CDEC – B24

Name – Vaibhav Navneet Jorvekar

NodeJs Application Using Docker File

Step 1

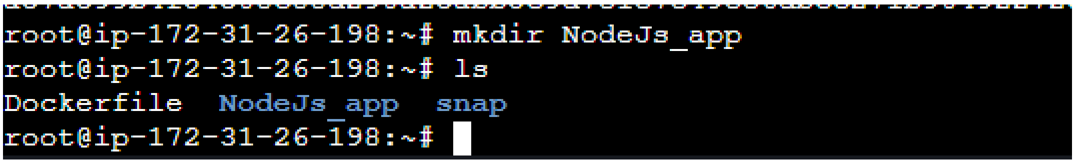
Login to aws console start your docker instance .

Connect the aws docker instance.

Step 2

-mkdir NodeJs_app

Ls

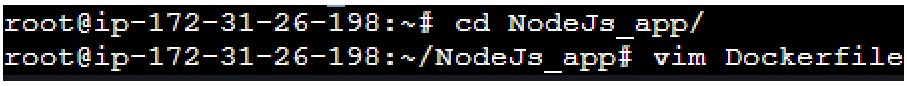


```
root@ip-172-31-26-198:~# mkdir NodeJs_app
root@ip-172-31-26-198:~# ls
Dockerfile  NodeJs_app  snap
root@ip-172-31-26-198:~#
```

step 3

-cd NodeJs_app

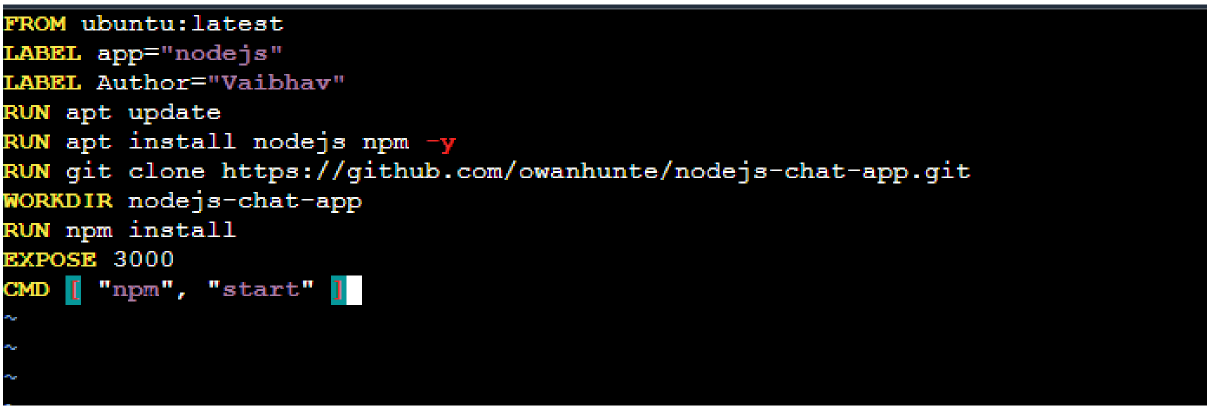
-Vim Dockerfile



```
root@ip-172-31-26-198:~# cd NodeJs_app/
root@ip-172-31-26-198:~/NodeJs_app# vim Dockerfile
```

Step 4

Paste the following content inside the Dockerfile

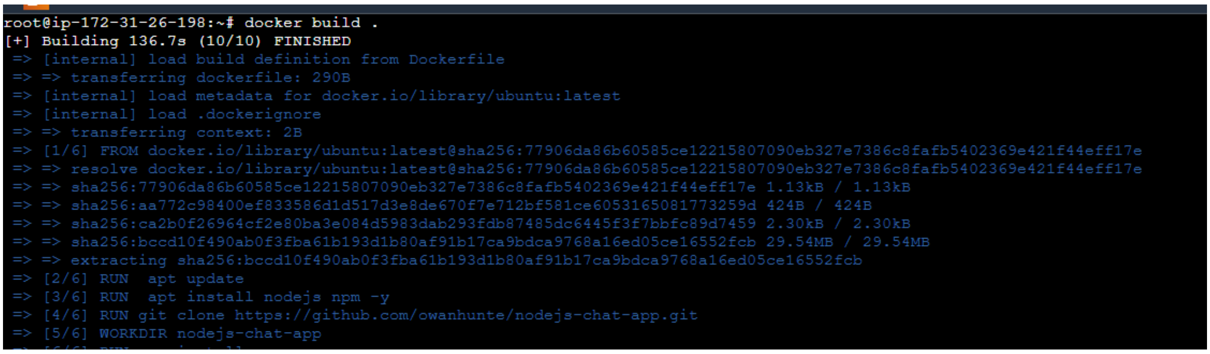


```
FROM ubuntu:latest
LABEL app="nodejs"
LABEL Author="Vaibhav"
RUN apt update
RUN apt install nodejs npm -y
RUN git clone https://github.com/owanhunte/nodejs-chat-app.git
WORKDIR nodejs-chat-app
RUN npm install
EXPOSE 3000
CMD [ "npm", "start" ]
~
~
~
```

Step 5

Create a docker image using docker build .

