**Sshd Config**

Port 22

Protocol 2

HostKey /etc/ssh/ssh\_host\_rsa\_key

HostKey /etc/ssh/ssh\_host\_dsa\_key

HostKey /etc/ssh/ssh\_host\_ecda\_key

HostKey /etc/ssh/ssh\_host\_ed25519\_key

LoginGraceTime 120

PermitRootLogin yes

StrictModes yes

RSAAuthentication yes

PubkeyAuthentication yes

UsePAM yes

**Centos Dockerfile**

FROM centos

RUN yum -y update

RUN yum install -y openssh-server

RUN ssh-keygen -A

ADD ./sshd\_config /etc/ssh/sshd\_config

RUN echo root:P455w0rd | chpasswd

CMD /usr/sbin/sshd -D

**Ubuntu Dockerfile**

FROM ubuntu

RUN apt-get update && \

apt-get install -y openssh-server && \

rm -rf /var/lib/apt/lists/\* && \

apt-get clean

RUN echo 'root:root' |chpasswd

RUN sed -ri 's/#PermitRootLogin prohibit-password/PermitRootLogin yes/' /etc/ssh/sshd\_config && \

sed -ri 's/UsePAM yes/#UsePAM yes/g' /etc/ssh/sshd\_config

RUN mkdir -p /var/run/sshd

EXPOSE 22

CMD ["/usr/sbin/sshd", "-D"]

**Docker Commands**

docker inspect test\_sshd | grep IPAddress

docker port "name(centos)" 22

docker run -it -d –name "name" -p 2222:22 ubuntu4 ubuntu - run ubuntu 2222 port

docker ps -a - show all container

docker start/stop "CName"

docker images - show images

docker rm –f $(docker ps -aq)

docker pull "name(centos)"

docker run -it "name(centos)"

docker attach "name(centos)"

docker exec -it "name(centos)" "/sbin/command" or "/bin/bash"

docker logs "name(centos)"

sysctl -w net.ipv4.ip\_forward=1

docker build -t yoav/centos .

docker exec "name(centos)" /usr/sbin/sshd -D

docker network ls

-it = interactive

-p = port

-d = detached

--net = chose network

-v = mount a volume

[Docker Tutorial for Beginners [FULL COURSE in 3 Hours] - YouTube](https://www.youtube.com/watch?v=3c-iBn73dDE&ab_channel=TechWorldwithNana)