

## U0\_T7:Volúmenes y Redes

### Volúmenes y Redes con Docker

Crear dos contenedores en ejecución:

- Dichos contenedores serán servidores web nginx
- Dichos contenedores tendrán dos interfaces de red. Un interfaz de red de tipo A y otro de tipo B. Adicionalmente esos servidores serán accesibles a través de los puertos 8181 y 8484.
- Los dos contenedores web, deben compartir un bind mount con una carpeta en la que pondremos un archivo index.html que muestre vuestro nombre dentro de una etiqueta h1.

Creo los contenedores con la red por defecto

```
sebas@SebasUbuntuPC:~$ sudo docker run --name nginx1 -v /home/sebas/Documentos/BindMount:/usr/share/nginx/html -d -p 8181:80 nginx
f46d78cf909eca3be34bac077461a5020a6ca344e9b4a7eb3874e6a14b0bbb9e
sebas@SebasUbuntuPC:~$
```

```
sebas@SebasUbuntuPC:~$ sudo docker run --name nginx2 -v /home/sebas/Documentos/BindMount:/usr/share/nginx/html -d -p 8484:80 nginx
98699dcba9c896b6265fc383e579db86169f7514f3c09bcd4a4efd9bc3c35031
sebas@SebasUbuntuPC:~$
```

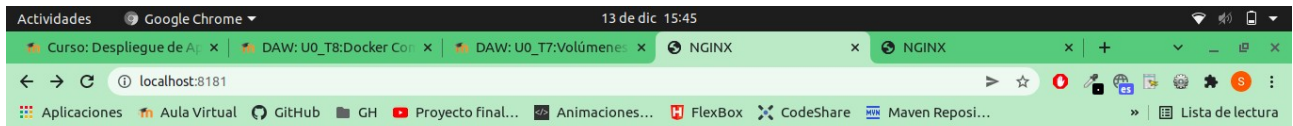
Tengo creadas las red1 y red 2.

```
sebas@SebasUbuntuPC:~$ sudo docker network ls
NETWORK ID          NAME                DRIVER              SCOPE
78e8230269f3        bridge             bridge              local
9cc5712e2a77        host               host                local
4be693edf910        none              null                local
6724bf23df18        red1               bridge              local
9ad2f426aaae        red2               bridge              local
sebas@SebasUbuntuPC:~$
```

Conecto las dos redes a cada contenedor.

```
sebas@SebasUbuntuPC:~$ sudo docker network connect red1 nginx1
sebas@SebasUbuntuPC:~$ sudo docker network connect red2 nginx1
sebas@SebasUbuntuPC:~$ sudo docker network connect red1 nginx2
sebas@SebasUbuntuPC:~$ sudo docker network connect red2 nginx2
sebas@SebasUbuntuPC:~$
```

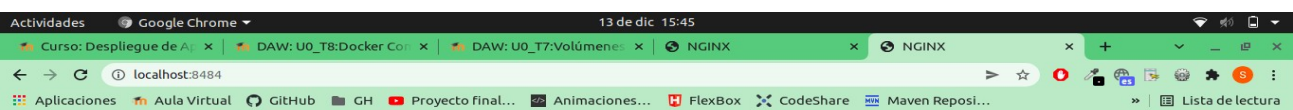
Localhost/8181 → nginx1



**SEBASTIAN BERMUDEZ HERRERA**



localhost8484 → nginx2



**SEBASTIAN BERMUDEZ HERRERA**



```
Actividades Terminal 29 de nov 13:21
sebas@SebasUbuntuPC: ~
sebas@SebasUbuntuPC:~$ sudo docker inspect nginx1
[
  {
    "Id": "d0639b331b468f6febb99f9da06be94ba2e46d8755e3ea707920b7247c2e8283",
    "Created": "2021-11-29T12:15:07.930331112Z",
    "Path": "/docker-entrypoint.sh",
    "Args": [
      "nginx",
      "-g",
      "daemon off;"
    ],
    "State": {
      "Status": "running",
      "Running": true,
      "Paused": false,
      "Restarting": false,
      "OOMKilled": false,
      "Dead": false,
      "Pid": 5635,
      "ExitCode": 0,
      "Error": "",
      "StartedAt": "2021-11-29T12:15:08.431631097Z",
      "FinishedAt": "0001-01-01T00:00:00Z"
    },
    "Image": "sha256:f8f4ffc8092c956ddd6a3a64814f36882798065799b8aedebedf2855af3395b",
    "ResolvConfPath": "/var/lib/docker/containers/d0639b331b468f6febb99f9da06be94ba2e46d8755e3ea707920b7247c2e8283/resolv.conf",
    "HostnamePath": "/var/lib/docker/containers/d0639b331b468f6febb99f9da06be94ba2e46d8755e3ea707920b7247c2e8283/hostname",
    "HostsPath": "/var/lib/docker/containers/d0639b331b468f6febb99f9da06be94ba2e46d8755e3ea707920b7247c2e8283/hosts",
    "LogPath": "/var/lib/docker/containers/d0639b331b468f6febb99f9da06be94ba2e46d8755e3ea707920b7247c2e8283/d0639b331b468f6febb99f9da06be94ba2e46d8755e3ea707920b7247c2e8283-json.log",
    "Name": "/nginx1",
    "RestartCount": 0,
    "Driver": "overlay2",
    "Platform": "linux",
    "MountLabel": ""
  }
]
```

```
Actividades Terminal 29 de nov 13:22
sebas@SebasUbuntuPC: ~
sebas@SebasUbuntuPC:~$ sudo docker inspect nginx2
[
  {
    "Id": "4645f6465f61c9bb61a2e98648ef44c0833c279f240f0c4ec831713e4db27df2",
    "Created": "2021-11-29T12:15:49.365590134Z",
    "Path": "/docker-entrypoint.sh",
    "Args": [
      "nginx",
      "-g",
      "daemon off;"
    ],
    "State": {
      "Status": "running",
      "Running": true,
      "Paused": false,
      "Restarting": false,
      "OOMKilled": false,
      "Dead": false,
      "Pid": 5785,
      "ExitCode": 0,
      "Error": "",
      "StartedAt": "2021-11-29T12:15:49.748415746Z",
      "FinishedAt": "0001-01-01T00:00:00Z"
    },
    "Image": "sha256:f8f4ffc8092c956ddd6a3a64814f36882798065799b8aedebedf2855af3395b",
    "ResolvConfPath": "/var/lib/docker/containers/4645f6465f61c9bb61a2e98648ef44c0833c279f240f0c4ec831713e4db27df2/resolv.conf",
    "HostnamePath": "/var/lib/docker/containers/4645f6465f61c9bb61a2e98648ef44c0833c279f240f0c4ec831713e4db27df2/hostname",
    "HostsPath": "/var/lib/docker/containers/4645f6465f61c9bb61a2e98648ef44c0833c279f240f0c4ec831713e4db27df2/hosts",
    "LogPath": "/var/lib/docker/containers/4645f6465f61c9bb61a2e98648ef44c0833c279f240f0c4ec831713e4db27df2/4645f6465f61c9bb61a2e98648ef44c0833c279f240f0c4ec831713e4db27df2-json.log",
    "Name": "/nginx2",
    "RestartCount": 0,
    "Driver": "overlay2",
    "Platform": "linux",
    "MountLabel": ""
  }
]
```