

Title: Docker PHP MySQL connection refused

Post Body:

I am trying to run a site using multiple container configuration - one for apache, second for mysql and third for myadmin. Everything starts fine, setup runs smooth but when I try to run a PHP application I get `mysqli::__construct(): (HY000/2002): Connection refused in system/libraries/drivers/Database/Mysqli.php [54] error.`

It seems that there's something wrong with the connection settings but I checked the site through PHP MyAdmin running on separate container and copied the db host IP from there just to be sure. How can I/should I connect from PHP container to MySQL db?

Here's my `docker-compose.yml` file:

```
version: '3'
services:
  web:
    build:
      context: ./etc/php
    args:
      - APP_HOST=${APP_HOST}
      - MYSQL_HOST=${MYSQL_HOST}
```

And the `.env` with variables:

```
VIRTUAL_HOST=foo.local APP_PORT=80 APP_PORT_SSL=443 MYADMIN_PORT=8081 APP_HOST=foo.local ADMIN_APP_HOST=admin-foo.local MYSQL_HOST=foo.local
```

Oh, and here's the code I try to run:

```
$this->link = $socket ? new mysqli(null, $user, $pass, $database, $port, $socket) : new mysqli($host, $user, $pass, $database, $port, $socket);
```

Output of `echo $host.'
' . $user.'
' . $pass.'
' . $database.'
' . $port.'
' . $socket;` is following:

```
172.26.0.2 root root hq_local 3306
```

Accepted Answer:

check your container IP with a `docker inspect [container name]` but write IP in a file is not very good. Replace IP by name of your db container.

Highest Rated Answer:

You can always use `host.docker.internal` as IP, therefore you can use something like this:

```
$db = new PDO('mysql:host=host.docker.internal;port=3306;dbname=db', 'root', 'pass');
```