

Databricks Databricks-Certified-Professional-Data-Engineer學習筆記, Databricks-Certified-Professional-Data-Engineer考古題更新



BONUS!!! 免費下載PDFExamDumps Databricks-Certified-Professional-Data-Engineer考試題庫的完整版: <https://drive.google.com/open?id=1rUpfMGgSOsZ-O1O4YRHjUsrHfOynR2lh>

如果你認為你可以在你的職業生涯中面臨著獨特的挑戰，那麼Databricks的Databricks-Certified-Professional-Data-Engineer考試應該必須通過。一個真正的、全面的瞭解Databricks的Databricks-Certified-Professional-Data-Engineer測試的網站PDFExamDumps，我們獨家線上的Databricks的Databricks-Certified-Professional-Data-Engineer考試的試題及答案，通過考試是很容易的，我們PDFExamDumps保證100%成功，PDFExamDumps是一個準備通過認證的專業公認的領導者，它提供了追求最全面的認證標準行業培訓方式。PDFExamDumps Databricks的Databricks-Certified-Professional-Data-Engineer考古題的試題及答案，你會發現它是目前市場上最徹底最準確及最新的實踐檢驗。當你擁有了PDFExamDumps Databricks的Databricks-Certified-Professional-Data-Engineer的問題及答案，就會讓你有了第一次通過考試的困難和信心。

Databricks 認證的專業資料工程師考試旨在測試候選人在 Databricks 平台上構建、設計和管理數據管道的知識和技能。考試涵蓋了眾多主題，包括數據處理、數據存儲、數據倉庫、數據建模和數據架構等。候選人需要深入理解這些主題，並能夠在實際情況下應用它們。

該考試旨在測試候選人在實際工作環境中使用 Databricks 的能力。候選人需要展示他們設計和實現可擴展、高效、可靠的資料管道的能力。他們還必須能夠解決在資料工程過程中出現的問題並優化性能，以確保管道平穩運行。

>> Databricks Databricks-Certified-Professional-Data-Engineer學習筆記 <<

Databricks Databricks-Certified-Professional-Data-Engineer考古題更新 & Databricks-Certified-Professional-Data-Engineer題庫資訊

即將參加Databricks的Databricks-Certified-Professional-Data-Engineer認證考試的你沒有信心通過考試嗎？不用害怕，因為PDFExamDumps可以提供給你最好的資料。PDFExamDumps的Databricks-Certified-Professional-Data-Engineer考古題是最新最全面的考試資料，一定可以給你通過考試的勇氣與自信。这是经过很多人证明过的事实。

Databricks認證數據工程師認證考試適合有數據工程、數據管理、ETL和數據處理經驗的專業人士和學生。考試的準備可以通過在線培訓課程，如Databricks數據工程認證準備課程，線上Databricks文檔，以及來自已驗證培訓供應商的不同學習材料，如書籍和視頻來進行。

最新的 Databricks Certification Databricks-Certified-Professional-Data-Engineer 免費考試真題 (Q154-Q159):

問題 #154

Assuming that the Databricks CLI has been installed and configured correctly, which Databricks CLI command can be used to upload a custom Python Wheel to object storage mounted with the DBFS for use with a production job?

- A. configure
- B. workspace
- C. fs
- D. jobs
- E. libraries

答案： E

解題說明：

Explanation

The libraries command group allows you to install, uninstall, and list libraries on Databricks clusters. You can use the libraries install command to install a custom Python Wheel on a cluster by specifying the --whl option and the path to the wheel file. For example, you can use the following command to install a custom Python Wheel named mylib-0.1-py3-none-any.whl on a cluster with the id 1234-567890-abcde123:

```
databricks libraries install --cluster-id 1234-567890-abcde123 --whl
dbfs:/mnt/mylib/mylib-0.1-py3-none-any.whl
```

This will upload the custom Python Wheel to the cluster and make it available for use with a production job.

You can also use the libraries uninstall command to uninstall a library from a cluster, and the libraries list command to list the libraries installed on a cluster.

References:

Libraries CLI (legacy): <https://docs.databricks.com/en/archive/dev-tools/cli/libraries-cli.html> Library operations:

<https://docs.databricks.com/en/dev-tools/cli/commands.html#library-operations> Install or update the Databricks CLI:

<https://docs.databricks.com/en/dev-tools/cli/install.html>

問題 #155

A junior data engineer has been asked to develop a streaming data pipeline with a grouped aggregation using DataFramedf. The pipeline needs to calculate the average humidity and average temperature for each non-overlapping five-minute interval. Events are recorded once per minute per device.

Streaming DataFramedfhas the following schema:

"device_id INT, event_time TIMESTAMP, temp FLOAT, humidity FLOAT"

Code block:

```
df.withWatermark("event_time", "10 minutes")
  .groupBy(
      

    "device_id"
  )
  .agg(
    avg("temp").alias("avg_temp"),
    avg("humidity").alias("avg_humidity")
  )
  .writeStream
  .format("delta")
  .saveAsTable("sensor_avg")
```

Choose the response that correctly fills in the blank within the code block to complete this task.

