows you to export data from Apache Kafka topics to an Azure Cosmos DB database. The connector polls data from Kafka to write to containers in the database based on the topics subscription.
D: Create the Azure Cosmos DB sink connector in Kafka Connect. The following JSON body defines config for the sink connector.
Extract:
"connector.class": "com.azure.cosmos.kafka.connect.sink.CosmosDBSinkConnector",
"key.converter": "org.apache.kafka.connect.json.AvroConverter"
"connect.cosmos.containers.topicmap": "hotels#kafka"
Reference:
https://docs.microsoft.com/en-us/azure/cosmos-db/sql/kafka-connector-sink
https://www.confluent.io/blog/kafka-connect-deep-dive-converters-serialization-explained/

NEW QUESTION # 17
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