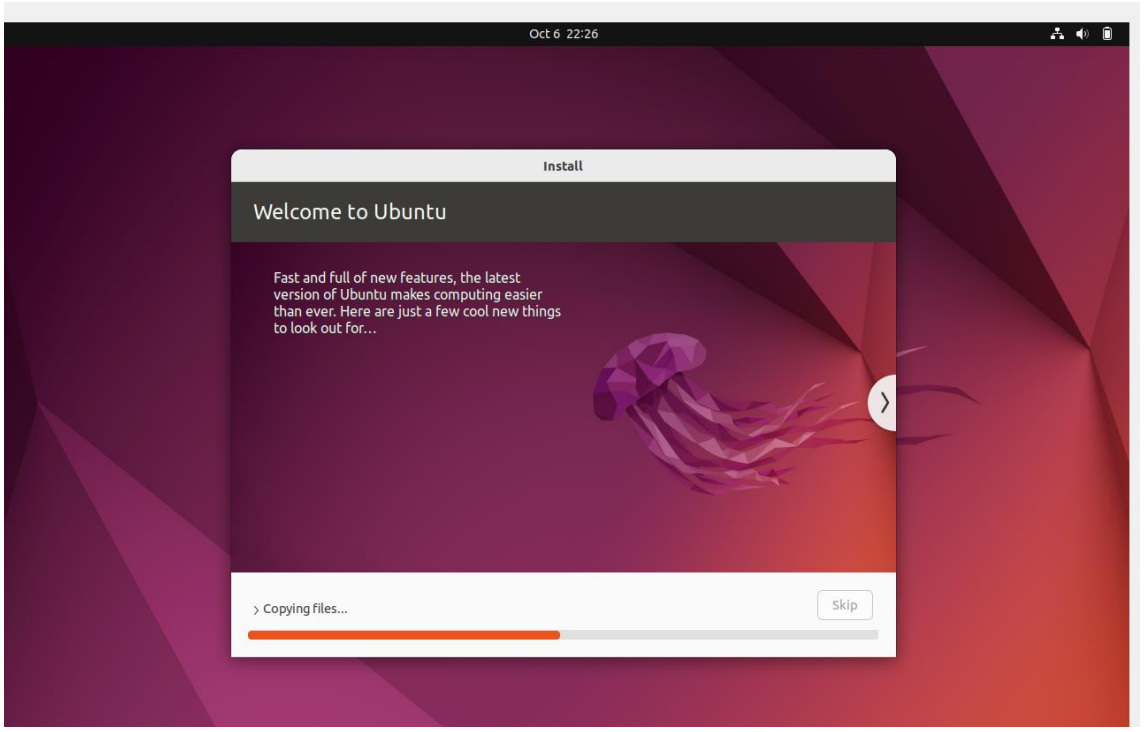
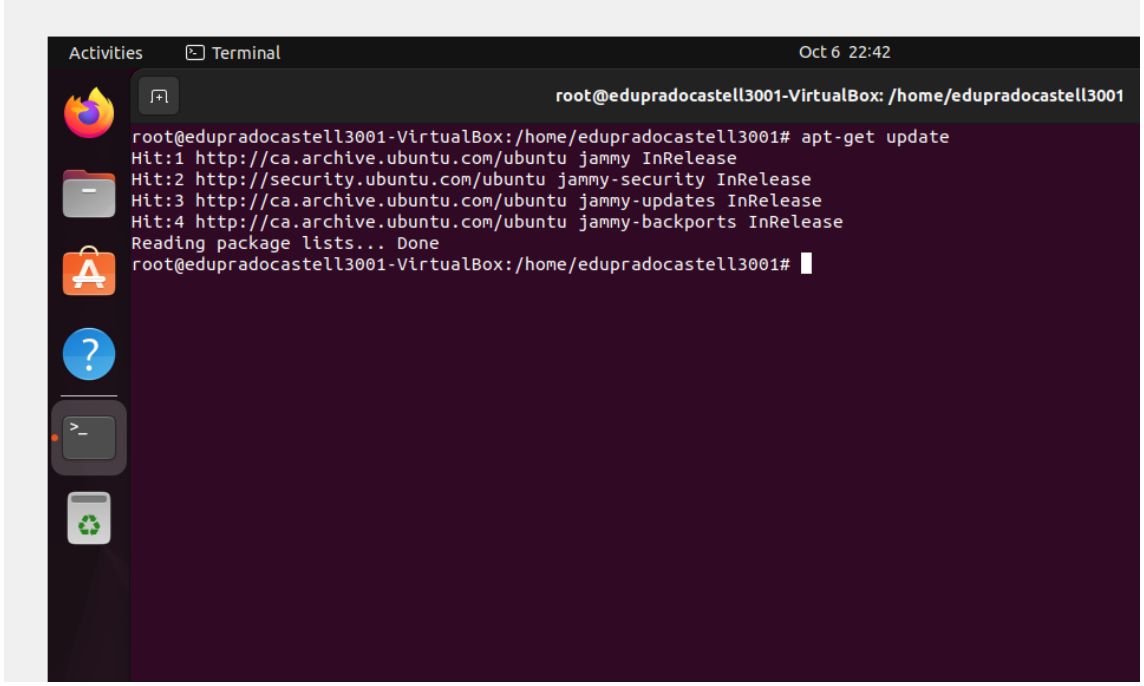


