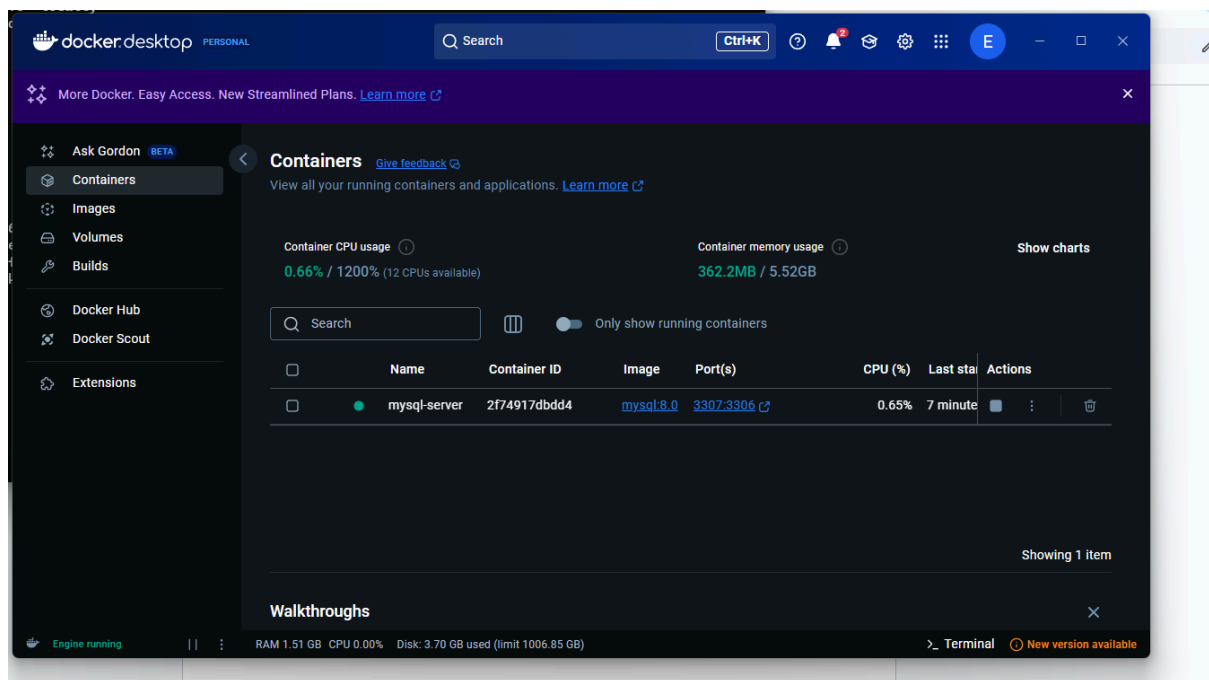


Guia Dockersin compose
Emilton Navas Palomino
Sistemas distribuidos 8vo semestre
Unicolombo

```
creamos nuestro primer contenedor  
docker run -d --name mysql-server -e MYSQL_ROOT_PASSWORD=rootpassword -e  
MYSQL_DATABASE=midb -p 3307:3306 mysql:8.0
```



```
Windows PowerShell
PS C:\Users\Emilton Navas\Desktop\AppDockerSinCompose> docker run -d --name mysql-server -e MYSQL_ROOT_PASSWORD=rootpassword -e MYSQL_DATABASE=midb -p 3307:3306 mysql:8.0
Unable to find image 'mysql:8.0' locally
8.0: Pulling from library/mysql
bb9c2ecc3352: Pull complete
cea172a6e83b: Pull complete
069dfe57230c: Pull complete
29c08134121b: Pull complete
bcc2e96984e1: Pull complete
fbde96d8818e: Pull complete
a5636d731401: Pull complete
fb0ff87df77d: Pull complete
26bcb3921fdb: Pull complete
6cdb1d882a76: Pull complete
6cfd9ff0e16b: Pull complete
Digest: sha256:968e12b1fde035655c7a940db808b47372b70128293a38a3914e0b291c306e5e
Status: Downloaded newer image for mysql:8.0
2f74917dbdd4f71265f39d2fe52bdf2d7f3c1fa1ae86247cbaaa6012d1fd2fec
PS C:\Users\Emilton Navas\Desktop\AppDockerSinCompose>
```

nos conectamos a mysql con las credenciales que se configuraron en el paso anterior

```
Run 'docker --help' for more information
PS C:\Users\Emilton Navas\Desktop\AppDockerSinCompose> docker exec -it mysql-server mysql -uroot -prootpassword
mysql: [Warning] Using a password on the command line interface can be insecure.
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.42 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.
```

