## Play with your DAG

Before moving forward, it's important to know how to run your DAGs, retry tasks, clean the meta data, access the logs, etc.

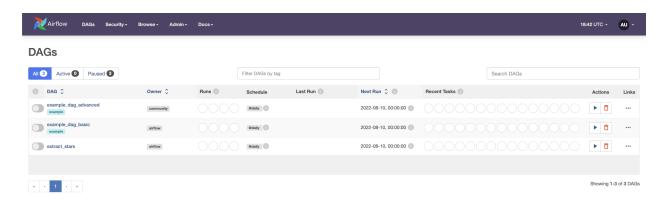
That's exactly what you are going to discover in this activity

## **Prerequisites**

You should have the DAG <code>extract\_stars.py</code> in your folder <code>dags/</code>. If not, take a look at the previous activity <code>Start coding your first DAG...</code>

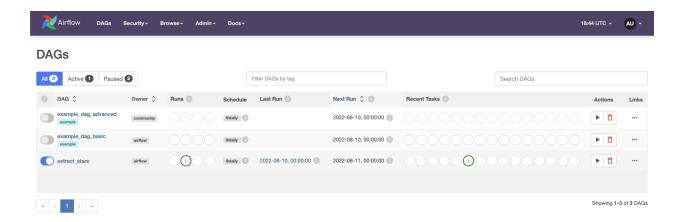
## Play with your DAG

If you go on <a href="localhost:8080">localhost:8080</a>, you should land on the following page:



First, turn on the toggle next to the DAG name extract\_stars. That allows to pause or unpause your DAG. In other words, start scheduling it or not.

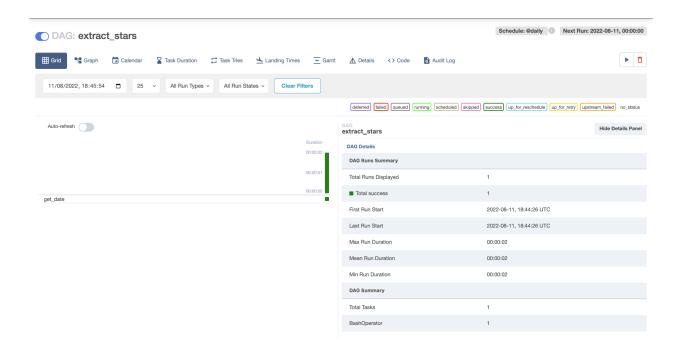
Refresh the page many times until you see something like that



As you can see, you have one successful DAG Run with one task in success.

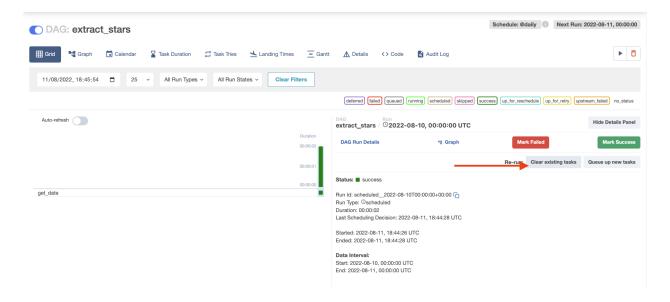
Click on the DAG extract\_users.

This view:

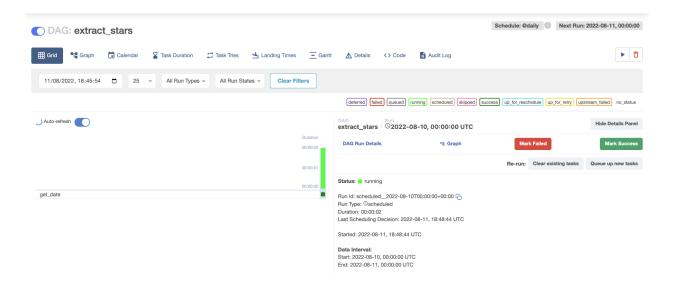


is the Grid view. From there, you can interact with your tasks (squares) and DAG Runs (top bars).

