

ADMINISTERING SNOWFLAKE II

Prerequisites: A background in database administration, foundational knowledge of snowflake

Duration: 2 Days (8 Hrs./Day)

Course Objective: This two-day, role-specific course continues the study and practical lab experience of database and account administration. This course includes data recovery scenarios, database and account replication, and advanced performance tuning strategies. The course consists of lectures, labs, demonstrations, and discussions.

Lab Requirement: Koenig DC/Linux.

Module 1 - Advanced Tuning Strategies

Micro-partitions and Clustering

Micro-partition Pruning (Elimination)

Evaluating Clustering

Implement and Test Cluster Keys

Materialized Views

Search Optimization Service

Query Acceleration Service

Module 2 - Data Protection and Data Recovery

Fail-safe

Data Recovery Scenarios

Module 3 - Organizations

Snowflake Organizations

Administrative Operations with Organizations

ORGADMIN Role

Using Snowflake Database Roles with Organizations

Querying Organization Account Usage

Account Management Commands

Module 4 - Database Replication

Overview

Replication Workflow

Failover Workflow

Client Redirect

Module 5 - Account Replication

Purpose of Account Replication

Key Use Cases

Module 6 - Functions and Procedures

User-defined Functions

JavaScript Stored Procedures

Programmability Enhancements

Logging and Tracing



Module 7 - Snowflake Scripting

Snowflake Scripting Overview

Snowflake Scripting Constructs

Programmability Enhancements

Logging and Tracing

Module 8 - Snowflake Alerts

Using Alerts with Email Notifications

Module 9 - Data Sharing

Data Access Options

Direct Data Sharing

Direct Data Sharing Workflow

Module 10 - Database Roles

What are Database Roles?

Database Roles and Data Sharing

Snowflake Shared Database Roles

Module 11 - Dynamic Tables

What are Dynamic Tables?

Dynamic Table Advantages

Monitoring Dynamic Tables

Module 12 - Resource and Financial Governance

Financial Governance in Snowflake



Monitoring Compute

Monitoring Serverless Compute

Monitoring Storage

Monitoring Data Transfer

Resource Monitors