

100% Pass Quiz 2026 Microsoft DP-420: Latest Designing and Implementing Cloud-Native Applications Using Microsoft Azure Cosmos DB Exam Vce Free



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Microsoft Designing and Implementing Cloud-Native Applications Using Microsoft Azure Cosmos DB Sample Questions (Q58-Q63):

NEW QUESTION # 58

You have three containers in an Azure Cosmos DB Core (SQL) API account as shown in the following table.

Name	Database	Time to Live
cn1	db1	On (no default)
cn2	db1	Off
cn3	db1	On (no default)

You have the following Azure functions:

A function named Fn1 that reads the change feed of cn1

A function named Fn2 that reads the change feed of cn2

A function named Fn3 that reads the change feed of cn3

You perform the following actions:

Delete an item named item1 from cn1.

Update an item named item2 in cn2.

For an item named item3 in cn3, update the item time to live to 3,600 seconds.

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
Fn1 will receive item1 from the change feed	<input type="radio"/>	<input type="radio"/>
Fn2 can check the _etag of item2 to see whether the item is an update or an insert	<input type="radio"/>	<input type="radio"/>
Fn3 will receive item3 from the change feed	<input type="radio"/>	<input type="radio"/>

Answer:

Explanation:

Statements	Yes	No
Fn1 will receive item1 from the change feed	<input type="radio"/>	<input checked="" type="radio"/>
Fn2 can check the _etag of item2 to see whether the item is an update or an insert	<input type="radio"/>	<input checked="" type="radio"/>
Fn3 will receive item3 from the change feed	<input checked="" type="radio"/>	<input type="radio"/>

Explanation

Statements	Yes	No
Fn1 will receive item1 from the change feed	<input type="radio"/>	<input checked="" type="radio"/>
Fn2 can check the _etag of item2 to see whether the item is an update or an insert	<input type="radio"/>	<input checked="" type="radio"/>
Fn3 will receive item3 from the change feed	<input checked="" type="radio"/>	<input type="radio"/>

Box 1: No

Azure Cosmos DB's change feed is a great choice as a central data store in event sourcing architectures where all data ingestion is modeled as writes (no updates or deletes).

Note: The change feed does not capture deletes. If you delete an item from your container, it is also removed from the change feed. The most common method of handling this is adding a soft marker on the items that are being deleted. You can add a property called "deleted" and set it to "true" at the time of deletion. This document update will show up in the change feed. You can set a TTL on this item so that it can be automatically deleted later.

Box 2: No

The _etag format is internal and you should not take dependency on it, because it can change anytime.

Box 3: Yes

Change feed support in Azure Cosmos DB works by listening to an Azure Cosmos container for any changes.

Reference:

<https://docs.microsoft.com/en-us/azure/cosmos-db/sql/change-feed-design-patterns>

<https://docs.microsoft.com/en-us/azure/cosmos-db/change-feed>

NEW QUESTION # 59

You have a container in an Azure Cosmos DB for NoSQL account. The database that has a manual throughput of 30,000 request units per second (RU/s). The current consumption details are shown in the following chart.

Normalized RU Consumption (%) By PartitionKeyRangeID



Use the drop-down menus to select the answer choice that answers each question based on the information presented in the graphic.
NOTE: Each correct selection is worth one point.

Answer Area

Each partition supports throughput of up to [answer choice] RU/s.

The container can scale to [answer choice] RU/s without a partition split.

Answer:

Explanation:

Answer Area

Each partition supports throughput of up to [answer choice] RU/s.

The container can scale to [answer choice] RU/s without a partition split.

Explanation

Answer Area

Each partition supports throughput of up to [answer choice] RU/s.

The container can scale to [answer choice] RU/s without a partition split.

NEW QUESTION # 60

You have an Azure Cosmos DB container named container1.

You need to insert an item into container1. The solution must ensure that the item is deleted automatically after two hours.

How should you complete the item definition? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

```
{
  "id": "1",
  "customerOrderNumber": "XA2342093",
  "orderDate": "2022-04-22T09:34:42",
  "customerNumber": 234223,
  "orderItems":
  [
    {
      "id": 1,
      "quantity": 12,
      "productCode": "B234BLK"
    }
  ],
  "_attachments": "attachments/",
  "ttl": 7200,
  "_ts": 1551322496
}
```



Microsoft

Answer:

Explanation:

Answer Area

```
{
  "id": "1",
  "customerOrderNumber": "XA2342093",
  "orderDate": "2022-04-22T09:34:42",
  "customerNumber": 234223,
  "orderItems":
  [
    {
      "id": 1,
      "quantity": 12,
      "productCode": "B2348LK"
    }
  ]
  "_attachments": "attachments/",
  "ttl": {
    "ttl": 7200,
    "defaultTimeToLive": 7200,
    "_ttl": 7200
  },
  "_ts": 1551322496
}
```



Explanation:

Answer Area

```
{
  "id": "1",
  "customerOrderNumber": "XA2342093",
  "orderDate": "2022-04-22T09:34:42",
  "customerNumber": 234223,
  "orderItems":
  [
    {
      "id": 1,
      "quantity": 12,
      "productCode": "B234BLK"
    }
  ]
}

"_attachments": "attachments/",
" ttl": 7200 ,
"_ts": 1551322496
}
```



NEW QUESTION # 61

You plan to create an Azure Cosmos DB database named db1 that will contain two containers. One of the containers will contain blog posts, and the other will contain users. Each item in the blog post container will include:

- * A single blog post
- * All the comments associated to the blog post
- * The names of the users who created the blog post and added the comments.

You need to design a solution to update usernames in the user container without causing data integrity issues. The solution must minimize administrative and development effort. What should you include in the solution? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

In the user container, implement:

- A stored procedure
- The change feed processor
- A post-trigger
- A stored procedure
- A user-defined function

In the blog post container, implement:

- The change feed processor
- The change feed processor
- A post-trigger
- A stored procedure
- A user-defined function

Answer:

Explanation:

Answer Area

Microsoft

In the user container, implement:

- A stored procedure
- The change feed processor
- A post-trigger
- A stored procedure
- A user-defined function

In the blog post container, implement:

- The change feed processor
- The change feed processor
- A post-trigger
- A stored procedure
- A user-defined function

NEW QUESTION # 62

You need to select the capacity mode and scale configuration for account2 to support the planned changes and meet the business requirements. What should you select? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

Microsoft

Capacity mode:

- Provisioned throughput
- Provisioned throughput
- Serverless

Scale configuration:

- Autoscale throughput on iotdb and throughput sharing across the containers
- Autoscale throughput on con-iot1 and con-iot2
- Autoscale throughput on iotdb and throughput sharing across the containers
- Manual throughput on con-iot1 and con-iot2

Answer:

Explanation:

Answer Area

Microsoft

Capacity mode:

- Provisioned throughput
- Provisioned throughput
- Serverless

Scale configuration:

- Autoscale throughput on iotdb and throughput sharing across the containers
- Autoscale throughput on con-iot1 and con-iot2
- Autoscale throughput on iotdb and throughput sharing across the containers
- Manual throughput on con-iot1 and con-iot2

Explanation:

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