

# Free PDF Quiz Snowflake - SOL-C01 - Unparalleled Examcollection Snowflake Certified SnowPro Associate - Platform Certification Dumps



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## Snowflake SOL-C01 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>• Data Protection and Data Sharing: This domain addresses continuous data protection through Time Travel and cloning, plus data collaboration capabilities via Snowflake Marketplace and private Data Exchange sharing.</li></ul>
Topic 2	<ul style="list-style-type: none"><li>• Interacting with Snowflake and the Architecture: This domain covers Snowflake's elastic architecture, key user interfaces like Snowsight and Notebooks, and the object hierarchy including databases, schemas, tables, and views with practical navigation and code execution skills.</li></ul>
Topic 3	<ul style="list-style-type: none"><li>• Data Loading and Virtual Warehouses: This domain covers loading structured, semi-structured, and unstructured data using stages and various methods, virtual warehouse configurations and scaling strategies, and Snowflake Cortex LLM functions for AI-powered operations.</li></ul>
Topic 4	<ul style="list-style-type: none"><li>• Identity and Data Access Management: This domain focuses on Role-Based Access Control (RBAC) including role hierarchies and privileges, along with basic database administration tasks like creating objects, transferring ownership, and executing fundamental SQL commands.</li></ul>

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## Snowflake Certified SnowPro Associate - Platform Certification Sample Questions (Q103-Q108):

### NEW QUESTION # 103

A Snowflake table 'CUSTOMER DATA' contains Personally Identifiable Information (PII). You need to mask the 'EMAIL' column for users with the 'ANALYST' role, while allowing users with the 'DATA SCIENTIST' role to view the unmasked data. Assuming both roles already exist, which of the following Snowflake features, in combination, would BEST accomplish this?

- A. Dynamic Data Masking and Column-Level Security.
- B. Dynamic Data Masking and Row-Level Security.
- C. External Tables and Secure Views.
- D. Data Encryption and Network Policies.
- E. Transient Tables and User-Defined Functions.

**Answer: A**

Explanation:

Dynamic Data Masking is the primary feature for masking sensitive data. Combining it with Column-Level Security (granted via roles) allows you to selectively mask the 'EMAIL' column based on the user's role. Row-Level Security filters rows, not columns. External Tables, Secure Views, Data Encryption, Network Policies, Transient Tables, and UDFs are not directly relevant to this specific masking requirement.

### NEW QUESTION # 104

What are the three key layers of Snowflake's architecture?

- A. Database Storage, ODBC Drivers, Virtual Warehouses
- B. Data Storage, Query Processing, Cloud Services
- C. Data Repository, Compute Clusters, Metadata Management
- D. Authentication, Access Control, Cloud Services

**Answer: B**

Explanation:

Snowflake's architecture is built on three primary layers that separate and optimize storage, compute, and services. The Data Storage layer stores all structured and semi-structured data in Snowflake's optimized, compressed columnar format. Snowflake manages file organization, metadata, and optimizations automatically, ensuring efficient storage management. The Query Processing layer is implemented through virtual warehouses that independently execute queries using MPP (massively parallel processing) compute clusters. These warehouses scale elastically based on workload requirements. The Cloud Services layer manages metadata, authentication, access control, query optimization, and infrastructure orchestration. This separation allows independent scaling of compute and storage, optimizing performance while simplifying administration.

### NEW QUESTION # 105

A Snowflake data engineer is tasked with optimizing the performance of daily data loads into a fact table named 'SALES FACT'. The data is loaded from multiple CSV files stored in an AWS S3 bucket. The data engineer observes that the data loading process is slow, even though the virtual warehouse is adequately sized. Analyzing the COPY INTO command, they notice that data loading happens in single thread even though multiple files are staged. Which of the following techniques, or combination of techniques, would be MOST effective in parallelizing the data load and improving the overall loading performance?

- A. Partition the 'SALES FACT' table by a relevant date column and then use the 'ON ERROR = CONTINUE' option in the COPY INTO statement to skip rows with errors related to partitioning.
- B. B and C are both correct
- C. Ensure that the CSV files are split into smaller files (e.g., 10-100MB each). Snowflake automatically parallelizes data loading across multiple files. Configure an auto scaling policy for virtual warehouse.
- D. Use Snowpipe with auto-ingest enabled to continuously load data as new files arrive in the S3 bucket.
- E. Increase the size of the virtual warehouse to the largest available size (e.g., X-Large or higher).

This will automatically parallelize the data loading process.

**Answer: C**

Explanation:

Snowflake automatically parallelizes data loading across multiple files. Smaller files allow Snowflake to distribute the workload across multiple nodes in the virtual warehouse, thus improving performance. Increasing the warehouse size (Option A) may help to some extent but is not the primary driver of parallelization. Snowpipe (Option C) is a good option for continuous data loading but not directly related to parallelizing a COPY INTO command. Partitioning the table (Option D) is a good practice for query performance but not directly related to improving the loading performance of a COPY INTO command. Splitting smaller file and auto scale are independent activities but splitting files into smaller chunks is important.

#### NEW QUESTION # 106

What is the purpose of using the SHOW GRANTS ON SQL command for a specific object?

- A. To list all privileges granted on the object
- B. To list all users in the account
- C. To list all databases that have access to the object
- D. To list all roles in the account

**Answer: A**

#### NEW QUESTION # 107

A Snowflake account uses separate virtual warehouses for different workloads: 'REPORTING\_WH' for reporting queries and 'TRANSFORM\_WH' for data transformation jobs. A user, Alice, is responsible for running both types of workloads. Alice is experiencing performance issues with reporting queries when the transformation jobs are running concurrently. Both warehouses are currently configured with the 'STANDARD' size. What are the recommended strategies to improve the performance of reporting queries without significantly impacting the performance of transformation jobs?

- A. Enable Resource Monitors to limit the credit usage of 'TRANSFORM\_WH' and increase the size of to 'LARGE'.
- B. Enable multi-cluster warehouses for 'REPORTING' with a scaling policy set to 'STANDARD' and a minimum of 2 clusters. Implement Query Acceleration Service to reduce the compute resources used by reporting queries and implement Resource Monitors to limit the credit usage of 'TRANSFORM\_WH'.
- C. Increase the size of 'REPORTING\_WH' to 'LARGE' and enable auto-suspend on to prevent it from consuming resources when idle.
- D. Enable auto-suspend on 'REPORTING\_WH' and increase the size of 'TRANSFORM\_WH' to 'LARGE'.
- E. Enable multi-cluster warehouses for both and set the scaling policy to 'ECONOMY' for 'TRANSFORM\_WH' and 'STANDARD' for 'REPORTING\_WH'.

**Answer: B**

Explanation:

Enabling a multi-cluster warehouse for 'REPORTING\_WH' with a 'STANDARD' scaling policy allows Snowflake to automatically scale up the number of clusters to handle the increased workload from concurrent reporting queries. The Query Acceleration Service (QAS) will try to reduce the resource consumption of reporting queries. Implementing Resource Monitors for 'TRANSFORM\_WH' will prevent it from consuming excessive credits and impacting the performance of 'REPORTING\_WH' during concurrent execution.

#### NEW QUESTION # 108

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