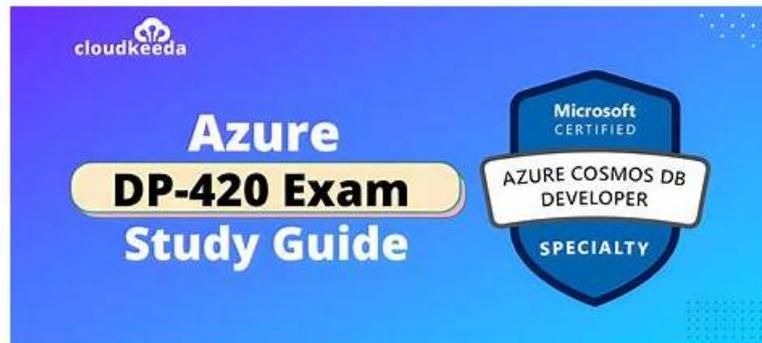


# 最頂尖的考試資料DP-420測試確保您能如願考過 Microsoft DP-420考試



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在這個什麼都不斷上漲除了工資不上漲的年代裏，難道你不想突破自己嗎，讓工資翻倍，這也不是不可能，只要通過Microsoft的DP-420考試認證，你將會得到你想要的，而Fast2test將會為你提供最好的培訓資料，讓你安心的通過考試並獲得認證，它的通過率達到100%，讓你不得不驚歎，這確實是真的，不用懷疑，不用考慮，馬上就行動吧。

該考試測試候選人在各種主題方面的知識和技能，例如使用Cosmos DB設計和實施數據訪問模式、設計和實施分區策略、設計和實施全球分發以及設計和實施災難恢復和數據同步。該考試還測試候選人在使用Cosmos DB開發和實施無服務器和基於容器的應用程序方面的知識和技能。

Microsoft DP-420認證考試旨在測試候選人在使用Microsoft Azure Cosmos DB設計和實施雲原生應用程序方面的知識和技能。此考試適用於有Microsoft Azure開發和部署雲應用程序經驗，並有興趣將Azure Cosmos DB納入其應用程序的個人。

>> DP-420測試 <<

## DP-420試題 & DP-420考題套裝

一般考 Microsoft DP-420 認證兩個目的：一來是學習產品知識；二來通過認證，得到一個可以證明自己能力的東西。如何讓自己一次性通過考試呢？下面向您推薦 Fast2test 考古題。如果你正在準備 Microsoft 的 DP-420 考試，為認證做最後衝刺，又苦於沒有絕對權威的考試真題模擬，DP-420 題庫能助你成功通過考試，獲取認證！

DP-420認證考試由多個選擇題組成，涵蓋了設計和實施使用Azure Cosmos DB的雲原生應用的各種主題。候選人將被測試他們設計容器和分區的能力、實施數據建模最佳實踐、優化查詢性能以及配置和管理Azure Cosmos DB實例的能力。

## 最新的 Azure Cosmos DB Developer Specialty DP-420 免費考試真題 (Q144-Q149):

### 問題 #144

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. Yes
- B. No

答案: B

解題說明:

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>

問題 #145

You need to identify which connectivity mode to use when implementing App2. The solution must support the planned changes and meet the business requirements.

Which connectivity mode should you identify?

- A. Direct mode over TCP
- B. Direct mode over HTTPS
- C. Gateway mode (using HTTPS)

答案: A

解題說明:

Scenario: Develop an app named App2 that will run from the retail stores and query the data in account2.

App2 must be limited to a single DNS endpoint when accessing account2.

By using Azure Private Link, you can connect to an Azure Cosmos account via a private endpoint. The private endpoint is a set of private IP addresses in a subnet within your virtual network.

When you're using Private Link with an Azure Cosmos account through a direct mode connection, you can use only the TCP protocol. The HTTP protocol is not currently supported.

Reference:

<https://docs.microsoft.com/en-us/azure/cosmos-db/how-to-configure-private-endpoints>

Topic 1, Litware, inc

Case Study

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study

To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.

Overview

Litware, Inc. is a United States-based grocery retailer. Litware has a main office and a primary datacenter in Seattle. The company has 50 retail stores across the United States and an emerging online presence. Each store connects directly to the internet.

Existing environment. Cloud and Data Service Environments.