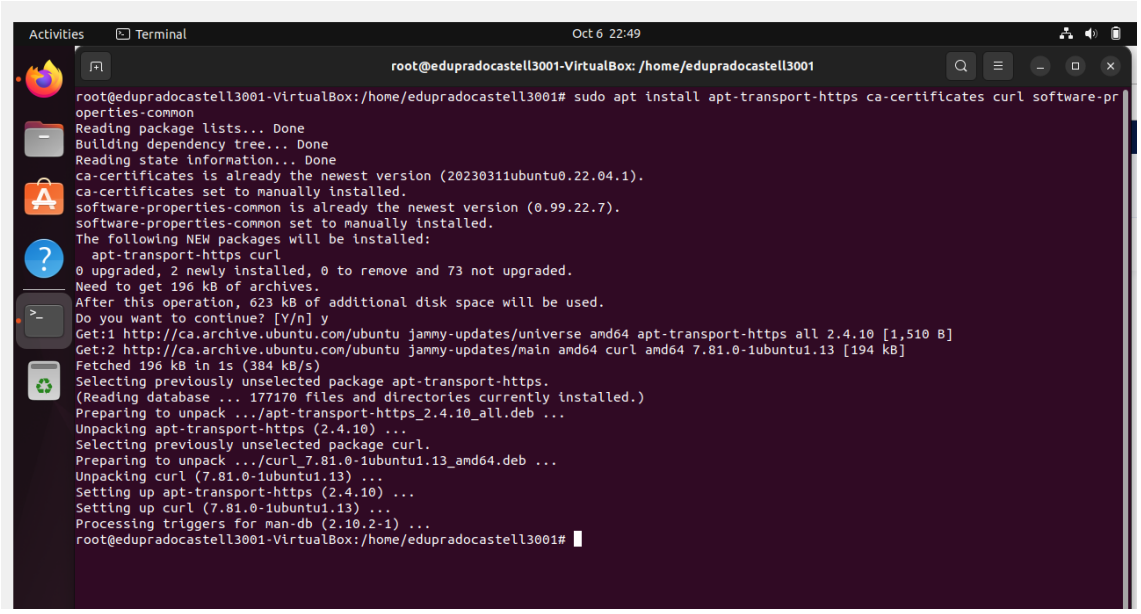
First, update your existing list of packages:

apt update



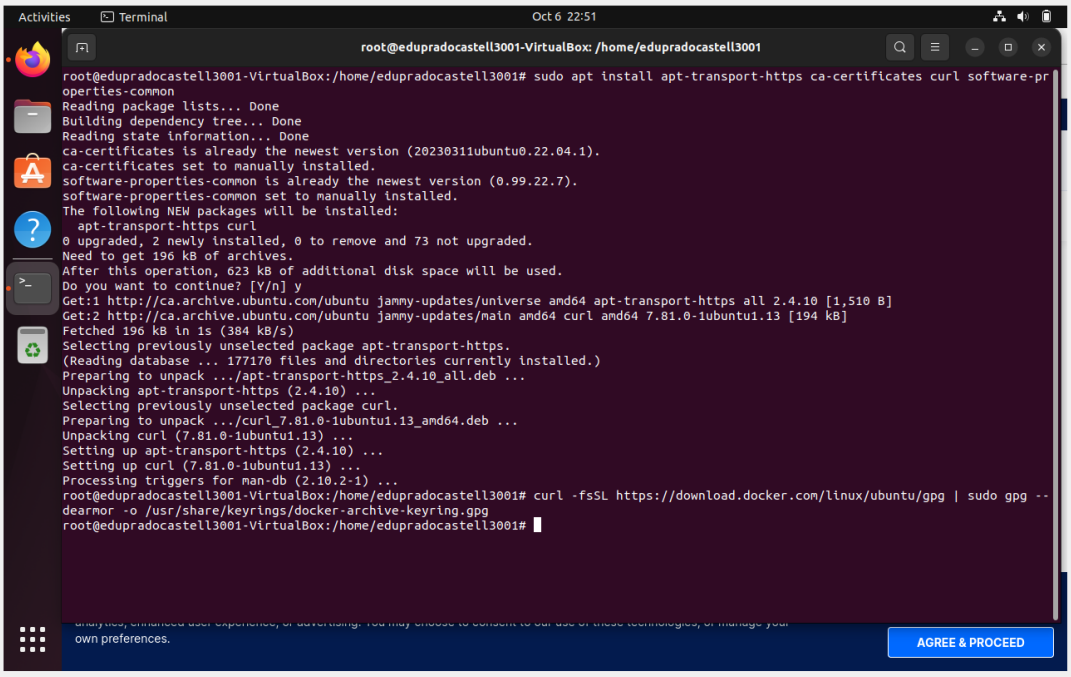
Next, install a few prerequisite packages which let apt use packages over HTTPS:

sudo apt install apt-transport-https ca-certificates curl software-properties-common



