

In this assignment we will see how to run a complete WordPress Blog and MySQL Database Server on Docker Containers running on Docker Linux Host.

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for performing this we need two images wordpress and mysql

both images available on Docker hub registry server

step1:- pull mysql and wordpress image from docker hub registry server with latest tag

-->Create a MySQL Database Container

Before we create my WordPress Blog container, we will create a MySQL Database Server Container using the line below.

-----Note: We must set the password to get MySQL to start-----

step2:- launch container named mysql by image mysql using mysql password grras

```
#docker run -d --name=mysql -e MYSQL_ROOT_PASSWORD=grras -e  
MYSQL_DATABASE=wordpress mysql
```

-->Create WordPress Container

Now that our Database Server is up and running

we will create my WordPress Application Container with all the MySQL Container Details below.

step3:-

```
#docker run -d --name=wordpress --link=mysql -p 8081:80 -e  
WORDPRESS_DB_HOST=mysql_container_ip:3306 \  
  
-e WORDPRESS_DB_USER=root -e WORDPRESS_DB_PASSWORD=grras -e  
WORDPRESS_DB_NAME=wordpress \  
  
-e WORDPRESS_TABLE_PREFIX=wp_ -d wordpress
```

---imp note (in above command replace mysql\_container\_ip from actual ip of mysql container)---

deployment is done now configure wordpress for that follow step 4

step4:- ->go to web browser(firefox,google chrome, microft edge)

->go to url and type http://host\_IP:8081

now here you will see word press

-> now select english(united states)

-> All we need to do now, Is settings up Site Title and Password

-> enter site title (grras) and password by default set and set username (admin)

enter mail id (name@grras.com)

->now click on install wordpress

-> now click on login

-> enter your seted username and password

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our wordpress is finally setup with mysql

assignment done