

Create Image using Dockerfile

SSH to your AWS Workstation

ssh devops@<public-ip-addr> of your Workstation

Password is : Dev0p\$!!!

Replace <your-name> with your name throughout the lab.

```
$ sudo su
```

1. Clone the **Git Repo** that contains the code.

```
# mkdir Docker
# cd Docker/
# git clone https://github.com/LovesCloud/Dockerfiledemo.git
# cd Dockerfiledemo
```

2. Create a Dockerfile

```
# vim Dockerfile
```

3. Paste the below code to the **Dockerfile** and save the file

```
FROM nginx:1.13.7
COPY index.html /usr/share/nginx/html
COPY . /usr/share/nginx/html
RUN echo "Copying index.html to Container"
RUN echo "Preparing the new container"
```

Press **esc** key then **:wq** and hit **enter** to exit

4. Run the below command to build the container.

```
# docker build . -t dockerfiledemo-<your-name>
```

5. Verify that the image has been build

```
# docker images
```

```
root@ip-172-31-40-214: /home/devops/Dockerfiledemo# docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
dockerfiledemo-albert latest             18400a85f7a2       6 seconds ago      109MB
nginx                latest             27a188018e18       13 hours ago       109MB
nginx                stable             295c7be07902       3 weeks ago        109MB
portainer/portainer latest             19d07168491a       6 weeks ago        74.1MB
hello-world          latest             fce289e99eb9       3 months ago       1.84kB
nginx                1.13.7            f895b3fb9e30       16 months ago      108MB
root@ip-172-31-40-214: /home/devops/Dockerfiledemo#
```

6. Run an Image from the Image created

```
# docker run -d -p 80:80 --name dockerfiledemo-<your-name>
dockerfiledemo-<your-name>
```

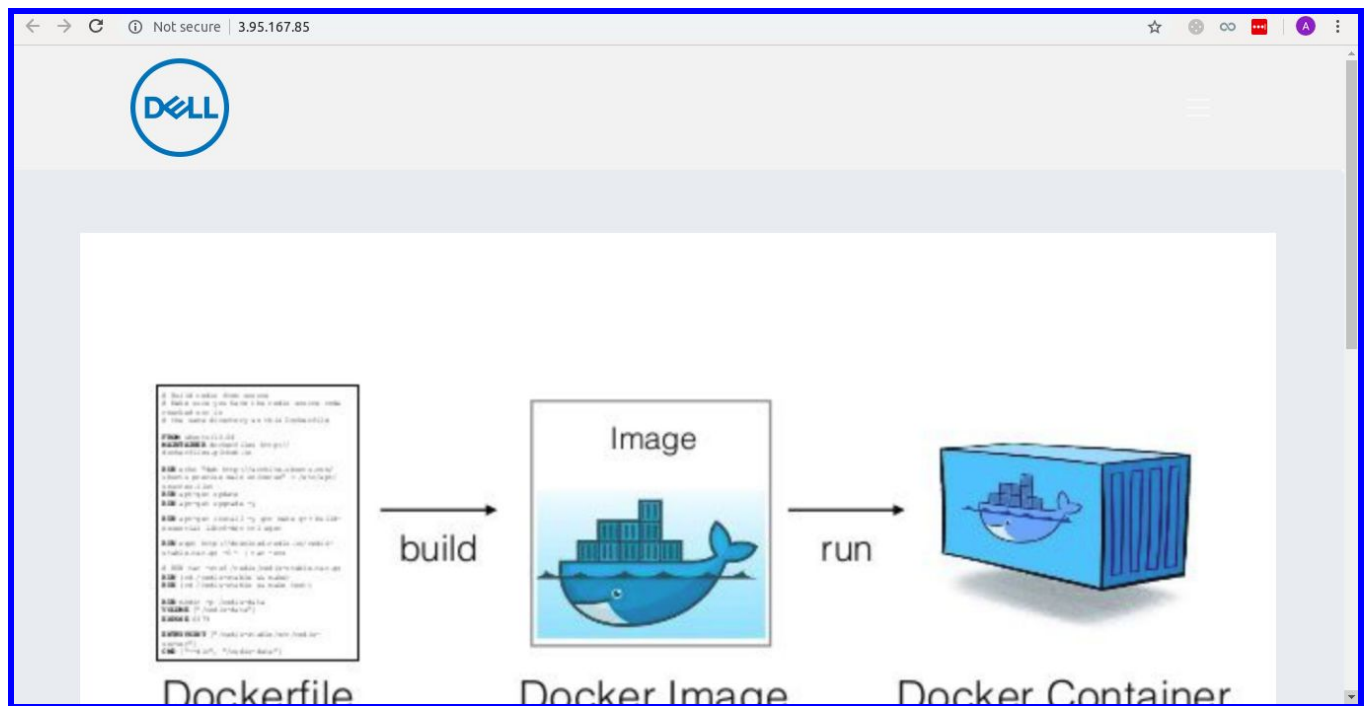
7. Check the docker container details.

```
# docker ps
```

```
root@lp-172-31-38-214: /home/devops/Docker-compose-demo-PwC/ut# docker run -d -p 80:80 --name dockerfiledemo dockerfiledemo
701e06441bc388215d50d91b53b8e3617b124fc87244cde1b68dc1cc7efec58c
root@lp-172-31-38-214: /home/devops/Docker-compose-demo-PwC/ut# docker ps
CONTAINER ID   IMAGE             COMMAND                  CREATED        STATUS        PORTS                    NAMES
701e06441bc3   dockerfiledemo    "nginx -g 'daemon of..." 6 seconds ago  Up 6 seconds  0.0.0.0:80->80/tcp       dockerfiledemo
root@lp-172-31-38-214: /home/devops/Docker-compose-demo-PwC/ut#
```

8. Goto the browser and browse the host on default port 80 to test.

http://<public-ip-of-your-workstation>



9. STOP the containers before proceeding to the next lab

```
# docker stop dockerfiledemo-<your-name>
```