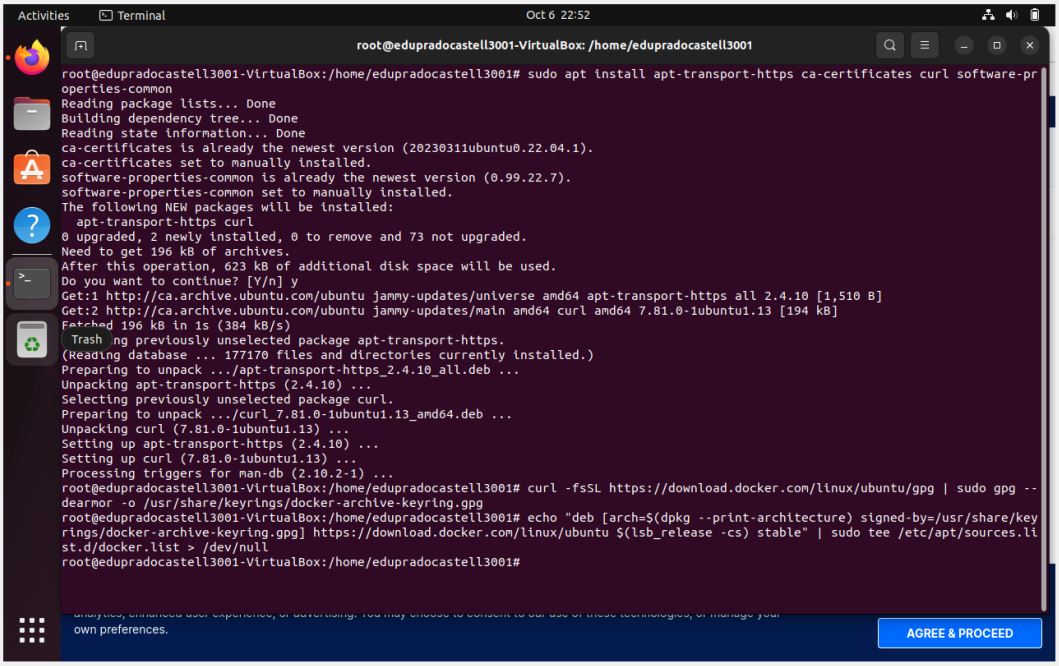
Then add the GPG key for the official Docker repository to your system:

curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo gpg --dearmor -o /usr/share/keyrings/docker-archive-keyring.gpg



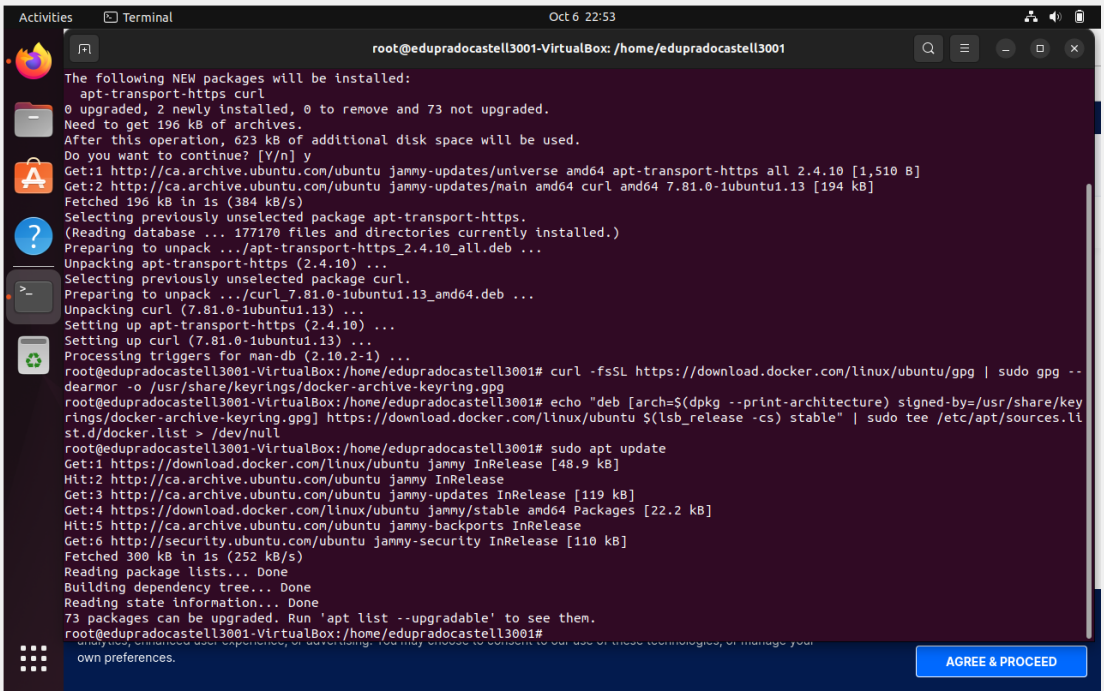
Add the Docker repository to APT sources:

echo "deb [arch=$(dpkg --print-architecture) signed-by=/usr/share/keyrings/docker-archive-keyring.gpg] https://download.docker.com/linux/ubuntu $(lsb_release -cs) stable" | sudo tee /etc/apt/sources.list.d/docker.list > /dev/null