Mostramos las bases de datos

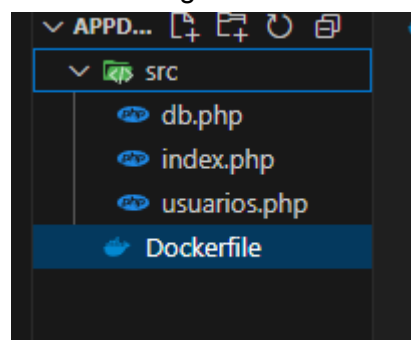
```
Type 'help;' or '\h' for help. Type '\c' to c

mysql> SHOW DATABASES
-> ;

+-----+
| Database |
+-----+
| information_schema |
| midb          |
| mysql         |
| performance_schema |
| sys           |
+-----+
5 rows in set (0.01 sec)

mysql> |
```

creamos la siguiente estructura



db.php

```
<?php
$conexion = new mysqli("host.docker.internal"
                        , username: "root" password:"rootpassword"
                        , database: "midb");

if($conexion->connect_error){
    die("conexion fallida".$conexion->connect_error);
}
?>
```

index.php

```
<?php
include 'db.php';

$resultado = $conexion->query("SELECT * FROM usuarios");
?>

<h1>Usuarios</h1>
<ul>
<?php while ($fila = $resultado->fetch_assoc()): ?>
    <li><?= $fila['nombre'] ?> (<?= $fila['email'] ?>)</li>
<?php endwhile; ?>
</ul>

<a href="usuarios.php">Agregar usuario</a>
```

usuarios.php

```
<?php
include 'db.php';

if ($_SERVER['REQUEST_METHOD'] === 'POST') {
    $nombre = $_POST['nombre'];
    $email = $_POST['email'];

    $conexion->query("INSERT INTO usuarios (nombre, email) VALUES ('$nombre',
'$email')");

    header("Location: index.php");
    exit;
}
?>

<h1>Agregar usuario</h1>
<form method="POST">
    <input type="text" name="nombre" placeholder="Nombre" required><br>
    <input type="email" name="email" placeholder="Email" required><br>
    <button type="submit">Guardar</button>
</form>
```

dockerfile

```
FROM php:8.2-apache

RUN docker-php-ext-install mysqli pdo pdo_mysql

COPY src/ /var/www/html/
```

