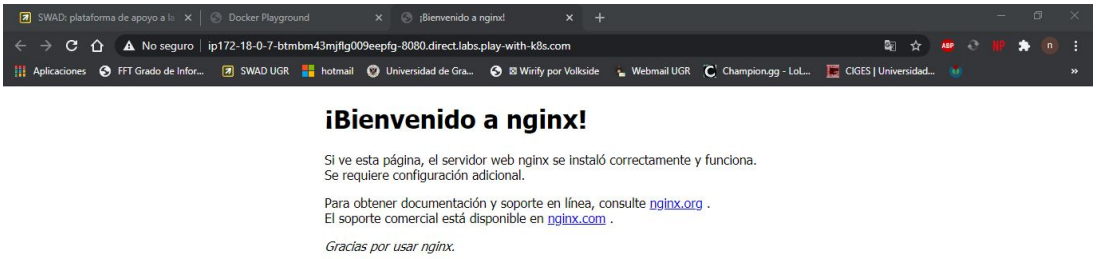
CPD_Practica_1. Docker

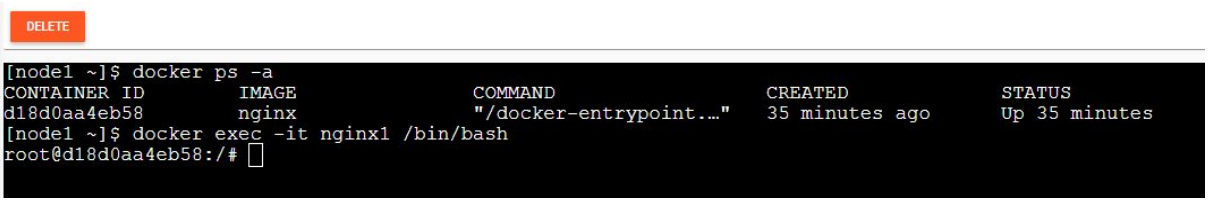
Del apartado VI, captura personalizada del acceso a NGINX con un fichero index.html modificado.

1. **Descargamos la imagen NGINX con el comando:**
   docker run --name nginx1 -p8080:80 -p8443:443 -d nginx

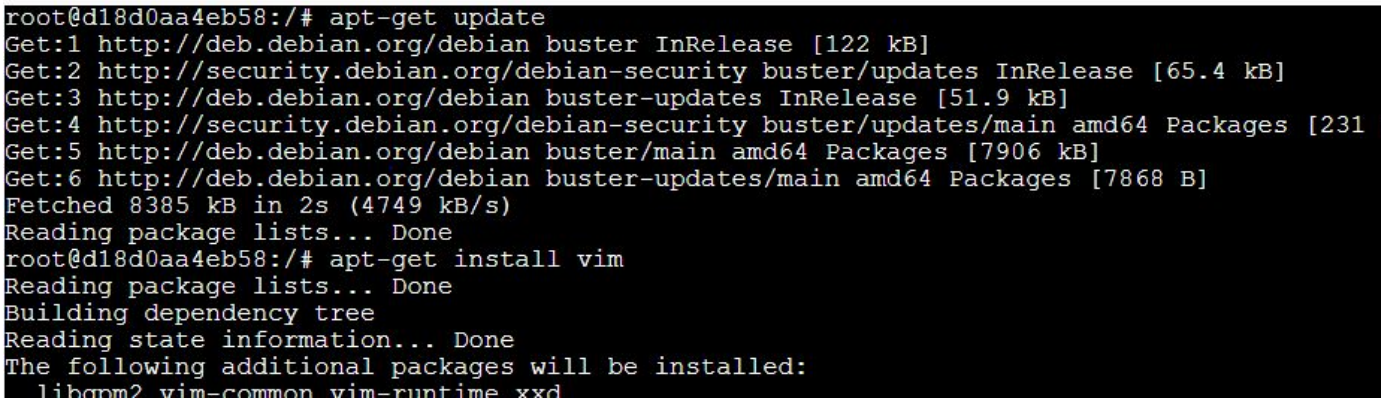
2. **Si pinchamos en 8080 veremos:**



3. **Entramos en nuestro contenedor:**



4. **Hacemos Update y instalamos “vim” para poder modificar posteriormente el html**