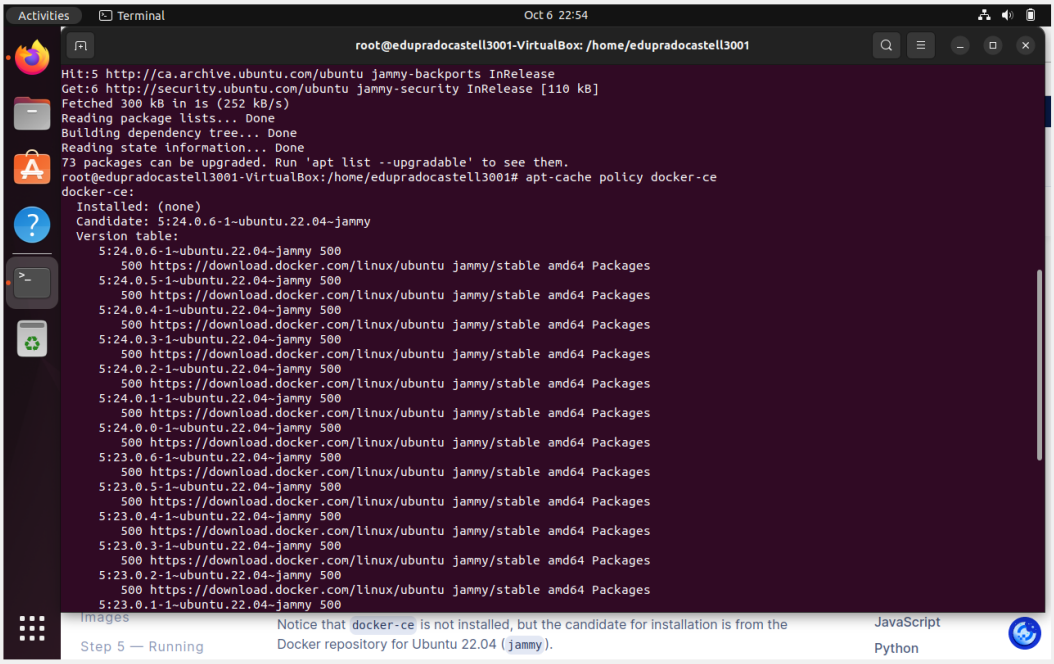


Update your existing list of packages again for the addition to be recognized:

sudo apt update

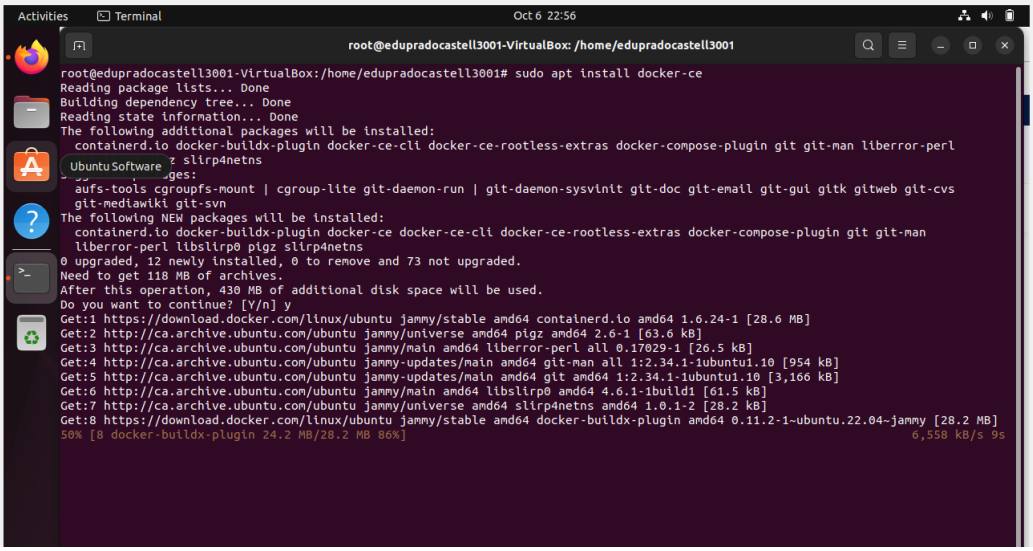


We can see output like this, although the version number for Docker may be different:

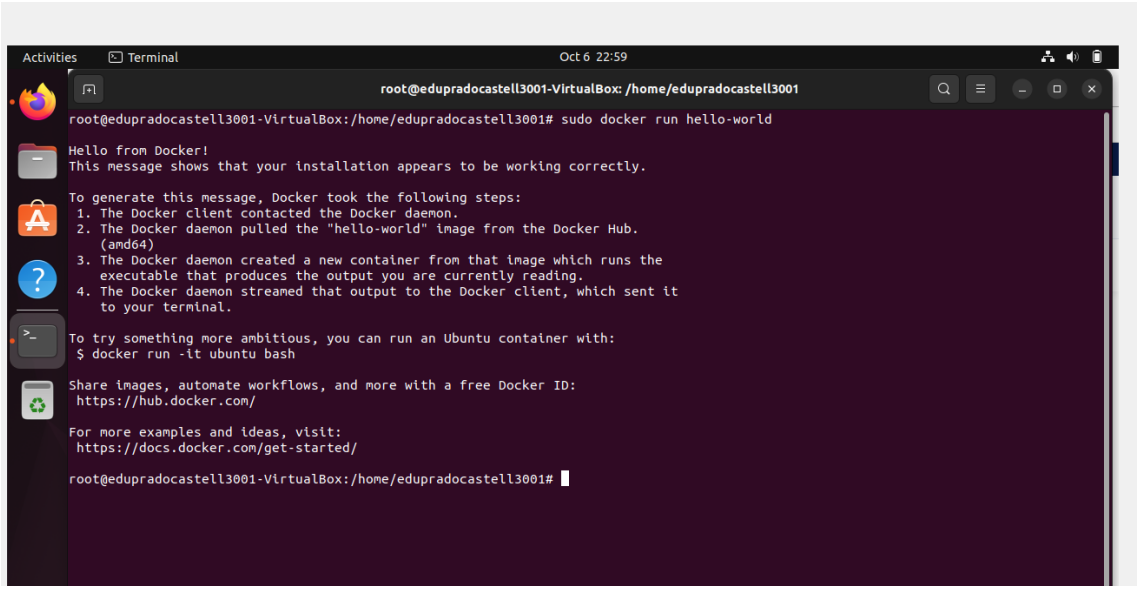


Finally, install Docker:

