**Breweries Test - Setup**

**NAME:** Breweries Test - Setup

**TYPE:** Setup

**DESCRIPTION:** Instructions to setup project

**AUTHOR:** Thiago Bezerra de Sousa

**History**

|  |  |  |
| --- | --- | --- |
| **Date** | **Version** | **Comments** |
| 29/07/2024 | 1.0 | Document Created |
|  |  |  |
|  |  |  |

**Architecture**



**Technologies**

For this test, the following technologies were used:

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

**Prerequisites**

- Ter o Docker desktop instalado em seu ambiente

**Instructions to Setup**

Clone the git repository through the command:

- git <https://github.com/thiagobezerra2/BEES_Breweries_Case>

Open Docker desktop

Open folder from cloned repository in cmd

Astronomer configuration:

Start a new Astronomer project:

Copy code

astro dev init

Copy all DAG scripts to the dags/ directory created by Astronomer.

Make sure that the Dockerfile is configured correctly:

dockerfile

Copy code

FROM quay.io/astronomer/astro-runtime:5.0.0

COPY requirements.txt .

RUN pip install --no-cache-dir -r requirements.txt

Start Astronomer:

Copy code

astro dev start

Running the Pipeline

In the Airflow UI (accessible via [http://localhost:8080](http://localhost:8080/))

To authenticate in Air Flow use:

- **user:** admin

- **password:** admin

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

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

To close Docker, use the command:

- docker-compose down