

Snowflake SOL-C01 Exam | SOL-C01 Valid Exam Guide - Authoritative Provider for SOL-C01: Snowflake Certified SnowPro Associate - Platform Certification Exam



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Snowflake SOL-C01 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">• 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.

Topic 2	<ul style="list-style-type: none"> • 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.
Topic 3	<ul style="list-style-type: none"> • 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.
Topic 4	<ul style="list-style-type: none"> • 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.

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Snowflake Certified SnowPro Associate - Platform Certification Sample Questions (Q183-Q188):

NEW QUESTION # 183

What is a share?

- A. A Snowflake object that can only be accessed by using a reader account.
- B. A Snowflake object that holds all the information required to replicate data into a secondary account.
- C. A Snowflake object that holds the metrics about table data that has been shared outside of Snowflake.
- D. A Snowflake object that holds all of the information required to share a database.

Answer: D

Explanation:

A share in Snowflake is a securable object that contains all the metadata required to provide access to selected data—typically tables, views, and secure views—to other Snowflake accounts. The share object defines which objects are included and what privileges (e.g., SELECT, USAGE) consumers receive.

A share does not store data itself; it provides a reference to the provider's underlying micro-partitioned storage, enabling real-time, zero-copy access.

Reader accounts (option A) can consume shares but do not define them.

Replication objects (option C) relate to database replication, not data sharing.

Option D is incorrect because Snowflake does not generate share-specific metrics objects.

Thus, the purpose of a share is to encapsulate all metadata required for secure, controlled data sharing between Snowflake accounts.

NEW QUESTION # 184

You are working with a semi-structured JSON dataset containing information about products. The JSON structure is as follows:

□ You need to extract all the 'name' attributes from the 'attributes' array into a single comma-separated string for each product.

Which of the following Snowflake SQL statements would achieve this?

- A. □
- B. □

- C.
- D.
- E.

Answer: E

Explanation:

The correct answer uses 'LATERAL FLATTEN' to unnest the 'attributes' array, and then uses 'LISTAGG' to concatenate the 'name' values into a comma-separated string. The 'WITHIN GROUP (ORDER BY seq)' clause ensures a consistent order. Option B is incorrect because it's trying to filter by key after flattening the 'attributes' array, which isn't how 'LATERAL FLATTEN' works. The correct column name 'name' needed to be referenced directly after the flatten command. Option A is syntactically incorrect for JSON array access. XMLAGG is not used for JSON. Option E is incorrect because 'name' is a column after flatten is performed.

NEW QUESTION # 185

A data engineer needs to grant a business analyst role ('BI ANALYST') the ability to query data in a specific schema ('SALES DATA') within a database ('REPORTING DB'). The business analyst should also be able to create temporary tables for their analysis but should not be able to modify the underlying tables. Which of the following set of commands is the MOST SECURE and LEAST PRIVILEGED way to achieve this?

- A. GRANT ALL ON DATABASE REPORTING DB TO ROLE BI ANALYST; GRANT SELECT ON ALL TABLES IN SCHEMA REPORTING DB.SALES DATA TO ROLE BI ANALYST; GRANT CREATE TEMPORARY TABLE ON DATABASE REPORTING DB TO ROLE BI ANALYST;
- B. GRANT USAGE ON DATABASE REPORTING DB TO ROLE BI ANALYST; GRANT SELECT ON ALL TABLES IN SCHEMA REPORTING DB.SALES DATA TO ROLE BI ANALYST; GRANT CREATE TEMPORARY TABLE ON DATABASE REPORTING DB TO ROLE BI ANALYST;
- C. GRANT USAGE ON DATABASE REPORTING DB TO ROLE BI ANALYST; GRANT USAGE ON SCHEMA REPORTING DB.SALES DATA TO ROLE BI ANALYST; GRANT SELECT ON ALL TABLES IN SCHEMA REPORTING DB.SALES DATA TO ROLE BI ANALYST; GRANT CREATE TEMPORARY TABLE ON DATABASE REPORTING DB TO ROLE BI ANALYST;
- D. GRANT USAGE ON DATABASE REPORTING DB TO ROLE BI ANALYST; GRANT SELECT ON SCHEMA REPORTING DB.SALES DATA TO ROLE BI ANALYST; GRANT CREATE TEMPORARY TABLE ON DATABASE REPORTING DB TO ROLE BI ANALYST;
- E. GRANT USAGE ON DATABASE REPORTING DB TO ROLE BI ANALYST; GRANT SELECT ON FUTURE TABLES IN SCHEMA REPORTING DB.SALES DATA TO ROLE BI ANALYST; GRANT CREATE TEMPORARY TABLE ON DATABASE REPORTING DB TO ROLE BI ANALYST;

