

SNOWFLAKE DATA ANALYST IN 2 DAYS

Prerequisites: Basic knowledge of SQL is required

Duration: 2 Days (8 Hrs./Day)

Course Objective: This two-day, role-specific course introduces data analysts to how the Snowflake Data Cloud enables them to deliver actionable insights and reports to their organization to drive business value. The course is structured around a data analysis lifecycle placing each capability Snowflake provides in the data analyst's context. The course begins with how to connect to the Snowflake Data Cloud. It then covers how to analyze, ingest, enrich, report, and diagnose data insights with Snowflake. The course consists of lectures, labs, demonstrations, and discussions

Lab Requirement: Koenig DC/Linux.

Module 1 - Snowflake Overview

Why Snowflake?

Snowflake Functional Architecture

Platform Features

Getting Started with Snowflake

Module 2 - Snowflake Architecture

Snowflake Architecture Layers

Snowflake Structure



Module 3 - Account Usage and More

Information Schema and Account Usage

Using Parameters to Control Snowflake

Query Tags

Sample Data Sets

Module 4 - Client Interfaces

Client Interface Overview

Snowsight

SnowSQL

Connecting Tools to Snowflake

Module 5 - SQL Support in Snowflake

Data Definition Language (DDL)

Data Manipulation Language (DML)

Constructing Efficient Queries

Module 6 - Functions in Snowflake

Function Overview

Estimation Functions

Module 7 - Using Extended Functions in Snowflake

User-defined Functions

Stored Procedures

Snowflake Scripting

Snowflake Tasks

Module 8 - Other SQL Topics

Collation

Sampling

Module 9 - Creating More Complex Queries

Window Functions, Syntax, and Usage

Group By and Grouping Sets

Recursive With and Connect By

Module 10 - Semi-structured Data

Semi-structured Data Overview

Query Semi-structured Data

Module 11 - Continuous Data Protection

Time Travel

Cloning

Module 12 - Data Loading

Data Loading Concepts

Examples of Data Loading

Snowflake Data Lake Support

Module 13 - Reporting Using Snowflake

Explore Data

Prepare Data



Analyze Data

Visualize Data

Integrate BI Tools

Module 14 - Caching and Query Pruning

Metadata and Caching Overview

Metadata

Query Result Cache

Data Cache

Query Pruning

Module 15 - Visualizing Query Execution with Query Profile

Using Explain

Using Query Profile

Module 16 - Performance Tips and Troubleshooting

SQL Performance Tips

Performance Bottlenecks