SNOWFLAKE FOUNDATIONS

SNOWFLAKE ON-DEMAND TRAINING

25A08

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OVERVIEW

This Snowflake on-demand course covers the foundational concepts, design considerations, and Snowflake-recommended best practices intended for stakeholders who will be working on the Snowflake AI Data Cloud. This course is a pre-requisite for the role-based courses Administering Snowflake, Snowflake Data Engineering, and Snowflake Data Science.

KEY BENEFITS

- Flexibility to learn at your own pace and schedule.
- Remote access to content and learning materials on an unlimited basis during the Term.

ACQUIRED SKILLS

- Describe the unique and differentiated architecture of the Snowflake AI Data Cloud.
- Employ Snowflake's continuous data protection features.
- Discuss Snowflake's unique approach to caching.
- Summarize the information provided by Snowflake's Explain.
- Interpret the information supplied by Query Profile regarding the performance of your query.
- Load and transform data.

WHO SHOULD ATTEND

- Data Engineers
- Data Scientists
- Database Administrators

PREREQUISITES

- Previous Data Warehouse knowledge is assumed.

DELIVERY FORMAT

- This course is a combination of on-demand content and self-paced labs.

TOPICS COVERED

Overview and Architecture

- Overview
- Snowflake Structure
- Using Snowsight
- Storage Layer
- Compute Layer
- Cloud Services Layer
- Snowgrid
- Visualizations in Snowsight

Data Protection Features

- Cloning
- Time Travel
- Introduction to Replication

Metadata and Caching in Snowflake

- Overview
- Metadata
- Query Result Cache
- Data Cache

Query Performance

- Using Explain
- Query Profile

Data Loading

- Data Loading Objects
- Data Loading Process
- Transformation and Copy Options

DURATION

- Four and a half hours of content, quizzes, and labs. *Time is approximate as actual course duration depends on individual learning style.*
- Snowflake will provide access to an environment with sufficient credits to complete exercises and labs during the Term.