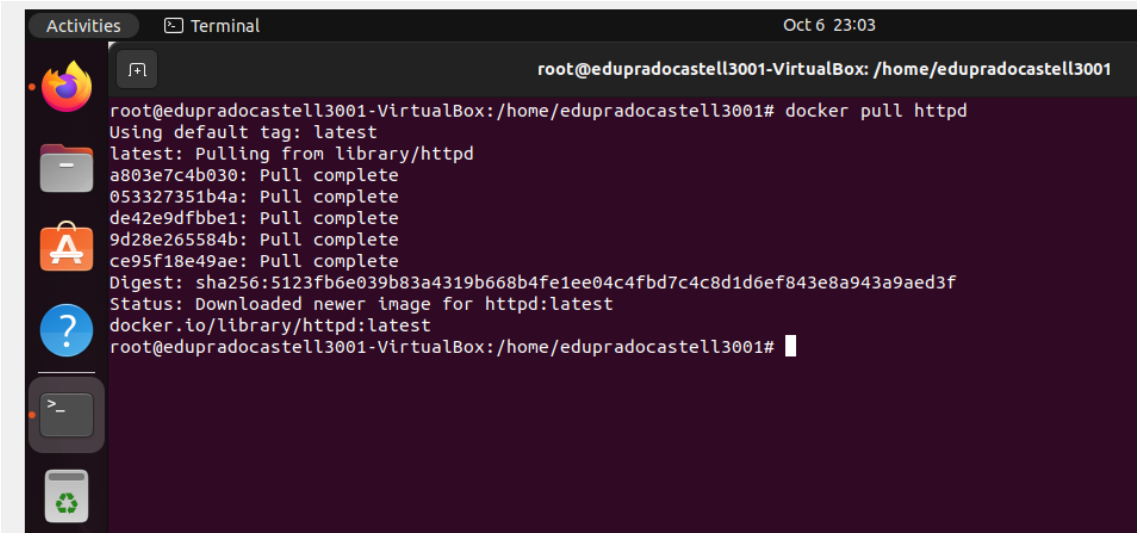
sudo apt install docker-ce



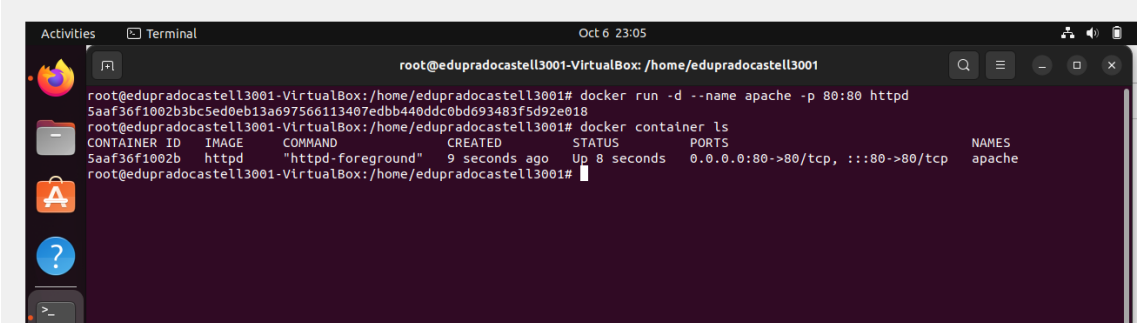
Docker Run hello-world



Download the Apache Image for Docker
docker pull httpd

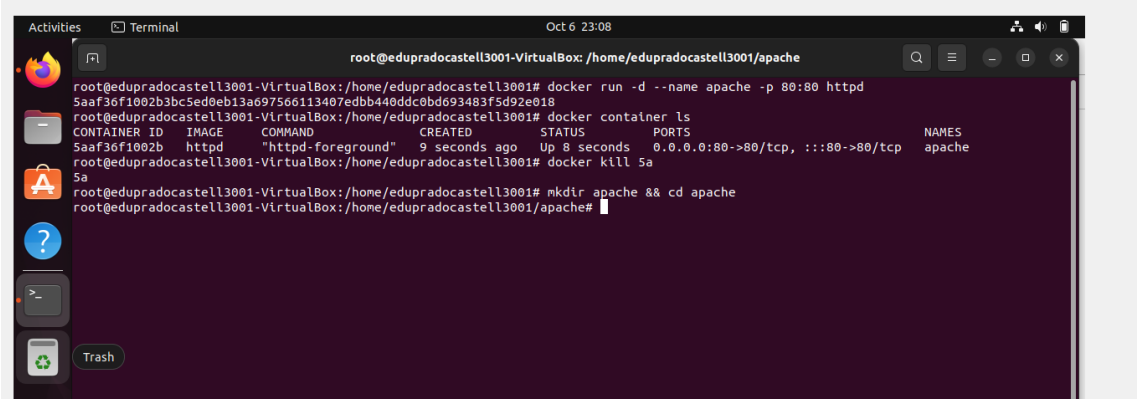


Docker run -d –name apache -p 80:80

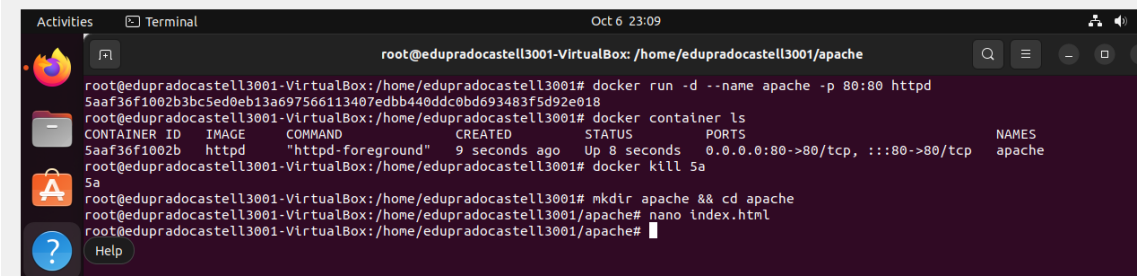


Its work!

