

Microsoft DP-420 Exam | Valid DP-420 Exam Materials - Useful Tips & Questions for your DP-420 Learning



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Before we start develop a new DP-420 study materials, we will prepare a lot of materials. After all, we must ensure that all the questions and answers of the DP-420 study materials are completely correct. First of all, we have collected all relevant reference books. Most of the DP-420 Study Materials are written by the famous experts in the field. They are widely read and accepted by people. Through careful adaption and reorganization, all knowledge will be integrated in our DP-420 study materials.

Microsoft DP-420 certification exam is designed to test your skills and knowledge in designing and implementing cloud-native applications using Microsoft Azure Cosmos DB. DP-420 exam is ideal for professionals who are looking to demonstrate their expertise in developing scalable, highly available, and secure cloud-native applications using Cosmos DB. In DP-420 exam, you will be required to demonstrate your ability to design, develop, and deploy cloud-native applications using Cosmos DB, as well as your skills in implementing security and disaster recovery solutions.

Microsoft DP-420 Exam is part of the Azure certification path, and passing DP-420 exam will help professionals to demonstrate their proficiency in designing and implementing cloud-native applications using Azure Cosmos DB. DP-420 exam is also essential for individuals who want to validate their skills in building highly scalable and available applications that can handle large volumes of data traffic.

>> Valid DP-420 Exam Materials <<

Choosing Valid DP-420 Exam Materials - Get Rid Of Designing and Implementing Cloud-Native Applications Using Microsoft Azure Cosmos DB

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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.

Microsoft Designing and Implementing Cloud-Native Applications Using Microsoft Azure Cosmos DB Sample Questions (Q90-Q95):

NEW QUESTION # 90

You have an Azure Cosmos DB database that contains a container named container 1. The container1 container is configured with a

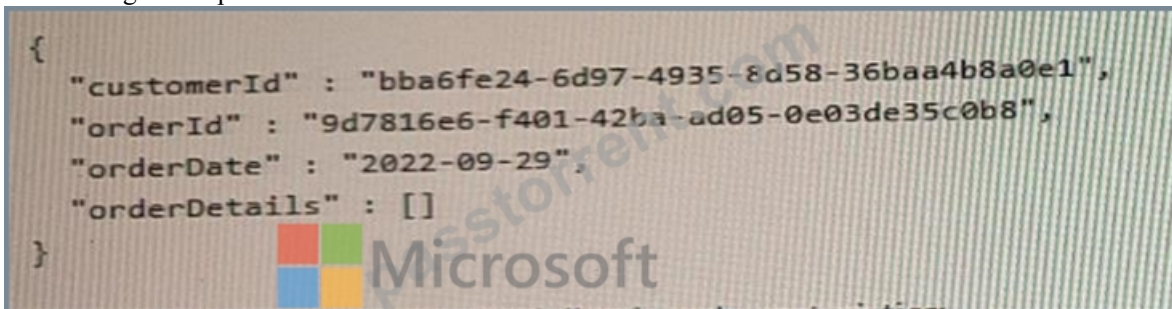
maximum of 20,000 RU/s and currently contains 240 GB of data.
You need to estimate the costs of container1 based on the current usage.
How many RU/s will be charged?

- A. 4,000
- B. 20,000
- C. 0
- D. 1

Answer: B

NEW QUESTION # 91

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

Answer: C

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 # 92

You have an Azure subscription that contains an Azure Cosmos DB for NoSQL account named account1.

Backups for account1 have the following configurations:

- * Interval: 2 hours
- * Retention period: 4 days

You need to estimate the charges associated with the retention of the backups. How many copies of the backups will incur additional charges?

- A. 0
- B. 1
- C. 2
- **D. 3**

Answer: D

NEW QUESTION # 93

You have an on-premises network.

You have an Azure subscription that contains an Azure Cosmos DB account named account1 and an Azure virtual network named VNet1. VNet1 contains two virtual machines named VM1 and VM2. VNet1 is connected to the on-premises network by using a Site-to-Site (S2S) VPN.

You need to meet the following requirements:

- * Block access to the public endpoint of account1.
- * Allow only VM1 to access account1.

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



To provide network connectivity to account1, use a:

Private endpoint
Dedicated gateway
Private endpoint
Service endpoint

To allow only VM1 to access account1, use:

Network security group (NSG) inbound rules
an application security group
Network security group (NSG) inbound rules
Network security group (NSG) outbound rules

Answer:

Explanation:

Answer Area

To provide network connectivity to account1, use a:

Private endpoint
Dedicated gateway
Private endpoint
Service endpoint

To allow only VM1 to access account1, use:

Network security group (NSG) inbound rules
an application security group
Network security group (NSG) inbound rules
Network security group (NSG) outbound rules

Explanation:

Answer Area Microsoft

To provide network connectivity to account1, use a:

To allow only VM1 to access account1, use:

NEW QUESTION # 94

You have an Azure subscription that contains a resource group named RG1. RG1 contains an Azure Cosmos DB for NoSQL account named account1.

You plan to audit changes to the control plane of account1.

You need to ensure that audit events include the details of the security principal that performs each control plane change.

How should you complete the az command? To answer select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area Microsoft

az cosmosdb --name Account1 --resource-group RG1

Answer:

Explanation:

Answer Area Microsoft

az cosmosdb --name Account1 --resource-group RG1

Explanation:

Answer Area Microsoft

az cosmosdb --name Account1 --resource-group RG1

NEW QUESTION # 95

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