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## **Sample Databricks-Certified-Professional-Data-Engineer Exam & Databricks-Certified-Professional-Data-Engineer Reliable Exam Pdf**

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The Databricks Databricks-Certified-Professional-Data-Engineer Exam is designed to test the candidate's ability to work with Databricks in a real-world setting. Candidates are required to demonstrate their ability to design and implement data pipelines that are scalable, efficient, and reliable. They must also be able to troubleshoot issues that arise during the data engineering process and optimize performance to ensure that pipelines run smoothly.

Databricks Certified Professional Data Engineer certification is highly valued by organizations that use the Databricks platform for their data processing and analytics needs. By earning this certification, data engineers can demonstrate their expertise and proficiency in using the Databricks platform to design and implement complex data projects. Databricks Certified Professional Data Engineer Exam certification can also help data engineers advance their careers and increase their earning potential, as it is recognized and respected by employers in the data engineering field.

## Databricks Certified Professional Data Engineer Exam Sample Questions (Q180-Q185):

### NEW QUESTION # 180

What is the purpose of the silver layer in a Multi hop architecture?

- A. Efficient storage and querying of full, unprocessed history of data
- B. Optimized query performance for business-critical data
- C. Refined views with aggregated data
- D. Eliminates duplicate data, quarantines bad data
- E. Replaces a traditional data lake

**Answer: D**

Explanation:

Explanation

Medallion Architecture - Databricks

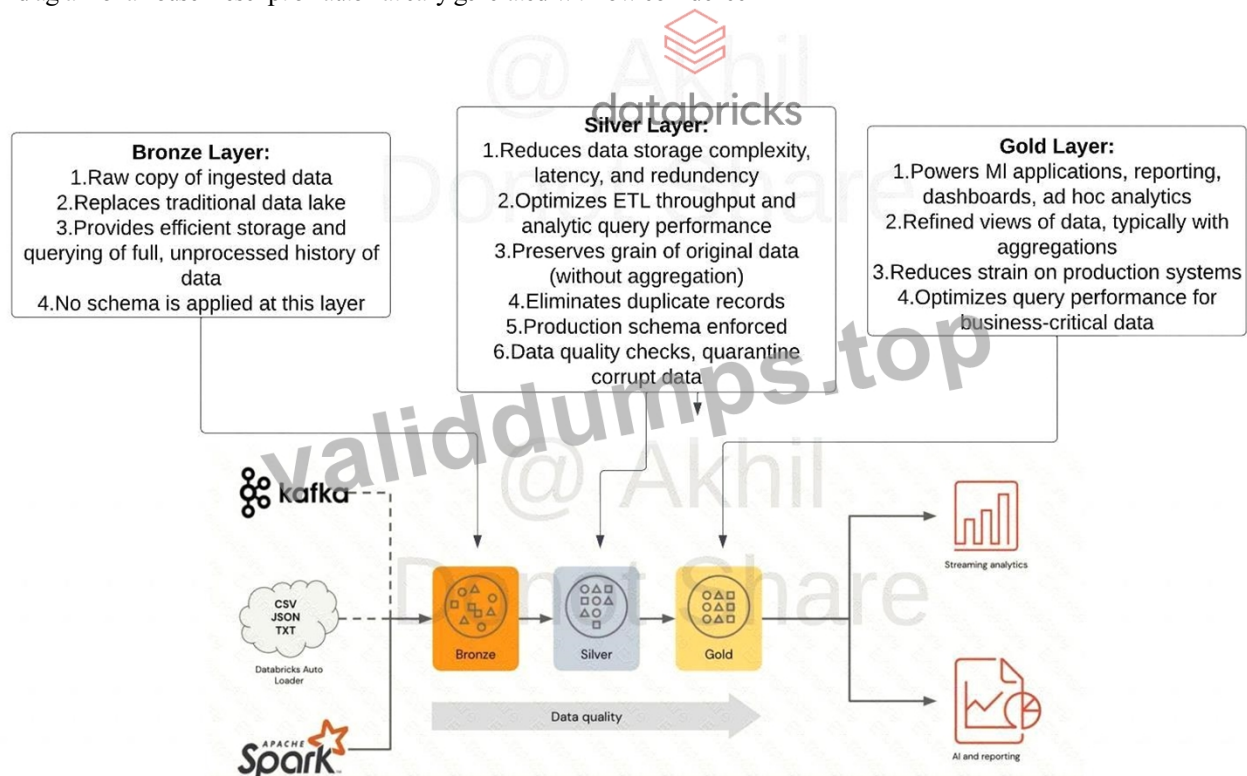
Silver Layer:

1. Reduces data storage complexity, latency, and redundancy
2. Optimizes ETL throughput and analytic query performance
3. Preserves grain of original data (without aggregation)
4. Eliminates duplicate records
5. production schema enforced
6. Data quality checks, quarantine corrupt data

Exam focus: Please review the below image and understand the role of each layer(bronze, silver, gold) in medallion architecture, you will see varying questions targeting each layer and its purpose.

Sorry I had to add the watermark some people in Udemy are copying my content.

A diagram of a house Description automatically generated with low confidence



### NEW QUESTION # 181

You have written a notebook to generate a summary data set for reporting. Notebook was scheduled using the job cluster, but you realized it takes an average of 8 minutes to start the cluster, what feature can be used to start the cluster in a timely fashion?

