KUBERNETES TASK

Steps to create 5 containers in single pod with

manifest file

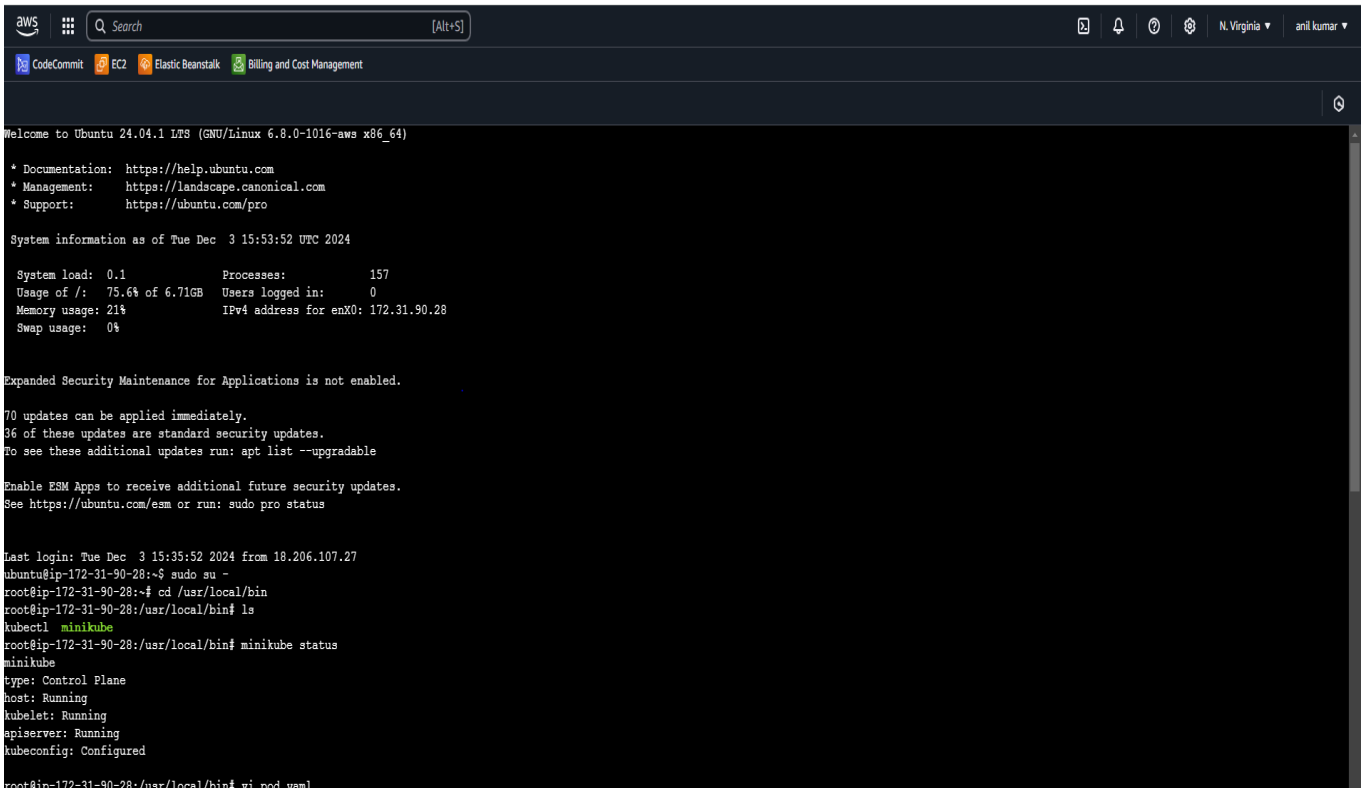
Step 1:

1. Create the server with ubuntu flavor

2. Install the docker packages

3. Install the minikube packages

4. Install the kubectl packages



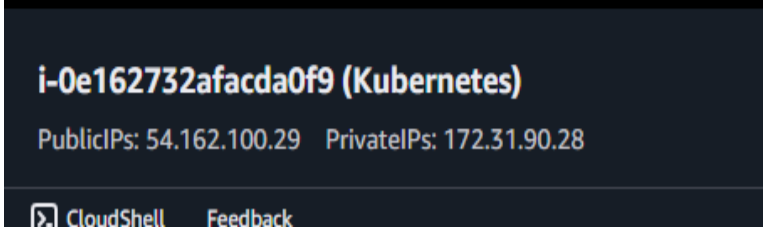
Step 2:

1. Create the manifest file to create two containers in one pod as

shown in below figure:

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

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



- 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