

# Práctica Docker: Ubuntu + Apache

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Descargar imagen Ubuntu

```
docker pull ubuntu:20.04
```

Ejecutar contenedor con la imagen

```
docker run -p 8080:80 -ti --name ServidorWeb ubuntu:20.04 /bin/bash
```

**Note: Docker doesn't automatically expose ports outside of containers.**

Start a shell in the container

```
docker exec -it <container ID> bash
```

Check the OS information

```
cat /etc/os-release
```

Docker inspect provides detailed information on constructs controlled by Docker.

```
docker inspect <container ID>
```

Save the state of the container by running the following command

```
docker commit -p container_id new_container_name
```

Instalar Apache

```
apt update  
apt install apache2
```

Verificar Apache

```
service apache2 status  
service apache2 start  
service apache2 stop  
service apache2 restart
```

Instalar Curl

```
apt update  
apt upgrade  
apt install curl
```

## Instalar editor de texto Nano

```
apt-get install nano
```

## Editar fichero con Nano

```
nano -w /etc/apache2/apache2.conf
```

## mostrar el contenido de una página

```
curl localhost:8080
```

## Cambiar de directorio

```
cd /var/www/html
```

## Crear fichero

```
nano prueba.html
```

## Documento HTML de prueba

```
<!DOCTYPE html>
<html>
  <head>
    <title>Page Title</title>
  </head>
  <body>
    Esto es una prueba.<br>
    We made it!!
  </body>
</html>
```

## Enlaces de Interés:

<https://www.baeldung.com/ops/assign-port-docker-container>

<https://spacelift.io/blog/docker-expose-port>

<https://www.makeuseof.com/run-ubuntu-as-docker-container/>