SnowPro Advanced Administrator Certification

Prerequisites: SnowPro Core Certification course

Duration: 3 Days (8 Hrs/Day)

Course Objective: This course enhances skills in Snowflake administration, covering security, governance, object management, virtual warehouses, monitoring, tuning, disaster recovery, backup, and replication. Participants gain advanced proficiency, ensuring they can manage complex Snowflake environments effectively and address diverse deployment challenges with confidence.

Lab Requirement: Koenig-DC/Windows

Module 1 - Manage and administer Snowflake data security and governance

Controlling Account Access

Monitoring Activity with the Snowflake ACCESS_HISTORY Account Usage View

Object Tagging

Classification

Data Masking

Row Access Policies and Row-Level Security External Tokenisation

Secure Views and UDFs

RBAC and granting privileges

Lab: How to do object tagging

Lab: How to data masking

Lab: How to do classification

Lab: How to define row access policies

Lab: How to create secure views

Lab: How to create custom roles

Lab: How to work with privileges

Module 2 - Manage and maintain database objects

Creating and Managing Snowflake Databases

Creating and Managing Snowflake Schemas

Introduction to Snowflake Tables

Creating and Managing Views

Introduction to Snowflake Stages: File Format Included Extending SQL with Stored Procedures and UDFs

Snowflake Streams

Snowflake Tasks

Lab: How to create Databases

Lab: How to create Schemas

Lab: How to create tables

Lab: How to create Views

Lab: How to create Snowflake stages

Lab: How to create file format

Lab: How to create a stored procedure

Lab: How to create UDF

Lab: How to create snowflake streams

Lab: How to create Tasks

Module 3 - Perform database monitoring and tuning

Understanding performance optimisation

Exploring Execution times

Optimising Warehouses for performance

Optimising Storage for performance

Lab: How to optimise warehouse for performance

Lab: How to optimise storage for performance

Module 4 - Administer disaster recovery, backup, and data replication

Time travel

Fail-safe

Understanding storage cost

Account failover

Introduction to replication

Replication considerations

Replication configuration

Understanding cost of replication

Lab: How to configure replication