

Questions for the Microsoft DP-420 Exam - 100% Money-Back Guarantee



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Microsoft DP-420 exam covers a range of topics, including Cosmos DB databases, containers, and partitions. It also covers the different data models supported by Cosmos DB, including document, graph, and key-value models. DP-420 Exam also covers best practices for designing and implementing Cosmos DB solutions, including designing partition keys, optimizing queries, and implementing data consistency models.

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

NEW QUESTION # 38

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

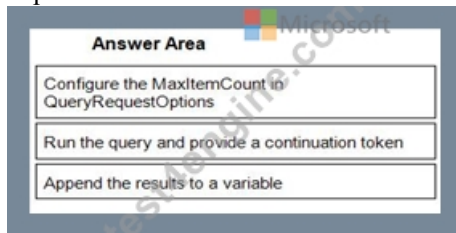
Run the query and increment MaxItemCount



Microsoft

Answer:

Explanation:



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

NEW QUESTION # 39

You are creating a database in an Azure Cosmos DB Core (SQL) API account. The database will be used by an application that will provide users with the ability to share online posts. Users will also be able to submit comments on other users' posts. You need to store the data shown in the following table.

Type	Description
Users	Information about a user who will use the application
Posts	Text of up to 1,000 characters that a user will share with other users
Comments	Text of up to 280 characters that users will submit as a comment on a post
Interests	Information about a user's interests

The application has the following characteristics:

Users can submit an unlimited number of posts.

The average number of posts submitted by a user will be more than 1,000.

Posts can have an unlimited number of comments from different users.

The average number of comments per post will be 100, but many posts will exceed 1,000 comments.

Users will be limited to having a maximum of 20 interests.

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 embed the posts data into the users data instead of creating a separate document for each post, you will increase the write operation costs for new posts	<input type="radio"/>	<input checked="" type="radio"/>
If you embed the comments data into the posts data instead of creating a separate document for each comment you will increase the write operation costs for new comments	<input type="radio"/>	<input checked="" type="radio"/>
If you embed the interests data into the users data instead of creating a separate document for each interest, you will increase the read operation costs for displaying the users and their associated interests	<input type="radio"/>	<input checked="" type="radio"/>

Answer:

Explanation:

Statements	Yes	No
If you embed the posts data into the users data instead of creating a separate document for each post, you will increase the write operation costs for new posts	<input checked="" type="radio"/>	<input type="radio"/>
If you embed the comments data into the posts data instead of creating a separate document for each comment you will increase the write operation costs for new comments	<input checked="" type="radio"/>	<input type="radio"/>
If you embed the interests data into the users data instead of creating a separate document for each interest, you will increase the read operation costs for displaying the users and their associated interests	<input type="radio"/>	<input checked="" type="radio"/>

NEW QUESTION # 40

You have an application named App1 that reads the data in an Azure Cosmos DB Core (SQL) API account. App1 runs the same read queries every minute. The default consistency level for the account is set to eventual. You discover that every query consumes request units (RUs) instead of using the cache. You verify the IntegratedCacheItemHitRate metric and the IntegratedCacheQueryHitRate metric. Both metrics have values of 0. You verify that the dedicated gateway cluster is provisioned and used in the connection string. You need to ensure that App1 uses the Azure Cosmos DB integrated cache. What should you configure?

- A. the default consistency level of the Azure Cosmos DB account
- B. the consistency level of the requests from App1
- C. the connectivity mode of the App1 CosmosClient
- D. the indexing policy of the Azure Cosmos DB container

Answer: C

Explanation:

Because the integrated cache is specific to your Azure Cosmos DB account and requires significant CPU and memory, it requires a dedicated gateway node. Connect to Azure Cosmos DB using gateway mode.

Reference: <https://docs.microsoft.com/en-us/azure/cosmos-db/integrated-cache-faq>

NEW QUESTION # 41

You have an Azure Cosmos DB Core (SQL) API account named account1.
You have the Azure virtual networks and subnets shown in the following table.

Subnet	Network	IP address range	Virtual machine
subnet1	vnet1	10.0.0.0/24	VM1
subnet2	vnet1	10.0.1.0/24	VM2
subnet3	vnet2	10.1.0.0/24	VM3

The vnet1 and vnet2 networks are connected by using a virtual network peer.

The Firewall and virtual network settings for account1 are configured as shown in the exhibit.

Allow access from

☐ All networks ☒ Selected networks

Configure network security for your Azure Cosmos DB account. [Learn more.](#)

Virtual networks

Secure your Azure Cosmos DB account with virtual networks. [+ Add existing virtual network](#) [+Add new virtual network](#)

Virtual Network	Subnet	Address range	Endpoint Status
✓ vnet1	1	10.0.0.0/16	
	vnet1.subnet1	10.0.1.0/24	✓ Enabled

Firewall

Add IP ranges to allow access from the internet or your on-premises networks. [+Add my current IP](#)



IP(Single IPv4 or CIDR range)

Exceptions

- ☐ Accept connections from within public Azure datacenters ⓘ
- ☒ Allow access from Azure Portal ⓘ



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
VM1 can access account 1	<input type="radio"/>	<input type="radio"/>
VM2 can access account 1	<input type="radio"/>	<input type="radio"/>
VM3 can access account 1	<input type="radio"/>	<input type="radio"/>

Answer:

Explanation:

Statements

Yes

No

VM1 can access account 1

☒☐

VM2 can access account 1

☐☒

VM3 can access account 1

☐☒

NEW QUESTION # 42

You plan to create an Azure Cosmos DB container named account that will contain items in the following format.

```
{
  "id": "account-2022080712345",
  "balanceStatus": [
    {
      "balance": 1000,
      "timestamp": "2021-09-15T23:14:25.7251173Z"
    },
    {
      "balance": 10,
      "timestamp": "2021-09-11T19:16:25.1343234Z"
    },
    {
      "balance": 100,
      "timestamp": "2021-08-14T21:13:39.8121133Z"
    }
  ]
}
```

You need to define a query that will return the ids of all accounts that have ever recorded a negative value for balance.

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

NOTE: Each correct selection is worth one point.

Answer Area

SELECT c.id

FROM c

WHERE EXISTS(

SELECT n

FROM

c.balanceStatus

c.balanceStatus

c.balanceStatus.balance

n IN c.balanceStatus

WHERE

n < 0

n < 0

n.balance

n.balanceStatus.balance

Answer:

Explanation:

The screenshot shows a query editor window with the following SQL code:

```
SELECT c.id
FROM c
WHERE EXISTS(
  SELECT n
  FROM c.balanceStatus
  WHERE n < 0
)
```

Two dropdown menus are open. The first dropdown, for the 'FROM' clause, shows the following options:

- c.balanceStatus (highlighted)
- c.balanceStatus.balance
- n IN c.balanceStatus

The second dropdown, for the 'WHERE' clause, shows the following options:

- n < 0 (highlighted)
- n.balance
- n.balanceStatus.balance

The Microsoft logo is visible in the bottom left corner of the editor window.

NEW QUESTION # 43

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