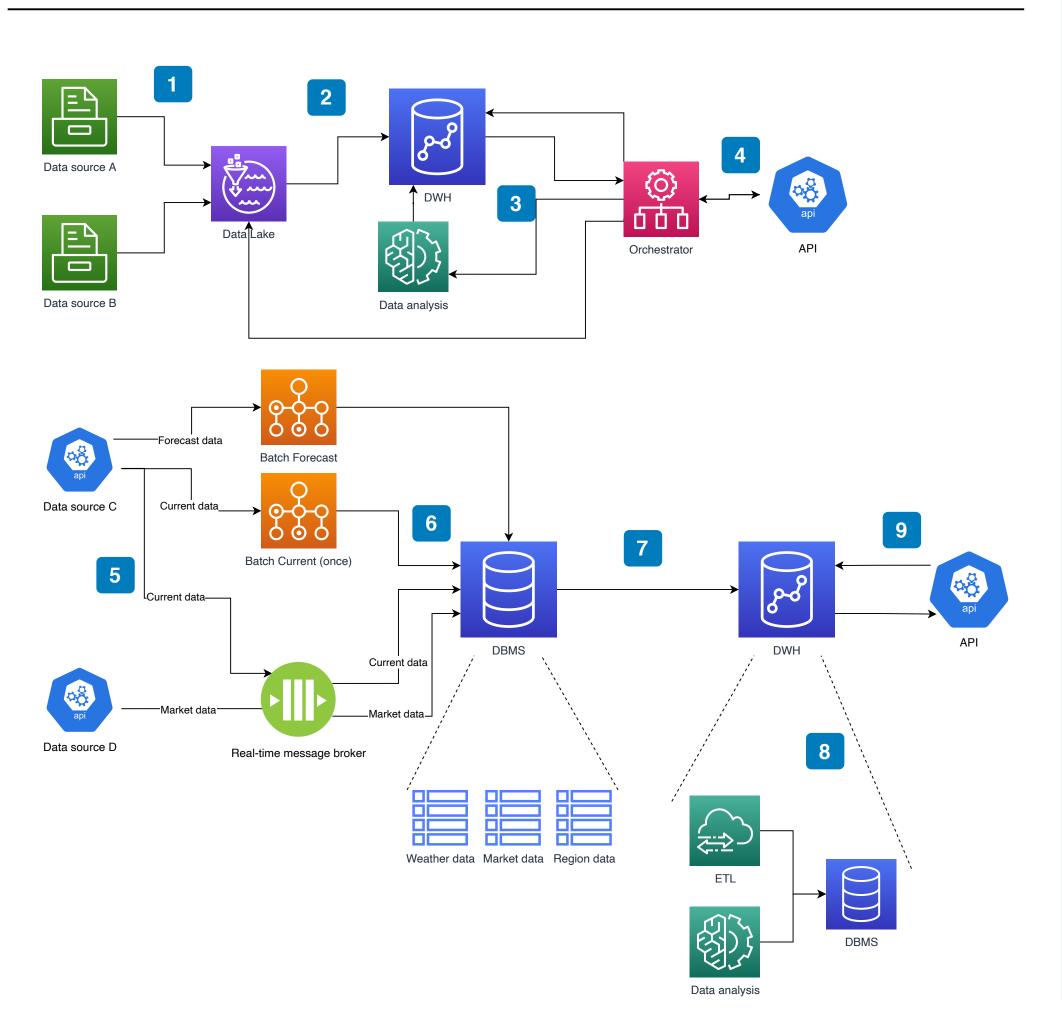
3rd part - Design



- Import data into Data lake
- Transform data lake item into clean, structured and useful data, putting them into DWH
- The orchestrator is accountable for:
 - uploading customer file into data lake
 - starting data analysis based on customer data and data sources data
 - preparing output from DWH to API
- The orchestrator can expose itself an API to the customer or can be a part of a bigger process
- The data are imported in 3 ways:
 - recurring batch for forecast data from data source C
 - batch once for the data history of the last 15 years from data source C
 - producers importing current data from data sources C and D
- Data from data sources are transformed into a useful structure and are inserted in a DBMS
- 7 Link between DWH and an external DBMS
- The DWH contains:
 - ETL procedures for extraction and transformation into a model useful for data analysis and API
 - tools and configurations for data analysis
 - DBMS for extracted and processed data
- Integration between DWH and an API exposing service