Snowflake Training Syllabus

Section 1: Introduction to Snowflake

- ➢ Overview of Snowflake database
- ➢ Key features of Snowflake
- ➢ Data warehousing detailed explanation
- ➢ Cloud Data warehousing concepts
- ➢ Latest trends in Data warehousing
- ➢ Creating Warehouse, Database, tables and Schema

Section 2: Cloud Platforms

- ➢ Amazon Web Service
- ➢ Microsoft Azure
- ➢ Google cloud platform
- ➢ Understanding S3 storage AWS
- ➢ Azure and blob storage
- ➢ GCP and bucket storage

Section 3: Cloud Data Warehouse

- ➢ Checking Cloud Data warehousing options
- ➢ Checking the data safety
- ➢ Checking the performance
- ➢ To identify the factors for quality of the data
- ➢ Security standards

Section 4: Understanding Snowflake

- ➢ Understanding its architecture
- ➢ Data Protection
- ➢ Data Lifecycle
- ➢ Snowflake ecosystem
- ➢ SnowSQL Installation

Section 5: Understanding Snowpipe

- ➢ Overview of Snowpipe

➢ GET Commands
➢ PUT Commands
➢ Loading and unloading data
➢ Loading continuously using Snowpipe
➢ Amazon S3 – Bulk loading and unloading
➢ Microsoft Azure – Bulk loading and unloading

Section 6: Connecting to Snowflake

➢ JDBC Driver
➢ ODBC Driver
➢ Downloading and integrating JDBC driver
➢ Downloading and installing ODBC server
➢ Connection parameters
➢ API Support
➢ Diagnosing service ODBC service

Section 7: Data Sharing in Snowflake and time travel

➢ Understanding Data sharing
➢ Data providers
➢ Managing and reading reader account
➢ Data consumers concepts
➢ Time travel and data querying
➢ Cloning concepts

Section 8: JSON

➢ Creating stages
➢ JSON image format
➢ Variant data type
➢ Loading and accessing JSON

Section 9: Scheduling

➢ Creating tasks and accessing procedures
➢ Understanding Streams
➢ To automate loading process

Section 10: Clustering and performance technique

➢ To create multiple clusters
➢ Performance technique