

Laboratorio 03

2. Servidor Nginx

Crea un servidor Nginx llamado bootcamp-web y copia el contenido de la carpeta web en la ruta que sirve este servidor web.

- Ejecuta dentro del contenedor la acción ls, para comprobar que los archivos se han copiado correctamente.
- Revisar documentacion nginx https://hub.docker.com/_/nginx
- Hacer que el servidor web sea accesible desde el puerto 9999 de tu local.

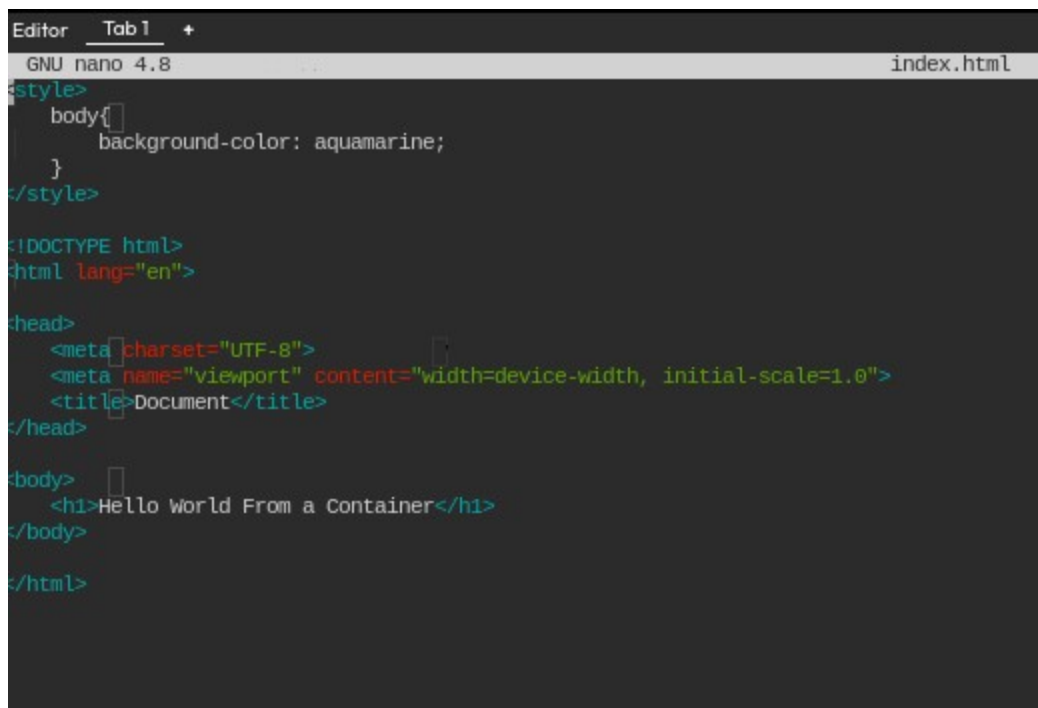
```
docker pull nginx:latest
```

```
[worker1] (local) root@192.168.0.8 ~  
$ docker pull nginx:latest  
latest: Pulling from library/nginx  
bb263680fed1: Pull complete  
258f176fd226: Pull complete  
a0bc35e70773: Pull complete  
077b9569ff86: Pull complete  
3082a16f3b61: Pull complete  
7e9b29976cce: Pull complete  
Digest: sha256:6650513efd1d27c1f8a5351cbd33edf85cc7e0d9d0fcb4ffb23d8fa89b601ba8  
Status: Downloaded newer image for nginx:latest  
docker.io/library/nginx:latest  
[worker1] (local) root@192.168.0.8 ~
```

```
docker run -d --name bootcamp-web -p 9999:80 nginx
```

```
[worker1] (local) root@192.168.0.8 ~  
$ docker run --name bootcamp-web -p 9999:80 -d nginx  
198a3a9830af58111cf14d2b40b7038c6d9c2b3592e0c9f8edf58d3e0dd7b1bc  
[worker1] (local) root@192.168.0.8 ~
```

Crear la carpeta web y archivo index.html

A screenshot of a terminal window with the nano text editor open. The editor's title bar shows 'Editor Tab 1' and 'GNU nano 4.8'. The file being edited is 'index.html'. The code in the editor is a valid HTML document. It starts with a style block setting the background color to 'aquamarine'. This is followed by the HTML declaration, a head section with meta tags for charset and viewport, and a title 'Document'. The body contains a single h1 tag with the text 'Hello World From a Container'.

```
Editor Tab 1 +
GNU nano 4.8 index.html
<style>
  body{
    background-color: aquamarine;
  }
</style>

<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>

<body>
  <h1>Hello World From a Container</h1>
</body>

</html>
```

```
[worker1] (local) root@192.168.0.8 ~
$ cat index.html
<style>
  body{
    background-color: aquamarine;
  }
</style>

<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>

<body>
  <h1>Hello World From a Container</h1>
</body>

</html>
```

Verificar que este iniciado el contenedor

ps -a

```
[worker1] (local) root@192.168.0.8 ~
$ docker ps -a
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS               NAMES
198a3a9830af   nginx    "/docker-entrypoint. ...." 16 minutes ago Up 15 minutes    0.0.0.0:9999->80/tcp   bootcamp-web
```

Copia del archivo local al contenedor bootcamp-web:

docker cp index.html bootcamp-web:/usr/share/nginx/html

```
[worker1] (local) root@192.168.0.8 ~
$ docker cp index.html bootcamp-web:/usr/share/nginx/html
[worker1] (local) root@192.168.0.8 ~
```

Ejecutar el contenedor: docker exec -it bootcamp-web /bin/bash

```
[worker1] (local) root@192.168.0.8 ~
$ docker exec -it bootcamp-web /bin/bash
root@198a3a9830af:/#
```

Verificar que efectivamente se haya copiado con el comando ls -l

```
root@198a3a9830af:/# cd /usr/share/nginx/html/
root@198a3a9830af:/usr/share/nginx/html# ls -la
total 8
drwxr-xr-x 1 root root  24 Feb 26 19:53 .
drwxr-xr-x 1 root root  18 Feb  9 04:36 ..
-rw-r--r-- 1 root root 497 Dec 13 15:53 50x.html
-rw-r--r-- 1 root root 319 Feb 26 19:49 index.html
```

Mostrar el contenido del archivo index.html

cat index.html

```
root@198a3a9830af:/usr/share/nginx/html# cat index.html
<style>
  body{
    background-color: aquamarine;
  }
</style>

<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>

<body>
  <h1>Hello World From a Container</h1>
</body>

</html>
```

Hacer que el servidor web sea accesible desde el puerto 9999 de tu local.

← → ↻ ⚠ No seguro | ip172-18-0-43-cftr87v91rrg00ac5be0-9999.direct.labs.play-with-docker.com

Hello World From a Container