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*Discover Learning*

# Snowflake Certification Training Course

Course Curriculum : Your 10 module Learning Plan

https://www.edureka.co/snowflake-certification-training

## About Edureka

Edureka is a leading e-learning platform providing live instructor-led interactive online training. We cater to professionals and students across the globe in categories like Big Data & Hadoop, Business Analytics, NoSQL Databases, Java & Mobile Technologies, System Engineering, Project Management and Programming. We have an easy and affordable learning solution that is accessible to millions of learners. With our students spread across countries like the US, India, UK, Canada, Singapore, Australia, Middle East, Brazil and many others, we have built a community of over 1 million learners across the globe.

## About Course

Edureka's Snowflake certification training course will prepare you to master data warehousing on the cloud. You will be able to load & transform data in Snowflake, scale virtual warehouses for performance and concurrency, share data and work with semi-structured data. You will also gain a thorough knowledge of query constructs, DDL & DML operations, managing and monitoring Snowflake accounts and Snowflake's continuous data protection methods.

# Snowflake Certification Course Curriculum

## Introduction of Datawarehouse and Snowflake

Topics:

- What is Datawarehouse
- Limitations of Traditional data warehouses
- Evolution of Data warehouses
- Advantages of Cloud over On-Prem
- Create Snowflake trial account
- Snowflake Editions
- Overview of Key Features

## Getting Started with Snowflake

Topics:

- Snowflake CLI installation & Configuration
- Different Roles in Snowflake
- Explore - Databases, Schemas and Tables
- Snowflake Architecture
- Snowflake Virtual warehouses overview

## Using Snowflake

Topics:

- Web Interface
- Virtual Warehouses

- Databases, Tables & Views
- Queries
- Date & Time Data
- Semi-structured Data

## Micro-partitioning and Clustering in Snowflake

Topics:

- Micro partitions in Snowflake
- Advantages of Micro-Partitioning
- Structure of Micro-Partition
- Query Processing in Snowflake
- Clustering Introduction
- How clustering works & It's advantages
- how to Choose the right keys for clustering
- Performance tuning

## Table types in snowflake

Topics:

- Permanent table and fail-safe
- Transient table
- Temporary table
- Transient database in snowflake

## Miscellaneous

Topics:

- Roles and Privileges
- Data Security in Snowflake
- Snowflake as DaaS
- Snowflake Vs Redshift Vs Bigquery
- Snowflake Certification
- Upcoming features in Snowflake
- Final Project Overview

## Snowflake Continuous Data Pipelines

Topics:

- Snowflake Continuous stream data integrations
- Streams, Tasks & Snow pipe
- Lab – Streams & Tasks Lab & Exercises

## Sharing Data in Snowflake

Topics:

- Introduction to Data Sharing
- Data Providers
- Data Consumers
- Working with Shares
- Using Secure Objects to Control Data Access

## Snowflake Task Feature

Topics:

- Tasks Intro
- Demo
- SF task Dependency
- Dependency demo

## Understanding Snowflake Billing

Topics:

- Monitoring Credit and Storage Usage
- Resource Monitors
- User Management

# Snowflake Certification Course Projects

## What are the system requirements for our Snowflake Certification Training?

The system requirement for this course is a system with an Intel i3 processor or above, a minimum of 3GB RAM (4GB recommended), and an operating system that can be 32 bit or 64 bit. In addition, you require a browser to access the Snowflake platform.

## How will I execute the practicals?

You will require a web browser and access Snowflake's Web UI platform. Also, you can install the SnowSQL client on your system & connect to the warehouse.

## Which practicals will be a part of this Snowflake Certification Course?

- Create Snowflake trial account
- Install & Configure Snowflake CLI
- Create Virtual Warehouses
- Create databases, schema & tables
- Writing DDL & DML Queries
- Create Micro-partitions in Snowflake
- Perform clustering in Snowflake
- Performance Tuning
- Creating transient & temporary tables
- Creating Permanent tables with fail-safe mechanisms
- Loading & Un-loading data
- Bulk Loading/Unloading from a Local File System

- Bulk Loading/Unloading from Amazon S3
- Bulk Loading /Unloading from Microsoft Azure
- Loading Continuously Using Snow pipe
- Loading Data using the Web Interface
- Working with Streams, Tasks & Snow pipe
- Using Secure Objects to Control Data Access
- Monitor resources
- Perform User Management