# Trabajo con imágenes. Servidor de Base de Datos

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Apartado 1.

Apartado 2.

Apartado 3.

Apartado 4.

Apartado 5.

#### Apartado 1.

Pantallazo que desde el navegador muestre el fichero 'index.html'

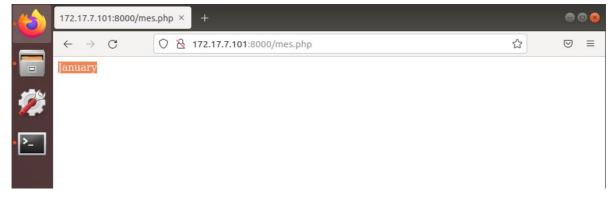
```
docker run -p 8000:80 --name web php:7.4-apache
  docker start web
  docker exec -it web bash
  echo "<h1>Hola Soy DANIEL GARCIA CASTRO</h1>" > index.html
daniel@daniel-VirtualBox:~$ docker run -p 8000:80 --name web php:7.4-apache
AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 17
2.18.0.2. Set the 'ServerName' directive globally to suppress this message
AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 17 2.18.0.2. Set the 'ServerName' directive globally to suppress this message
[Thu Jan 13 16:31:51.119621 2022] [mpm_prefork:notice] [pid 1] AH00163: Apache/2.4.51 (Debian) PH
P/7.4.27 configured -- resuming normal operations
[Thu Jan 13 16:31:51.132858 2022] [core:notice] [pid 1] AH00094: Command line: 'apache2 -D FOREGR
 daniel@daniel-VirtualBox:~$ docker start web
 web
 root@d59c6d22519f:/var/www/html# echo "<h1>HOLA SOY DANIEL GARCIA CASTRO</h1>" > index.html
 root@d59c6d22519f:/var/www/html# exit
         172.17.7.101:8000/
                            O & 172.17.7.101:8000
        HOLA SOY DANIEL GARCIA CASTRO
```

### Apartado 2.

Pantallazo que desde un navegador muestre la salida del script 'mes.php':

```
docker exec -it web bash
echo "<?php echo date('F'); ?>" > mes.php
```

```
daniel@daniel-VirtualBox:~$ docker exec -it web bash
 root@d59c6d22519f:/var/www/html# echo date('m') > mes.php
bash: syntax error near unexpected token `('
root@d59c6d22519f:/var/www/html# echo "date('m')" > mes.php
root@d59c6d22519f:/var/www/html# echo "d" > mes.php
root@d59c6d22519f:/var/www/html# echo "<?php date('m') ?>" > mes.php
root@d59c6d22519f:/var/www/html# echo "<?php echo "date('m')" ?>" > mes.php
bash: syntax error near unexpected token `('
root@d59c6d22519f:/var/www/html# echo "<?php echo 'date('m')' ?>" > mes.php
root@d59c6d22519f:/var/www/html# echo "<?pnp echo date( m ) :/ > mes.php
root@d59c6d22519f:/var/www/html# echo "<?php echo 'date('m')'; ?>" > mes.php
root@d59c6d22519f:/var/www/html# echo "<?php echo 'date('m'); '?>" > mes.php
root@d59c6d22519f:/var/www/html# echo "<?php echo 'date('m')'; ?>" > mes.php
root@d59c6d22519f:/var/www/html# echo "<?php echo 'date('M')';</pre>
                                                                                               ?>" > mes.php
                                                         "<?php echo 'date("M")';
"<?php echo 'date("m")';</pre>
root@d59c6d22519f:/var/www/html# echo
                                                                                               ?>" > mes.php
                                                                                               ?>" > mes.php
root@d59c6d22519f:/var/www/html# echo
root@d59c6d22519f:/var/www/html# echo "<?php $month = date('m'); echo $month; ?>" > mes.php
                                                         "<?php $month=date('m'); echo $month; ?>" > mes.php
"<?php $month=date('F^C; echo $month; ?>" > mes.php
 root@d59c6d22519f:/var/www/html# echo
 Cot@d59c6d22519f:/var/www/html# echo
root@d59c6d22519f:/var/www/html# echo "<?php $month=date('F'); echo $month; ?>" > mes.php
root@d59c6d22519f:/var/www/html# echo "<?php echo date('F'); ?>" > mes.php
root@d59c6d22519f:/var/www/html# echo "<?php echo date('m'); ?>" > mes.php
root@d59c6d22519f:/var/www/html# echo
root@d59c6d22519f:/var/www/html# echo "<?php echo date('m');
                                                                                            ?>"
                                                                                                  > mes.php
root@d59c6d22519f:/var/www/html# echo "<?php echo date('F'); ?>
root@d59c6d22519f:/var/www/html#
```