-docker build .

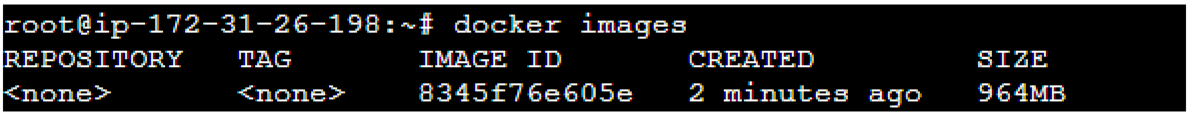


```
root@ip-172-31-26-198:~# docker build .
[+] Building 136.7s (10/10) FINISHED
 => [internal] load build definition from Dockerfile
 => => transferring dockerfile: 290B
 => [internal] load metadata for docker.io/library/ubuntu:latest
 => [internal] load .dockerignore
 => => transferring context: 2B
 => [1/6] FROM docker.io/library/ubuntu:latest@sha256:77906da86b60585ce12215807090eb327e7386c8fafb5402369e421f44eff17e
 => => resolve docker.io/library/ubuntu:latest@sha256:77906da86b60585ce12215807090eb327e7386c8fafb5402369e421f44eff17e
 => => sha256:77906da86b60585ce12215807090eb327e7386c8fafb5402369e421f44eff17e 1.13kB / 1.13kB
 => => sha256:aa772c98400ef833586d1d517d3e8de670f7e712bf581ce6053165081773259d 424B / 424B
 => => sha256:ca2b0f26964cf2e80ba3e084d5983dab293fdb87485dc6445f3f7bbfc89d7459 2.30kB / 2.30kB
 => => sha256:bccd10f490ab0f3fba61b193d1b80af91b17ca9bdca9768a16ed05ce16552fcb 29.54MB / 29.54MB
 => => extracting sha256:bccd10f490ab0f3fba61b193d1b80af91b17ca9bdca9768a16ed05ce16552fcb
 => [2/6] RUN  apt update
 => [3/6] RUN  apt install nodejs npm -y
 => [4/6] RUN git clone https://github.com/owanhunte/nodejs-chat-app.git
 => [5/6] WORKDIR nodejs-chat-app
```

Step 6

List the images using

-docker images



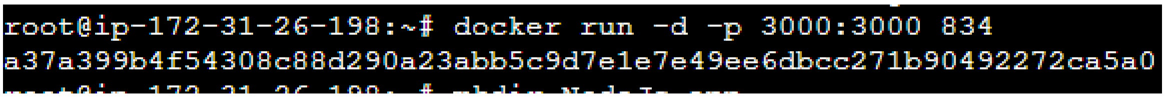
```
root@ip-172-31-26-198:~# docker images
REPOSITORY    TAG       IMAGE ID       CREATED          SIZE
<none>        <none>    8345f76e605e   2 minutes ago    964MB
```

Step 7

Create a container using the create image.

