

# Databricks-Certified-Professional-Data-Engineer Originale Fragen & Databricks-Certified-Professional-Data-Engineer Prüfungsfrage



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EchteFrage bietet eine klare und ausgezeichnete Lösung für jeden Databricks Databricks-Certified-Professional-Data-Engineer Prüfungskandidaten. Wir versorgen Sie mit den ausführlichen Databricks Databricks-Certified-Professional-Data-Engineer Prüfungsfragen und Antworten. Unser Team von IT-Experten ist das erfahrenste und qualifizierteste. Unsere Testfragen und Antworten sind fast gleich wie die echte Prüfung. Das ist wirklich großartig. Am wichtigsten ist, dass die Erfolgsquote von EchteFrage die höchste in der Welt ist.

Die Zertifizierungsprüfung deckt eine Reihe von Themen ab, einschließlich Datenaufnahme, Transformation und Speicherung, ETL - Prozessen, Datenmodellierung und maschinelles Lernen. Kandidaten werden auf ihre Fähigkeit getestet, Datenbanken und Technologien zu verwenden, um reale Datenentwicklungsprobleme zu lösen. Die Prüfung bewertet auch das Verständnis des Kandidaten für Best Practices für Datentechnik, einschließlich Sicherheit, Skalierbarkeit und Kostenoptimierung. Durch die Bestimmung der Prüfung "Datenbanken zertifizierte professionelle Dateningenieur" können Kandidaten ihre Kenntnisse in Datenbäumen der Datenbetechnik nachweisen und ihre beruflichen Beschäftigungsaussichten verbessern.

>> **Databricks-Certified-Professional-Data-Engineer Originale Fragen** <<

## Databricks Databricks-Certified-Professional-Data-Engineer Prüfungsfrage & Databricks-Certified-Professional-Data-Engineer Online Praxisprüfung

Die Databricks Databricks-Certified-Professional-Data-Engineer Prüfungsdumps von EchteFrage haben hohe Hit-Rate und helfen den Kadidaten, die Prüfung einmalig zu bestehen. Das kann von vielen Kadidaten bewiesen werden. Deshalb sorgen Sie nicht um die Qualität dieser Databricks Databricks-Certified-Professional-Data-Engineer Prüfungsfragen. Die sind die Prüfungsmaterialien, an denen Sie wirklich glauben können. Wenn Sie nicht glauben, dann probieren Sie persönlich einmal. Damit können Sie an meinen Worten glauben.

## Databricks Certified Professional Data Engineer Exam Databricks-Certified-Professional-Data-Engineer Prüfungsfragen mit Lösungen (Q182-Q187):

### 182. Frage

The following code has been migrated to a Databricks notebook from a legacy workload:

The code executes successfully and provides the logically correct results, however, it takes over 20 minutes to extract and load around 1 GB of data.

Which statement is a possible explanation for this behavior?

- A. %sh does not distribute file moving operations; the final line of code should be updated to use %fs instead.

- B. Instead of cloning, the code should use %sh pip install so that the Python code can get executed in parallel across all nodes in a cluster.
- C. %sh executes shell code on the driver node. The code does not take advantage of the worker nodes or Databricks optimized Spark.
- D. Python will always execute slower than Scala on Databricks. The run.py script should be refactored to Scala.
- E. %sh triggers a cluster restart to collect and install Git. Most of the latency is related to cluster startup time.

**Antwort: C**

Begründung:

<https://www.databricks.com/blog/2020/08/31/introducing-the-databricks-web-terminal.html> The code is using %sh to execute shell code on the driver node. This means that the code is not taking advantage of the worker nodes or Databricks optimized Spark. This is why the code is taking longer to execute. A better approach would be to use Databricks libraries and APIs to read and write data from Git and DBFS, and to leverage the parallelism and performance of Spark. For example, you can use the Databricks Connect feature to run your Python code on a remote Databricks cluster, or you can use the Spark Git Connector to read data from Git repositories as Spark DataFrames.

### 183. Frage

A junior data engineer has manually configured a series of jobs using the Databricks Jobs UI. Upon reviewing their work, the engineer realizes that they are listed as the "Owner" for each job. They attempt to transfer "Owner" privileges to the "DevOps" group, but cannot successfully accomplish this task. Which statement explains what is preventing this privilege transfer?

- A. Only workspace administrators can grant "Owner" privileges to a group.
- B. Other than the default "admins" group, only individual users can be granted privileges on jobs.
- C. The creator of a Databricks job will always have "Owner" privileges; this configuration cannot be changed.
- D. A user can only transfer job ownership to a group if they are also a member of that group.
- E. Databricks jobs must have exactly one owner; "Owner" privileges cannot be assigned to a group.

**Antwort: E**

Begründung:

The reason why the junior data engineer cannot transfer "Owner" privileges to the "DevOps" group is that Databricks jobs must have exactly one owner, and the owner must be an individual user, not a group. A job cannot have more than one owner, and a job cannot have a group as an owner. The owner of a job is the user who created the job, or the user who was assigned the ownership by another user. The owner of a job has the highest level of permission on the job, and can grant or revoke permissions to other users or groups. However, the owner cannot transfer the ownership to a group, only to another user. Therefore, the junior data engineer's attempt to transfer "Owner" privileges to the "DevOps" group is not possible. References:

\* Jobs access control: <https://docs.databricks.com/security/access-control/table-acls/index.html>

\* Job permissions:

<https://docs.databricks.com/security/access-control/table-acls/privileges.html#job-permissions>

### 184. Frage

The security team is exploring whether or not the Databricks secrets module can be leveraged for connecting to an external database.

