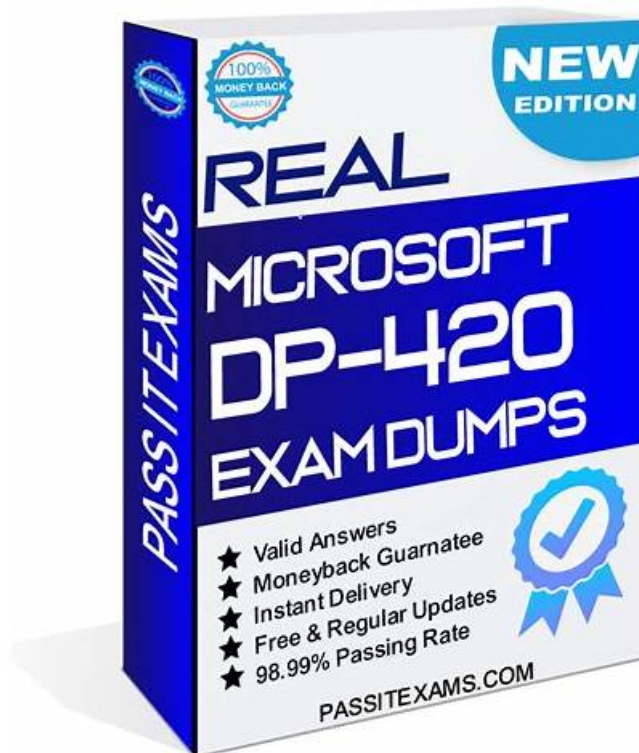


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Are you worried about your poor life now and again? Are you desirous to gain a decent job in the near future? Do you dream of a better life? Do you want to own better treatment in the field? If your answer is yes, please prepare for the DP-420 Exam. It is known to us that preparing for the exam carefully and getting the related certification are very important for all people to achieve their dreams in the near future.

Azure Cosmos DB is a globally distributed, multi-model database service that offers high availability, low latency, and automatic scaling. It is designed to be used with cloud-native applications and provides support for multiple APIs, including SQL, MongoDB, Cassandra, and Azure Table Storage. The DP-420 Exam covers topics such as data modeling, partitioning, indexing, and querying in Azure Cosmos DB. You'll also learn how to use Azure Functions, Azure Event Grid, and Azure Stream Analytics to build event-driven architectures.

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Free PDF Professional DP-420 - Designing and Implementing Cloud-Native Applications Using Microsoft Azure Cosmos DB Dumps Free Download

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Achieving the Microsoft DP-420 certification can open up new career opportunities for you as a cloud-native application developer or architect. It can help you demonstrate your expertise in designing and implementing scalable and highly available cloud-native applications using Cosmos DB, which is a critical component of the Microsoft Azure ecosystem. By passing DP-420 Exam, you can show potential employers that you have the skills and knowledge needed to develop and deploy cloud-native applications that meet the demands of modern businesses.

Microsoft Designing and Implementing Cloud-Native Applications Using Microsoft Azure Cosmos DB Sample Questions (Q30-Q35):

NEW QUESTION # 30

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 <code>SELECT * FROM c where c.orderDate = "2019-05-03"</code>	☐	☐
If you run the following query, the query will run as a cross-partition query <code>SELECT * FROM c where c.customerId = "5425"</code>	☐	☐
If you run the following query, the query will run as a cross-partition query <code>SELECT * FROM c where c.orderDate = "2019-05-03" and c.orderId = "9d7816e6-f401-42ba-ad05-0e03de35c0b8"</code>	☐	☐

Answer:

Explanation:

Statements	Yes	No
If you run the following query, the query will run as a cross-partition query <code>SELECT * FROM c where c.orderDate = "2019-05-03"</code>	☒	☐
If you run the following query, the query will run as a cross-partition query <code>SELECT * FROM c where c.customerId = "5425"</code>	☐	☐
If you run the following query, the query will run as a cross-partition query <code>SELECT * FROM c where c.orderDate = "2019-05-03" and c.orderId = "9d7816e6-f401-42ba-ad05-0e03de35c0b8"</code>	☐	☒

NEW QUESTION # 31

You have an Azure Cosmos DB Core (SQL) account that has a single write region in West Europe. You run the following Azure CLI script.

```
az cosmosdb update -n $accountName -g $resourceGroupName \
--locations regionName='West Europe' failoverPriority=0 isZoneRedundant=False \
--locations regionName='North Europe' failoverPriority=1 isZoneRedundant=False

az cosmosdb failover-priority-change -n $accountName -g $resourceGroupName \
--failover-policies 'North Europe=0' 'West Europe=1'
```

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
After running the script, there will be an instance of Azure Cosmos DB in North Europe that is writable	☐	☐
After running the script, the Azure Cosmos DB instance in West Europe will be writable	☐	☐
The cost of the Azure Cosmos DB account is unaffected by running the script	☐	☐

Answer:

Explanation:

Statements	Yes	No
After running the script, there will be an instance of Azure Cosmos DB in North Europe that is writable	☒	☐
After running the script, the Azure Cosmos DB instance in West Europe will be writable	☐	☒
The cost of the Azure Cosmos DB account is unaffected by running the script	☒	☐

Reference:

<https://docs.microsoft.com/en-us/azure/cosmos-db/sql/how-to-multi-master>

<https://docs.microsoft.com/en-us/azure/cosmos-db/optimize-cost-regions>

NEW QUESTION # 32

You have an Azure Cosmos DB container named owners. Each item in owners represents an owner and their pets. The following is a sample of the JSON

```

{
  "id": "1",
  "ownerName": "Fred",
  "pets": [
    {
      "petName": "Fluffy",
      "age": 1
    },
    {
      "petName": "Bouncy",
      "age": 3
    },
    {
      "petName": "Hairy",
      "age": 10
    }
  ]
}

```

You are writing a query that will retrieve the average age of each pet owned by each owner, if the pet is older than two years. How should you complete the query? To answer, drag the appropriate values to the correct targets. Each value 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.

Values	Answer Area
AS	SELECT c.ownerName, AVG(PetAges)
COUNT	FROM c
IN	JOIN (Select [] (p.age) FROM p [] c.pets WHERE p.age > 2) PetAges
JOIN	GROUP BY c.ownerName
SUM	
VALUE	

Answer:

Explanation:

Values	Answer Area
AS	SELECT c.ownerName, AVG(PetAges)
COUNT	FROM c
IN	JOIN (Select [] (p.age) FROM p [] c.pets WHERE p.age > 2) PetAges
JOIN	GROUP BY c.ownerName
SUM	
VALUE	

Explanation:

Values

AS

COUNT

IN

JOIN

SUM

VALUE

Answer Area

Microsoft

SELECT c.ownerName, AVG(p.petAge)

FROM c

JOIN (Select VALUE (p.petAge) FROM p IN c.pets WHERE p.petAge > 2) petAges

GROUP BY c.ownerName

NEW QUESTION # 33

You have a database named telemetry in an Azure Cosmos DB Core (SQL) API account that stores IoT data.

The database contains two containers named readings and devices.

Documents in readings have the following structure.

```
id
deviceid
timestamp
ownerid
measures (array)
```

- type
- value
- metricid

Documents in devices have the following structure.

```
id
deviceid
owner
- ownerid
- emailaddress
- name
brand
model
```

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
To return for all devices owned by a specific emailaddress, multiple queries must be performed	☐	☐
To return deviceid, ownerid, timestamp, and value for a specific metricid, a join must be performed	☐	☐
To return deviceid, ownerid, emailaddress, and model, a join must be performed	☐	☐

Answer:

Explanation:

Statements	Yes	No
To return for all devices owned by a specific emailaddress, multiple queries must be performed	☒	☐
To return deviceid, ownerid, timestamp, and value for a specific metricid, a join must be performed	☐	☒
To return deviceid, ownerid, emailaddress, and model, a join must be performed	☐	☒

Explanation:

Statements	Yes	No
To return for all devices owned by a specific emailaddress, multiple queries must be performed	☐	☐
To return deviceid, ownerid, timestamp, and value for a specific metricid, a join must be performed	☐	☐
To return deviceid, ownerid, emailaddress, and model, a join must be performed	☐	☐

Box 1: Yes

Need to join readings and devices.

Box 2: No

Only readings is required. All required fields are in readings.

Box 3: No

Only devices is required. All required fields are in devices.

NEW QUESTION # 34

You have an Azure Cosmos DB for NoSQL container. The container contains items that have the following properties.

Property	Data type	Filtered in queries
dateOfBirth	Date	Yes
hasProvidedTaxNumber	Boolean	Yes
healthStatus	String	No

You need to protect the data stored in the container by using Always Encrypted. For each property, you must use the strongest type of encryption and ensure that queries execute properly.

What is the strongest type of encryption that you can apply to each property? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

dateOfBirth:
Randomized
No encryption

healthStatus:
Randomized
No encryption

Answer:

Explanation:

Answer Area

dateOfBirth:
Deterministic
No encryption

healthStatus:
Randomized
No encryption

Explanation

Box 1 = Randomized

Box 2 = Deterministic

Always Encrypted for Azure Cosmos DB supports two types of encryption: deterministic and randomized1.

Deterministic encryption always produces the same encrypted value for any given plain text value.

Randomized encryption produces a different encrypted value for the same plain text value.

For dateOfBirth, randomized encryption is the strongest type of encryption because it provides better protection against statistical analysis and brute-force attacks. Deterministic encryption would not be suitable for dateOfBirth because it could reveal patterns or allow equality comparisons¹.

For healthStatus, deterministic encryption is the strongest type of encryption because it allows queries to perform equality comparisons and filters on the encrypted property. Randomized encryption would not be suitable for healthStatus because it would prevent any queries on the encrypted property¹.

NEW QUESTION # 35

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