

# README

## Ejercicio 2

### 1.- Creamos la red tipo bridge (red por defecto).

```
docker network create redbd
```

```
alvar@DESKTOP-C4FE0CM MINGW64 ~/Documents/Estudios/Otros/Tarea Git y Docker/tareas-docker/Ejercicio 3 (feature/ejercicio3)
$ docker network create redbd
e8e36c281427d51e5b3d2b27ba1699ebb25e2fcb10614a31418bbc7674765546
```

### 2.- Creamos la db con la red redbd y el volumen persistente (aunque la imagen crea uno por defecto).

```
docker run -d --name bbdd \
-e MARIADB_ROOT_PASSWORD=root \
-e MARIADB_DATABASE=prueba \
--network redbd \
-p 3306:3306 \
-v volumen_persistente:/backup \
mariadb
```

```
alvar@DESKTOP-C4FE0CM MINGW64 ~/Documents/Estudios/Otros/Tarea Git y Docker/tareas-docker/Ejercicio 3 (feature/ejercicio3)
$ docker run -d --name bbdd \
> -e MARIADB_ROOT_PASSWORD=root \
> -e MARIADB_DATABASE=prueba \
> --network redbd \
> -p 3306:3306 \
> -v volumen_persistente:/backup \
> mariadb
1ed76a64abc4945011ecc58518ac831349da804d6165d398d74a3760be8552be

alvar@DESKTOP-C4FE0CM MINGW64 ~/Documents/Estudios/Otros/Tarea Git y Docker/tareas-docker/Ejercicio 3 (feature/ejercicio3)
$ docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS                               NAMES
1ed76a64abc4   mariadb  "docker-entrypoint.s..." About a minute ago Up About a minute   0.0.0.0:3306->3306/tcp, :::3306->3306/tcp   bbdd

alvar@DESKTOP-C4FE0CM MINGW64 ~/Documents/Estudios/Otros/Tarea Git y Docker/tareas-docker/Ejercicio 3 (feature/ejercicio3)
$ docker volume list
DRIVER      VOLUME NAME
local      722934187a2388d5477b9c24b120156919f10af91845cde0fca8d7d2d69779ef
local      volumen_persistente

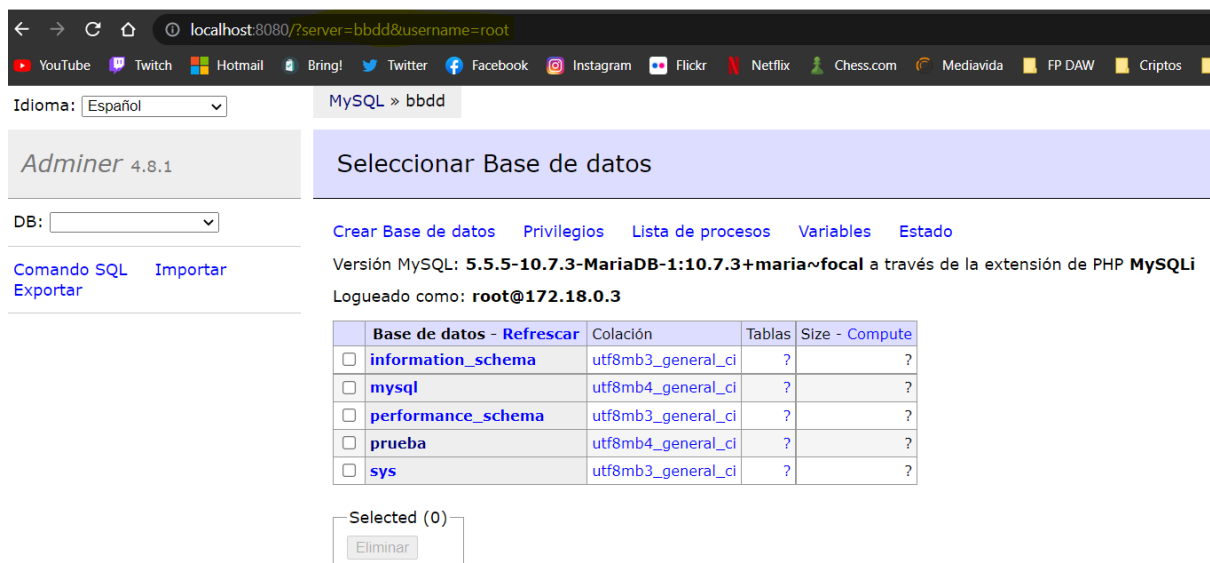
alvar@DESKTOP-C4FE0CM MINGW64 ~/Documents/Estudios/Otros/Tarea Git y Docker/tareas-docker/Ejercicio 3 (feature/ejercicio3)
$
```