To retry a DAG Run, click on the bar and clear existing tasks.

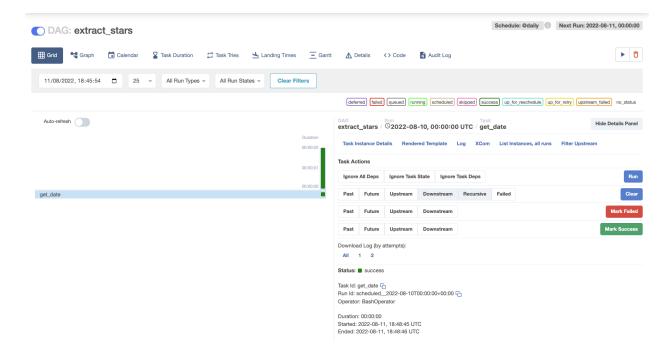


Click Confirm. That's how you can rerun a DAG Run.



Click on the task (square) just under the DAG Run bar.

From there, you can interact with the task



Access the logs, details, XCOM, and more.

For now, click clear to rerun that task only and confirm

Great, now let's simulate an error.

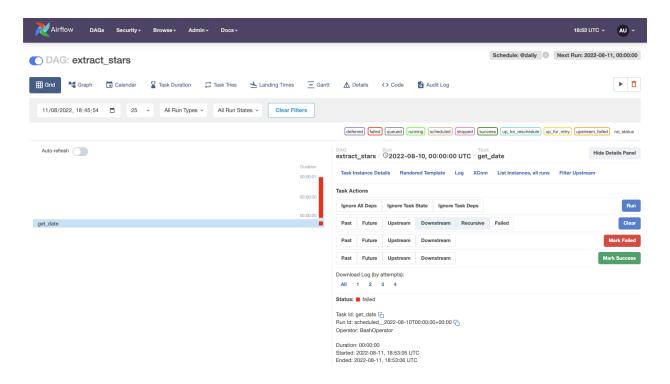
Open the dag file extract\_stars.py in your code editor.

In the bash command parameter, set the value exit 1 instead of date.

```
get_date = BashOperator(
   task_id="get_date",
   bash_command="exit 1"
)
```

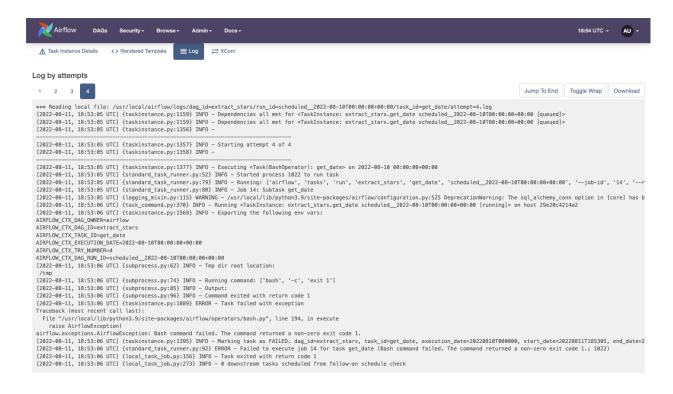
Save the file, and rerun the task like you did just before.

As you can see, the task fails:



If that happens, the first step is to look at the logs.

Click on Log



The logs help you to understand what's the issue with your task.

Once fixed in the code, you just have to rerun it.

Change the BashOperator to succeed by giving it a different command - date - and rerun it to see success.

```
get_date = BashOperator(
  task_id="get_date",
  bash_command="date"
)
```

Checking the logs, you should see that the task output the current date

Well done! You are now able to schedule and monitor your DAG!

## **Additional resources**

Airflow UI: https://airflow.apache.org/docs/apache-airflow/stable/ui.html