creamos y ejecutamos el contenedor

```
PS C:\Users\Emilton Navas\desktop> cd AppDockerSinCompose
PS C:\Users\Emilton Navas\desktop\AppDockerSinCompose> code .
PS C:\Users\Emilton Navas\desktop\AppDockerSinCompose> code .
PS C:\Users\Emilton Navas\desktop\AppDockerSinCompose> docker build -t php-crud .
[+] Building 30.1s (9/9) FINISHED                                docker:desktop-linux
=> [internal] load build definition from Dockerfile              0.1s
=> => transferring dockerfile: 135B                             0.0s
=> [internal] load metadata for docker.io/library/php:8.2-apache 1.8s
=> [auth] library/php:pull token for registry-1.docker.io        0.0s
=> [internal] load .dockerignore                                 0.0s
=> => transferring context: 2B                                    0.0s
=> [1/3] FROM docker.io/library/php:8.2-apache@sha256:caca384c... 11.9s
=> => resolve docker.io/library/php:8.2-apache@sha256:caca384c... 0.0s
=> => sha256:eb58b5febce5975d567d70cd46e2d9a34b3eca2070fba662eb26880e24d0c-bab3 893B / 893B 0.3s
=> => sha256:9d6b76948f514fe2b89763226438f81935e3e7e087311a31d4654295262e7b56 2.46kB / 2.46kB 0.4s
=> => sha256:054cc9f6db6e19f5469883d6022f27a775b73ca9fd103c8c6d7d864453e3c056 247B / 247B 0.6s
=> => sha256:dbd03e280778e2e75fd4dd70142d77c9d6a7896f36a3f59e68cd80d421b20d71d 11.42MB / 11.42MB 1.5s
=> => sha256:0a85361c459c4dec10ac49c4289e66011f813c590ad883f04b905462ada89f9e 226B / 226B 0.3s
=> => sha256:0ff907e301b02f291be0aaa8f3534770faf082976bfea96ff28c12a8619f9fea4 485B / 485B 0.2s
=> => extracting sha256:0a85361c459c4dec10ac49c4289e66011f813c590ad883f04b905462ada88f9e 0.0s
=> => sha256:c94d5002a272601435b726e1353586calacal2d7c7e65ae90d206caa996e178c 12.28MB / 12.28MB 2.6s
=> => sha256:51fd3dcac87d11d6e8f328d03bdebfb89bef701af3f6d70de2a619133b8837e3 489B / 489B 0.2s
=> => sha256:1eb9bf28dacd345a730eb3bfcdd2996b4f6c351c2bf21c84f3f92c0ccf941bd19 20.12MB / 20.12MB 4.1s
=> => sha256:c4d2115b4d8e69f7378698463320a7faf5ac59d1d7e59d3590d82d687855fe6 432B / 432B 0.3s
=> => sha256:0990af6e132e0e354605527ebc80dbd974df29dab783666ab12d75fd979a9ba3 225B / 225B 0.3s
=> => sha256:05de80987da0d4a8b2b478050f0227c16271805ee8197153dcbdc6e831a1598 103.81MB / 104.33MB 26.7s
=> => extracting sha256:05de80987da0d4a8b2b478050f0227c16271805ee8197153dcbdc6e831a1598 2.7s
=> => extracting sha256:0990af6e132e0e354605527ebc80dbd974df29dab783666ab12d75fd979a9ba3 0.0s
=> => extracting sha256:1eb9bf28dacd345a730eb3bfcdd2996b4f6c351c2bf21c84f3f92c0ccf941bd19 0.5s
=> => extracting sha256:c4d2115b4d8e69f7378698463320a7faf5ac59d1d7e59d3590d82d687855fe6 0.0s
=> => extracting sha256:0ff907e301b02f291be0aaa8f3534770faf082976bfea96ff28c12a8619f9fea4 0.0s
=> => extracting sha256:c94d5002a272601435b726e1353586calacal2d7c7e65ae90d206caa996e178c 0.0s
=> => extracting sha256:51fd3dcac87d11d6e8f328d03bdebfb89bef701af3f6d70de2a619133b8837e3 0.0s
=> => extracting sha256:dbd03e280778e2e75fd4dd70142d77c9d6a7896f36a3f59e68cd80d421b20d71d 0.3s
=> => extracting sha256:9d6b76948f514fe2b89763226438f81935e3e7e087311a31d4654295262e7b56 0.0s
=> => extracting sha256:054cc9f6db6e19f5469883d6022f27a775b73ca9fd103c8c6d7d864453e3c056 0.0s
=> => extracting sha256:eb58b5febce5975d567d70cd46e2d9a34b3eca2070fba662eb26880e24d0c-bab3 0.0s
=> => extracting sha256:4f4fb700ef54461cfa02571ae0db9a0dc1e0cdb5577484a6d75e68dc38e8acc1 0.0s
=> [internal] load build context                                0.1s
=> => transferring context: 1.27kB                                0.1s
=> [2/3] RUN docker-php-ext-install mysqli pdo pdo_mysql      16.0s
=> [3/3] COPY src/ /var/www/html/                             0.0s
=> exporting to image                                          0.2s
=> => exporting layers                                           0.1s
=> => exporting manifest sha256:75f78cca35f4db9fa1ec349b8430430242f154b2f13fbc5449a1825842f0e0cf 0.0s
=> => exporting config sha256:34d1e714ee5dd42ac96f8afd382cfc976ffee62e4a91c87842ccc33158bb389d 0.0s
=> => exporting attestation manifest sha256:6f70275b856a7f99cf55a371e54891a23a2b2b4f1f16de7287c1168c16849b0e 0.0s
=> => exporting manifest list sha256:48de3c7bb7ce1a849e081728cf53b8b8b522384b961e1494cc55dc0a91d5d42f 0.0s
=> => naming to docker.io/library/php-crud:latest              0.0s
=> => unpacking to docker.io/library/php-crud:latest           0.0s
PS C:\Users\Emilton Navas\desktop\AppDockerSinCompose> |
```

