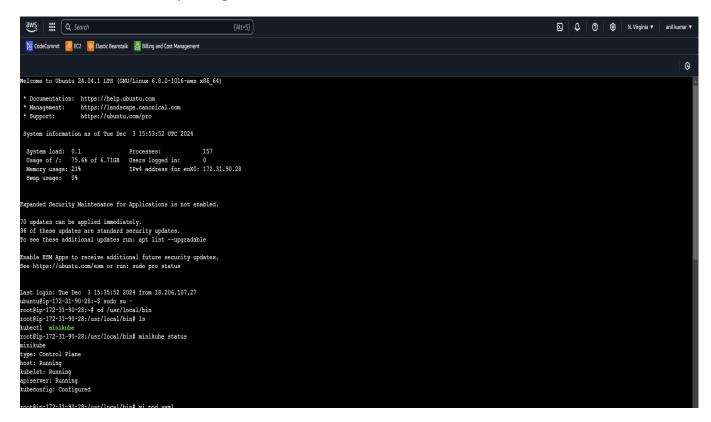
KUBERNETES TASK

Steps to create 5 containers in single pod with manifest file

Step 1:

- 1. Create the server with ubuntu flavor
- 2. Install the docker packages
- 3. Install the minikube packages
- 4. Install the kubectl packages



Step 2:

1. Create the manifest file to create two containers in one pod as shown in below figure:

```
etadata:
  name: nginx-pod
labels:
app: nginx
  containers:
- name: nginx
image: nginx:1.14.2
ports:
       containerPort: 80
apiVersion: v1
metadata:
name: httpd-pod
labels:
app: httpd
  containers:
   - name: httpd
image: httpd:2.4
ports:
       containerPort: 80
apiVersion: v1
kind: Pod
  etadata:
  name: redis-pod
labels:
   app: redis
   containers:
   - name: redis
image: redis:6.2.6
      - containerPort: 6379
apiVersion: v1
 ind: Pod
```

```
apiVersion: v1
kind: Pod
metadata:
   name: ubuntu-pod
labels:
   app: ubuntu
spec:
   containers:
   - name: ubuntu
   image: ubuntu:20.04
   command: ["sleep", "3600"]

i-Oe162732afacdaOf9 (Kubernetes)
PublicIPs: 54.162.100.29 PrivateIPs: 172.31.90.28
```

Applies the specified pod.yaml file to the Kubernetes cluster

The command is:

kubectl apply -f pod.yaml

➤ Give command kubectl get pods to see all the pods as shown in

below figure

root@ip-172-31	-90-28:/	usr/local/	/bin# ku	ubectl get pods
NAME	READY	STATUS	RESTAI	RTS AGE
httpd-pod	1/1	Running	0	20s
nginx-pod	1/1	Running	0	20s
pod1	1/1	Running	0	16m
postgres-pod	1/1	Running	0	20ន
redis-pod	1/1	Running	0	20s
ubuntu-pod	1/1	Running	0	20s