

Microsoft DP-420 Valid Exam Answers | DP-420 Practice Guide



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Microsoft DP-420 exam consists of multiple-choice questions that assess the candidate's ability to design and implement cloud-native applications using Azure Cosmos DB. DP-420 exam covers topics such as data modeling, indexing, partitioning, querying, and troubleshooting. It also includes questions on security, monitoring, and performance optimization.

What are the prerequisites to take the Microsoft DP-420 Certification Exam?

There are no prerequisites for the Microsoft DP-420 Certification Exam.

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Microsoft Designing and Implementing Cloud-Native Applications Using Microsoft Azure Cosmos DB Sample Questions (Q84-Q89):

NEW QUESTION # 84

You maintain a relational database for a book publisher. The database contains the following tables.

□

The most common query lists the books for a given authorId.

You need to develop a non-relational data model for Azure Cosmos DB Core (SQL) API that will replace the relational database. The solution must minimize latency and read operation costs.

What should you include in the solution?

- A. Create a container for Author and a container for Book. In each Author document, embed books for each book by the author. In each Book document embed author of each author.
- B. Create Author, Book, and Bookauthorlnk documents in the same container.
- C. Create a container that contains a document for each Author and a document for each Book. In each Book document, embed authorId.
- D. Create a container for Author and a container for Book. In each Author document and Book document embed the data from Bookauthorlnk.

Answer: A

Explanation:

Store multiple entity types in the same container.

NEW QUESTION # 85

You have an Azure subscription.

You plan to create an Azure Cosmos DB for NoSQL database named DB1 that will store author and book data for authors that have each published up to ten books. Typical and frequent queries of the data will include:

- * All books written by an individual author
- * The synopsis of individual books

You need to recommend a data model for DB1. The solution must meet the following requirements:

- * Support transactional updates of the author and book data.
- * Minimize read operation costs.

What should you recommend?

- A. Create three containers, one that stores author items, a second that stores book items, and a third that stores items that represent the relationship between the authors and their books.
- B. Create a single container that stores author items and book items, and then items that represent the relationship between the authors and their books.
- C. Create a single container that stores author items and book items. Embed a list of each author's books in the
- D. Create two containers, one that stores author items and another that stores book items. Embed a list of each author's books in the corresponding author item.

Answer: C

NEW QUESTION # 86

You have a container that stores data about families. The following is a sample document.

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:

Explanation

Children who do not have parents defined will appear on the list = NO

Children who do not have parents defined will not appear on the list. This is because the document schema defines the children property as an array of objects that contain the firstName and gender properties of each child, as well as a parents property that references the id values of the parents. If a child does not have parents defined, it means that the parents property is either missing or empty for that child. Therefore, such a child will not be included in the list of children who have parents defined.

Children who have more than one pet will appear on the list multiple times. = Yes Children who have more than one pet will appear on the list multiple times. This is because the document schema defines the pets property as an array of objects that contain the givenName and type properties of each pet, as well as a children property that references the id values of the children who own the pet. If a child has more than one pet, it means that the child's id value will appear in the children property of multiple pet objects. Therefore, such a child will be included in the list of children who have pets multiple times.

Children who do not have pets defined will appear on the list = No

Children who do not have pets defined will not appear on the list. This is because the document schema defines the pets property as an array of objects that contain the givenName and type properties of each pet, as well as a children property that references the id values of the children who own the pet. If a child does not have pets defined, it means that the child's id value does not appear in the children property of any pet object.

Therefore, such a child will not be included in the list of children who have pets defined.

NEW QUESTION # 87

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have a container named container1 in an Azure Cosmos DB Core (SQL) API account.

You need to make the contents of container1 available as reference data for an Azure Stream Analytics job.

Solution: You create an Azure Data Factory pipeline that uses Azure Cosmos DB Core (SQL) API as the input and Azure Blob Storage as the output.

Does this meet the goal?

- A. No
- B. Yes

Answer: A

Explanation:

Instead create an Azure function that uses Azure Cosmos DB Core (SQL) API change feed as a trigger and Azure event hub as the output.

The Azure Cosmos DB change feed is a mechanism to get a continuous and incremental feed of records from an Azure Cosmos container as those records are being created or modified. Change feed support works by listening to container for any changes. It then outputs the sorted list of documents that were changed in the order in which they were modified.

The following diagram represents the data flow and components involved in the solution:

Reference: <https://docs.microsoft.com/en-us/azure/cosmos-db/sql/changefeed-ecommerce-solution>

NEW QUESTION # 88

You configure Azure Cognitive Search to index a container in an Azure Cosmos DB Core (SQL) API account as shown in the following exhibit.

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

Answer:

Explanation:

NEW QUESTION # 89

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