1. Create and go to the apache directory.
   mkdir apache && cd apache



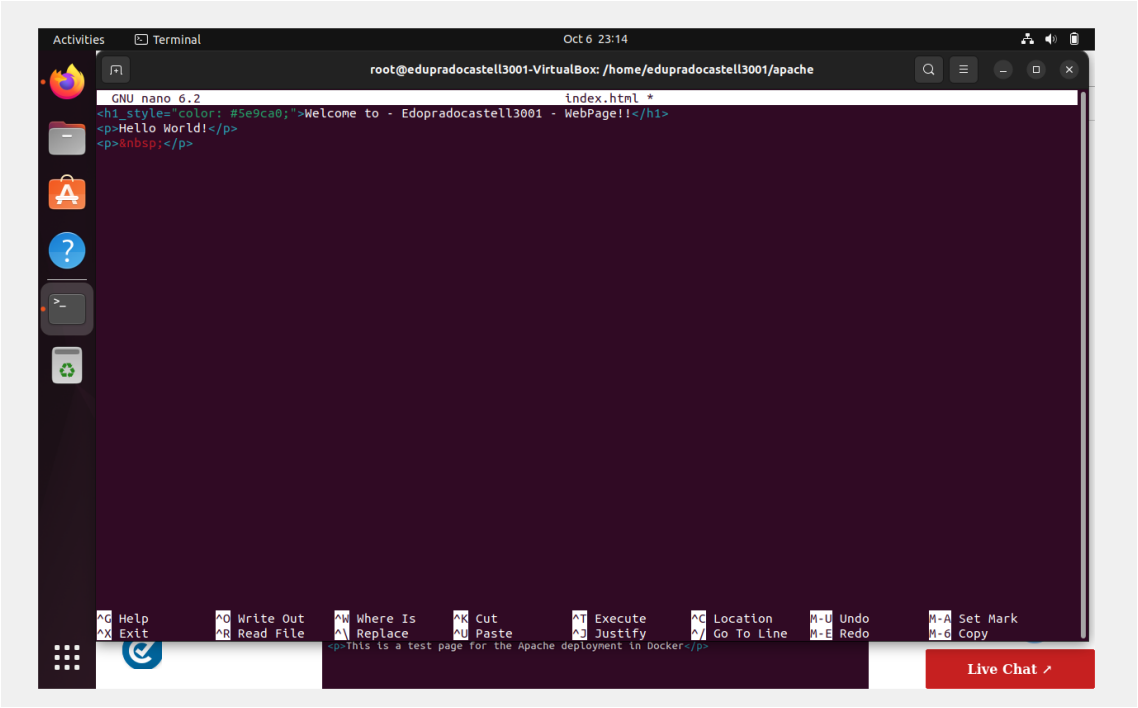
2. In the directory, create index.html
   This case we can use nano
   Nano index.html



Here I code my webpage

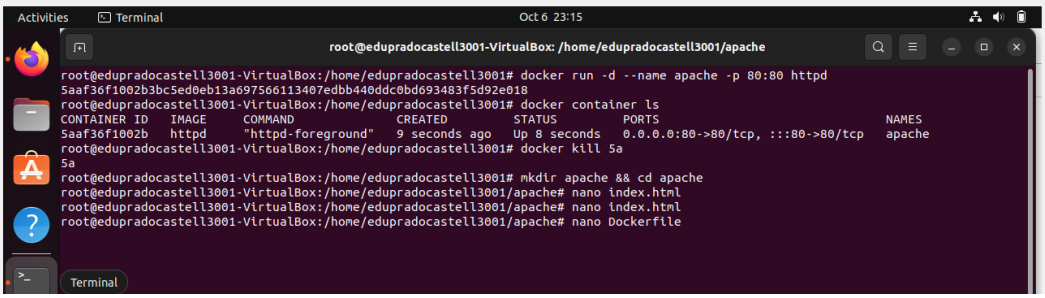
My email econestoga: edopradocastell3001

Finally save the file.



