

Efficient ARA-C01 - Reliable SnowPro Advanced Architect Certification Exam Testking

Snowflake Certification Details		
Snowflake SnowPro Advanced: Architect Certification (ARA-C01)		
 Prior Certification Not Required	 Exam Validity 2 years	 Exam Fee \$375 USD
 Exam Duration 115 minutes	 No. of Questions 65 Questions	 Passing Marks 750+ (On a Scale of 0-1000)
 Recommended Experience Basic Knowledge of the Snowflake Platform		 Exam Format Multiple Select, Multiple Choice, True/False
 Languages English		

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Snowflake ARA-C01 Certification is an advanced-level certification exam that is designed to validate the skills and knowledge of the candidates in the field of Snowflake data warehousing. SnowPro Advanced Architect Certification certification exam is intended for experienced professionals who have a deep understanding of Snowflake architecture, its various components, and their respective functionalities. SnowPro Advanced Architect Certification certification exam is an ideal choice for architects, consultants, and data engineers who work with Snowflake on a daily basis.

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Snowflake SnowPro Advanced Architect Certification Sample Questions (Q15-Q20):

NEW QUESTION # 15

There are two databases in an account, named `fin_db` and `hr_db` which contain payroll and employee data, respectively. Accountants and Analysts in the company require different permissions on the objects in these databases to perform their jobs. Accountants need read-write access to `fin_db` but only require read-only access to `hr_db` because the database is maintained by human resources personnel.

An Architect needs to create a read-only role for certain employees working in the human resources department. Which permission sets must be granted to this role?

- A. USAGE on database `hr_db`, USAGE on all schemas in database `hr_db`, SELECT on all tables in database `hr_db`
- B. USAGE on database `hr_db`, USAGE on all schemas in database `hr_db`, REFERENCES on all tables in database `hr_db`
- C. MODIFY on database `hr_db`, USAGE on all schemas in database `hr_db`, USAGE on all tables in database `hr_db`
- D. USAGE on database `hr_db`, SELECT on all schemas in database `hr_db`, SELECT on all tables in database `hr_db`

Answer: A

NEW QUESTION # 16

What Snowflake features should be leveraged when modeling using Data Vault?

- A. Snowflake's ability to hash keys so that hash key joins can run faster than integer joins
- **B. Snowflake's support of multi-table inserts into the data model's Data Vault tables**
- C. Scaling up the virtual warehouses will support parallel processing of new source loads
- D. Data needs to be pre-partitioned to obtain a superior data access performance

Answer: B

Explanation:

These two features are relevant for modeling using Data Vault on Snowflake. Data Vault is a data modeling approach that organizes data into hubs, links, and satellites. Data Vault is designed to enable high scalability, flexibility, and performance for data integration and analytics. Snowflake is a cloud data platform that supports various data modeling techniques, including Data Vault. Snowflake provides some features that can enhance the Data Vault modeling, such as:

* Snowflake's support of multi-table inserts into the data model's Data Vault tables. Multi-table inserts (MTI) are a feature that allows inserting data from a single query into multiple tables in a single DML statement. MTI can improve the performance and efficiency of loading data into Data Vault tables, especially for real-time or near-real-time data integration. MTI can also reduce the complexity and maintenance of the loading code, as well as the data duplication and latency¹².

* Scaling up the virtual warehouses will support parallel processing of new source loads. Virtual warehouses are a feature that allows provisioning compute resources on demand for data processing.

Virtual warehouses can be scaled up or down by changing the size of the warehouse, which determines the number of servers in the warehouse. Scaling up the virtual warehouses can improve the performance

* and concurrency of processing new source loads into Data Vault tables, especially for large or complex data sets. Scaling up the virtual warehouses can also leverage the parallelism and distribution of Snowflake's architecture, which can optimize the data loading and querying³⁴.

References:

* Snowflake Documentation: Multi-table Inserts

* Snowflake Blog: Tips for Optimizing the Data Vault Architecture on Snowflake

* Snowflake Documentation: Virtual Warehouses

* Snowflake Blog: Building a Real-Time Data Vault in Snowflake

NEW QUESTION # 17

You are a snowflake architect in an organization. The business team came to to deploy an use case which requires you to load some data which they can visualize through tableau. Everyday new data comes in and the old data is no longer required.

What type of table you will use in this case to optimize cost

- **A. TRANSIENT**
- B. TEMPORARY
- C. PERMANENT

Answer: A

NEW QUESTION # 18

Which system functions does Snowflake provide to monitor clustering information within a table (Choose two.)

- A. SYSTEM\$CLUSTERING_KEYS
- **B. SYSTEM\$CLUSTERING_DEPTH**
- **C. SYSTEM\$CLUSTERING_INFORMATION**
- D. SYSTEM\$CLUSTERING_PERCENT
- E. SYSTEM\$CLUSTERING_USAGE

Answer: B,C

Explanation:

According to the Snowflake documentation, these two system functions are provided by Snowflake to monitor clustering information

within a table. A system function is a type of function that allows executing actions or returning information about the system. A clustering key is a feature that allows organizing data across micro-partitions based on one or more columns in the table. Clustering can improve query performance by reducing the number of files to scan.

* `SYSTEM$CLUSTERING_INFORMATION` is a system function that returns clustering information, including average clustering depth, for a table based on one or more columns in the table. The function takes a table name and an optional column name or expression as arguments, and returns a JSON string with the clustering information. The clustering information includes the cluster by keys, the total partition count, the total constant partition count, the average overlaps, and the average depth¹.

* `SYSTEM$CLUSTERING_DEPTH` is a system function that returns the clustering depth for a table based on one or more columns in the table. The function takes a table name and an optional column name or expression as arguments, and returns an integer value with the clustering depth. The clustering depth is the maximum number of overlapping micro-partitions for any micro-partition in the table. A lower clustering depth indicates a better clustering².

References:

* `SYSTEM$CLUSTERING_INFORMATION` | Snowflake Documentation

* `SYSTEM$CLUSTERING_DEPTH` | Snowflake Documentation

NEW QUESTION # 19

What Snowflake features should be leveraged when modeling using Data Vault?

- A. Scaling up the virtual warehouses will support parallel processing of new source loads
- B. Snowflake's ability to hash keys so that hash key joins can run faster than integer joins
- C. Snowflake's support of multi-table inserts into the data model's Data Vault tables
- D. Data needs to be re-partitioned to obtain a superior data access performance

Answer: A,C

Explanation:

These two features are relevant for modeling using Data Vault on Snowflake. Data Vault is a data modeling approach that organizes data into hubs, links, and satellites. Data Vault is designed to enable high scalability, flexibility, and performance for data integration and analytics. Snowflake is a cloud data platform that supports various data modeling techniques, including Data Vault. Snowflake provides some features that can enhance the Data Vault modeling, such as:

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* Snowflake Documentation: Multi-table Inserts

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* Snowflake Documentation: Virtual Warehouses

* Snowflake Blog: Building a Real-Time Data Vault in Snowflake

NEW QUESTION # 20

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We also fully consider the characteristics of the user on studying the ARA-C01 exam questions. For example, many people who choose to obtain a ARA-C01 certificate don't have a lot of time to prepare for the exam. Based on this point, our team of experts really took a lot of thought in the layout of the content. The contents of ARA-C01 Exam Materials are carefully selected by experts. We hope you can get the most effective knowledge in the shortest possible time.

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