

Databricks Databricks-Certified-Data-Engineer-Associate PDF Questions [2025] To Gain Brilliant Result



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The Databricks Databricks-Certified-Data-Engineer-Associate Exam consists of 60 multiple-choice questions and is designed to test your understanding of Databricks concepts, including data engineering, data processing, data storage, and data analysis. To pass the exam, you must score at least 70%. Databricks-Certified-Data-Engineer-Associate exam can be taken online and is available in several languages, including English, Spanish, and Chinese. Upon passing the exam, you will receive a Databricks Certified Data Engineer Associate certification, which is recognized globally as a mark of expertise in big data processing using Databricks.

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The GAQM Databricks-Certified-Data-Engineer-Associate (Databricks Certified Data Engineer Associate) Exam is a professional certification exam designed to measure the knowledge, skills, and abilities of data engineers who work with Databricks. Databricks is a cloud-based big data processing and analytics platform that is used by organizations of all sizes to manage large volumes of data and gain valuable insights. Databricks-Certified-Data-Engineer-Associate Exam is intended for data engineers who are responsible for designing, building, and maintaining data pipelines, data lakes, and data warehouses using Databricks.

Databricks Certified Data Engineer Associate Exam Sample Questions (Q71-Q76):

NEW QUESTION # 71

A dataset has been defined using Delta Live Tables and includes an expectations clause:

```
CONSTRAINT valid_timestamp EXPECT (timestamp > '2020-01-01') ON VIOLATION DROP ROW
```

What is the expected behavior when a batch of data containing data that violates these constraints is processed?

- A. Records that violate the expectation are dropped from the target dataset and recorded as invalid in the event log.
- B. Records that violate the expectation cause the job to fail.
- C. Records that violate the expectation are dropped from the target dataset and loaded into a quarantine table.
- D. Records that violate the expectation are added to the target dataset and recorded as invalid in the event log.
- E. Records that violate the expectation are added to the target dataset and flagged as invalid in a field added to the target dataset.

Answer: A

Explanation:

Delta Live Tables expectations are optional clauses that apply data quality checks on each record passing through a query. An expectation consists of a description, a boolean statement, and an action to take when a record fails the expectation. The ON VIOLATION clause specifies the action to take, which can be one of the following: warn, drop, or fail. The drop action means that invalid records are dropped from the target dataset before data is written to the target. The failure is reported as a metric for the dataset, which can be viewed by querying the Delta Live Tables event log. The event log contains information such as the number of records that violate an expectation, the number of records dropped, and the number of records written to the target dataset.

Reference:

Manage data quality with Delta Live Tables

Monitor Delta Live Tables pipelines

Delta Live Tables SQL language reference

NEW QUESTION # 72

Which of the following describes the storage organization of a Delta table?

- A. Delta tables are stored in a collection of files that contain only the data stored within the table.
- B. Delta tables are stored in a collection of files that contain data, history, metadata, and other attributes.
- C. Delta tables are stored in a single file that contains data, history, metadata, and other attributes.
- D. Delta tables store their data in a single file and all metadata in a collection of files in a separate location.
- E. Delta tables are stored in a single file that contains only the data stored within the table.

Answer: B

Explanation:

Delta Lake is the optimized storage layer that provides the foundation for storing data and tables in the Databricks lakehouse. Delta Lake is open source software that extends Parquet data files with a file-based transaction log for ACID transactions and scalable metadata handling¹. Delta Lake stores its data and metadata in a collection of files in a directory on a cloud storage system, such as AWS S3 or Azure Data Lake Storage². Each Delta table has a transaction log that records the history of operations performed on the table, such as insert, update, delete, merge, etc. The transaction log also stores the schema and partitioning information of the table². The transaction log enables Delta Lake to provide ACID guarantees, time travel, schema enforcement, and other features¹.

References:

* What is Delta Lake? | Databricks on AWS

* Quickstart - Delta Lake Documentation

NEW QUESTION # 73

In which of the following scenarios should a data engineer use the MERGE INTO command instead of the INSERT INTO command?

- A. When the source is not a Delta table
- B. When the target table is an external table
- C. When the location of the data needs to be changed
- D. When the source table can be deleted
- E. When the target table cannot contain duplicate records

Answer: E

Explanation:

The MERGE INTO command is used to perform upserts, which are a combination of insertions and updates, based on a source table into a target Delta table¹. The MERGE INTO command can handle scenarios where the target table cannot contain duplicate records, such as when there is a primary key or a unique constraint on the target table. The MERGE INTO command can match the

source and target rows based on a merge condition and perform different actions depending on whether the rows are matched or not. For example, the MERGE INTO command can update the existing target rows with the new source values, insert the new source rows that do not exist in the target table, or delete the target rows that do not exist in the source table¹.

The INSERT INTO command is used to append new rows to an existing table or create a new table from a query result². The INSERT INTO command does not perform any updates or deletions on the existing target table rows. The INSERT INTO command can handle scenarios where the location of the data needs to be changed, such as when the data needs to be moved from one table to another, or when the data needs to be partitioned by a certain column². The INSERT INTO command can also handle scenarios where the target table is an external table, such as when the data is stored in an external storage system like Amazon S3 or Azure Blob Storage³. The INSERT INTO command can also handle scenarios where the source table can be deleted, such as when the source table is a temporary table or a view⁴. The INSERT INTO command can also handle scenarios where the source is not a Delta table, such as when the source is a Parquet, CSV, JSON, or Avro file⁵.

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1: MERGE INTO | Databricks on AWS

2: [INSERT INTO | Databricks on AWS]

3: [External tables | Databricks on AWS]

4: [Temporary views | Databricks on AWS]

5: [Data sources | Databricks on AWS]

NEW QUESTION # 74

Which of the following is hosted completely in the control plane of the classic Databricks architecture?

- A. Databricks web application
- B. Databricks Filesystem
- C. Worker node
- D. Driver node
- E. JDBC data source

Answer: A

Explanation:

The Databricks web application is the user interface that allows you to create and manage workspaces, clusters, notebooks, jobs, and other resources. It is hosted completely in the control plane of the classic Databricks architecture, which includes the backend services that Databricks manages in your Databricks account. The other options are part of the compute plane, which is where your data is processed by compute resources such as clusters. The compute plane is in your own cloud account and network.

References: Databricks architecture overview, Security and Trust Center

NEW QUESTION # 75

Which of the following commands can be used to write data into a Delta table while avoiding the writing of duplicate records?

- A. IGNORE
- B. INSERT
- C. APPEND
- D. DROP
- E. MERGE

Answer: E

NEW QUESTION # 76

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