**Installing Apache Airflow**

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Hi there 👋

It's time to install Apache Airflow. As you are going to see, it's very simple.

**Prerequisites**

First, make sure you have installed Docker Desktop and Visual Studio. If not, take a look at these links:

* [Get Docker](https://docs.docker.com/get-docker/)
* [Get Visual Studio Code](https://code.visualstudio.com/download)

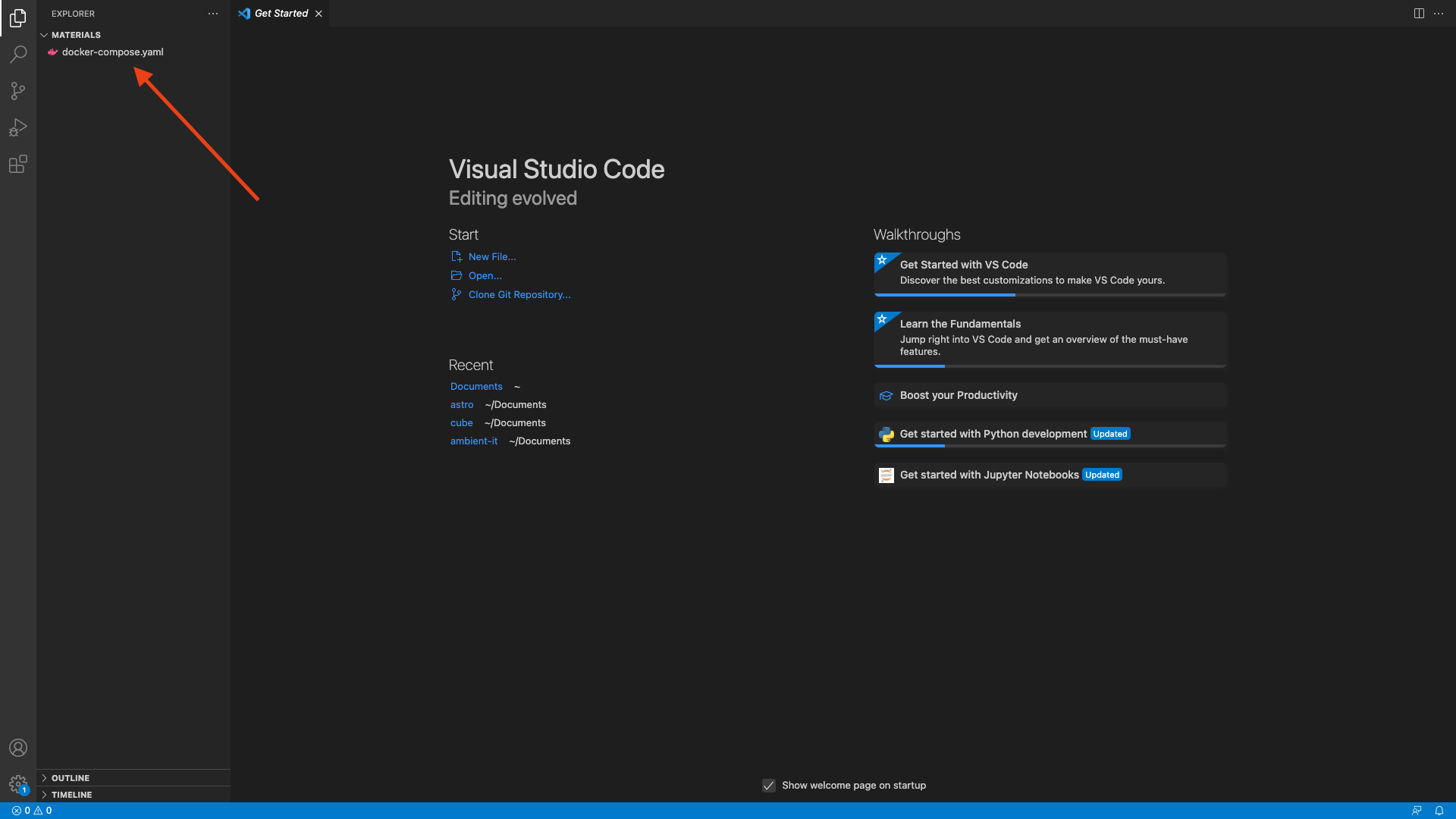
Docker needs privilege rights to work, make sure you have them.

**Follow the documentation first.**  
If you have trouble to install these tools, here are some videos to help you

* [Install Docker on Windows 10](https://www.youtube.com/watch?v=lIkxbE_We1I&ab_channel=JamesStormes)
* [Install Docker on Windows 10 with WSL 2](https://www.youtube.com/watch?v=h0Lwtcje-Jo&ab_channel=BeachcastsProgrammingVideos)
* [Install Docker on Windows 11](https://youtu.be/6k1CyA5zYgg?t=249)

**Install Apache Airflow with Docker**

1. Create a folder **materials**in your **Documents**
2. In this folder, download the following file: [docker compose file](https://airflow.apache.org/docs/apache-airflow/2.5.1/docker-compose.yaml)
3. If you right-click on the file and save it, you will end up with docker-compose.yaml.txt. Remove the .txt and keep docker-compose.yaml
4. Open your terminal or CMD and go into **Documents/materials**
5. Open Visual Studio Code by typing the command: code .
6. You should have something like this



