Tarea: Crear red, servicios y volumen

Informe de los pasos

Paso 1: Crear red `tarea2`

Ejecutamos el comando:

```
docker network create tarea2
```

```
PS D:\DAM222\DI> docker network create tarea2
>>
c3aa8278d55dc23e92471db6a3504d27659cb796e0d2e032647b819ecc214bec
PS D:\DAM222\DI>
```

Paso 2: Crear volumen `volumenTarea2`

Comando utilizado:

```
docker volume create volumenTarea2
```

```
PS D:\DAM222\DI> docker volume create volumenTarea2
volumenTarea2
PS D:\DAM222\DI>
```

Paso 3: Ejecutar contenedores

MySQL:

```
docker container run \
--name mysql-tarea2 \
-dp 3307:3306 \
--env MYSQL_ROOT_PASSWORD=root-password \
--env MYSQL_DATABASE=database_tarea2 \
--env MYSQL_USER=user_tarea2 \
--env MYSQL_PASSWORD=user-password \
--volume volumenTarea2:/var/lib/mysql \
--network tarea2 \
mysql:latest
```

```
PS D:\DAM222\DI> docker container run --name mysql-tarea2 -dp 3307:3306 --env MYSQL_ROOT_PASSWORD=root-password --env MYSQL_DATABASE=database_tarea2
 --env MYSQL_USER=user_tarea2 --env MYSQL_PASSWORD=user-password --volume volumenTarea2:/var/lib/mysql --network tarea2 mysql:latest
b00586d3ebf2dfdc31335fe2f9ed79c9984ffb3d5b0492c5fc7e9344fed873a9
```

phpMyAdmin:

```
docker container run \
--name phpmyadmin-tarea2 \
-dp 8091:80 \
--env PMA_HOST=mysql-tarea2 \
--network tarea2 \
phpmyadmin:latest                      2 / 3
```

```
PS D:\DAM222\DI> docker container run --name phpmyadmin-tarea2 -dp 8091:80 --env PMA_HOST=mysql-tarea2 --network tarea2 phpmyadmin:latest
11d17388a3b8: Pull complete
0814cbbf72a2: Pull complete
3a28acedadf8: Pull complete
2ab7ef40feaf: Pull complete
88324ccb20a1: Pull complete
ad5f2fca9132: Pull complete
9df2a6231627: Pull complete
b3207e60ff9a: Pull complete
d18c9f420b35: Pull complete
673faad72ba8: Pull complete
4f4fb700ef54: Pull complete
0551e4043b4b: Pull complete
0bc5723cf704: Pull complete
8d472d889366: Pull complete
0ecd15c50b7a: Pull complete
3919cbadc177: Pull complete
a6df1e96cca4: Pull complete
Digest: sha256:9e5e9e1f6c56d0997d7f3cc0a5ba485dd60e0df36fdae86e39a826da3311b481
Status: Downloaded newer image for phpmyadmin:latest
15856c66761d89990dc95d7b4ea394cb42b8fe512f9366866dda768da2d4c79e
PS D:\DAM222\DI> []
```

Verificación

1. Accede a phpMyAdmin en tu navegador a través de http://localhost:8091.
2. Usa las credenciales:
   ○ **Servidor:** mysql-tarea2
   ○ **Usuario:** user_tarea2
   ○ **Contraseña:** user-password
3. Verifica que puedes conectar a la base de datos database_tarea2.