

Se clona el repositorio del taller de docker

```
root@admin1-VirtualBox:~# git clone https://github.com/sergioarmgpl/taller-docker.git
Clonando en 'taller-docker'...
remote: Enumerating objects: 136, done.
remote: Counting objects: 100% (16/16), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 136 (delta 13), reused 13 (delta 13), pack-reused 120
Recibiendo objetos: 100% (136/136), 45.40 KiB | 307.00 KiB/s, listo.
Resolviendo deltas: 100% (52/52), listo.
root@admin1-VirtualBox:~# cd taller-docker/
root@admin1-VirtualBox:~/taller-docker# ls
imgs          taller1-introduccion.md  taller3-source
key           taller2-acceso-puertos.md taller4-docker-compose.md
README.md     taller3-dockerfiles.md   taller4-source
root@admin1-VirtualBox:~/taller-docker# cd taller3-docker/
-bash: cd: taller3-docker/: No existe el archivo o el directorio
root@admin1-VirtualBox:~/taller-docker# cd taller3-source/
root@admin1-VirtualBox:~/taller-docker/taller3-source# nano Dockerfile
```

Se visualiza el contenido que tiene el archivo Dockerfile

```
root@admin1-VirtualBox: ~/taller-docker/taller3-source
GNU nano 4.8 Dockerfile
FROM ubuntu:18.04
MAINTAINER CloudNativePlusGT
RUN apt-get update
RUN apt-get install -y apache2
RUN rm /var/www/html/*
COPY index.html /var/www/html/
CMD ["/usr/sbin/apache2ctl", "-D", "FOREGROUND"]
EXPOSE 80

[ 8 líneas leídas ]
^G Ver ayuda  ^O Guardar  ^W Buscar  ^K Cortar Texto ^J Justificar  ^C Posición
^X Salir      ^R Leer fich. ^\ Reemplazar ^U Pegar  ^T Ortografía ^_ Ir a línea
```

Se ingreso al docker hub mediante la terminal

```
root@admin1-VirtualBox: ~/taller-docker/taller3-source
root@admin1-VirtualBox:~# docker login
Login with your Docker ID to push and pull images from Docker Hub. If you don't have a Docker ID, head over to https://hub.docker.com to create one.
Username: juliantovar99
Password:
WARNING! Your password will be stored unencrypted in /root/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
```

Se crea la imagen llamada "apache"

```
build.sh Dockerfile index.html
root@admin1-VirtualBox:~/taller-docker/taller3-source# docker build -t apache .
[+] Building 23.8s (10/10) FINISHED
=> [internal] load build definition from Dockerfile                                0.0s
=> => transferring dockerfile: 249B                                              0.0s
=> [internal] load .dockerignore                                                  0.1s
=> => transferring context: 2B                                                  0.0s
=> [internal] load metadata for docker.io/library/ubuntu:18.04                  0.0s
=> [1/5] FROM docker.io/library/ubuntu:18.04                                    0.0s
=> [internal] load build context                                                  0.0s
=> => transferring context: 117B                                                0.0s
=> [2/5] RUN apt-get update                                                       7.1s
=> [3/5] RUN apt-get install -y apache2                                         15.3s
=> [4/5] RUN rm /var/www/html/*                                                  0.4s
=> [5/5] COPY index.html /var/www/html/                                         0.1s
=> exporting to image                                                            0.8s
=> => exporting layers                                                            0.8s
=> => writing image sha256:4ec1a183fdd8afd6f9483d0b7405a118ceed9aa2db8a062a3beff6c5e 0.0s
=> => naming to docker.io/library/apache                                       0.0s
```

