

Databricks Databricks-Certified-Professional-Data-Engineer최신업데이트버전덤프공부자료, Databricks-Certified-Professional-Data-Engineer퍼펙트최신덤프문제



참고: Itexamdump에서 Google Drive로 공유하는 무료, 최신 Databricks-Certified-Professional-Data-Engineer 시험 문제집이 있습니다: https://drive.google.com/open?id=1FIxDEMhgsRKFdZnC5f-03oNj_4AIR_cg

Databricks인증 Databricks-Certified-Professional-Data-Engineer 시험덤프공부자료는 Itexamdump제품으로 가시면 자격증 취득이 쉬워집니다. Itexamdump에서 출시한 Databricks인증 Databricks-Certified-Professional-Data-Engineer덤프는 이미 사용한 분들에게 많은 호평을 받아왔습니다. 시험적중율 최고에 많은 공부가 되었다고 희소식을 전해올때마다 Itexamdump는 더욱 완벽한 Databricks인증 Databricks-Certified-Professional-Data-Engineer 시험덤프공부자료로 수정하고 기 위해 최선을 다해왔습니다. 최고품질 Databricks인증 Databricks-Certified-Professional-Data-Engineer덤프공부자료는 Itexamdump에서만 찾아볼수 있습니다.

Itexamdump는 저희 제품을 구매한 분들이 100%통과율을 보장해드리도록 최선을 다하고 있습니다. Itexamdump를 선택한 것은 시험패스와 자격증취득을 예약한 것과 같습니다. Itexamdump의 믿음직한 Databricks인증 Databricks-Certified-Professional-Data-Engineer덤프를 공부해보세요.

>> Databricks Databricks-Certified-Professional-Data-Engineer최신 업데이트버전 덤프공부자료 <<

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Pass4Tes가 제공하는 제품을 사용함으로 여러분은 IT업계하이클래스와 멀지 않았습니다. Pass4Tes가 제공하는 인증시험덤프는 여러분을 Databricks인증 Databricks-Certified-Professional-Data-Engineer 시험을 안전하게 통과는 물론 관련전업지식장악에도 많은 도움이 되며 또한 우리는 일년무료 업뎃서비스를 제공합니다.

최신 Databricks Certification Databricks-Certified-Professional-Data-Engineer 무료샘플문제 (Q90-Q95):

질문 # 90

A Delta Live Table pipeline includes two datasets defined using STREAMING LIVE TABLE.

Three datasets are defined against Delta Lake table sources using LIVE TABLE. The table is configured to run in Development mode using the Triggered Pipeline Mode.

Assuming previously unprocessed data exists and all definitions are valid, what is the expected outcome after clicking Start to update the pipeline?

- A. All datasets will be updated once and the pipeline will shut down. The compute resources will persist to allow for additional testing
- B. All datasets will be updated at set intervals until the pipeline is shut down. The compute resources will

- persist after the pipeline is stopped to allow for additional testing
- C. All datasets will be updated continuously and the pipeline will not shut down. The compute resources will persist with the pipeline
- D. All datasets will be updated at set intervals until the pipeline is shut down. The compute resources will be deployed for the update and terminated when the pipeline is stopped
- E. All datasets will be updated once and the pipeline will shut down. The compute resources will be terminated

정답: A

질문 #91

A DELTA LIVE TABLE pipelines can be scheduled to run in two different modes, what are these two different modes?

- A. Triggered, Continuous
- B. Triggered, Incremental
- C. Once, Continuous
- D. Once, Incremental
- E. Continuous, Incremental

정답: A

설명:

Explanation

The answer is Triggered, Continuous

<https://docs.microsoft.com/en-us/azure/databricks/data-engineering/delta-live-tables/delta-live-tables-concepts#->

*Triggered pipelines update each table with whatever data is currently available and then stop the cluster running the pipeline. Delta Live Tables automatically analyzes the dependencies between your tables and starts by computing those that read from external sources. Tables within the pipeline are updated after their dependent data sources have been updated.

*Continuous pipelines update tables continuously as input data changes. Once an update is started, it continues to run until manually stopped. Continuous pipelines require an always-running cluster but ensure that downstream consumers have the most up-to-date data.

질문 #92

Which one of the following is not a Databricks lakehouse object?

- A. Views
- B. Functions
- C. Catalog
- D. Stored Procedures
- E. Tables
- F. Database/Schemas

정답: D

설명:

Explanation

The answer is, Stored Procedures.

