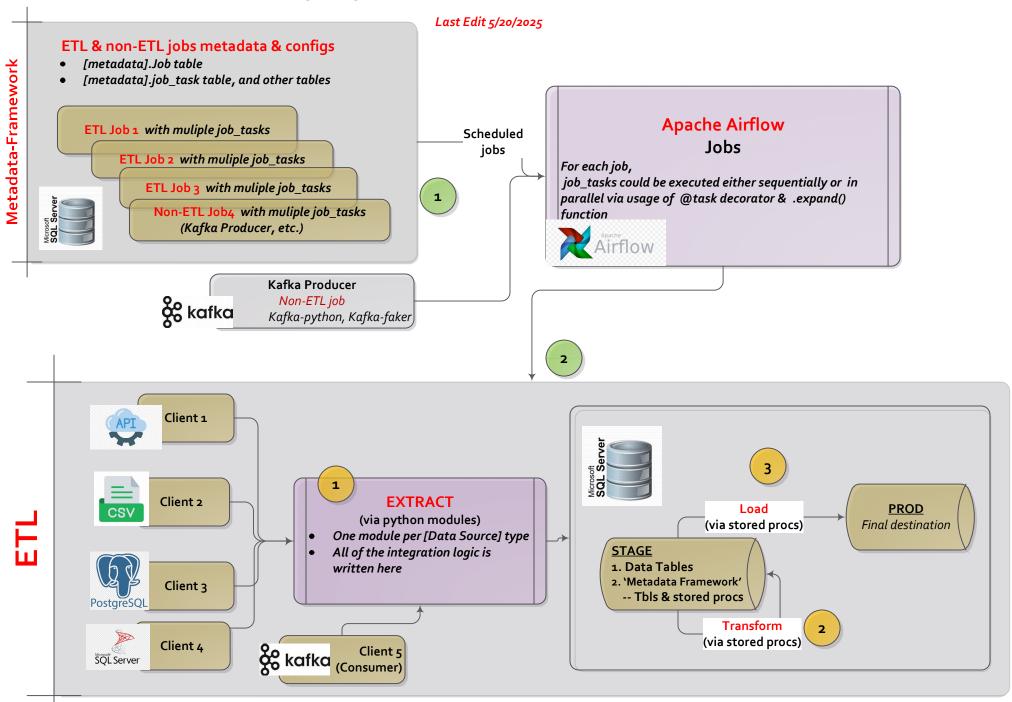
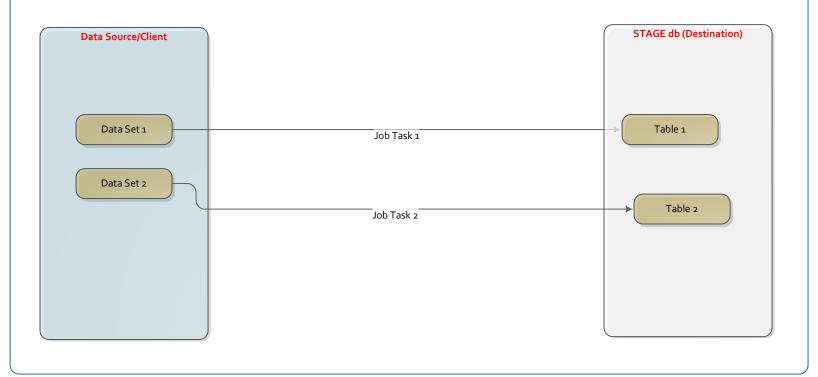
#### ETL Pipelines with Apache Airflow – System Architecture

(Integrating multiple Data-Sources & a custom Metadata-Framework)



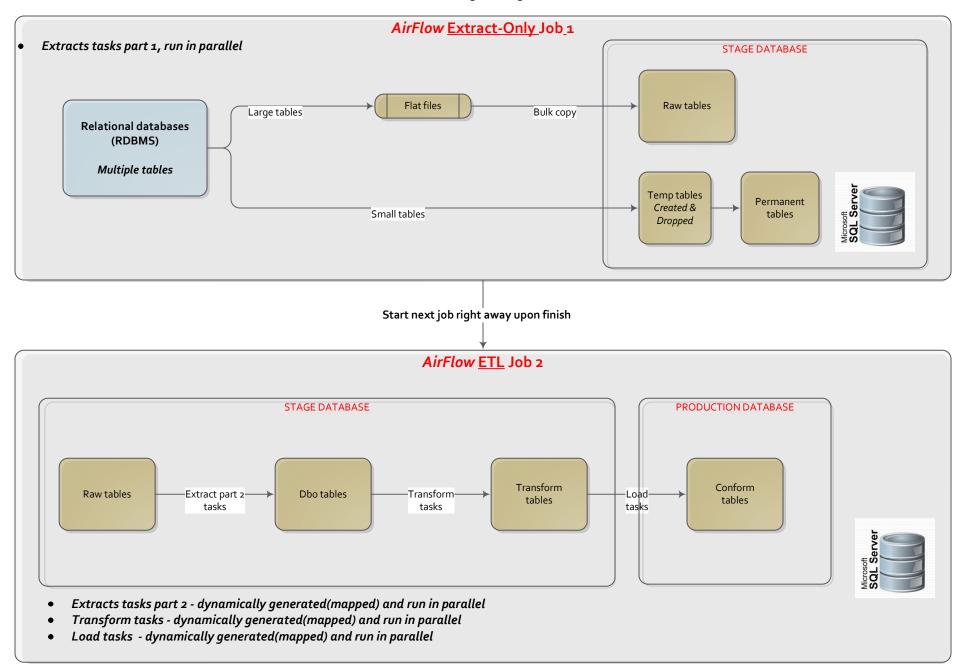
### The typical logical structure of the ETL job ( Apache Airflow DAG)

- A Single Job per Data Source/Client
- Multiple Job Tasks per Job.
- Each Task corresponds to a single Destination table



## Workflow for bringing data based on its size (large/small) via two consecutive jobs. Data source – RDBMS.

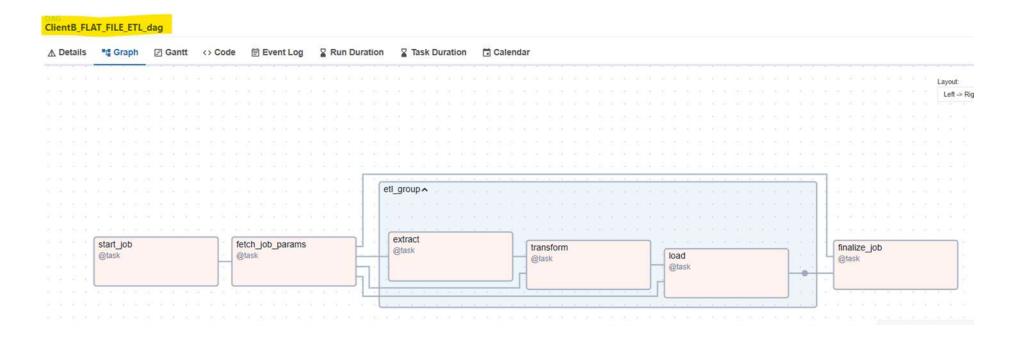
Last Edit 5/20/2025



### Simple ETL job in Apache Airflow

The tasks within Extract, Transform, Load phases are processed sequentially.

Last Edit 5/20/2025



• This ETL job processes data sequentially.

# Example of a complex DAG - Processing ETL tasks in parallel via two jobs. Last Edit 5/20/2025

