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Conectamos el contenedor apache a la red del equipo. Creamos nuestra red “mired2”.
Inspeccionamos esa red. No funciona el puerto 80.

```
C:\Windows\system32\cmd.exe

C:\Users\Alvaro Joaquin>docker run -d --name apache --network host bitnami/apache
bc1fa25b0011b20cfefdf0a0241a8c4b9359183e8d0463974070e7a30bd9b5be

C:\Users\Alvaro Joaquin>docker create mired
Unable to find image 'mired:latest' locally
Error response from daemon: pull access denied for mired, repository does not exist or may require 'docker login'

C:\Users\Alvaro Joaquin>docker network create mired
Error response from daemon: network with name mired already exists

C:\Users\Alvaro Joaquin>docker network create mired2
f2ab7944cf72be34c0b84266e48cb753650b54492bdab2c8d00662bc6e8c5823

C:\Users\Alvaro Joaquin>docker network inspect mired2
[
  {
    "Name": "mired2",
    "Id": "f2ab7944cf72be34c0b84266e48cb753650b54492bdab2c8d00662bc6e8c5823",
    "Created": "2025-02-11T20:30:24.098985331Z",
    "Scope": "local",
    "Driver": "bridge",
    "EnableIPv6": false,
    "IPAM": {
      "Driver": "default",
      "Options": {},
      "Config": [
        {
          "Subnet": "172.19.0.0/16",
          "Gateway": "172.19.0.1"
        }
      ]
    },
    "Internal": false,
    "Attachable": false,
    "Ingress": false,
    "ConfigFrom": {
      "Network": ""
    },
    "ConfigOnly": false,
    "Containers": {},
    "Options": {},
    "Labels": {}
  }
]
```

Creamos un contenedor con imagen apache en “mired2”. Creamos un contenedor de mariadb “servidor_mysql” y otro de apache “apache3”, ambos enlazados. Accedemos a las variables de entorno de “servidor_mysql” desde “apache3”.

```
C:\Users\Alvaro Joaquin>docker run -d --name apache2 --network mired2 -p 80:80 bitnami/apache
2d4a4d5ef09ffde7e345623c1be4171de9499dbb5e6bcec195b129b69af54cd4

C:\Users\Alvaro Joaquin>docker run -d --name servidor_mysql -e MYSQL_DATABASE=bd_wp -e MYSQL_USER=user_wp -e MYSQL_PASSWORD=root -e MYSQL_ROOT_PASSWORD=root mariadb
Unable to find image 'mariadb:latest' locally
latest: Pulling from library/mariadb
edb426f4a1af: Download complete
2cbd49ab14b1: Download complete
760f6e3db6bf: Download complete
640331c2cc76: Download complete
f67c6fbc0ef5: Download complete
65dd09f27c61: Download complete
1f731489858b: Download complete
Digest: sha256:bfb1298c06cd15f446f1c59600b3a856dae861705d1a2bd2a00edbd6c74ba748
Status: Downloaded newer image for mariadb:latest
b8eb5cd8bac91251d45779c6da12ef1768e044e833de444e59ec2c560af33ef4

C:\Users\Alvaro Joaquin>docker run -d --name apache3 --link servidor_mysql:mariadb bitnami/apache
3192e67d40ad4cd3745aeb623e2b2b66d86c3b5dbea0223fad303fb3ea00af5d

C:\Users\Alvaro Joaquin>docker exec apache3 env
PATH=/opt/bitnami/common/bin:/opt/bitnami/apache/bin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin
HOSTNAME=3192e67d40ad
MARIADB_PORT=tcp://172.17.0.2:3306
MARIADB_PORT_3306_TCP=tcp://172.17.0.2:3306
MARIADB_PORT_3306_TCP_ADDR=172.17.0.2
MARIADB_PORT_3306_TCP_PORT=3306
MARIADB_PORT_3306_TCP_PROTO=tcp
MARIADB_NAME=/apache3/mariadb
MARIADB_ENV_MYSQL_DATABASE=bd_wp
MARIADB_ENV_MYSQL_USER=user_wp
MARIADB_ENV_MYSQL_PASSWORD=root
MARIADB_ENV_MYSQL_ROOT_PASSWORD=root
MARIADB_ENV_GOSU_VERSION=1.17
MARIADB_ENV_LANG=C.UTF-8
MARIADB_ENV_MARIADB_VERSION=1:11.6.2+maria~ubu2404
HOME=/
OS_ARCH=amd64
OS_FLAVOUR=debian-12
OS_NAME=linux
APACHE_HTTPS_PORT_NUMBER=
APACHE_HTTP_PORT_NUMBER=
APP_VERSION=2.4.63
BITNAMI_APP_NAME=apache
```

Comprobamos el fichero de “apache3”. Conectamos el contenedor “servidor_mysql” a nuestra red “mired2”. Al igual que el contenedor “apache4”.

```
C:\Users\Alvaro Joaquin>docker exec apache3 cat /etc/hosts
127.0.0.1        localhost
::1             localhost ip6-localhost ip6-loopback
fe00::0         ip6-localnet
ff00::0         ip6-mcastprefix
ff02::1         ip6-allnodes
ff02::2         ip6-allrouters
172.17.0.2      mariadb b8eb5cd8bac9 servidor_mysql
172.17.0.3      3192e67d40ad

C:\Users\Alvaro Joaquin>docker run -d --name mariadb --network mired2 -e MYSQL_DATABASE=bd_wp -e MYSQL_USER=user_wp -e MYSQL_PASSWORD=root -e MYSQL_ROOT_PASSWORD=root mariadb
6afd82999597c7e34fa04c60cd50e0f5c330b1087bb6b51ef66ba519a40a9a49

C:\Users\Alvaro Joaquin>docker run -d --name servidor --network mired nombre_de_imagen
Unable to find image 'nombre_de_imagen:latest' locally
docker: Error response from daemon: pull access denied for nombre_de_imagen, repository does not exist or may require 'docker login'.
See 'docker run --help'.

C:\Users\Alvaro Joaquin>docker run -d --name apache4 --network mired2 bitnami/apache
80c13650131dfdf5eca6d3feaa32ec3d6942592181c9dae54ca9a8b725e6f0a82

C:\Users\Alvaro Joaquin>
```

Esta última parte nos da error.

```
C:\Windows\system32\cmd.exe - docker exec -it apache4 bash

C:\Users\Alvaro Joaquin>docker exec -it apache4 bash
I have no name!@80c13650131d:/app$ apt update
Reading package lists... Done
E: List directory /var/lib/apt/lists/partial is missing. - Acquire (2: No such file or directory)
I have no name!@80c13650131d:/app$ apt install dnsutils -y
E: Could not open lock file /var/lib/dpkg/lock-frontent - open (13: Permission denied)
E: Unable to acquire the dpkg frontend lock (/var/lib/dpkg/lock-frontent), are you root?
I have no name!@80c13650131d:/app$ dig servidor_mysql
bash: dig: command not found
I have no name!@80c13650131d:/app$
```