SNOWFLAKE KEY CONCEPTS

LEVEL UP

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LEVEL UP: Snowflake Key Concepts

TOPIC INTRODUCTION

In this topic, we focus on a high-level overview of concepts that are key to helping you understand how Snowflake differs from other database systems including on-premise and cloud-based database systems.

1. Read the guidance questions to focus your attention.
2. Use the resources listed to research answers to guidance questions.
3. Take the quiz.
4. Repeat as necessary.

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VIDEO GUIDANCE QUESTIONS

1) Is the architecture of Snowflake: shared disk? shared nothing? shared data? shared memory?
2) Are databases stored within warehouses? Are warehouses stored within databases?
3) Does Snowflake store data with compression? Encryption? Both?
4) When a warehouse is resized, what queries are affected? Only current? Current and subsequent? Only subsequent?
5) Costs are broken down into what two major categories?
6) Storage costs are based on the daily average of stored data. Is this based on the data's compressed size or uncompressed size?

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ONLINE DOCUMENTATION GUIDANCE QUESTIONS

1) What things aren't required because Snowflake is a true SaaS solution?

2) Can Snowflake be hosted on a company's internal cloud? What on-premise options are offered by Snowflake?

3) Can Snowflake be purchased for installation on a company's internal servers or Virtual Private Cloud(VPC)?

4) Snowflake uses MPP compute clusters. Are these called Virtual Data Marts? or Virtual Warehouses?

5) Does Snowflake recommend only running no more than 2 warehouses simultaneously to avoid contention? 5?

6) Are Snowflake Data Warehouses like Data Marts in that each one is assigned to work on a subset of the data stored in the account?

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