Title: How do I solve postgresql error 'connection attempt failed'?
Post Body:

I wanted to build my springboot project. Then I want to dockerize my code. But when I built, I got error. I think this occured caused by postgresql setting. But I could not find reason.

Could you please help me?

```
docker-compose.yml file;  version: '2' services:   web:     build: .     ports:       - 8080:8080   db:     container_name: pr
```

application.yml file;

```
server:   port: 8761 eureka:   client:   registerWithEureka: false   fetchRegistry: false   server:   enableSelfPreservation:
```

Error looks like;

org.postgresql.util.PSQLException: The connection attempt failed.

Thank you

Accepted Answer: None
Highest Rated Answer:

If your docker-compose.yml file is well configured, it should be start two containers:

```
docker ps
```

source: https://intelligentbee.com/2017/09/18/setup-docker-symfony-project/

One for app and one for db.

These containers are in the same host, so if your web need to connect to the database, you must the ip instead : localhost, 127.0.0.1 or 0.0.0.0

You cat get the ip with this

```
hostname -I| awk '{printf $1}'
```

If your web and your database would be in different host, you can use the public ip where is hosted the database. But as you are using **docker-compose** this is not the case.

I suggest you to test if your database is ready and available, before using it in your web app.

In order to test your database , You can following one of these approaches:

Check db status with telnet

There are several way , but the easiest option is the **telnet** command. For instance, in order to test if mysql container is ready to use in the same machine where was started:

```
telnet localhost 3306
```

If your mysql is ready, telnet must show you a result like the following picture:

Any other negative result, would indicate that your mysql container is exited or wrong.

Note:Change 3306 for the correct postgress port

Check db status with Database IDE

Other option for UI users is testing the database connection using some Database IDE. Just download one of the several postgress client IDEs and testing your database.

Don't hardcode parameters

It is a good practice to externalize configuration using environment variables. Spring and docker **know** and allow us to use them.

So, modify your **application.yml** :

From

```
datasource:     url: jdbc:postgresql://db:5432/productdb
```

To

```
datasource:     url: jdbc:postgresql://${DATABASE_HOST}:5432/productdb
```

For **development**, in your eclipse use run as configurations >> environment section

For **production** you can:

- export variable before **run**
- pass it to your docker run sentence...

```
docker run -d \ --name my_funny_api \ -p 8080:8080 \ -e 'DATABASE_HOST=10.10.01.52' \ -i -t my_funny_api_image
```

or

```
export HOST_IP=$(hostname -I| awk '{printf $1}')  docker run -d \ --name my_funny_api \ -p 8080:8080 \ -e 'DATABASE_HOST=${DAT
```

- Finally to avoid manually task to manage your variables, you can use : http://github.com/jrichardsz/tachikoma-ops