Litware has an Azure subscription that contains the resources shown in the following table.

Name	Type	Description
account1	Azure Cosmos DB Core (SQL) API account	The account has a single read-write region and contains a database named productdb. The productdb database contains two containers named con-product and con-productVendor. The account uses the session default consistency level.
iothub1	Azure IoT hub	The IoT hub collects per-second temperature and humidity telemetry from 5,000 IoT devices in the retail stores. A single telemetry reading generates 1 KB of data.
streamanalytics1	Azure Stream Analytics job	The job processes telemetry data collected from iothub1.

Each container in productdb is configured for manual throughput.

The con-product container stores the company's product catalog data. Each document in con-product includes a con-productVendor value. Most queries targeting the data in con-product are in the following format.

```
SELECT * FROM con-product p WHERE p.con-productVendor = 'name'
```

Most queries targeting the data in the con-productVendor container are in the following format SELECT \* FROM con-productVendor pv ORDER BY pv.creditRating, pv.yearFounded Existing environment. Current Problems.

Litware identifies the following issues:

Updates to product categories in the con-productVendor container do not propagate automatically to documents in the con-product container.

Application updates in con-product frequently cause HTTP status code 429 "Too many requests". You discover that the 429 status code relates to excessive request unit (RU) consumption during the updates.

Requirements. Planned Changes

Litware plans to implement a new Azure Cosmos DB Core (SQL) API account named account2 that will contain a database named iotdb. The iotdb database will contain two containers named con-iot1 and con-iot2.

Litware plans to make the following changes:

Store the telemetry data in account2.

Configure account1 to support multiple read-write regions.

Implement referential integrity for the con-product container.

Use Azure Functions to send notifications about product updates to different recipients.

Develop an app named App1 that will run from all locations and query the data in account1.

Develop an app named App2 that will run from the retail stores and query the data in account2. App2 must be limited to a single DNS endpoint when accessing account2.

Requirements. Business Requirements

Litware identifies the following business requirements:

Whenever there are multiple solutions for a requirement, select the solution that provides the best performance, as long as there are no additional costs associated.

Ensure that Azure Cosmos DB costs for IoT-related processing are predictable.

Minimize the number of firewall changes in the retail stores.

Requirements. Product Catalog Requirements

Litware identifies the following requirements for the product catalog:

Implement a custom conflict resolution policy for the product catalog data.

Minimize the frequency of errors during updates of the con-product container.

Once multi-region writes are configured, maximize the performance of App1 queries against the data in account1.

Trigger the execution of two Azure functions following every update to any document in the con-product container.

## 問題 #146

You have an Azure Cosmos DB Core (SQL) API account that is configured for multi-region writes. The account contains a database that has two containers named container1 and container2.

The following is a sample of a document in container1:

```
{
  "customerId": 1234,
  "firstName": "John",
  "lastName": "Smith",
```

```
"policyYear": 2021
}
```

The following is a sample of a document in container2:

```
{
  "gpsId": 1234,
  "latitude": 38.8951,
  "longitude": -77.0364
}
```

You need to configure conflict resolution to meet the following requirements:

For container1 you must resolve conflicts by using the highest value for policyYear.

For container2 you must resolve conflicts by accepting the distance closest to latitude: 40.730610 and longitude: -73.935242.

Administrative effort must be minimized to implement the solution.

What should you configure for each container? To answer, drag the appropriate configurations to the correct containers. Each configuration 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.

**Configurations**

- Last Write Wins (default) mode
- Merge Procedures (custom) mode
- An application that reads from the conflicts feed

**Answer Area**

Container1:

Container2:

答案:

解題說明:

**Configurations**

- Last Write Wins (default) mode
- Merge Procedures (custom) mode
- An application that reads from the conflicts feed