### 3.- Creamos el contenedor adminer para conectar a la bbdd.

```
docker run -p 8080:8080 --network redbd -d --name web adminer
```

```
alvar@DESKTOP-C4FE0CM MINGW64 ~/Documents/Estudios/Otros/Tarea Git y Docker/tareas-docker/Ejercicio 3 (feature/ejercicio3)
$ docker run -p 8080:8080 --network redbd -d --name web adminer
Unable to find image 'adminer:latest' locally
latest: Pulling from library/adminer
df9b9388f04a: Pull complete
a60f85627e3d: Pull complete
89395091f295: Pull complete
2342a00f1dee: Pull complete
51813b9b06e8: Pull complete
e52fc2d438cf: Pull complete
76f2dee2930c: Pull complete
87f4c03739d5: Pull complete
c79f0690fda1: Pull complete
8af61c66b0bc: Pull complete
d4af57aa106b: Pull complete
045a19250ddb: Pull complete
70ab44cb8cf3: Pull complete
d53ccfcf3d00: Pull complete
ea688ae0ddd0: Pull complete
Digest: sha256:b9125cae28bf249d1d2e9c4ffa42143a39ce1edc0eccbaf83e48ad6fbb3171b6
Status: Downloaded newer image for adminer:latest
d3e4362668207ef62ff1517294a0134407e8871b96e9394e53c5019c449c7b3a
```

## 4.- Nos conectamos a la bbdd vía web.

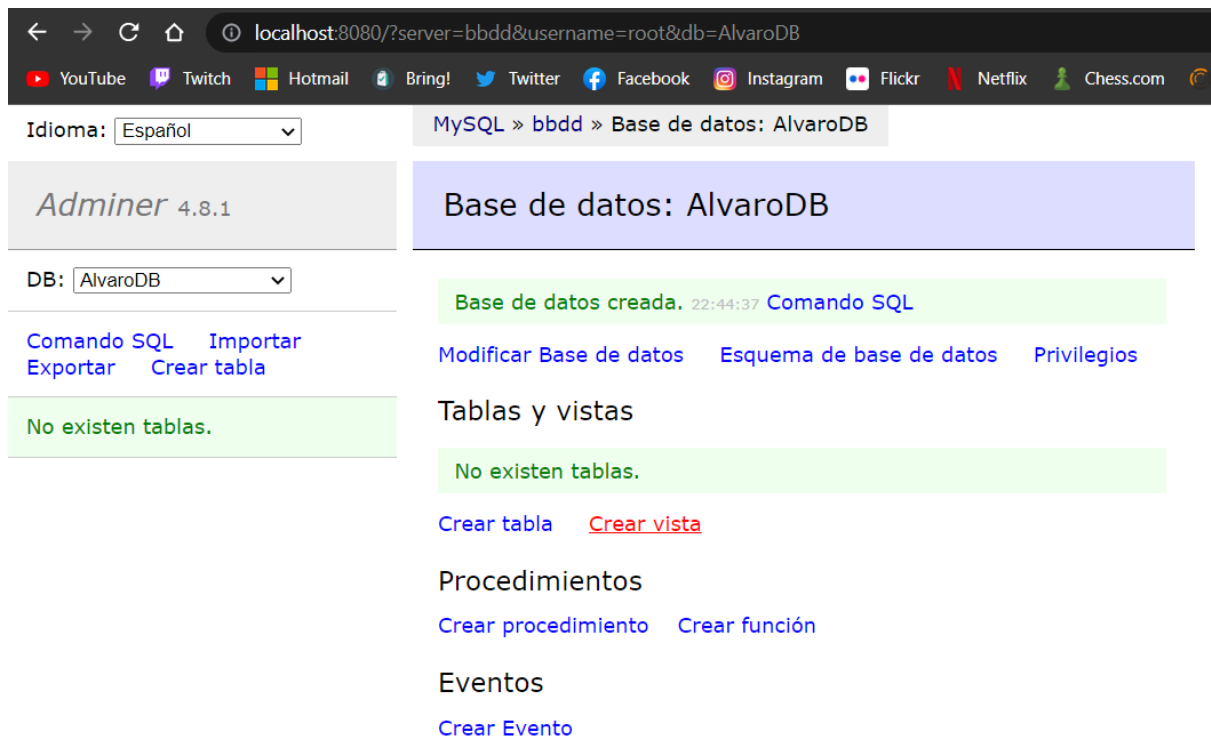
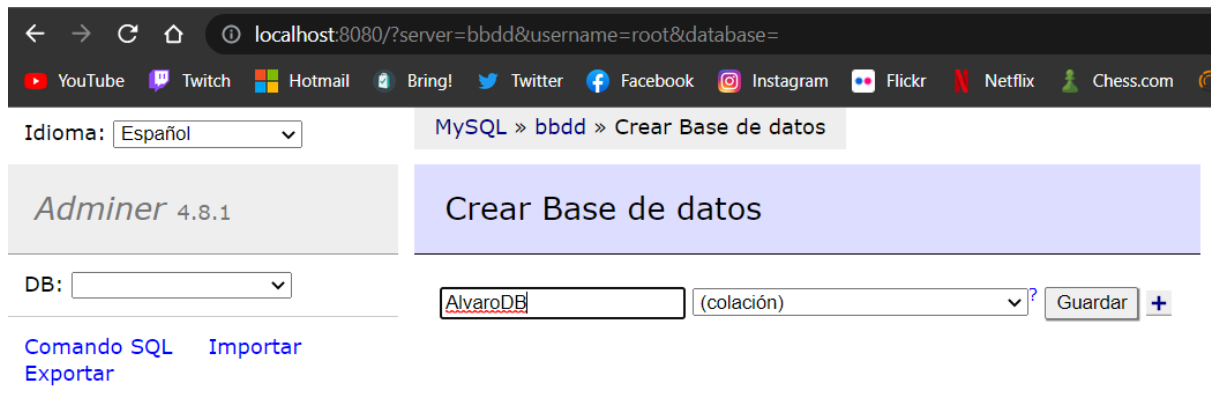


