

SNOWFLAKE FOUNDATIONS

Prerequisites: Basic knowledge of data warehouses

Duration: 1 Day (8 Hrs./Day)

Course Objective: This one-day course covers the foundational concepts, design considerations, and Snowflake best practices intended for stakeholders who will be working on the Snowflake Data Cloud. The course consists of lectures, demos, and labs covering the foundational topics. This course is a pre-requisite for the role-based courses Administering Snowflake, Snowflake Data Engineering, or Snowflake Data Science.

Lab Requirement: Koenig DC/Linux.

Module 1 - Overview and Architecture

Overview

Snowflake Structure

Using Snowsight

Storage Layer

Compute Layer

Cloud Services Layer

Snowgrid

Module 2 - Data Protection Features

Cloning

Time Travel

Introduction to Replication

Module 3 - Metadata and Caching in Snowflake

Overview

Metadata

Query Result Cache

Data Cache

Module 4 - Query Performance

Using Explain

Query Profile

Module 5 - Data Loading

Data Loading Objects

Data Loading Process

Transformation and Copy Options