//

SYSTEM REQUIREMENT

//

1. Operating System : Any OS (Windows, Linux, Mac)
2. Software : Docker Services
3. Hardware : nil

//

STEPS TO CONFIGURE DOCKER.REPO

//

1) Login into root account
2) Open terminal and type the following commands
   cd /etc/yum.repos.d/
3) Write the docker.repo file using the following command
   vim docker.repo
   #paste the following

   [docker]

   baseurl=https://download.docker.com/linux/centos/7/x86_64/stable/

   gpgcheck=0

//

STEPS TO INSTALL DOCKER

//

FOR REDHAT LINUX 8:

yum install docker-ce --nobest

systemctl start docker

systemctl status docker

//

STEPS TO INSTALL DOCKER-COMPOSE

//

```
curl -L "https://github.com/docker/compose/releases/download/1.25.4/docker-compose-$(uname -s)-$(uname -m)" -o /usr/local/bin/docker-compose


chmod +x /usr/local/bin/docker-compose
```

//

STEPS TO RUN DOCKER-COMPOSE FILE

//

```
mkdir /myCompose
cd /myCompose
vim docker-compose.yml
```
#paste the source code in this file and save it

#run the file

```
docker-compose up
```
#the installation process takes some time depending on the net speed

#stop the server

```
docker-compose down
```
#stop the server temporarily

```
docker-compose stop
```
#restart the server

```
docker-compose start
```

//

NETWORK SETTINGS

//

///networking//

#flush all exusting rules

iptables -F

#allow server to be accessed from anywhere on the internet

iptables -P FORWARD ACCEPT

//firewall settings//

#Masquerading allows for docker ingress and egress

firewall-cmd --zone=public --add-masquerade --permanent

#Specifically allow traffic on port 80/443

firewall-cmd --zone=public --add-port=80/tcp

firewall-cmd --zone=public --add-port=443/tcp

#Reload firewall

firewall-cmd --reload

#Restart docker

systemctl restart docker

NOTE: RUN THE **COMMANDS** IN TERMINAL