

Install Jenkins and httpd using Dockerfile

1. Launch Instance in AWS Management Console.
2. Security group with ALL TRAFFIC and Anywhere.
3. Connect to instance.
4. Install Docker on this machine

sudo su

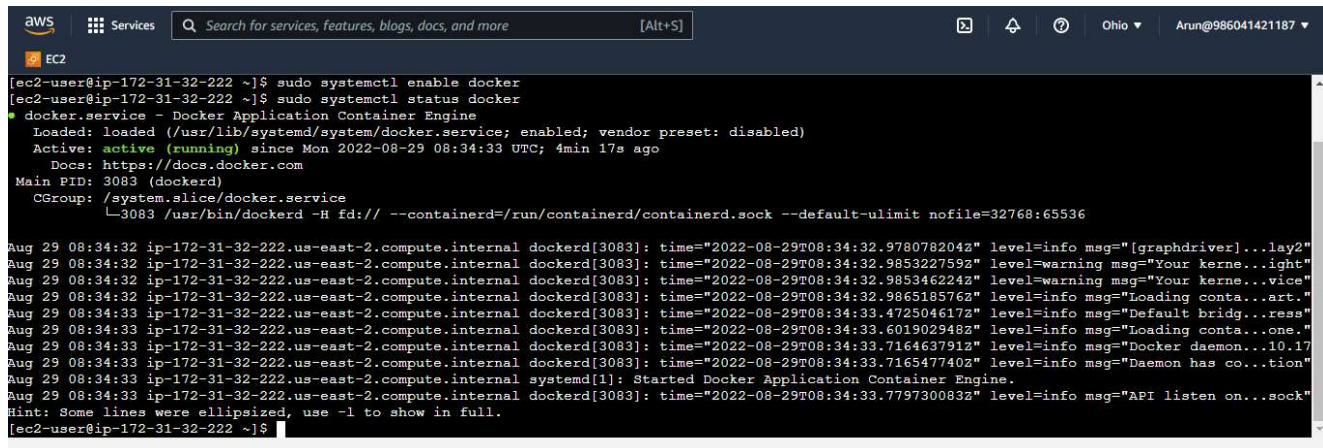
sudo apt-get update

sudo apt install docker.io

sudo systemctl enable docker

sudo systemctl start docker

sudo systemctl status docker

A screenshot of the AWS Management Console interface. At the top, there's a search bar and navigation icons. Below, the 'EC2' instance is selected. A terminal window is open, showing the command 'sudo systemctl enable docker' and its output. The output indicates that the Docker service is now enabled and active. It also shows the Docker daemon's logs, including messages about loading the container engine and starting the Docker Application Container Engine. The terminal prompt is '[ec2-user@ip-172-31-32-222 ~]\$'.

5. docker --version

6. vim dockerfile

FROM jenkins/jenkins:latest

USER root

RUN apt-get update && apt-get install -y build-essential

USER jenkins

esc :wq

7. docker build -t myjenkins .

EXPOSE 80

esc :wq

11. docker build -t myhttpd .

```
aws Services Search for services, features, blogs, docs, and more [Alt+S] Ohio Arun@986041421187
EC2
root@ip-172-31-35-159:/home/ubuntu# vim dockerfile
root@ip-172-31-35-159:/home/ubuntu# docker build -t myhttpd .
Sending build context to Docker daemon 13.31kB
Step 1/2 : FROM httpd:2.4
--> a981c8992512
Step 2/2 : EXPOSE 80
--> Running in 470efcc45b6b
Removing intermediate container 470efcc45b6b
--> 909414027813
Successfully built 909414027813
Successfully tagged myhttpd:latest
root@ip-172-31-35-159:/home/ubuntu#
```

12. docker run --name httpd -p 80:80 myhttpd

```
root@ip-172-31-35-159:/home/ubuntu# docker image ls
REPOSITORY TAG IMAGE ID CREATED SIZE
myhttpd latest 909414027813 20 minutes ago 145MB
root@ip-172-31-35-159:/home/ubuntu# docker container ls
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
a031e4d48cfb myhttpd "httpd-foreground" 14 minutes ago Up 14 minutes 0.0.0.0:80->80/tcp, :::80->80/tcp httpd
root@ip-172-31-35-159:/home/ubuntu#
```