Databricks lakehouse does not support stored procedures.

질문 #93

A table in the Lakehouse named `customer_churn_params` is used in churn prediction by the machine learning team. The table contains information about customers derived from a number of upstream sources. Currently, the data engineering team populates this table nightly by overwriting the table with the current valid values derived from upstream data sources.

The churn prediction model used by the ML team is fairly stable in production. The team is only interested in making predictions on records that have changed in the past 24 hours.

Which approach would simplify the identification of these changed records?

- A. Apply the churn model to all rows in the `customer_churn_params` table, but implement logic to perform an upsert into the

predictions table that ignores rows where predictions have not changed.

- B. Convert the batch job to a Structured Streaming job using the complete output mode; configure a Structured Streaming job to read from the customer_churn_params table and incrementally predict against the churn model.
- C. Calculate the difference between the previous model predictions and the current customer_churn_params on a key identifying unique customers before making new predictions; only make predictions on those customers not in the previous predictions.
- D. Modify the overwrite logic to include a field populated by calling spark.sql.functions.current_timestamp() as data are being written; use this field to identify records written on a particular date.
- E. Replace the current overwrite logic with a merge statement to modify only those records that have changed; write logic to make predictions on the changed records identified by the change data feed.

정답: E

설명:

The approach that would simplify the identification of the changed records is to replace the current overwrite logic with a merge statement to modify only those records that have changed, and write logic to make predictions on the changed records identified by the change data feed. This approach leverages the Delta Lake features of merge and change data feed, which are designed to handle upserts and track row-level changes in a Delta table¹². By using merge, the data engineering team can avoid overwriting the entire table every night, and only update or insert the records that have changed in the source data. By using change data feed, the ML team can easily access the change events that have occurred in the customer_churn_params table, and filter them by operation type (update or insert) and timestamp. This way, they can only make predictions on the records that have changed in the past 24 hours, and avoid re-processing the unchanged records.

The other options are not as simple or efficient as the proposed approach, because:

* Option A would require applying the churn model to all rows in the customer_churn_params table, which would be wasteful and redundant. It would also require implementing logic to perform an upsert into the predictions table, which would be more complex than using the merge statement.

* Option B would require converting the batch job to a Structured Streaming job, which would involve changing the data ingestion and processing logic. It would also require using the complete output mode, which would output the entire result table every time there is a change in the source data, which would be inefficient and costly.

* Option C would require calculating the difference between the previous model predictions and the current customer_churn_params on a key identifying unique customers, which would be computationally expensive and prone to errors. It would also require storing and accessing the previous predictions, which would add extra storage and I/O costs.

* Option D would require modifying the overwrite logic to include a field populated by calling spark.sql.functions.current_timestamp() as data are being written, which would add extra complexity and overhead to the data engineering job. It would also require using this field to identify records written on a particular date, which would be less accurate and reliable than using the change data feed.

References: Merge, Change data feed

질문 # 94

You noticed that a team member started using an all-purpose cluster to develop a notebook and used the same all-purpose cluster to set up a job that can run every 30 mins so they can update underlying tables which are used in a dashboard. What would you recommend for reducing the overall cost of this approach?

- A. Reduce the size of the cluster
- B. Change the cluster all-purpose to job cluster when scheduling the job
- C. Enable auto termination after 30 mins
- D. Reduce the number of nodes and enable auto scale
- E. Change the cluster mode from all-purpose to single-mode

정답: B

설명:

Explanation

While using an all-purpose cluster is ok during development but anytime you don't need to interact with a notebook, especially for a scheduled job it is less expensive to use a job cluster. Using an all-purpose cluster can be twice as expensive as a job cluster.

Please note: The compute cost you pay the cloud provider for the same cluster type and size between an all-purpose cluster and job cluster is the same the only difference is the DBU cost.

The total cost of cluster = Total cost of VM compute(Azure or AWS or GCP) + Cost per DBU The per DBU cost varies between all-purpose and Job Cluster Here is the recent cost estimate from AWS between Jobs Cluster and all-purpose Cluster, for jobs compute its

\$0.15 cents per DBU v\$0.55 cents per DBU for all-purpose
Graphical user interface Description automatically generated

□ How do I check how much the DBU cost for my cluster?

When you click on an exister cluster or when you look at the cluster details you will see this in the top right corner Graphical user interface, text, application, email Description automatically generated

질문 # 95

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