Breweries Case

Setup

VERSIONING

Versão	Data	Autor	Descrição
1.0	24/07/2024	Bhrenner Wilson Marcelino	Criação Documento

Solution Design
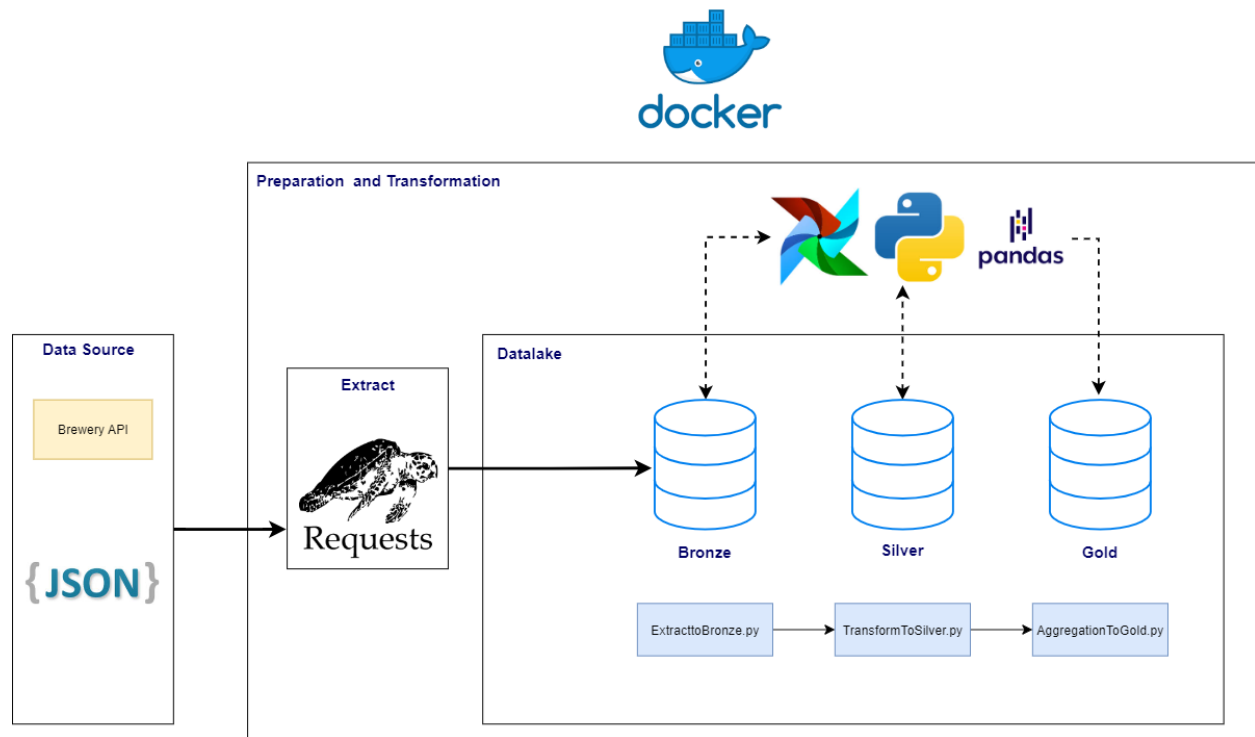
Technologies

For this test, the following technologies were used:

- Airflow – Orchestrate tasks
- Python – Develop tasks
  - Pandas – Extract, Transformation and Load data
  - Requests – Get data from API
- Docker – Used to encapsulate the environment

Prerequisites

- Docker desktop

Instructions to Setup

1. Clone the git repository through the command:
   - git clone https://github.com/MathBosco/BreweriesCase.git

2. Open Docker desktop

3. Open folder from cloned repository in cmd

4. Init Docker Build through the command:
   - docker-compose up airflow-init

5. After the previous command is finished, enter the next command to start Docker:
   - docker-compose up

6. Docker will be ready to access when the following line appears in the terminal:

7. After the previous command is finished, open your browser and put this address on the search bar:
   - localhost:8080

8. To authenticate in Air Flow use:
   - **user:** airflow
   - **password:** airflow

9. To validate the project configuration, check that the folder structure is in the following format:

10. That's it, you can now use the application! To learn more about how to perform the tasks, see the document: **docs/BreweriesCase.docx**

11. To close Docker, use the command:
   - docker-compose down