**Answer Area**

Container1: Last Write Wins (default) mode

Container2: Merge Procedures (custom) mode

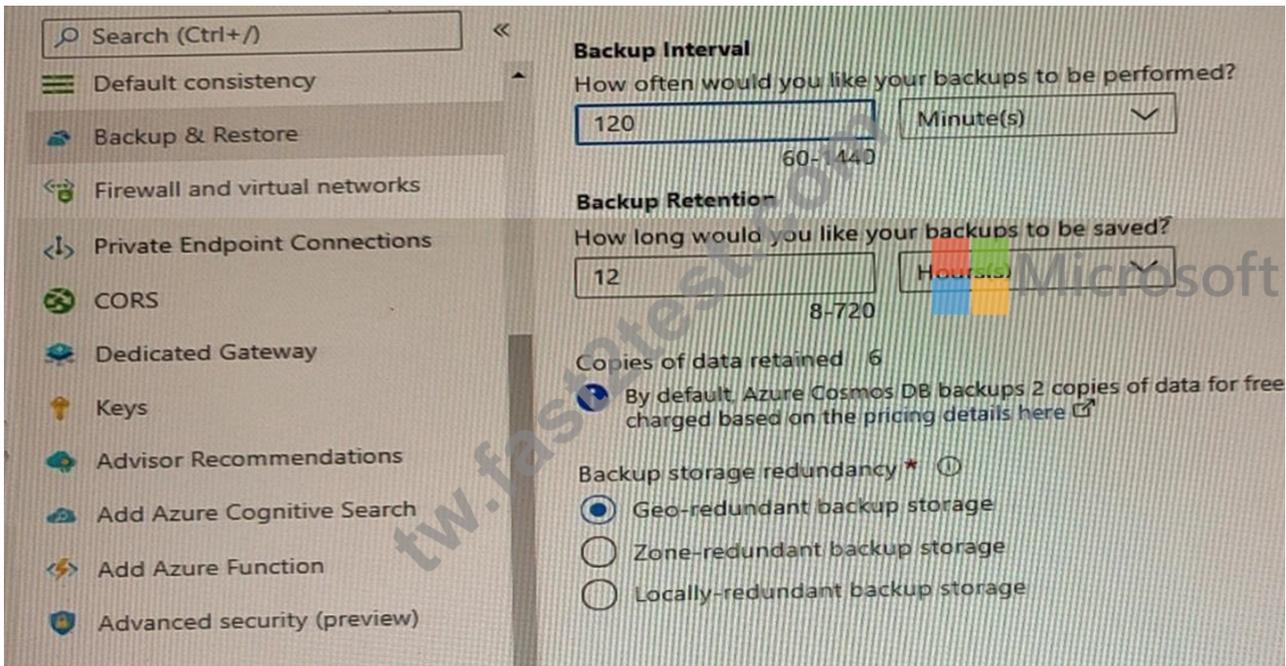
Reference:

<https://docs.microsoft.com/en-us/azure/cosmos-db/conflict-resolution-policies>

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

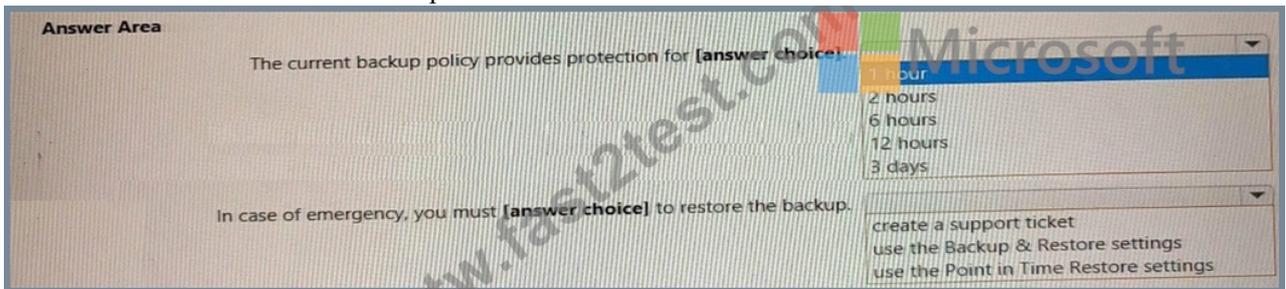
#### 問題 #147

You configure a backup for an Azure Cosmos DB for NoSQL account as shown in the following exhibit.



