Snowflake New Features

Course outline

Data Warehousing / Platform

• Snowsight orientation and key features
• Query Acceleration Service

• Object Tagging

• Data Classification

• Conditional Masking

• Row Access Policies

• Object Dependencies

• Access History

Data Engineering / Unstructured Data

• Directory tables

• Streams on Directory tables

• Scoped URLs

• Ingesting and querying geoJSON data

• GEOGRAPHY data type

• GEO functions

• Utilizing INFER_SCHEMA to automate table creation from a set of semi-structured source files

• Joining structured and unstructured data sets

• Leveraging JAVA UDFs to parse and extract PDF data

• Loading open-source JAR files to JAVA UDFs

• Serverless tasks

• Manual task execution

• Reviewing task graph execution and task errors

Building Modern Applications

• Snowflake Scripting

• User-defined functions

• Loading open-source JAR files to JAVA UDFs

• Leveraging open-source Python libraries directly available in Snowflake via Anaconda in Python UDFs

• User-defined table functions

• Loading open-source JAR files to JAVA UDTFs

• Stored Procedures

• Snowpark libraries

• SQL API

• Streamlit

Data Science / ML

• Snowpark

• Data Science / ML with Snowflake overview

• Snowpark Python walkthrough