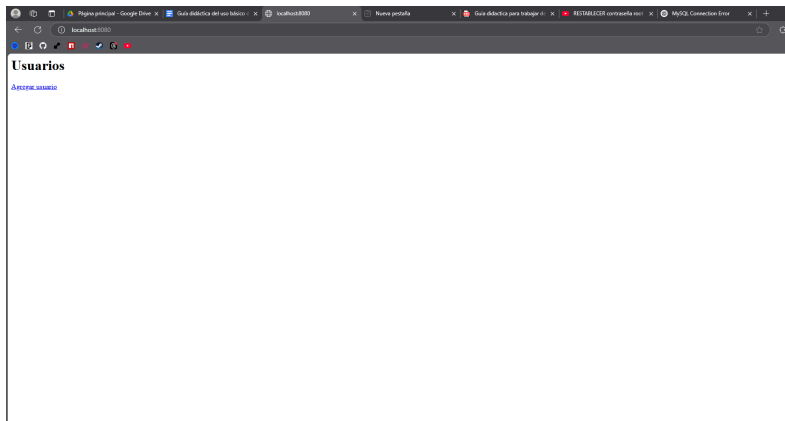
```
=> => unpacking to docker.io/library/php-crud:latest          0.0s
PS C:\Users\Emilton Navas\desktop\AppDockerSinCompose> docker run -d --name php-app -p 8080:80 php-crud
8831983ae3726249526872dc2c32ed7289f6a4559985955dd09cef5bc4eefdd
PS C:\Users\Emilton Navas\desktop\AppDockerSinCompose> docker ps
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS                    NAMES
8831983ae372   php-crud   "docker-php-entrypoi..." 4 seconds ago Up 3 seconds    0.0.0.0:8080->80/tcp      php-app
2f74917dbdd4   mysql:8.0  "docker-entrypoint.s..." 49 minutes ago Up 49 minutes    33060/tcp, 0.0.0.0:3307->3306/tcp  mysql-server
PS C:\Users\Emilton Navas\desktop\AppDockerSinCompose> |
```

Q Search

Only show running containers

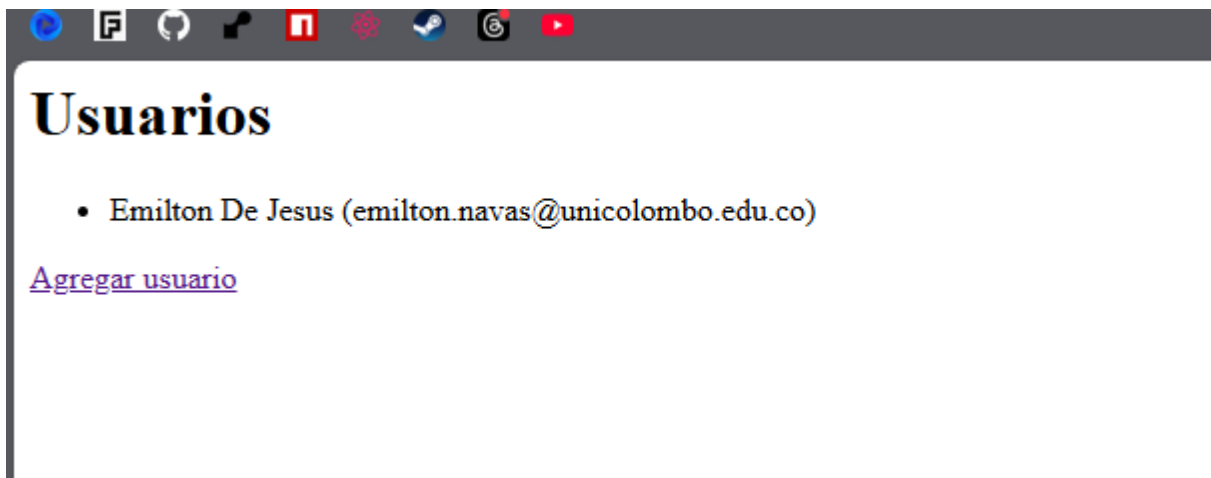
<input type="checkbox"/>	Name	Container ID	Image	Port(s)	CPU (%)	Last sta	Actions
<input type="checkbox"/>	<div><div></div>mysql-server</div>	2f74917dbdd4	<div><div></div>mysql:8.0</div>	<div>3307:3306</div>	0.55%	50 minut	<div><div></div><div>:</div><div></div></div>
<input type="checkbox"/>	<div><div></div>php-app</div>	8831983ae372	<div><div></div>php-crud</div>	<div>8080:80</div>	0.01%	36 secur	<div><div></div><div>:</div><div></div></div>

vamos a la url localhost:8080/index.php y probamos que ya nos deje acceder y crear usuarios y listarlos



Agregar usuario

\



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[Agregar usuario](#)