- A. Pin the cluster in the cluster UI page so it is always available to the jobs

- B. Use Databricks Premium edition instead of Databricks standard edition
- C. Setup an additional job to run ahead of the actual job so the cluster is running second job starts
- D. Disable auto termination so the cluster is always running
- E. Use the Databricks cluster pools feature to reduce the startup time

**Answer: E**

Explanation:

Explanation

Cluster pools allow us to reserve VM's ahead of time, when a new job cluster is created VM are grabbed from the pool. Note: when the VM's are waiting to be used by the cluster only cost incurred is Azure. Databricks run time cost is only billed once VM is allocated to a cluster.

Here is a demo of how to setup and follow some best practices,

[https://www.youtube.com/watch?v=FVtITxOabxg&ab\\_channel=DatabricksAcademy](https://www.youtube.com/watch?v=FVtITxOabxg&ab_channel=DatabricksAcademy)

### NEW QUESTION # 182

A junior data engineer seeks to leverage Delta Lake's Change Data Feed functionality to create a Type 1 table representing all of the values that have ever been valid for all rows in a bronze table created with the property `delta.enableChangeDataFeed = true`. They plan to execute the following code as a daily job:

```
from pyspark.sql.functions import col

(spark.read.format("delta")
 .option("readChangeFeed", "true")
 .option("startingVersion", 0)
 .table("bronze")
 .filter(col("_change_type").isin(["update_postimage", "insert"]))
 .write
 .mode("append")
 .table("bronze_history_type1")
 )
```

Which statement describes the execution and results of running the above query multiple times?

- A. Each time the job is executed, only those records that have been inserted or updated since the last execution will be appended to the target table giving the desired result.
- B. Each time the job is executed, newly updated records will be merged into the target table, overwriting previous values with the same primary keys.
- C. Each time the job is executed, the entire available history of inserted or updated records will be appended to the target table, resulting in many duplicate entries.
- D. Each time the job is executed, the target table will be overwritten using the entire history of inserted or updated records, giving the desired result.
- E. Each time the job is executed, the differences between the original and current versions are calculated; this may result in duplicate entries for some records.

**Answer: C**

Explanation:

Reading table's changes, captured by CDF, using `spark.read` means that you are reading them as a static source. So, each time you run the query, all table's changes (starting from the specified `startingVersion`) will be read.

### NEW QUESTION # 183

A data engineer is designing a system to process batch patient encounter data stored in an S3 bucket, creating a Delta table (`patient_encounters`) with columns `encounter_id`, `patient_id`, `encounter_date`, `diagnosis_code`, and `treatment_cost`. The table is queried frequently by `patient_id` and `encounter_date`, requiring fast performance. Fine-grained access controls must be enforced. The engineer wants to minimize maintenance and boost performance.

How should the data engineer create the patient\_encounters table?

- **A. Create a managed table in Unity Catalog. Configure Unity Catalog permissions for access controls, and rely on predictive optimization to enhance query performance and simplify maintenance.**
- B. Create an external table in Unity Catalog, specifying an S3 location for the data files. Enable predictive optimization through table properties, and configure Unity Catalog permissions for access controls.
- C. Create a managed table in Unity Catalog. Configure Unity Catalog permissions for access controls, schedule jobs to run OPTIMIZE and VACUUM commands daily to achieve best performance.
- D. Create a managed table in Hive Metastore. Configure Hive Metastore permissions for access controls, and rely on predictive optimization to enhance query performance and simplify maintenance.

**Answer: A**

Explanation:

Comprehensive and Detailed Explanation From Exact Extract of Databricks Data Engineer Documents:

Databricks documentation specifies that Unity Catalog managed tables are the preferred choice for secure, low-maintenance Delta Lake architectures. Managed tables provide full lifecycle management, including metadata, file storage, and access control integration with Unity Catalog. Fine-grained permissions can be enforced at the column and row level through built-in Unity Catalog governance.

Additionally, Predictive Optimization (Auto Optimize + Auto Compaction) automatically manages file sizes, metadata pruning, and layout optimization, eliminating the need for manual maintenance such as scheduling OPTIMIZE or VACUUM.

External tables (A) require manual path management, and Hive Metastore tables (D) do not support Unity Catalog access policies. Therefore, creating a managed Unity Catalog table with predictive optimization provides both the security and performance benefits needed, making B the correct solution.

#### NEW QUESTION # 184

Which of the below SQL commands create a Global temporary view?

- A. 1.CREATE OR REPLACE VIEW view\_name  
2. AS SELECT \* FROM table\_name
- B. 1. CREATE OR REPLACE LOCAL VIEW view\_name  
2. AS SELECT \* FROM table\_name
- C. 1.CREATE OR REPLACE TEMPORARY VIEW view\_name  
2. AS SELECT \* FROM table\_name
- D. 1. CREATE OR REPLACE LOCAL TEMPORARY VIEW view\_name  
2. AS SELECT \* FROM table\_name
- **E. 1. CREATE OR REPLACE GLOBAL TEMPORARY VIEW view\_name  
2. AS SELECT \* FROM table\_name**  
(Correct)

**Answer: E**

Explanation:

Explanation

1. CREATE OR REPLACE GLOBAL TEMPORARY VIEW view\_name
2. AS SELECT \* FROM table\_name

There are two types of temporary views that can be created Local and Global

\*A session-scoped temporary view is only available with a spark session, so another notebook in the same cluster can not access it. if a notebook is detached and reattached local temporary view is lost.

\*A global temporary view is available to all the notebooks in the cluster but if a cluster re-starts a global temporary view is lost.

#### NEW QUESTION # 185

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