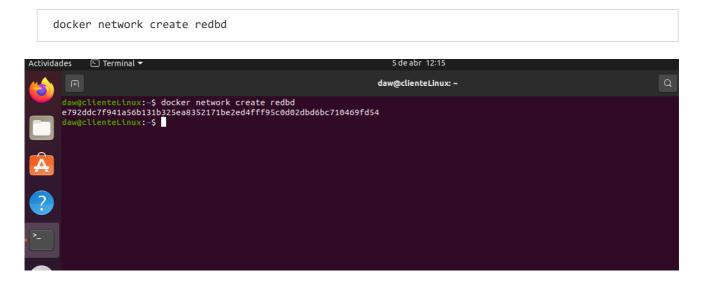
Ejercicio 3 - redes Despliegue de contenedores en red: Adminer y MariaDB

1. Crea una red bridge redbd



2.Crea un contenedor con una imagen de mariaDB que estará en la red redbd .

Este contenedor se ejecutará en segundo plano, y será accesible a través del puerto 3306. (Es necesario definir la contraseña del usuario root y un volumen de datos persistente)



3. Crea un contenedor con Adminer que se pueda conectar al contenedor de la BD

```
docker pull adminer
                           pull admine
Using default tag: latest
latest: Pulling from library/adminer
40e059520d19: Already exists
17005d1e8de6: Pull complete
a7b4c7024b81: Pull complete
c42f86642e80: Pull complete
43dc8104beab: Pull complete
bf5953a063bc: Pull complete
ac6308d67965: Pull complete
c9ca1d648f5f: Pull complete
6ff4f902cbae: Pull complete
83e78a45af34: Pull complete
15279d93718d: Pull complete
24599d250f0a: Pull complete
8cbfa55dcdee: Pull complete
ce956e8c750e: Pull complete
15cec3c253a9: Pull complete
Digest: sha256:31bd1517fd89ee609150b28bd4ea8553eeabe026e2acc0d4076748744fb0f588
Status: Downloaded newer image for adminer:latest
docker.io/library/adminer:latest
daw@clienteLinux:~$
   docker run -d --name contenedor2 --link contenedor1:mariadb --network redbd -p 8080:8080 adminer
```

```
daw@clienteLinux:~$ docker run -d --name contenedor2 --link contenedor1:mariadb --network redbd -p 8080:8080 adminer
cc9ee8a0710ad1743ad7c65dee83991bda391220784f11c2015b1f527e91da28
daw@clienteLinux:~$
```

-compruebo que los dos contenedores estan ok

```
daw@cllenteLinux:~$ docker ps

COMMAND

CREATED

STATUS

PORTS

NAMES

cc9ee8a6710a adminer "entrypoint.sh docke..." 28 seconds ago
beab88f84b43 mariadb

"docker-entrypoint.s..." 4 minutes ago

Up 4 minutes

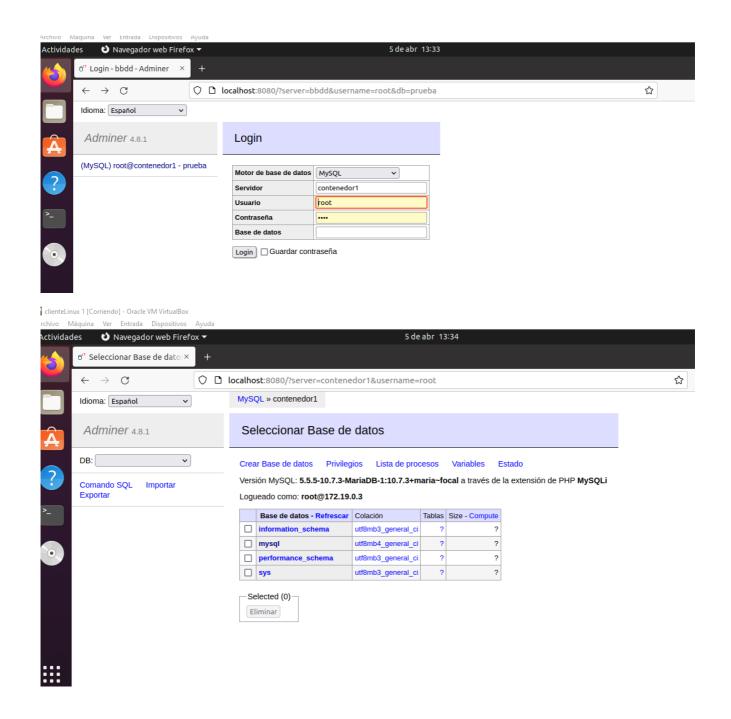
0.0.0.0:3306->3306/tcp, :::3306->3306/tcp

contenedor1

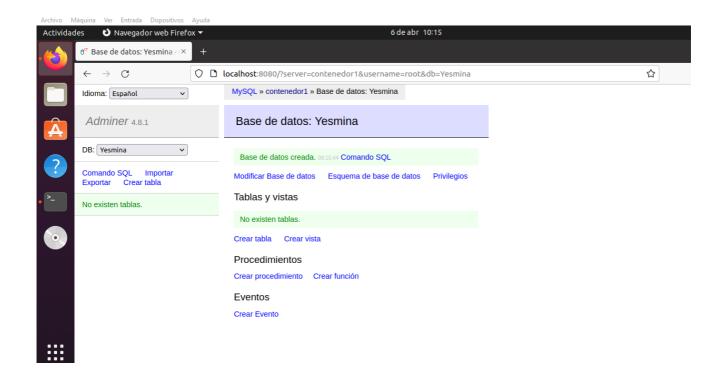
daw@cllenteLinux:~$
```

