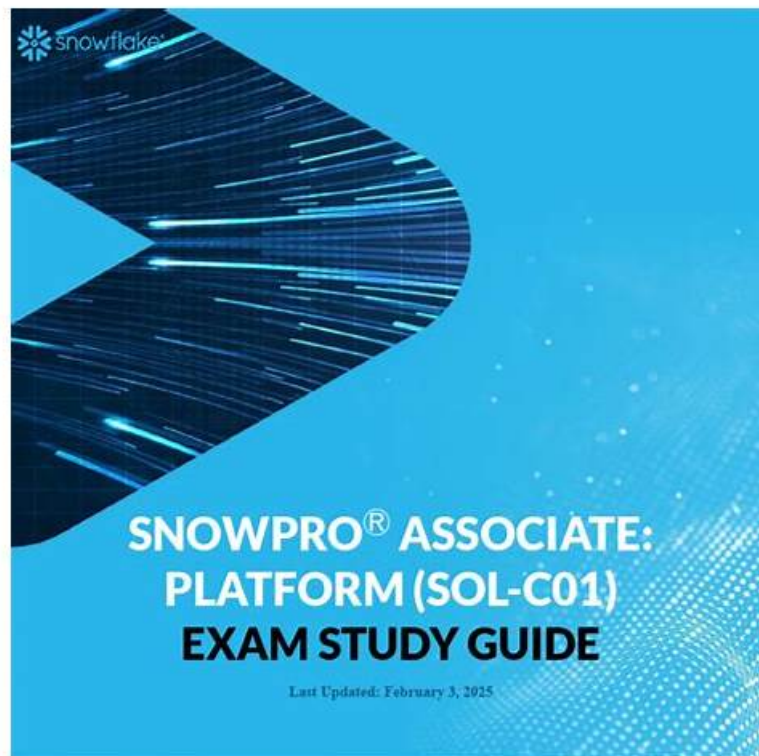


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Snowflake Certified SnowPro Associate - Platform Certification Sample Questions (Q236-Q241):

NEW QUESTION # 236

You are using a virtual warehouse 'X-SMALL' to load data from a large CSV file (50GB) residing in an external stage into a Snowflake table. During the data loading process, you observe that the warehouse is consistently running at 100% utilization, and the loading process is taking an unacceptably long time. Identify the strategies that can improve data loading performance (Multiple Answers Possible).

- A. Partition the Snowflake table based on a relevant column in the CSV file before loading the data.
- B. Split the large CSV file into smaller files and load them in parallel.
- C. Compress the CSV file using gzip or bzip2 before uploading it to the external stage.
- D. Increase the virtual warehouse size to 'MEDIUM' or larger.
- E. Use the 'VALIDATE' function before loading to ensure data quality, which will speed up the loading process.

Answer: B,C,D

Explanation:

Increasing the warehouse size (Option A) provides more compute resources for the data loading process, leading to faster performance. Splitting the large CSV file into smaller files (Option B) allows Snowflake to load the data in parallel, leveraging the distributed architecture. Compressing the CSV file (Option E) reduces the amount of data that needs to be transferred from the external stage, resulting in faster load times. 'VALIDATE' function checks data quality but doesn't improve loading speed (Option C). Partitioning before loading is not a valid operation; it can be done after loading if needed based on query patterns (Option D).

NEW QUESTION # 237

A Snowflake administrator wants to ensure that a specific virtual warehouse used for data loading is only accessible by users with the 'DATA LOADER' role. Which of the following SQL commands is the MOST secure and effective way to achieve this, preventing unauthorized users from using the warehouse?