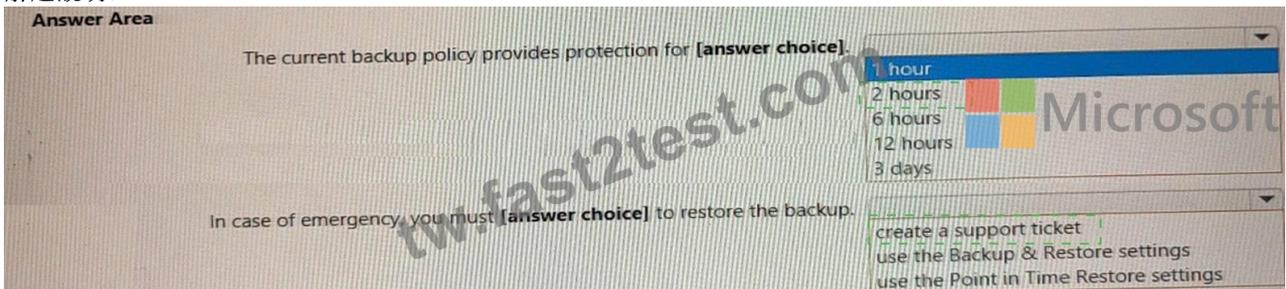
Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.



答案：

解題說明：



Explanation

Box 1 = The current backup policy provides protection for: 2 Hours Azure Cosmos DB automatically takes backups of your data at regular intervals. The backup interval and the retention period can be configured from the Azure portal. You can also choose between two backup modes: periodic backup mode and continuous backup mode. Periodic backup mode is the default mode for all existing accounts and it takes a full backup of your database every 4 hours by default. Continuous backup mode is a new mode that allows you to restore to any point of time within either 7 or 30 days.

For your scenario, based on the exhibit, you have configured a backup for an Azure Cosmos DB for NoSQL account using the periodic backup mode with a backup interval of 1 hour and a retention period of 2 hours.

This means that Azure Cosmos DB will take a full backup of your database every hour and keep only the latest two backups. Therefore, the current backup policy provides protection for 2 hours.

Box 2: In case of emergency, you must (answer choice) to restore the backup = create a support ticket Azure Cosmos DB automatically takes backups of your data at regular intervals. You can configure the backup interval and the retention period from the Azure portal. You can also choose between two backup modes:

periodic backup mode and continuous backup mode. Periodic backup mode is the default mode for all existing accounts and it takes a full backup of your database every 4 hours by default. Continuous backup mode is a new mode that allows you to restore to any

point of time within either 7 or 30 days<sup>1</sup>.

For your scenario, based on the exhibit, you have configured a backup for an Azure Cosmos DB for NoSQL account using the periodic backup mode with a backup interval of 1 hour and a retention period of 2 hours.

This means that Azure Cosmos DB will take a full backup of your database every hour and keep only the latest two backups. In case of emergency, you must create a support ticket to restore the backup. This is the answer to your question.

To restore data from a periodic backup, you need to create a support request with Azure Cosmos DB team and provide the following information:

The name of your Azure Cosmos DB account

The name of the database or container that you want to restore

The date and time (in UTC) that you want to restore from

The name of the target Azure Cosmos DB account where you want to restore the data The name of the target resource group where you want to restore the data The Azure Cosmos DB team will then initiate the restore process and notify you when it is completed<sup>2</sup>.

#### 問題 #148

You have an Apache Spark pool in Azure Synapse Analytics that runs the following Python code in a notebook.

```
dfStream = spark.readStream\
    .format("cosmos.oltp.changeFeed")\
    .option("spark.synapse.linkedService", "contoso-app")\
    .option("spark.cosmos.container", "orders")\
    .option("spark.cosmos.preferredRegions", "westus,eastus")\
    .option("spark.cosmos.changeFeed.startFrom", "Beginning")\
    .option("spark.cosmos.changeFeed.mode", "Incremental")\
    .load()

streamQuery = dfStream\
    .writeStream\
    .format("cosmos.oltp")\
    .option("spark.synapse.linkedService", "contoso-erp")\
    .option("spark.cosmos.container", "orders")\
    .option("checkpointLocation", "/tmp/ordersync/")\
    .outputMode("append")\
    .start()

streamQuery.awaitTermination()
```

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 Area	Statements	Yes	No
	New and updated orders will be added to contoso-erp.orders.	<input type="radio"/>	<input type="radio"/>
	The code performs bulk data ingestion from contoso-app.	<input type="radio"/>	<input type="radio"/>
	Both contoso-app and contoso-erp have Analytical store enabled.	<input type="radio"/>	<input type="radio"/>

答案：

解題說明：

