**DOCKER-COMPOSE**

1. Launched an ec2 instance and I have made a dedicated security group where I have opened 8080 port.
2. Installed docker and docker compose

**Linking wordpress with Mongo database**

**Manually:**

* Started service using sudo service docker start

We are pulling mongo image and running the container using following command $ sudo docker run --name blogmongo -e MONGODB\_PASSWORD=pw -d -p 8081:27017 mongo

* Similarly we are starting wordpress container and linking to database using $ sudo docker run --name blogwordpress --link blogmongo:mongo -e WORD\_PRESS\_DB\_PASSWORD=pw -d -p 8080:80 wordpress:4.9.5-php5.6-apache
* Wordpress is up and running
* In browser <http://Public-IP-Of-EC2-Instance:8080> and redirects to wordpress

**Using docker-compose.yml**

version: '2'

services:

wordpress:

image: wordpress:4.9.5-php5.6-apache

ports:

- 8080:80

environment:

WORD\_PRESS\_DB\_PASSWORD: pw

mongo:

image: mongo

environment:

MONGODB\_PASSWORD: pw

ports:

- 8081:27017

* In browser <http://Public-IP-Of-EC2-Instance:8080> and redirects to wordpress

**Linking wordpress with Mysql database**

**Manually:**

* Started service using sudo service docker start

We are pulling mongo image and running the container using following command $ sudo docker run --name blogsql -e MYSQL\_ROOT\_PASSWORD=pw -d -p 8081:3306 mariadb:10.3.6

* Similarly we are starting wordpress container and linking to database using $ sudo docker run --name blogwordpress --link blogsql:mysql -e WORD\_PRESS\_DB\_PASSWORD=pw -d -p 8080:80 wordpress:4.9.5-php5.6-apacheWordpress is up and running
* In browser <http://Public-IP-Of-EC2-Instance:8080> and redirects to wordpress

**Using docker-compose.yml**

version: '2'

services:

wordpress:

image: wordpress

ports:

- 8080:80

environment:

WORDPRESS\_DB\_PASSWORD: pw

mysql:

image: mariadb

environment:

MYSQL\_ROOT\_PASSWORD: pw

* In browser <http://Public-IP-Of-EC2-Instance:8080> and redirects to wordpress