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ACQUIRED SKILLS

- Outline the unique and differentiated architecture of the Snowflake AI Data Cloud.
- Load and transform data.
- Summarize query constructs, DDL, and DML operations.
- Use Snowflake's extensive SQL capabilities for data analysis.
- Describe how user and application access can be easily managed.
- Apply Snowflake's recommended best practices for working with semi-structured data.
- Discuss Snowflake's unique approach to caching.
- Implement the options provided to connect and interact with the Snowflake AI Data Cloud.
- Employ Snowflake's continuous data protection features.
- Utilize data sharing to send your data in real-time to Customers and Partners.
- Scale your Virtual Warehouses to improve performance and address concurrency needs.
- Explain the different ways you can manage and monitor your Snowflake account.
- Summarize Snowflake's AI and ML capabilities.

WHO SHOULD ATTEND

- Data Analysts
- Data Engineers
- Data Scientists
- Database Architects
- Database Administrators

PREREQUISITES

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- Snowflake Structure
- Using Snowsight
- Storage Layer
- Compute Layer
- Cloud Services Layer
- Snowgrid

Connecting to Snowflake

- Connection Options
- SnowSQL
- Visualizations in Snowsight

Data Protection Features

- Cloning
- Time Travel
- Fail-safe

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• Introduction to Replication

SQL Support in Snowflake

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- Query Profile
- SQL Performance Tips

Data Loading and Unloading

- Data Loading Objects
- Data Loading Process
- Transformations and Copy Options
- Data Loading Recommendations
- Continuous Data Loading
- Unloading Data

Functions, Procedures, and Snowflake Scripting

- User-defined Functions
- Stored Procedures
- Snowflake Scripting

Using Tasks, Streams, and Dynamic Tables

- Tasks Overview
- Creating Tasks
- Managing Tasks
- Streams Overview
- Dynamic Tables Overview

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Semi-structured Data

- Overview
- Query Semi-structured Data

Introduction to Data Sharing

- Snowflake Data Sharing Overview
- Shares

Virtual Warehouse Scaling

- Types of Virtual Warehouse Scaling
- Auto-scaling Policies

Cost Management

- Overview
- Visibility
- Control
- Optimization

Introduction to Snowflake AI and ML

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