4. Comprueba que el contenedor Adminer puede conectar con el contenedor mysql abriendo un navegador web y accediendo a la

URL: http://localhost:8080

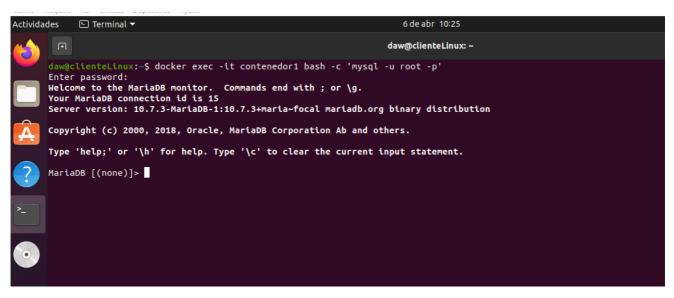


Pantallazo donde se vea la creación de una BD con la interfaz web Adminer



Pantallazo donde se entre a la consola del servidor web en modo texto y se compruebe que se ha creado la BD

docker exec -it contenedor1 bash -c 'mysql -u root -p'



Borrar los contenedores, la red, y los volúmenes utilizados

-Paramos y borramos los contenedores



-Ahora ya podriamos borrar la red

docker network rm redbd

```
aw@clienteLinux:~$ docker network rm redbd
edbd
aw@clienteLinux:~$ docker network ls
NETWORK ID
               NAME
                          DRIVER
                                    SCOPE
8d2de21e7af
                          bridge
               bridge
                                    local
id278aed517a
               host
                          host
                                    local
.f49c05f297d
                          null
                                    local
               none
aw@clienteLinux:~$
```

-Y por ultimo busco y limpio todos los volumenes creados (con lo del alamcenamiento persistente)y porque me confundi varias veces al crear los contenedores .

docker volume ls

```
1f49c05f297d
              none
                         null
                                   local
daw@clienteLinux:~$ docker volume ls
DRIVER
         VOLUME NAME
          0a0fee9bed71a71088a2025ccf7c6299068dd4f1e220389e0407e106e0966fbd
local
local
          7f346093309d8d8f09c0d444ce53f7b916681514670b60f03e1b778daf852080
local
          07d5114e75096556e595232aa0700bbae858c65900c6aa785c77493a8b38482d
local
          9cd3531d89838afb59cfa0e91a797040263ff414815612e6778378c86a61f609
local
          655fa75943947e151365b093cf9d354c5511aa56acab256b8e1d8093263e30e6
local
          d8f1c564ab838094991fa458f02864d22ee12eb42c74ad9da9824cf36d71b483
local
          da06d88f692519f9c15ad6e8c5862920d50075e9fb0d494b9be34b5a419fb080
```

docker volume prune

```
daw@clienteLinux:~$ docker volume prune
WARNING! This will remove all local volumes not used by at least one container.
Are you sure you want to continue? [y/N] y
Deleted Volumes:
0a0fee9bed71a71088a2025ccf7c6299068dd4f1e220389e0407e106e0966fbd
655fa75943947e151365b093cf9d354c5511aa56acab256b8e1d8093263e30e6
7f346093309d8d8f09c0d444ce53f7b916681514670b60f03e1b778daf852080
9cd3531d89838afb59cfa0e91a797040263ff414815612e6778378c86a61f609
d8f1c564ab838094991fa458f02864d22ee12eb42c74ad9da9824cf36d71b483
da06d88f692519f9c15ad6e8c5862920d50075e9fb0d494b9be34b5a419fb080
07d5114e75096556e595232aa0700bbae858c65900c6aa785c77493a8b38482d
Total reclaimed space: 1.015GB
```

-compruebo que se hayan borrado

```
daw@clienteLinux:~$ docker volume ls
DRIVER VOLUME NAME
daw@clienteLinux:~$
```