

Create EC2 instance Ubuntu :

Enable security as per your requirement or just enable for all traffic and says from anywhere.

Login with Ubuntu

Login with root --- sudo -i

Installing Java:

```
sudo add-apt-repository ppa:openjdk-r/ppa
```

```
sudo apt-get update
```

```
sudo apt-get install openjdk-8-jdk
```

Installing Maven :

```
sudo apt-get install maven
```

```
sudo apt-get install git
```

```
git clone https://github.com/sivakethineni/CI-CD-project.git
```

```
cd CI-CD-project
```

```
git branch -a
```

```
git checkout vp-docker
```

```
ls
```

```
mvn install
```

```
ls
```

```
cd target
```

```
ls
```

```
cd ..
```

```
cp target/vprofile-v1.war docker-web
```

```
cd docker-web
```

```
ls
```

```
vi Dockerfile
```

```

root@ip-172-31-2-217:~/CI-CD-project# cd Docker-web
root@ip-172-31-2-217:~/CI-CD-project/Docker-web# cat Dockerfile
FROM tomcat:8-jre8

RUN rm -rf /usr/local/tomcat/webapps/*

COPY vprofile-v1.war /usr/local/tomcat/webapps/ROOT.war

EXPOSE 8080
CMD ["catalina.sh", "run"]

root@ip-172-31-2-217:~/CI-CD-project/Docker-web# █

```

Just remove target before vprofile-v1.war

:wq

docker build -t goldentech/vprofileapp:v1 .

docker images

docker run -d -name visualpathapp -p 7090:8080 goldentech/vprofileapp:v1


docker ps

goto browser type <ipaddress:7090>

Not secure | 52.53.189.161:7090/login

**V** PATH TECHNOLOGIES ABOUT BLOG

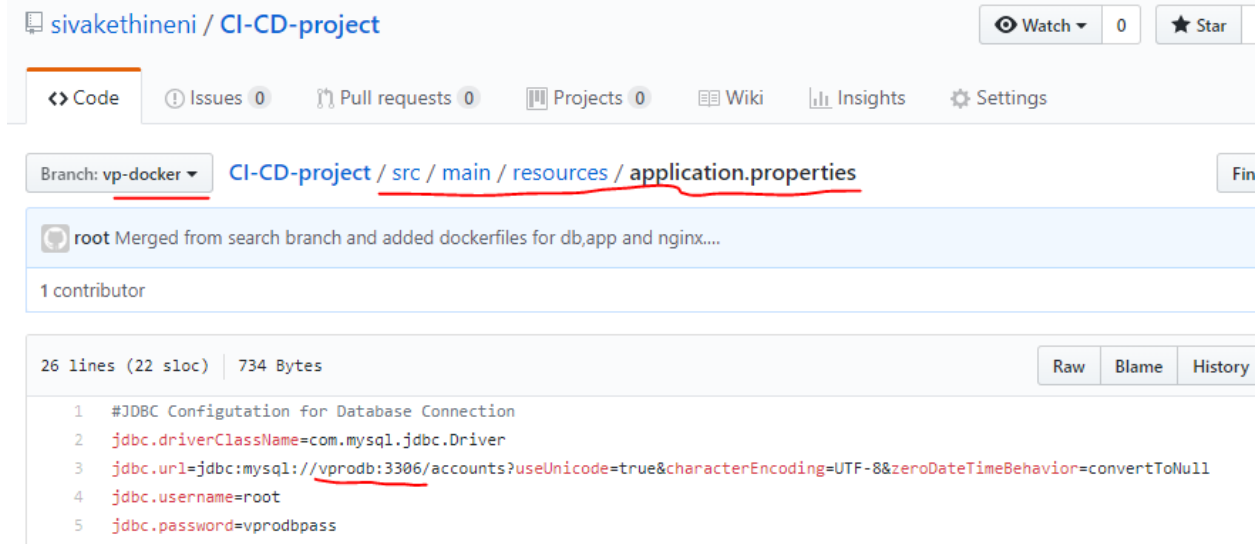
## LOGIN






[Create an account](#)

cd Docker-db



sivakethineni / CI-CD-project

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Branch: vp-docker CI-CD-project / src / main / resources / application.properties

root Merged from search branch and added dockerfiles for db,app and nginx....