#### Apartado 3.

Pantallazo donde se vea el tamaño del contenedor web después de crear los dos ficheros:



#### Apartado 4.

Pantallazo donde desde un cliente de base de datos (instalado en tu ordenador) se pueda observar que hemos podido conectarnos al servidor de base de datos con el usuario creado y que se ha creado la base de datos prueba '(show databases)'. El acceso se debe realizar desde el ordenador que tenéis instalado docker, no hay que acceder desde dentro del contenedor, es decir, no usar 'docker exec':

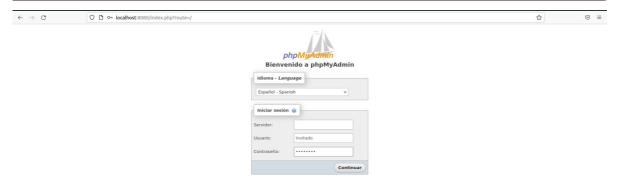
```
sudo docker run --detach --network mired --name bbdd --env MARIADB_USER=invitado --env MARIADB_PASSWORD=invitado --env MARIADB_PASSWORD=invitado --env MARIADB_ROOT_PASSWORD=root --env MARIADB_DATABASE=prueba -p 3336:3336 mariadb:latest
```

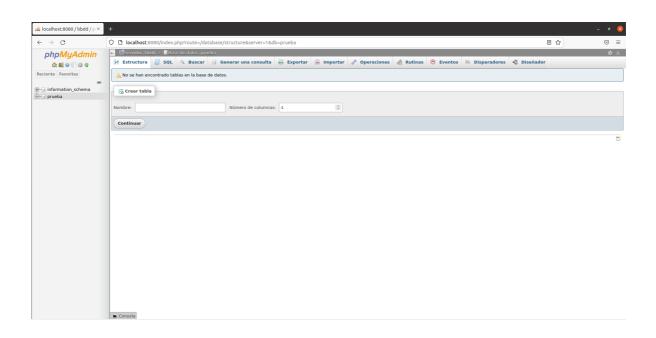
Para conectar el contenedor con la imagen phpmyadmin al contenedor con la imagen de mariadb

```
sudo docker run -d --name phpmyadmin -e PMA_ARBITRARY=1 -p 8080:80 --network mired -e PMA_HOST=bbdd phpmyadmin
```

| yoel@yoel-VirtualBox:~\$ sudo docker network create mired                       |
|---|
| [sudo] contraseña para yoel:  |
| 1f030df689638b00569b303360ebbd775e74ef88db6f064d5070029cdb21102c                |
| yoel@yoel-VirtualBox:~\$ sudo docker rundetachnetwork miredname bbdd            |
| env MARIADB_USER=invitadoenv MARIADB_PASSWORD=invitadoenv MARIADB_ROOT_PA       |
| SSWORD=rootenv MARIADB_DATABASE=prueba -p 3336:3336 mariadb:latest              |
| Unable to find image 'mariadb:latest' locally                                   |
| latest: Pulling from library/mariadb  |
| ea362f368469: Pull complete   |
| adb9a1b1379d: Pull complete   |
| ac5c95406850: Pull complete   |
| fa48d8b47ec1: Pull complete   |
| bcf1feb44ac3: Pull complete   |
| 8a5de7784a0f: Pull complete   |
| b8724b8a281a: Pull complete   |
| a8a7c3f612d6: Pull complete   |
| 39b09b59e889: Pull complete   |
| 14bc3a6b0a94: Pull complete   |
| Digest: sha256:5a37e65a6414d78f60d523c4ddcf93d715854337beb46f8beeb1a23d83262184 |
| Status: Downloaded newer image for mariadb:latest                               |
| 4f4bfb274af496868ba3b4be <u>b</u> ee274de48a513697b06428ff50ce8e03d8df49a       |
|   |

yoel@yoel-VirtualBox:~\$ sudo docker run -d --name phpmyadmin -e PMA\_ARBITRARY=1
 -p 8080:80 --network mired -e PMA\_HOST=bbdd phpmyadmin
546fcd0631e3cce1260da1000ee1016552717c1db79de26d272296d24fe1a767





## Apartado 5.

Comprobar que no se puede eliminar el contenedor creado:

sudo docker rmi bbdd

yoel@yoel-VirtualBox:-5 sudo docker rmi marladb Error response from daemgm: conflict: unable to remove repository reference "mariadb" (must force) - container 96fa9bc77dd3 is using its referenced image d462573d868E