Docker-AWS-apache project of launching multiple websites on different isolated containers on a single EC2 instance.

Step 01) Create a EC2 instance with required permissions and rhel AMI.

Step 02) install and start docker on this instance.

Step 03) now we’ll create containers on this. to make the containers isolated,

we are going to create 3 bridge networks.

docker network ls : to list the present networks

docker network create -d bridge my-bridge-network-1

docker network create -d bridge my-bridge-network-2

docker network create -d bridge my-bridge-network-3

docker network ls

Step 04) now we’ll create 3 different containers in these 3 different networks

docker run -d --network my-bridge-network-1 --name con1 --hostname con1 -p 8080:80 nginx

docker run -d --network my-bridge-network-2 --name con2 --hostname con2 -p 8081:80 nginx

docker run -d --network my-bridge-network-3 --name con3 --hostname con3 -p 8082:80 nginx

Step 05) now we’re going to put the data on these containers from outside the container

on instance create 3 directories web1, web2, web3

mkdir web1, web2, web3

now go to free css template and get one website

cd web1

wget <paste the url of website> : it’ll give a zip file

unzip <zip\_file\_name> : it’ll give the data file

rm -rf <zip-file\_name>

cp -r <datafile>/\* .

rm -rf <datafile>

docker cp . con1:/usr/share/nginx/html/

cd web2

wget <paste the url of website> : it’ll give a zip file

unzip <zip\_file\_name> : it’ll give the data file

rm -rf <zip-file\_name>

cp -r <datafile>/\* .

rm -rf <datafile>

docker cp . con2:/usr/share/nginx/html/

cd web3

wget <paste the url of website> : it’ll give a zip file

unzip <zip\_file\_name> : it’ll give the data file

rm -rf <zip-file\_name>

cp -r <datafile>/\* .

rm -rf <datafile>

docker cp . con3:/usr/share/nginx/html/

Step 06) now hit the pub\_ip of instance with port 8080, 8081, 8082