1 contributor

26 lines (22 sloc) | 734 Bytes

Raw Blame History

```
1 #JDBC Configuration for Database Connection
2 jdbc.driverClassName=com.mysql.jdbc.Driver
3 jdbc.url=jdbc:mysql://vprodb:3306/accounts?useUnicode=true&characterEncoding=UTF-8&zeroDateTimeBehavior=convertToNull
4 jdbc.username=root
5 jdbc.password=vprodbpass
```

docker build -t goldentech/visualdbvpro:v1 .

docker images

docker run -d --name vprodb -p 3306:3306 -e MYSQL\_ROOT\_PASSWORD=vprodbpass  
goldentech/visualdbvpro:v1

docker exec -it <containerid> /bin/bash

mysql -u root -p

show databases;

use accounts;

show tables;

quit

exit

docker ps

ls

docker run -d --name vprodb -p 3306:3306 -e MYSQL\_ROOT\_PASSWORD=vprodbpass  
goldentech/visualdbvpro:v1

docker ps

My DB is ready now

We have to link application with database now

```
docker run --name vprofileapp --link vprodb:mysql -d -p 7070:8080 goldentech/vprofileapp:v1
```

```
docker ps
```

```
root@ip-172-31-2-217:~/CI-CD-project/Docker-db# docker run --name vprofileapp --link vprodb:mysql -d -p 7070:8080 goldentech/vprofileapp:v1
d7e07f1d441348392f864bf48e0e31c3d39799dc0cd987e45a6428efe048e107
root@ip-172-31-2-217:~/CI-CD-project/Docker-db# docker ps
```

CONTAINER ID	IMAGE	PORTS	NAMES	COMMAND	CREATED
d7e07f1d4413	goldentech/vprofileapp:v1	0.0.0.0:7070->8080/tcp	vprofileapp	"catalina.sh run"	6 seconds ago

```
root@ip-172-31-41-156:~/VProfile/Docker-db# docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
b9396f135ed5	visualpath/visualdbvpro:v1	"docker-entrypoint.s..."	About a minute ago	Up About a minute	0.0.0.0:3306->3306/tcp	vprodb

```
root@ip-172-31-41-156:~/VProfile/Docker-db# docker run --name vprodb -d -p 3306:3306 -e MYSQL_ROOT_PASSWORD=vprodbpass visualpath/visualdbvpro:v1AC
root@ip-172-31-41-156:~/VProfile/Docker-db# docker ps
```


CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
b9396f135ed5	visualpath/visualdbvpro:v1	"docker-entrypoint.s..."	3 minutes ago	Up 3 minutes	0.0.0.0:3306->3306/tcp	vprodb

```
root@ip-172-31-41-156:~/VProfile/Docker-db# docker run --name vprofileapp --link vprodb:mysql -d -p 7070:8080 visualpath/visualvprofile:v1
```

ⓘ Not secure | 54.193.102.125:7090/login

[PATH](#) [TECHNOLOGIES](#) [ABOUT](#) [BLOG](#)

## LOGIN



[Create an account](#)

Create an account and try to login with those credentials that's it we successfully deployed our project on containers.

**Second use case :**

It is a ruby application which is available on public repository

git clone <https://github.com/jpetazzo/namer>

ls

cd namer

ls

docker run -d -v \$(pwd):/src -p 7080:9292 jpetazzo/namer

\$(pwd) ---- Means it is pointing to a current working directory.

Now go to browser and type <ipaddress:7080>



ls

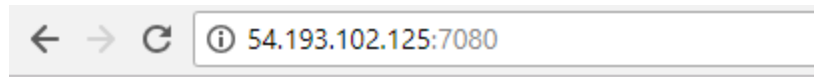
vi company\_name\_generator.rb

Here we are going to test our volumes here I just mapped with my working directory with /src directory in container so we can do some modifications here.

```
root@ip-172-31-2-217:~/namer# cat company_name_generator.rb
class CompanyNameGenerator < Sinatra::Base
  register Sinatra::Reloader

  get '/' do
    name = Faker::Company.name
    bs = Faker::Company.bs
    <<-HTML
    <html>
      <style>
        h1, h2 {
          font-family: Georgia, Times New Roman, Times, serif;
          color: red;
          margin: 0;
        }
      </style>
    <title>Company name generator</title>
    <body>
```

Red is replaced with royalblue colour and go to browser and just refresh it



# Gibson Inc

## morph world-class niches

Became red colour means files are in sync.

`docker ps`

`docker exec -it <container id> /bin/bash`

```
root@ip-172-31-2-217:~/namer# docker exec -it bfb59aa4e942 /bin/bash
root@bfb59aa4e942:/src# ls
Dockerfile  Gemfile.lock  company_name_generator.rb  docker-compose.yml
Gemfile     README.md     config.ru
```

`exit`

`docker stop <container id>`

`docker rm <container id>`

`docker run --name newrubyapp -d -v $(pwd):/src -p 7080:9292 jpetazzo/namer`

Here our current working directory changes what we did those changes again map with new container so that text red colour means we just shared same volume with multiple containers that's the advantage of volumes.