

How to use the dockers correctly:

(initial assumption – you don't have docker installed yet)

Sudo apt-get update

Sudo apt-get upgrade

Sudo apt install docker.io

Create a folder "MyDocker"

Download the .yaml file to the folder

Create inside "MyDocker" a folder named "volumes"

Enter the files you want to run there

First terminal: "sudo docker-compose up" and wait until "done" is written near all the dockers.

Second terminal: sudo docker ps -a

Additional terminals: sudo docker exec -it <container id> /bin/bash

In each terminal that we have a docker already running: cd volumes

In each docker try "ping 8.8.8.8" if it works continue reading the file, otherwise, you don't have an internet connection on the dockers and you need to fix it.

In each docker (according to his name): python3 file_name.py

NOTICE:

in order to run the python files in correct way you should run the by this order: sender.py, proxy1.py, proxy2.py and receiver.py. wait for each docker to finish sending the file before you start the next docker.

At the end of the program inside "volumes" you will have the files that the sender sent.

How to close the dockers in the correct way:

In each docker write "exit"

In each terminal that we have had a running docker write "sudo docker stop <container id>"

You can close all the terminals except the first one.

Go to the first terminal and hit CTRL+c wait 2 seconds and hit again CTRL+c