- A.

```
GRANT ALL PRIVILEGES ON WAREHOUSE SIZE_T000 MW TO ROLE data_loader;
```
- B.

```
GRANT USAGE ON WAREHOUSE SIZE_T000 MW TO ROLE data_loader;
```
- C.

```
ALTER WAREHOUSE SIZE_T000 MW SET WAREHOUSE_TYPE = 'RESTRICTED'; GRANT USAGE ON WAREHOUSE SIZE_T000 MW TO ROLE data_loader;
```
- D.

```
GRANT OPERATE ON WAREHOUSE SIZE_T000 MW TO ROLE data_loader;
```
- E.

```
REVOKE ALL PRIVILEGES ON WAREHOUSE SIZE_T000 MW FROM ROLE data_loader;
```

Answer: B

Explanation:

The 'GRANT USAGE ON WAREHOUSE' command grants the specified role the privilege to use the warehouse for executing queries and loading data. 'OPERATE' (B) is not a valid privilege for warehouses. 'ALL PRIVILEGES' (C) is too broad and grants unnecessary permissions. There is no 'WAREHOUSE_TYPE = 'RESTRICTED'' option, so (D) is incorrect. Changing the 'OWNER' (E) is not best practice for managing user access rights; is the correct privilege to grant.

NEW QUESTION # 238

A data engineer is tasked with creating a new database called 'SALES DATA' within a Snowflake account. They want to ensure that only users with the 'ACCOUNTADMIN' role or a custom role 'SALES ADMIN' can manage the database's overall configuration. Which of the following steps are necessary to achieve this? (Choose all that apply)

- A. The 'ACCOUNTADMIN' role already has sufficient privileges; no additional grants are needed for it.
- B. Grant the 'MODIFY' privilege on the DATABASE object to the 'SALES_ADMIN' role.
- C. Grant the 'USAGE' privilege on the 'DATABASE' object to the 'SALES ADMIN' role.
- D. Grant the 'OWNERSHIP' privilege on the 'SALES_DATA' database to the 'SALES_ADMIN' role.
- E. Grant the 'CREATE SCHEMA' privilege on the 'SALES DATA' database to the 'SALES_ADMIN' role.

Answer: A,D

Explanation:

The 'OWNERSHIP' privilege grants the 'SALES ADMIN' role full control over the 'SALES DATA' database, including configuration. ACCOUNTADMIN inherently has ownership over all objects and requires no additional grants. 'CREATE SCHEMA' is for creating schemas within the database, 'MODIFY' is not a valid privilege on 'DATABASE' object, and 'USAGE' allows access but not management of the database object itself.

NEW QUESTION # 239

A data engineer is loading data into Snowflake from an external stage. They need to transform data during the load process. Which of the following is the MOST efficient and recommended approach for performing this transformation in Snowflake?

- A. Use a Stored Procedure to read the data from the stage, transform it, and then insert it into the target table.
- B. Use Snowpipe with a transformation script running on a separate compute instance.
- **C. Use a COPY INTO statement with a SELECT statement that performs the transformations.**
- D. Download the data from the stage, transform it using a Python script, and then upload it into Snowflake using the Snowflake connector.
- E. Create a View that transforms the data after loading it into a staging table.

Answer: C

Explanation:

The COPY INTO statement with a SELECT statement provides the most efficient and recommended way to transform data during the load process. It leverages Snowflake's compute engine for transformations, avoiding the overhead of external scripts or stored procedures for simple transformations. Using views would transform the data on read, not during load.

NEW QUESTION # 240

You are tasked with loading data from a Parquet file into a Snowflake table. The Parquet file contains a column with a timestamp datatype. However, the timestamp values are being incorrectly loaded into Snowflake due to a mismatch in the expected timestamp format. Which approach should you take to address this issue?

- A. Set the 'TIME_ZONE' parameter at the session level before running the 'COPY INTO*' command.
- B. Create a view on top of the Parquet file and apply a 'TO_TIMESTAMP' function with the correct format.
- **C. Use the 'TIMESTAMP_FORMAT' option within the 'COPY INTO' command with the appropriate format string.**
- D. Modify the Parquet file to align with the default Snowflake timestamp format.
- E. Update the Snowflake table column datatype to TEXT and then CAST the values.

Answer: C

Explanation:

Option B is the most direct and efficient way to handle timestamp format discrepancies. By specifying the 'TIMESTAMP_FORMAT' option within the 'COPY INTO' command, you can instruct Snowflake to parse the timestamp values in the Parquet file using the correct format string.

Option A is less practical as modifying the Parquet file might not always be feasible. Option C is also incorrect because Parquet files cannot be created on views. Option D addresses time zone issues, not format discrepancies. Option E will load them as text, which is not desirable.

NEW QUESTION # 241

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