- A. to_interval("event_time", "5 minutes").alias("time")
- B. "event_time"
- C. window("event_time", "5 minutes").alias("time")
- D. window("event_time", "10 minutes").alias("time")
- E. lag("event_time", "10 minutes").alias("time")

答案： C

解題說明：

Explanation

This is the correct answer because the window function is used to group streaming data by time intervals. The window function takes

two arguments: a time column and a window duration. The window duration specifies how long each window is, and must be a multiple of 1 second. In this case, the window duration is "5 minutes", which means each window will cover a non-overlapping five-minute interval. The window function also returns a struct column with two fields: start and end, which represent the start and end time of each window.

The alias function is used to rename the struct column as "time". Verified References: [Databricks Certified Data Engineer Professional], under "Structured Streaming" section; Databricks Documentation, under "WINDOW" section.

問題 #156

The view updates represents an incremental batch of all newly ingested data to be inserted or updated in the customers table.

The following logic is used to process these records.

MERGE INTO customers

USING (

SELECT updates.customer_id as merge_key, updates.*

FROM updates

UNION ALL

SELECT NULL as merge_key, updates.*

FROM updates JOIN customers

ON updates.customer_id = customers.customer_id

WHERE customers.current = true AND updates.address <> customers.address) staged_updates ON customers.customer_id =

mergekey WHEN MATCHED AND customers.current = true AND customers.address <> staged_updates.address THEN

UPDATE SET current = false, end_date = staged_updates.effective_date WHEN NOT MATCHED THEN INSERT

(customer_id, address, current, effective_date, end_date) VALUES (staged_updates.customer_id, staged_updates.address, true, staged_updates.effective_date, null) Which statement describes this implementation?

- A. The customers table is implemented as a Type 2 table; old values are overwritten and new customers are appended.
- **B. The customers table is implemented as a Type 2 table; old values are maintained but marked as no longer current and new values are inserted.**
- C. The customers table is implemented as a Type 0 table; all writes are append only with no changes to existing values.
- D. The customers table is implemented as a Type 1 table; old values are overwritten by new values and no history is maintained.

答案: B

解題說明:

The provided MERGE statement is a classic implementation of a Type 2 SCD in a data warehousing context. In this approach, historical data is preserved by keeping old records (marking them as not current) and adding new records for changes. Specifically, when a match is found and there's a change in the address, the existing record in the customers table is updated to mark it as no longer current (current = false), and an end date is assigned (end_date = staged_updates.effective_date). A new record for the customer is then inserted with the updated information, marked as current. This method ensures that the full history of changes to customer information is maintained in the table, allowing for time-based analysis of customer data.

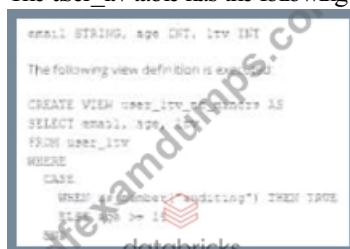
Reference: Databricks documentation on implementing SCDs using Delta Lake and the MERGE statement (<https://docs.databricks.com/delta/delta-update.html#upsert-into-a-table-using-merge>).

問題 #157

A table named user_ltv is being used to create a view that will be used by data analysis on various teams.

Users in the workspace are configured into groups, which are used for setting up data access using ACLs.

The user_ltv table has the following schema:



Analyze who is not a member of the auditing group executing the following query:

```
SELECT * FROM user_ltv_no_audit
```

Which result will be returned by this query?

- A. All age values less than 18 will be returned as null values all other columns will be returned with the values in user_ltv.
- B. All columns will be displayed normally for those records that have an age greater than 17; records not meeting this condition will be omitted.
- C. All records from all columns will be displayed with the values in user_ltv.
- D. All columns will be displayed normally for those records that have an age greater than 18; records not meeting this condition will be omitted.

答案： D

解題說明：

Given the CASE statement in the view definition, the result set for a user not in the auditing group would be constrained by the ELSE condition, which filters out records based on age. Therefore, the view will return all columns normally for records with an age greater than 18, as users who are not in the auditing group will not satisfy the is_member('auditing') condition. Records not meeting the age > 18 condition will not be displayed.

問題 #158

The default threshold of VACUUM is 7 days, internal audit team asked to certain tables to maintain at least 365 days as part of compliance requirement, which of the below setting is needed to implement.

- A. ALTER TABLE table_name set TBLPROPERTIES (delta.deletedFileRetentionDuration='interval 365 days')
- B. ALTER TABLE table_name set EXENDED TBLPROPERTIES (delta.vacuum.duration='interval 365 days')
- C. MODIFY TABLE table_name set TBLPROPERTY (delta.maxRetentionDays = 'interval 365 days')
- D. ALTER TABLE table_name set EXENDED TBLPROPERTIES (delta.deletedFileRetentionDuration='interval 365 days')

答案： A

解題說明：

Explanation

1. ALTER TABLE table_name SET TBLPROPERTIES (property_key [=] property_val [, ...]) TBLPROPERTIES allow you to set key-value pairs Table properties and table options (Databricks SQL) | Databricks on AWS

問題 #159

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