1. Right click below docker-compose.yml and create a new file .env (don't forget the dot before env)
2. In this file add the following lines
   1. AIRFLOW\_IMAGE\_NAME=apache/airflow:2.4.2
   2. AIRFLOW\_UID=50000

and save the file

Text

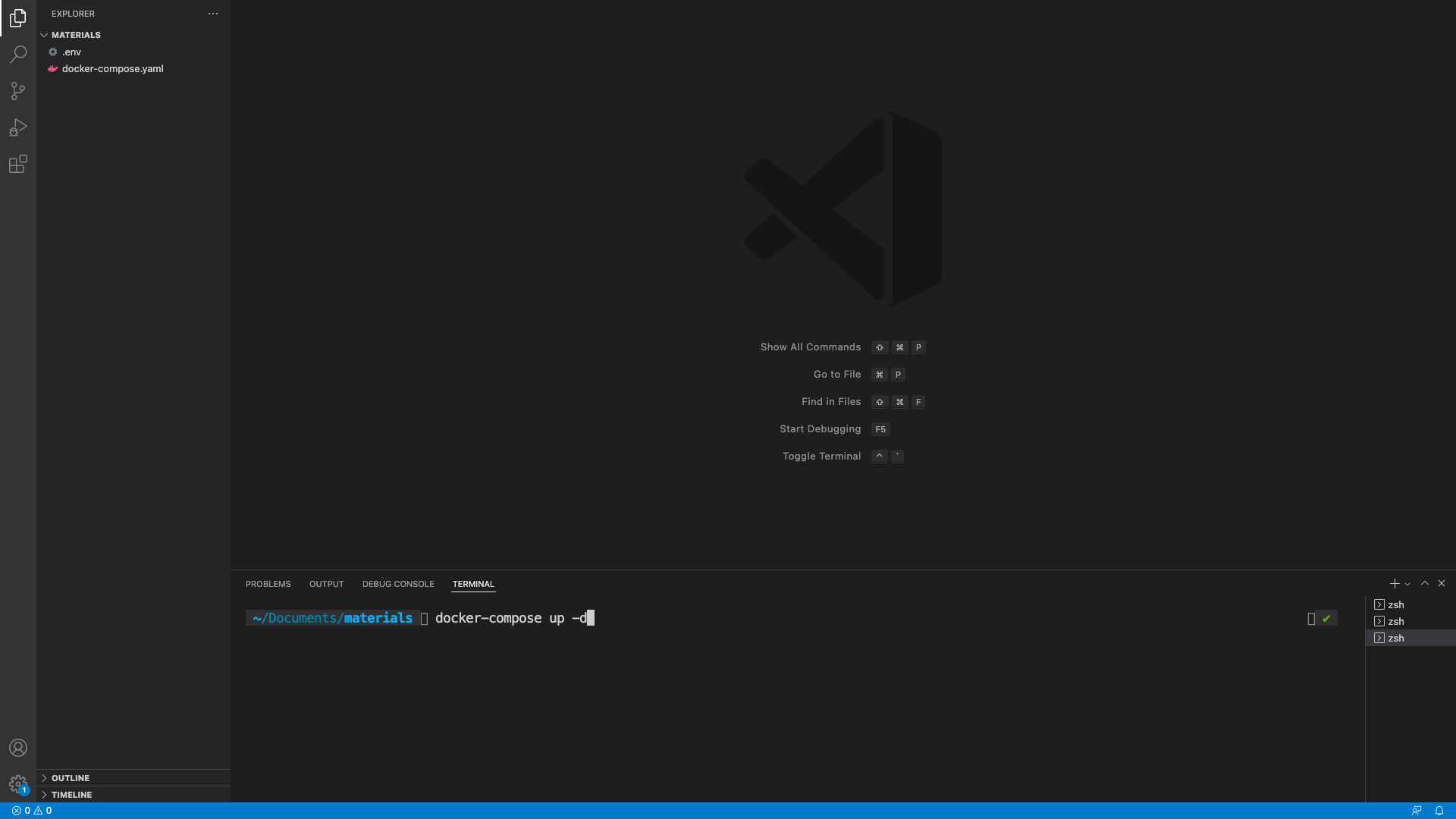
Description automatically generated

1. Go at the top bar of Visual Studio Code -> Terminal -> New Terminal

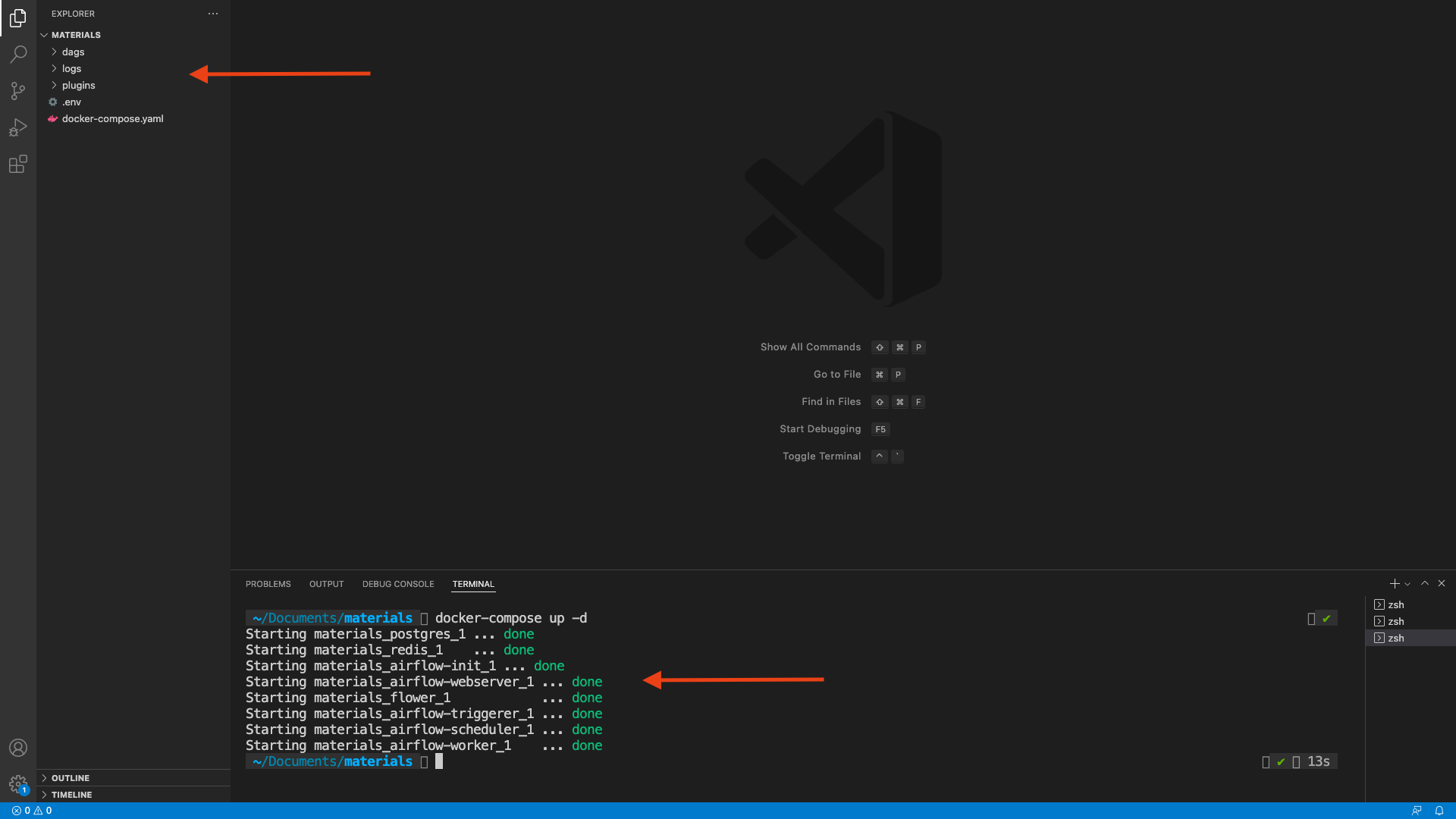
Text

Description automatically generated

1. In your new terminal at the bottom of Visual Studio Code, type the command docker-compose up -d and hit ENTER



1. You will see many lines scrolled, wait until it's done. Docker is downloading Airflow to run it. It can take up to 5 mins depending on your connection. If Docker raises an error saying it can't download the docker image, ensure you are not behind a proxy/vpn or corporate network. You may need to use your personal connection to make it work. At the end, you should end up with something like this:



Well done, you've just installed Apache Airflow with Docker! 🎉

