

```

root@crisb-VirtualBox:/home/crisb# docker run --name network-mysql -e MYSQL_ROOT_PASSWORD=demo -d -v mysql-demo:/var/lib/mysql mysql:latest --network network-mysql \
>
b878ba8c68c0edaf29688cd4aaebcde1631630e628ee89afbcd8fe07ad4e3677
root@crisb-VirtualBox:/home/crisb#

```

Ejer03_cristian_buclon

Extracción de imagen sql

```

root@crisb-VirtualBox:/home/crisb# docker pull mysql:latest
latest: Pulling from library/mysql
e2c03c89dcad: Pull complete
68eb43837bf8: Pull complete
796892ddf5ac: Pull complete
6bca45eb31e1: Pull complete
ebb53bc0dcca: Pull complete
2e2c6bdc7a40: Pull complete
6f27b5c76970: Pull complete
438533a24810: Pull complete
e5bdf19985e0: Pull complete
667fa148337b: Pull complete
5baa702110e4: Pull complete
Digest: sha256:232936eb036d444045da2b87a90d48241c60b68b376caf509051cb6cffeaf6fdc
Status: Downloaded newer image for mysql:latest
docker.io/library/mysql:latest

```

Creacion de imagen sql y comprobación

```

root@crisb-VirtualBox:/home/crisb# docker ps
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS
0lad5a6da220   mysql:latest  "docker-entrypoint.s..."  8 seconds ago  Up 6 seconds  3306/tcp
cp, 33060/tcp   mysql-demo

```

Instalación de mysql

```

root@crisb-VirtualBox:/home/crisb# sudo apt install mysql-client -y
Leyendo lista de paquetes... Hecho
Creando árbol de dependencias... Hecho
Leyendo la información de estado... Hecho
Se instalarán los siguientes paquetes adicionales:
  mysql-client-8.0 mysql-client-core-8.0 mysql-common
Se instalarán los siguientes paquetes NUEVOS:
  mysql-client mysql-client-8.0 mysql-client-core-8.0 mysql-common
0 actualizados, 4 nuevos se instalarán, 0 para eliminar y 10 no actualizados.
Se necesita descargar 2.841 kB de archivos.
Se utilizarán 62.1 MB de espacio de disco adicional después de esta operación.
Des:1 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 mysql-client-core-8.0 amd64
8.0.33-0ubuntu0.22.04.2 [2.802 kB]
Des:2 http://archive.ubuntu.com/ubuntu jammy/main amd64 mysql-common all 5.8+1.0.8 [7.212 B]
Des:3 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 mysql-client-8.0 amd64 8.0.3
3-0ubuntu0.22.04.2 [22.7 kB]
Des:4 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 mysql-client all 8.0.33-0ubu
ntu0.22.04.2 [9.358 B]
Descargados 2.841 kB en 3s (844 kB/s)
Seleccionando el paquete mysql-client-core-8.0 previamente no seleccionado.

```

Existencia de mysql

```

root@crisb-VirtualBox:/home/crisb# which mysql
/usr/bin/mysql
root@crisb-VirtualBox:/home/crisb# mysql --version
mysql Ver 8.0.33-0ubuntu0.22.04.2 for Linux on x86_64 ((Ubuntu))
root@crisb-VirtualBox:/home/crisb#

```

Establecer ip al servidor mysql

```

root@crisb-VirtualBox:/home/crisb# mysql -u root -p
Enter password:
ERROR 2002 (HY000): Can't connect to local MySQL server through socket '/var/run/mysqld/mysq
ld.sock' (2)
root@crisb-VirtualBox:/home/crisb# docker inspect -f '{{range.NetworkSettings.Networks}}{{.I
PAddress}}{{end}}' mysql-demo
172.17.0.2
root@crisb-VirtualBox:/home/crisb#

```

Conexión con mysql

```

root@crisb-VirtualBox:/home/crisb# mysql -h 172.17.0.2 -P 3306 --protocol=tcp -u root -p
Enter password:
ERROR 1045 (28000): Access denied for user 'root'@'172.17.0.1' (using password: YES)
root@crisb-VirtualBox:/home/crisb# mysql -h 172.17.0.2 -P 3306 --protocol=tcp -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 9
Server version: 8.0.33 MySQL Community Server - GPL

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql>

```

Creacion y comprobación de la base de datos automatiza

```

mysql> show databases
-> ;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+
4 rows in set (0.21 sec)

mysql> create database automatiza;
Query OK, 1 row affected (0.10 sec)

mysql> use automatiza;
Database changed
mysql> show databases;
+-----+
| Database |
+-----+
| automatiza |
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+

```

Creacion de tabla y campos

```
mysql> CREATE TABLE usuarios (username VARCHAR(30) PRIMARY KEY,password VARCHAR(20),email
RCHAR(80) UNIQUE, telefono VARCHAR(10) UNIQUE);
Query OK, 0 rows affected (0.40 sec)

mysql> select * usuarios;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that correspon
to your MySQL server version for the right syntax to use near 'usuarios' at line 1
mysql> select * from usuarios;
Empty set (0.09 sec)

mysql>
```

detención y eliminación del contenedor de mysql

```
root@crisb-VirtualBox:/home/crisb# sudo docker stop mysql-demo
mysql-demo
root@crisb-VirtualBox:/home/crisb# sudo docker rm mysql-demo
mysql-demo
```

Creación de la network

```
root@crisb-VirtualBox:/home/crisb# docker network create network-mysql
1c924c695fd387007007a099c617c2cf3bc1ec62a051b4a529421db639dc8007
```

Modificación del contenedor inicial terminada

```
root@crisb-VirtualBox:/home/crisb# docker run --name network-mysql -e MYSQL_ROOT_PASSWORD=de
mo -d -v mysql-demo:/var/lib/mysql mysql:latest --network network-mysql \
>
b870ba8c68c0edaf29688cd4aaebcde1631630e628ee89afbcd8fe07ad4e3677
root@crisb-VirtualBox:/home/crisb#
```