5. **En la ruta siguiente modificamos el fichero html para que muestre lo que deseamos:**

root@d18d0aa4eb58:/usr/share/nginx/html#
hacemos “vi index.html”

```
<!DOCTYPE html>
<html>
<head>
<title>P1 CPD ,MODIFICACION </title>
<style>
    body {
        width: 35em;
        margin: 0 auto;
        font-family: Tahoma, Verdana, Arial, sans-serif;
    }
</style>
</head>
<body>
<h1>P1 CPD, Modificacion</h1>
<p>If you see this page, the nginx web server is successfully installed and
working. Further configuration is required.</p>
```

Recargamos la pagina y vemos que se han producido los cambios.

P1 CPD, Modificacion

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

Del apartado IX, creación interactiva de un contenedor docker.

1. Creamos el contenedor:
docker run -i -t ubuntu bash

```
[node2 ~]$ docker run -i -t ubuntu bash
Unable to find image 'ubuntu:latest' locally
latest: Pulling from library/ubuntu
e6ca3592b144: Pull complete
534a5505201d: Pull complete
990916bd23bb: Pull complete
Digest: sha256:cbcf86d7781dbb3a6aa2bcea25403f6b0b443e20b9959165cf52d2cc9608e4b9
Status: Downloaded newer image for ubuntu:latest
root@ac3c84d0acbf:/#
```

Estaremos dentro del contenedor, actualizaremos.
apt update

```
root@811f68c7cd43:/# apt update
```

apt upgrade

```
root@811f68c7cd43:/# apt upgrade
```

Instalamos nginx:
apt install nginx

```
root@811f68c7cd43:/# apt install nginx
```

Salimos con: **exit**

Guardamos imagen **docker commit mi_imagen**
podemos consultar la ide de nuestro contenedor con **docker ps -a**

```
[node2 ~]$ docker ps -a
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS
   PORTS               NAMES
ac3c84d0acbf        ubuntu              "bash"              10 minutes ago      Exited (0) 16 seconds ago
                    clever_benz
[node2 ~]$ docker commit ubuntu mi_imagen
Error response from daemon: No such container: ubuntu
[node2 ~]$
[node2 ~]$ docker commit ac3c84d0acbf mi_imagen
sha256:86b7a217cb35cbb813aaf035246f59f816f8ae314c6926c0bf814a114093f6b5
[node2 ~]$
```

Comprobamos que está disponible nuestra imagen
docker images

URL
ip172-18-0-5-btmbm43mjflg009eepfg.direct.labs.play-with-k

DELETE

```
[node2 ~]$ docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
mi_imagen           latest              86b7a217cb35        57 seconds ago      171MB
ubuntu              latest              bb0eaf4eee00        7 days ago          72.9MB
[node2 ~]$
```

Del anexo1, acceso por SSHFS.

Como esas máquinas virtuales son CentOS 7, hacemos una instalación con yum:
yum -y install epel-release

```
[node5 ~]$ yum -y install epel-release
```

yum clean all

```
[node5 ~]$ yum clean all
```

yum -y install fuse-sshfs

```
[node5 ~]$ yum -y install fuse-sshfs
```

Creamos un directorio y montamos remotamente nuestro home en él.
mkdir mi_turing

```
[node5 ~]$ mkdir mi_turing
[node5 ~]$ ls
anaconda-ks.cfg  mi_turing
```

```
[node5 ~]$ sshfs igmorillas@turing.ugr.es:. mi_turing
```

Aquí se ve lo que tengo en el interior de mi directorio

```
[node5 ~]$ ls
anaconda-ks.cfg  mi_turing
[node5 ~]$ ls ./mi_turing/
.Trash-2989/                MC/                        ej2.c
.cache/                     PDOO/                      ej3
.ssh/                       SCD/                       ej3.c
4 Practica 4/               SO/                        examen.txt
4 Practica 4.zip            SONachoElSalvador.zip      netflix
ACAP/                       SOañopasado/               netflix.txt
```

desmontar el directorio
umount mi_turing

```
[node5 ~]$ umount mi_turing
```