After testing the code with all Python variables being defined with strings, they upload the password to the secrets module and configure the correct permissions for the currently active user. They then modify their code to the following (leaving all other variables unchanged).

Which statement describes what will happen when the above code is executed?

- A. An interactive input box will appear in the notebook; if the right password is provided, the connection will succeed and the password will be printed in plain text.
- B. The connection to the external table will succeed; the string value of password will be printed in plain text.
- C. The connection to the external table will fail; the string "redacted" will be printed.
- D. An interactive input box will appear in the notebook; if the right password is provided, the connection will succeed and the encoded password will be saved to DBFS.
- E. The connection to the external table will succeed; the string "redacted" will be printed.

**Antwort: E**

Begründung:

This is the correct answer because the code is using the `dbutils.secrets.get` method to retrieve the password from the secrets module and store it in a variable. The secrets module allows users to securely store and access sensitive information such as passwords, tokens, or API keys. The connection to the external table will succeed because the password variable will contain the actual password value. However, when printing the password variable, the string "redacted" will be displayed instead of the plain text password, as a security measure to prevent exposing sensitive information in notebooks. Verified Reference: [Databricks Certified Data Engineer Professional], under "Security & Governance" section; Databricks Documentation, under "Secrets" section.

### 185. Frage

How do you check the location of an existing schema in Delta Lake?

- A. Run SQL command `DESCRIBE SCHEMA EXTENDED schema_name`  
E Schemas are internally in-store external hive meta stores like MySQL or SQL Server
- B. Run SQL command `SHOW LOCATION schema_name`
- C. Use Data explorer
- D. Check unity catalog UI

Antwort: A

Begründung:

Explanation

Here is an example of how it looks

Graphical user interface, text, application, email Description automatically generated

□

### 186. Frage

The data engineering team maintains a table of aggregate statistics through batch nightly updates. This includes total sales for the previous day alongside totals and averages for a variety of time periods including the 7 previous days, year-to-date, and quarter-to-date. This table is named `store_sales_summary` and the schema is as follows:

□ The table `daily_store_sales` contains all the information needed to update `store_sales_summary`. The schema for this table is: `store_id INT, sales_date DATE, total_sales FLOAT`

If `daily_store_sales` is implemented as a Type 1 table and the `total_sales` column might be adjusted after manual data auditing, which approach is the safest to generate accurate reports in the `store_sales_summary` table?

- A. Implement the appropriate aggregate logic as a batch read against the `daily_store_sales` table and overwrite the `store_sales_summary` table with each Update.
- B. Implement the appropriate aggregate logic as a Structured Streaming read against the `daily_store_sales` table and use upsert logic to update results in the `store_sales_summary` table.
- C. Implement the appropriate aggregate logic as a batch read against the `daily_store_sales` table and append new rows nightly to the `store_sales_summary` table.
- D. Use Structured Streaming to subscribe to the change data feed for `daily_store_sales` and apply changes to the aggregates in the `store_sales_summary` table with each update.
- E. Implement the appropriate aggregate logic as a batch read against the `daily_store_sales` table and use upsert logic to update results in the `store_sales_summary` table.

Antwort: D

Begründung:

The `daily_store_sales` table contains all the information needed to update `store_sales_summary`. The schema of the table is: `store_id INT, sales_date DATE, total_sales FLOAT`

The `daily_store_sales` table is implemented as a Type 1 table, which means that old values are overwritten by new values and no history is maintained. The `total_sales` column might be adjusted after manual data auditing, which means that the data in the table may change over time.

The safest approach to generate accurate reports in the `store_sales_summary` table is to use Structured Streaming to subscribe to the change data feed for `daily_store_sales` and apply changes to the aggregates in the `store_sales_summary` table with each update. Structured Streaming is a scalable and fault-tolerant stream processing engine built on Spark SQL. Structured Streaming allows processing data streams as if they were tables or DataFrames, using familiar operations such as `select`, `filter`, `groupBy`, or `join`. Structured Streaming also supports output modes that specify how to write the results of a streaming query to a sink, such as `append`, `update`, or `complete`. Structured Streaming can handle both streaming and batch data sources in a unified manner.

The change data feed is a feature of Delta Lake that provides structured streaming sources that can subscribe to changes made to a Delta Lake table. The change data feed captures both data changes and schema changes as ordered events that can be processed by downstream applications or services. The change data feed can be configured with different options, such as starting from a specific version or timestamp, filtering by operation type or partition values, or excluding no-op changes.

By using Structured Streaming to subscribe to the change data feed for daily\_store\_sales, one can capture and process any changes made to the total\_sales column due to manual data auditing. By applying these changes to the aggregates in the store\_sales\_summary table with each update, one can ensure that the reports are always consistent and accurate with the latest data. Verified References: [Databricks Certified Data Engineer Professional], under "Spark Core" section; Databricks Documentation, under "Structured Streaming" section; Databricks Documentation, under "Delta Change Data Feed" section.

## 187. Frage

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EchteFrage bieten Ihnen eine klare und ausgezeichnete Wahl und hilft Ihnen, Ihre Sorgen zu reduzieren. Möchten Sie einen frühen Erfolg? Möchten Sie Databricks Databricks-Certified-Professional-Data-Engineer Zertifikat schnell zu erhalten? Beeilen Sie sich, Databricks Databricks-Certified-Professional-Data-Engineer Prüfungsunterlagen von EchteFrage in Ihren Einkaufswagen hinzuzufügen. EchteFrage gibt Ihnen eine gute Anleitung, um sicherzustellen, dass Sie die Databricks Databricks-Certified-Professional-Data-Engineer Prüfung bestehen können. Mit EchteFrage können Sie ganz schnell das gewünschte Zertifikat bekommen.

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