-docker run -d -p 3000:3000 <image id>

Eg. -docker run -d -p 3000:3000 834

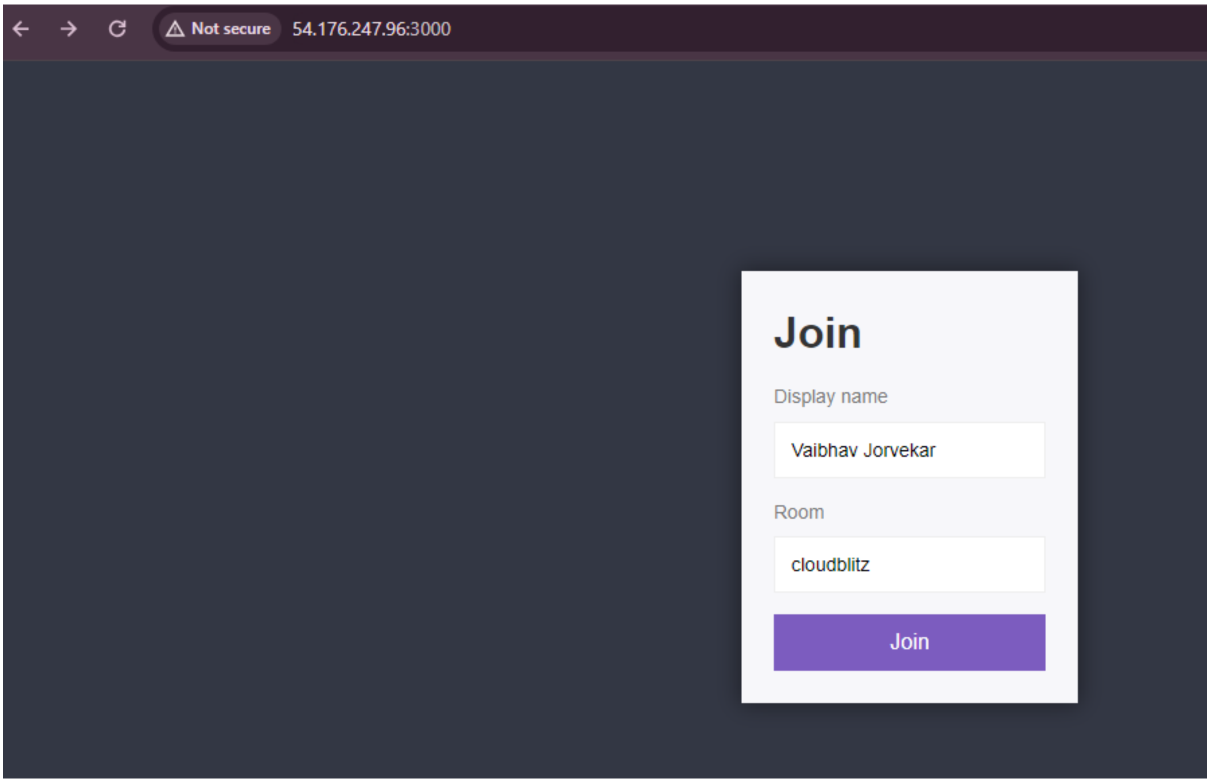


```
root@ip-172-31-26-198:~# docker run -d -p 3000:3000 834
a37a399b4f54308c88d290a23abb5c9d7e1e7e49ee6dbcc271b90492272ca5a0
```

Step 8

Check the application

In case it is- http://54.176.247.96:3000/



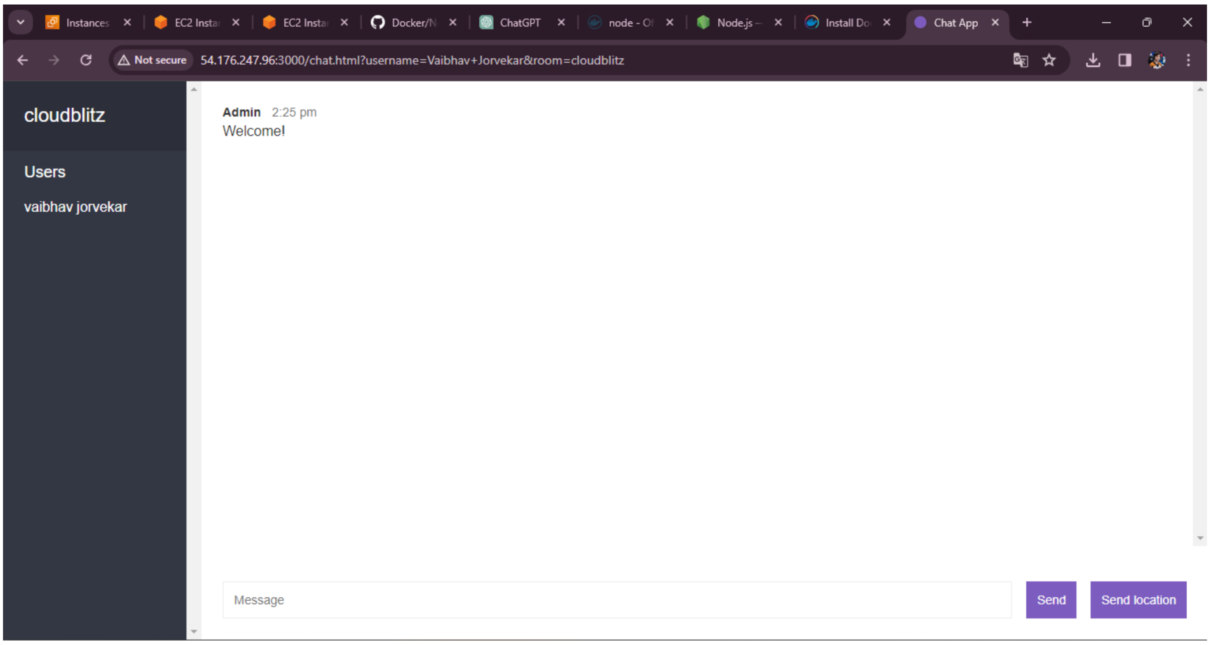
Join

Display name

Vaibhav Jorvekar

Room

cloudblitz



cloudblitz

Users

vaibhav jorvekar

Admin 2:25 pm
Welcome!