

Reliable Databricks-Certified-Professional-Data-Engineer Braindumps Ppt, Exam Databricks-Certified-Professional-Data-Engineer Reference



In recent years, some changes are taking place in this line about the new points are being constantly tested in the Databricks Certified Professional Data Engineer Exam real exam. So our experts highlight the new type of Databricks-Certified-Professional-Data-Engineer questions and add updates into the practice materials, and look for shifts closely when they take place. As to the rapid changes happened in this Databricks-Certified-Professional-Data-Engineer Exam, experts will fix them and we assure your Databricks-Certified-Professional-Data-Engineer exam simulation you are looking at now are the newest version. And we only sell the latest Databricks-Certified-Professional-Data-Engineer exam questions and answers.

Databricks is a cloud-based data engineering platform that allows organizations to process large amounts of data quickly and efficiently. The platform leverages Apache Spark to perform data processing tasks and offers a wide range of tools and services to support data engineering workflows. Databricks also provides certification programs for data professionals who want to demonstrate their expertise in using the platform. One of these certifications is the Databricks Certified Professional Data Engineer exam.

To prepare for the Databricks Certified Professional Data Engineer exam, candidates can take advantage of the resources provided by Databricks. The company offers training courses, certification study guides, and practice exams to help candidates prepare for the exam. These resources provide an overview of the exam topics and offer hands-on experience with the Databricks platform.

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Databricks Certified Professional Data Engineer Exam Sample Questions (Q163-Q168):

NEW QUESTION # 163

A newly joined team member John Smith in the Marketing team currently has access read access to sales tables but does not have access to update the table, which of the following commands help you accomplish this?

- A. `GRANT MODIFY ON TABLE table_name TO john.smith@marketing.com`
- B. `GRANT MODIFY TO TABLE table_name ON john.smith@marketing.com`

- C. GRANT UPDATE ON TABLE table_name TO john.smith@marketing.com
- D. GRANT UPDATE TO TABLE table_name ON john.smith@marketing.com
- E. GRANT USAGE ON TABLE table_name TO john.smith@marketing.com

Answer: A

Explanation:

Explanation

The answer is GRANT MODIFY ON TABLE table_name TO john.smith@marketing.com

<https://docs.microsoft.com/en-us/azure/databricks/security/access-control/table-acks/object-privileges#privileges>

NEW QUESTION # 164

A Spark job is taking longer than expected. Using the Spark UI, a data engineer notes that the Min, Median, and Max Durations for tasks in a particular stage show the minimum and median time to complete a task as roughly the same, but the max duration for a task to be roughly 100 times as long as the minimum.

Which situation is causing increased duration of the overall job?

- A. Task queueing resulting from improper thread pool assignment.
- B. Network latency due to some cluster nodes being in different regions from the source data
- C. Spill resulting from attached volume storage being too small.
- **D. Skew caused by more data being assigned to a subset of spark-partitions.**
- E. Credential validation errors while pulling data from an external system.

Answer: D

Explanation:

This is the correct answer because skew is a common situation that causes increased duration of the overall job. Skew occurs when some partitions have more data than others, resulting in uneven distribution of work among tasks and executors. Skew can be caused by various factors, such as skewed data distribution, improper partitioning strategy, or join operations with skewed keys. Skew can lead to performance issues such as long-running tasks, wasted resources, or even task failures due to memory or disk spills. Verified References:

[Databricks Certified Data Engineer Professional], under "Performance Tuning" section; Databricks Documentation, under "Skew" section.

NEW QUESTION # 165

A small company based in the United States has recently contracted a consulting firm in India to implement several new data engineering pipelines to power artificial intelligence applications. All the company's data is stored in regional cloud storage in the United States.

The workspace administrator at the company is uncertain about where the Databricks workspace used by the contractors should be deployed.

Assuming that all data governance considerations are accounted for, which statement accurately informs this decision?

- A. Databricks notebooks send all executable code from the user's browser to virtual machines over the open internet; whenever possible, choosing a workspace region near the end users is the most secure.
- B. Databricks leverages user workstations as the driver during interactive development; as such, users should always use a workspace deployed in a region they are physically near.
- C. Databricks workspaces do not rely on any regional infrastructure; as such, the decision should be made based upon what is most convenient for the workspace administrator.
- **D. Cross-region reads and writes can incur significant costs and latency; whenever possible, compute should be deployed in the same region the data is stored.**
- E. Databricks runs HDFS on cloud volume storage; as such, cloud virtual machines must be deployed in the region where the data is stored.

Answer: D

Explanation:

This is the correct answer because it accurately informs this decision. The decision is about where the Databricks workspace used by the contractors should be deployed. The contractors are based in India, while all the company's data is stored in regional cloud storage in the United States. When choosing a region for deploying a Databricks workspace, one of the important factors to

consider is the proximity to the data sources and sinks. Cross-region reads and writes can incur significant costs and latency due to network bandwidth and data transfer fees. Therefore, whenever possible, compute should be deployed in the same region the data is stored to optimize performance and reduce costs. Verified References: [Databricks Certified Data Engineer Professional], under "Databricks Workspace" section; Databricks Documentation, under "Choose a region" section.

NEW QUESTION # 166

A Databricks SQL dashboard has been configured to monitor the total number of records present in a collection of Delta Lake tables using the following query pattern:

```
SELECT COUNT (*) FROM table -
```

Which of the following describes how results are generated each time the dashboard is updated?

- A. The total count of rows will be returned from cached results unless REFRESH is run
- B. The total count of records is calculated from the parquet file metadata
- **C. The total count of records is calculated from the Delta transaction logs**
- D. The total count of rows is calculated by scanning all data files
- E. The total count of records is calculated from the Hive metastore

Answer: C

Explanation:

Explanation

<https://delta.io/blog/2023-04-19-faster-aggregations-metadata/#:~:text=You%20can%20get%20the%20number,a>

NEW QUESTION # 167

Create a sales database using the DBFS location 'dbfs:/mnt/delta/databases/sales.db/'

- A. CREATE DATABASE sales LOCATION 'dbfs:/mnt/delta/databases/sales.db/'
- **B. The sales database can only be created in Delta lake**
- C. CREATE DATABASE sales USING LOCATION 'dbfs:/mnt/delta/databases/sales.db/'
- D. CREATE DELTA DATABASE sales LOCATION 'dbfs:/mnt/delta/databases/sales.db/'
- E. CREATE DATABASE sales FORMAT DELTA LOCATION 'dbfs:/mnt/delta/databases/sales.db/'

Answer: B

Explanation:

Explanation

The answer is

```
CREATE DATABASE sales LOCATION 'dbfs:/mnt/delta/databases/sales.db/'
```

Note: with the introduction of the Unity catalog and three-layer namespace usage of SCHEMA and DATABASE is interchangeable

NEW QUESTION # 168

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