Networking

Ran a container of ubuntu

Found the ip address using inspect command

ping of the ip address(was able to ping)

docker attach <container> (found using docker ps command)

apt-get update -y

apt-get install openssh-server

exit the container

run docker rm $(docker ps -aq) ( to clean up the containers)

try to ssh to the container using the base host

check the output

fix the scenario

Volumes

created a data container for shareing base machines /docker folder

ran another container which used this /docker volume from data container.

entered some text in a file in the data container volume

exited the container

again launched another container and used the volume from data container

checked if the data had persisted

ran a nginx container

share the ~/nginxlogs directory on base machine with the /var/log/nginx on the nginx container

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FROM ubuntu  
MAINTAINER instructor@edureka.co  
RUN apt-get update -y  
RUN apt-get install openssh-server -y  
RUN apt-get install apache2 -y  
RUN mkdir /var/run/sshd  
RUN echo 'root:root' | chpasswd  
RUN sed -ri 's/^PermitRootLogin\s+.\*/PermitRootLogin yes/' /etc/ssh/sshd\_config  
RUN sed -ri 's/UsePAM yes/#UsePAM yes/g' /etc/ssh/sshd\_config  
EXPOSE 22  
EXPOSE 80 443   
CMD ["nginx", "-g", "daemon off;"]  
CMD ["/usr/sbin/sshd", "-D"]

Put this in dokcerfile on docke server

docker build -t nginxssh .

docker run -ti -P nginxssh