Answer: C

Explanation:

Option D provides the most secure and least privileged access. USAGE on the database and schema allows access without full control. SELECT on tables allows querying. CREATE TEMPORARY TABLE allows the creation of temporary tables within the database. Granting SELECT ON FUTURE TABLES would grant access to tables that don't exist yet, unnecessary for this scenario. Option A does not grant USAGE on the schema. Option C is overly permissive.

NEW QUESTION # 186

A Snowflake administrator is tasked with setting up role-based access control (RBAC) to manage access to different objects within Snowflake using the web UI. Which of the following statements accurately describe best practices and functionalities available through the Snowflake web UI for managing RBAC?

- A. Role hierarchies cannot be created through the web UI; they must be defined using SQL commands.
- B. The web UI only allows granting ownership of database objects to roles but not individual privileges like SELECT or INSERT.
- C. The Snowflake web UI allows creating custom roles, granting privileges to these roles, and assigning roles to users or other roles.
- D. The 'Account' section in the Snowflake web UI provides a visual interface to manage users, roles, and their associated privileges.
- E. Roles can only be created and managed using SQL commands within a worksheet and cannot be managed through the web UI.

Answer: C,D

Explanation:

The Snowflake web UI enables creating custom roles, granting various privileges (including object privileges like SELECT and INSERT), and assigning roles to users or other roles. The

'Account' section within the web UI indeed provides a user- friendly interface for managing users, roles, and their associated privileges. Role hierarchies can be managed through SQL but the UI also allows users to manage, by assigning users or roles to a given role. Therefore, 'C' is incorrect. 'A' is incorrect as roles can be managed by using the UI.

NEW QUESTION # 187

You are tasked with creating a Snowflake Notebook that reads data from an external stage (AWS S3), transforms it using Python, and then loads the transformed data into a Snowflake table. The external stage requires authentication using AWS IAM roles. Which of the following steps are necessary to configure the connection and access the data from the external stage within your Snowflake Notebook using Python? (Choose all that apply.)

- A. Create a Snowflake external table that points to the S3 bucket and uses the storage integration.
- B. Create a Snowflake storage integration object that defines the AWS IAM role ARN and the S3 bucket URL.
- C. Grant the necessary privileges (e.g., USAGE, READ) on the storage integration object to the Snowflake role used by the Notebook session.
- D. Use the AWS SDK for Python (bot03) within the Snowflake Notebook to assume the IAM role and access the S3 bucket directly.
- E. Configure the AWS IAM role to trust the Snowflake account and grant it access to the S3 bucket.

Answer: A,B,C,E

Explanation:

Options A, B, C, and E are essential. To access data in an external stage secured with IAM roles, you need a Snowflake storage integration object (A) that defines the connection to S3. You must grant privileges on this integration to the appropriate Snowflake role (B). The IAM role must be configured to trust Snowflake (C). Finally, you typically create an external table (E) that uses the storage integration to access the data in S3. Using bot03 directly (D) is generally not necessary and bypasses Snowflake's security and governance mechanisms for accessing external stages.

NEW QUESTION # 188

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