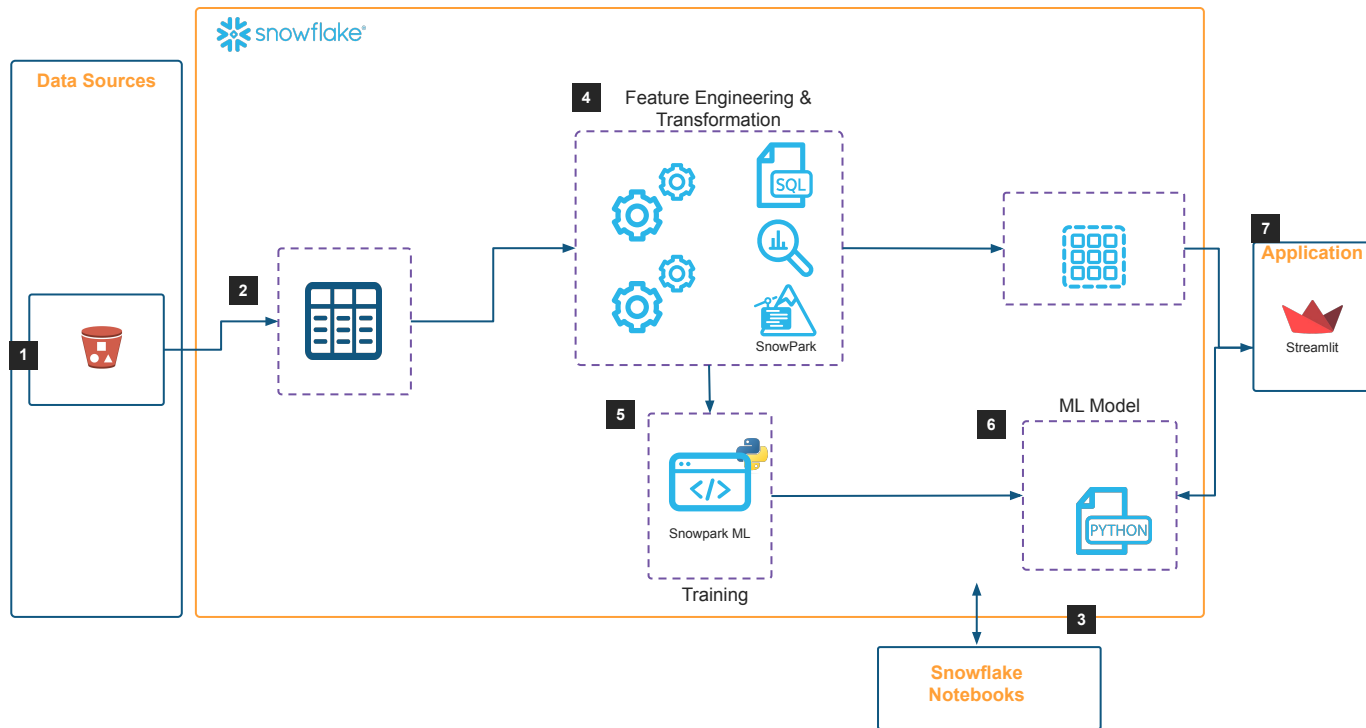


Data Analysis and Churn Prediction using Snowflake Notebooks

Reference Architecture



Train and Deploy an ML Model
Telco Customer Churn Prediction

Use Case Flow

- 1 Read data from an external source (AWS S3)
- 2 Data Exploration using Snowpark
- 3 Snowflake Notebook with Snowpark
- 4 Feature Engineering with Snowpark
- 5 Model Training using Snowpark ML APIs
- 6 Model deployment and Inference
- 7 Interact with the Model in a Streamlit App