

# Ejercicios Docker

## Ejercicios Docker

### Ejercicio Dockerfile

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## Ejercicio Dockerfile

### 1. Contenido del Dockerfile y creación de la imagen

```
docker build -t servidor_apache2 .
```

```
claudia@claudia-VirtualBox:/var/www/html$ ls
Dockerfile  ejemplo_html
claudia@claudia-VirtualBox:/var/www/html$ sudo docker build -t servidor_apache2 .
Sending build context to Docker daemon  3.584kB
Step 1/5 : FROM debian
--> 6f4986d78878
Step 2/5 : RUN apt-get update && apt-get install -y apache2 && apt-get clean && rm -rf /var/lib/apt/lists/*
--> Using cache
--> 5d22759f7a75
Step 3/5 : ADD ejemplo_html /var/www/html
--> 85c2fdde06b1
Step 4/5 : EXPOSE 80
--> Running in 3ff8cf67f8a4
Removing intermediate container 3ff8cf67f8a4
--> b2412d12eafc
Step 5/5 : CMD ["/usr/sbin/apache2ctl", "-D", "FOREGROUND"]
--> Running in 6954a38a39e6
Removing intermediate container 6954a38a39e6
--> 99c76cf784ee
Successfully built 99c76cf784ee
Successfully tagged servidor_apache2:latest
```

### 2. Imagen subida a Dockerhub

```
docker tag serverclau:latest clauclase/dockerhub:latest
docker push clauclase/dockerhub:latest
```

```
claudia@claudia-VirtualBox:~$ docker tag serverclau:latest clauclase/dockerhub:latest
claudia@claudia-VirtualBox:~$ docker push clauclase/dockerhub:latest
The push refers to repository [docker.io/clauclase/dockerhub]
bfc68365ead1: Pushed
770e62e66670: Pushed
196bb06a62ce: Pushed
11936051f93b: Pushed
latest: digest: sha256:3335926d10438279205829b66f37ca97828cb0b5b0f931dadf74b896de18f642 size: 1156
```

### 3. Bajada de imagen y creación de contenedor

```
docker pull clauclase/dockerhub:latest
docker images
```

```

clientlinux@clientlinux-VirtualBox:~$ sudo docker pull clauclase/dockerhub:latest
latest: Pulling from clauclase/dockerhub
0e29546d541c: Pull complete
08ddfafecf79: Pull complete
fbb8bc73cd96: Pull complete
60857b8ea6d3: Pull complete
Digest: sha256:3335926d10438279205829b66f37ca97828cb0b5b0f931dadf74b896de18f642
Status: Downloaded newer image for clauclase/dockerhub:latest
docker.io/clauclase/dockerhub:latest
clientlinux@clientlinux-VirtualBox:~$ sudo docker images
REPOSITORY          TAG          IMAGE ID          CREATED          SIZE
clauclase/dockerhub latest       08b82d7d9396     3 days ago      235MB

```

```

docker run --name servermerino -d -p 80:80 clauclase/dockerhub:latest
docker ps -a

```

```

clientlinux@clientlinux-VirtualBox:~$ sudo docker run --name servermerino -d
-p 80:80 clauclase/dockerhub:latest
0dd09559e0eae7373fb20e0254c1c8a56dd5204050431791e090a2d90c72a16
clientlinux@clientlinux-VirtualBox:~$ sudo docker ps -a
CONTAINER ID   IMAGE          COMMAND                  CREATED
STATUS        PORTS          NAMES
0dd09559e0ea   clauclase/dockerhub:latest   "/usr/sbin/apache2ct..."   About a mi
nute ago      Up About a minute   0.0.0.0:80->80/tcp, :::80->80/tcp   servermerino
clientlinux@clientlinux-VirtualBox:~$

```

#### 4. Acceso al sitio web