The screenshot shows the Adminer web interface in Spanish. The URL is localhost:8080/?server=bbdd&username=root. The interface includes a language dropdown set to 'Español', a 'MySQL » bbdd' breadcrumb, and a 'Seleccionar Base de datos' (Select Database) section. Below this, there are links for 'Crear Base de datos', 'Privilegios', 'Lista de procesos', 'Variables', and 'Estado'. The MySQL version is displayed as 5.5.5-10.7.3-MariaDB-1:10.7.3+maria~focal, and the user is logged in as root@172.18.0.3. A table lists available databases: information\_schema, mysql, performance\_schema, prueba, and sys, each with a checkbox, collation, table count, and size. The 'Selected (0)' section shows an 'Eliminar' button.

	Base de datos - Refrescar	Colación	Tablas	Size - Compute
<input type="checkbox"/>	information_schema	utf8mb3_general_ci	?	?
<input type="checkbox"/>	mysql	utf8mb4_general_ci	?	?
<input type="checkbox"/>	performance_schema	utf8mb3_general_ci	?	?
<input type="checkbox"/>	prueba	utf8mb4_general_ci	?	?
<input type="checkbox"/>	sys	utf8mb3_general_ci	?	?

## Extra

## Creamos una bbdd vía web.



**Consulta en modo texto a la bbdd desde la web.**

Idioma: Español

MySQL » bbdd » Comando SQL

**Adminer 4.8.1**

DB:

**Comando SQL** [Importar](#)  
[Exportar](#)

**show databases**

Database
AlvaroDB
information_schema
mysql
performance_schema
prueba
sys

6 registros (0.001 s) [Modificar](#), [Exportar](#)

```
show databases;
```

## Comprobación de los recursos corriendo.

```
alvar@DESKTOP-C4FE0CM MINGW64 ~/Documents/Estudios/Otros/Tarea Git y Docker/tareas-docker/Ejercicio 3 (feature/ejercicio3)
$ docker ps && docker network ls && docker volume ls
CONTAINER ID   IMAGE     COMMAND                  CREATED    STATUS    PORTS                               NAMES
d3e436266820   adminer   "entrypoint.sh docke..." 20 minutes ago Up 20 minutes 0.0.0.0:8080->8080/tcp, :::8080->8080/tcp web
1ed76a64abc4   mariadb   "docker-entrypoint.s..." 27 minutes ago Up 26 minutes 0.0.0.0:3306->3306/tcp, :::3306->3306/tcp bbdd
NETWORK ID     NAME      DRIVER    SCOPE
53580525db5b   bridge   bridge    local
78830eebb7e    host     host      local
ebee04831f1    none     null      local
e8e36c281427   redbrd   bridge    local
DRIVER         VOLUME NAME
local          722934187a2388d5477b9c24b120156919f10af91845cde0fca8d7d2d69779ef
local          volumen_persistente
```

## Eliminación de todos los recursos

```
alvar@DESKTOP-C4FE0CM MINGW64 ~/Documents/Estudios/Otros/Tarea Git y Docker/tareas-docker/Ejercicio 3 (feature/ejercicio3)
$ docker stop web && docker stop bbdd && docker rm web && docker rm bbdd && docker volume prune && docker network prune
web
bbdd
web
bbdd
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:
volumen_persistente
722934187a2388d5477b9c24b120156919f10af91845cde0fca8d7d2d69779ef

Total reclaimed space: 143.1MB
WARNING! This will remove all custom networks not used by at least one container.
Are you sure you want to continue? [y/N] y
Deleted Networks:
redbrd
```