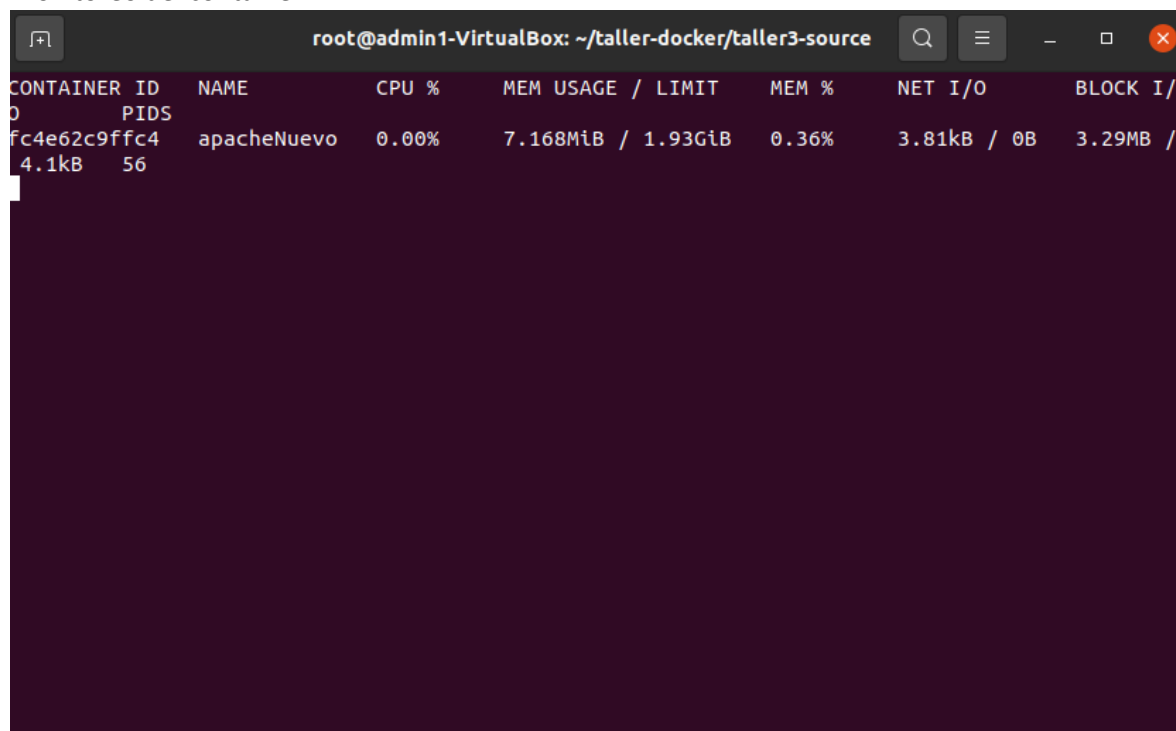
Se sube la imagen al repositorio

```
root@admin1-VirtualBox:~/taller-docker/taller3-source# docker tag apache juliantovar99/apache
root@admin1-VirtualBox:~/taller-docker/taller3-source# docker push juliantovar99/apache
Using default tag: latest
The push refers to repository [docker.io/juliantovar99/apache]
767bc7749c31: Pushed
ad7be507a61a: Pushed
5900a05a62c6: Pushed
09209301774c: Pushed
b7e0fa7bfe7f: Mounted from library/ubuntu
latest: digest: sha256:fad6b95d3ee576e97a688083f78831fc33489b442032e998db197829402bf73e size: 1367
```

Se pone a correr la imagen de apache

```
root@admin1-VirtualBox:~/taller-docker/taller3-source# docker run -it -d -p 8888:80 --name=apacheNuevo juliantovar99/apache
fc4e62c9ffc41085b4b9ca651e45b2c5c98a16158034b031a661b6fbe9434c86
```

Monitoreo del container



A terminal window titled "root@admin1-VirtualBox: ~/taller-docker/taller3-source" displays the output of the `docker ps` command. The output is a table with columns: CONTAINER ID, NAME, CPU %, MEM USAGE / LIMIT, MEM %, NET I/O, and BLOCK I/O. One container is listed: `fc4e62c9ffc4` with name `apacheNuevo`, showing 0.00% CPU usage, 7.168MiB memory usage, and 3.81kB network I/O.

CONTAINER ID	NAME	CPU %	MEM USAGE / LIMIT	MEM %	NET I/O	BLOCK I/O
fc4e62c9ffc4	apacheNuevo	0.00%	7.168MiB / 1.93GiB	0.36%	3.81kB / 0B	3.29MB / 4.1kB