Open your web browser and go to localhost:8080

Graphical user interface, application

Description automatically generated

Troubleshoots

-> If you don't see this page, make sure you have nothing already running on the port 8080

Also, go back to your terminal on Visual Studio Code and check your application with docker-compose ps

All of your "containers" should be healthy as follow:

Graphical user interface

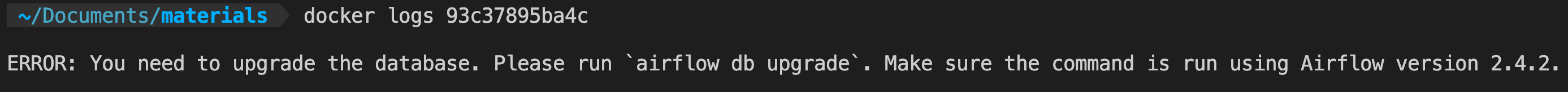
Description automatically generated with medium confidence

If a container is not healthy. You can check the logs with docker logs materials\_name\_of\_the\_container

Try to spot the error; once you fix it, restart Airflow with docker-compose down then docker-compose up -d

and wait until your container states move from starting to healthy.

-> If you see this error



remove your volumes with docker volume prune and run docker-compose up -d again

-> If you see that airflow-init docker container has exited, that's normal :)

If you still have trouble, reach me on the Q/A with your error.