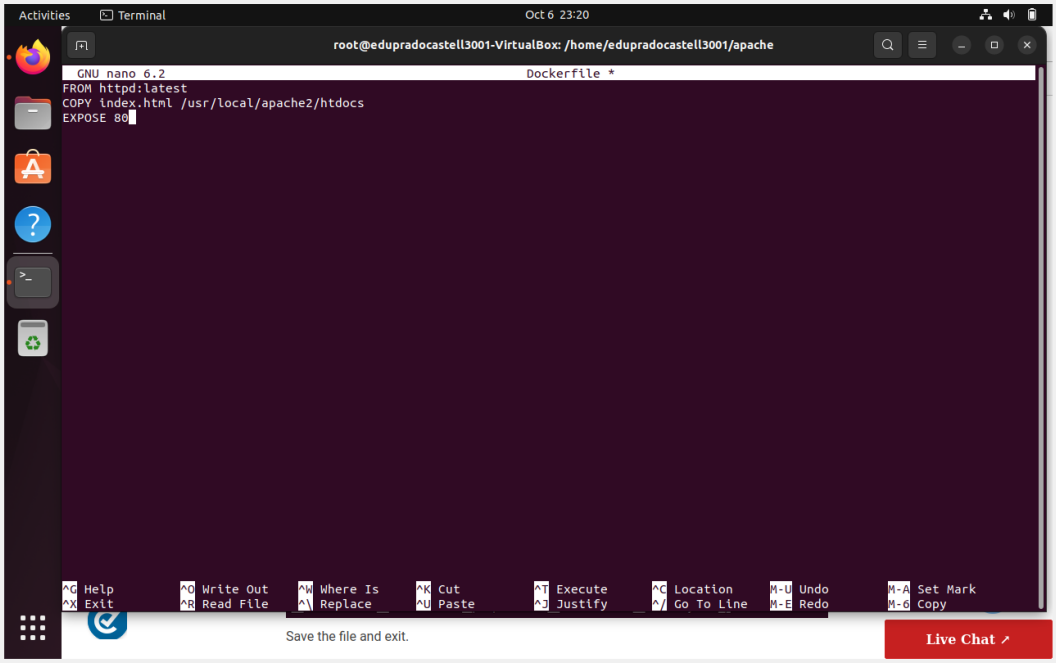
Next, build Docker file

Nano dockerfile



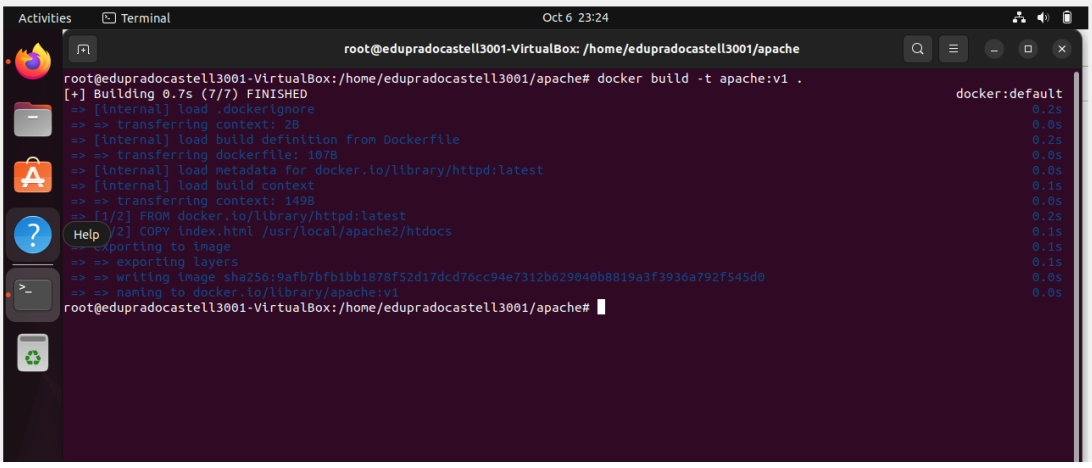
Write the image configuration.

Save the file and exit.

