

Creating Docker-Compose using yaml file

1: Create a folder called “**docker**”

```
mkdir docker
```

```
ls
```

```
cd docker
```

```
root@ip-172-31-16-129:/home/ubuntu# mkdir docker
root@ip-172-31-16-129:/home/ubuntu# ls
docker
root@ip-172-31-16-129:/home/ubuntu# cd docker
root@ip-172-31-16-129:/home/ubuntu/docker#
```

2: Write the sample YAML file in “**docker-compose.yml**” file

```
nano docker-compose.yml
```

Now paste the below content in nano editor

```
version: '3'
```

```
services:
```

```
  sample1:
```

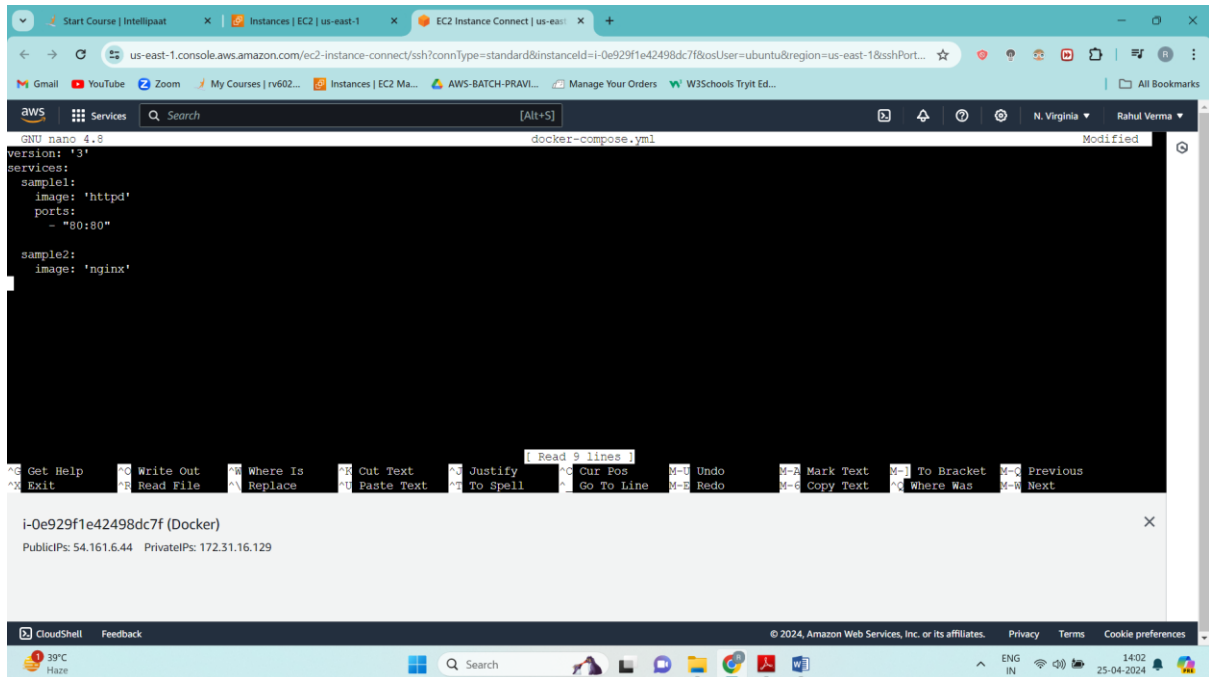
```
    image: 'httpd'
```

```
    ports:
```

```
      - "80:80"
```

```
  sample2:
```

```
    image: 'nginx'
```



press ctrl+c and ctrl+x to save and exit from nano editor

3: To build this docker-compose file, here is the syntax

docker-compose up -d

```
root@ip-172-31-16-129:/home/ubuntu/docker# docker-compose up -d
Creating network "docker_default" with the default driver
Pulling sample1 (httpd)...
latest: Pulling from library/httpd
b0a0cf830b12: Already exists
851c52adaa9b: Pull complete
4f4fb700ef54: Pull complete
39d9f60535a6: Pull complete
943a2b3cf551: Pull complete
ea83e81966d6: Pull complete
Creating docker_sample2_1_4301e1883184 ... done
Creating docker_sample1_1_d6ea2bd8e01e ... done
root@ip-172-31-16-129:/home/ubuntu/docker#
```

4: verify if it's done or not

docker ps

```
root@ip-172-31-16-129:/home/ubuntu/docker# docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
f709854ec126	httpd	"httpd-foreground"	About a minute ago	Up About a minute	0.0.0.0:80->80/tcp, :::80->80/tcp	docker_sample1_1_fbd29c6f3f97
831fe77a9083	nginx	"/docker-entrypoint..."	About a minute ago	Up About a minute	80/tcp	docker_sample2_1_d842e6323831
cd8a915da6a9	nginx:latest	"/docker-entrypoint..."	2 hours ago	Up 2 hours	80/tcp	tmpfs-mount
bef4070566d6d	nginx:latest	"/docker-entrypoint..."	2 hours ago	Up 2 hours	80/tcp	tmpfs-container

```
root@ip-172-31-16-129:/home/ubuntu/docker#
```