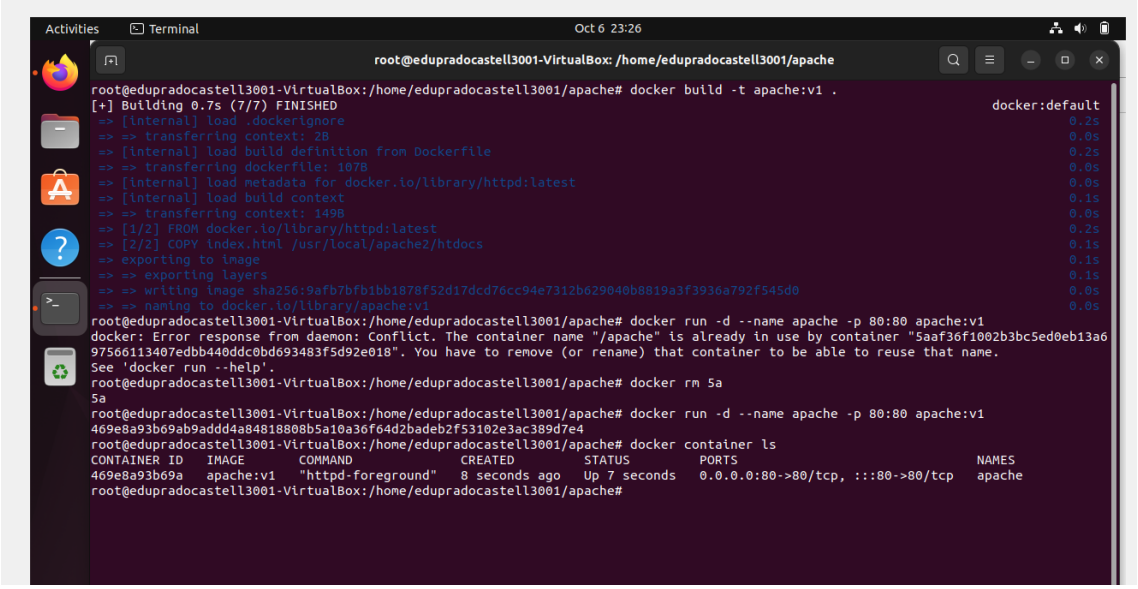


Use **docker build** to create a Dockerfile-based image.

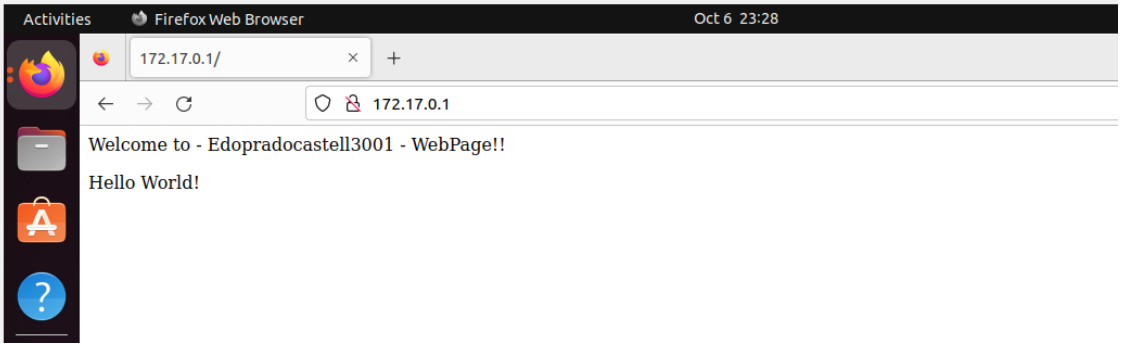
Docker build -t apache:v1 .



Run Apache Dockerfile as a Container
Docker run -d –name apache -p 80:80 apache:v1

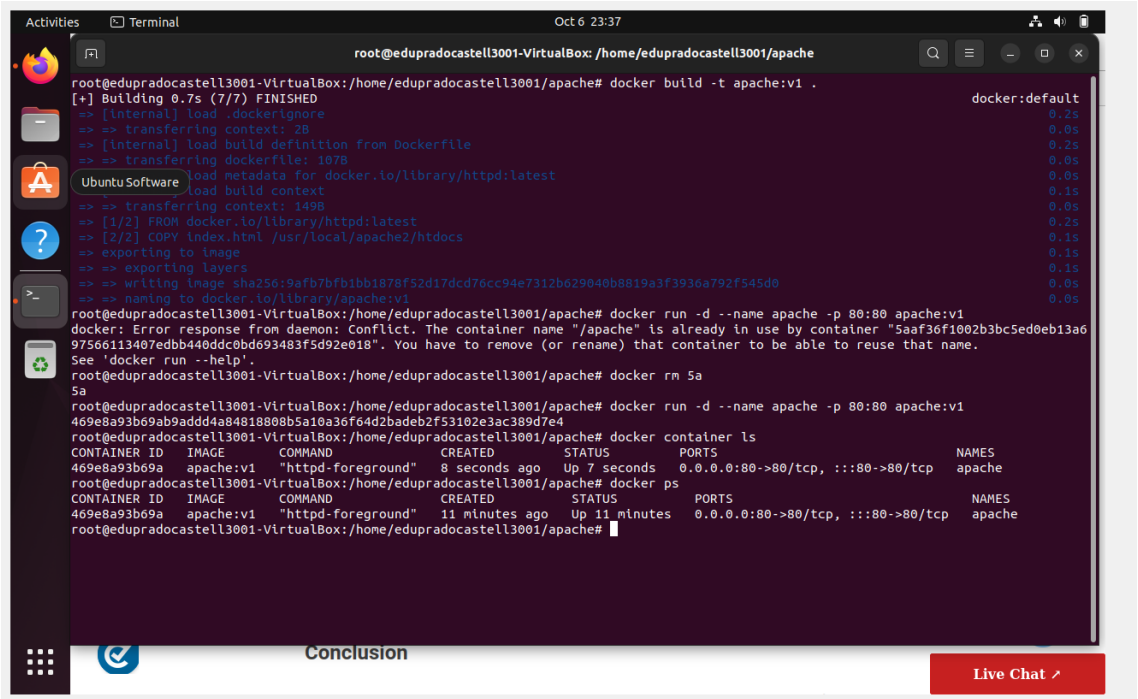


The image below shows the webpage it’s my index.html



Docker ps

Container id 469e8a93b69a



In resume after 8 days still up.