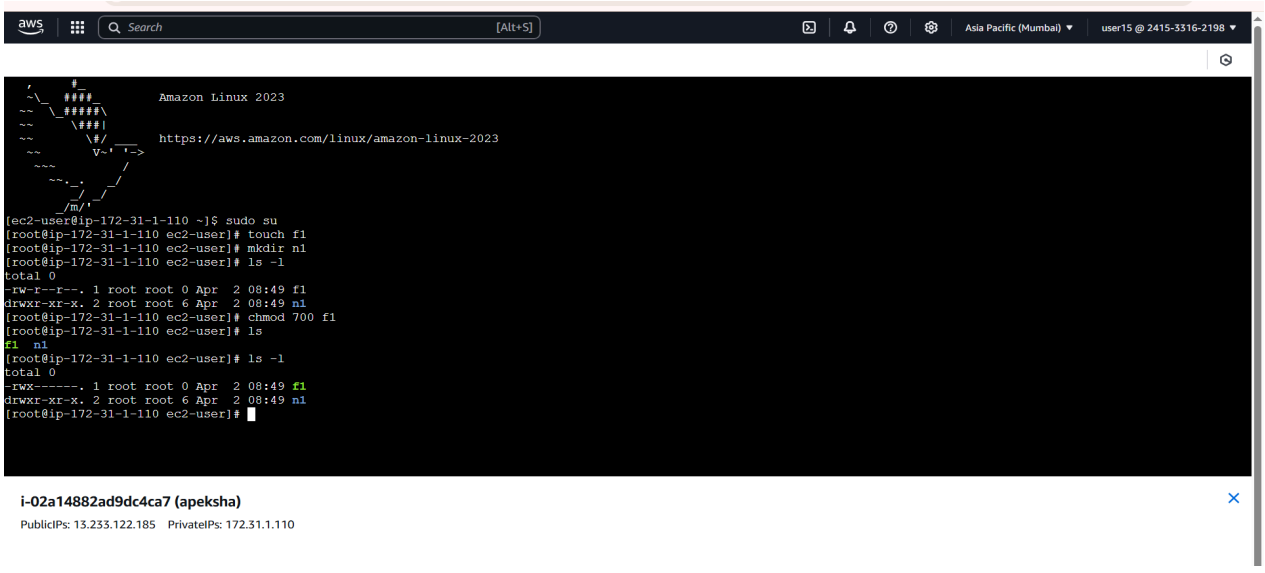
Day-5:

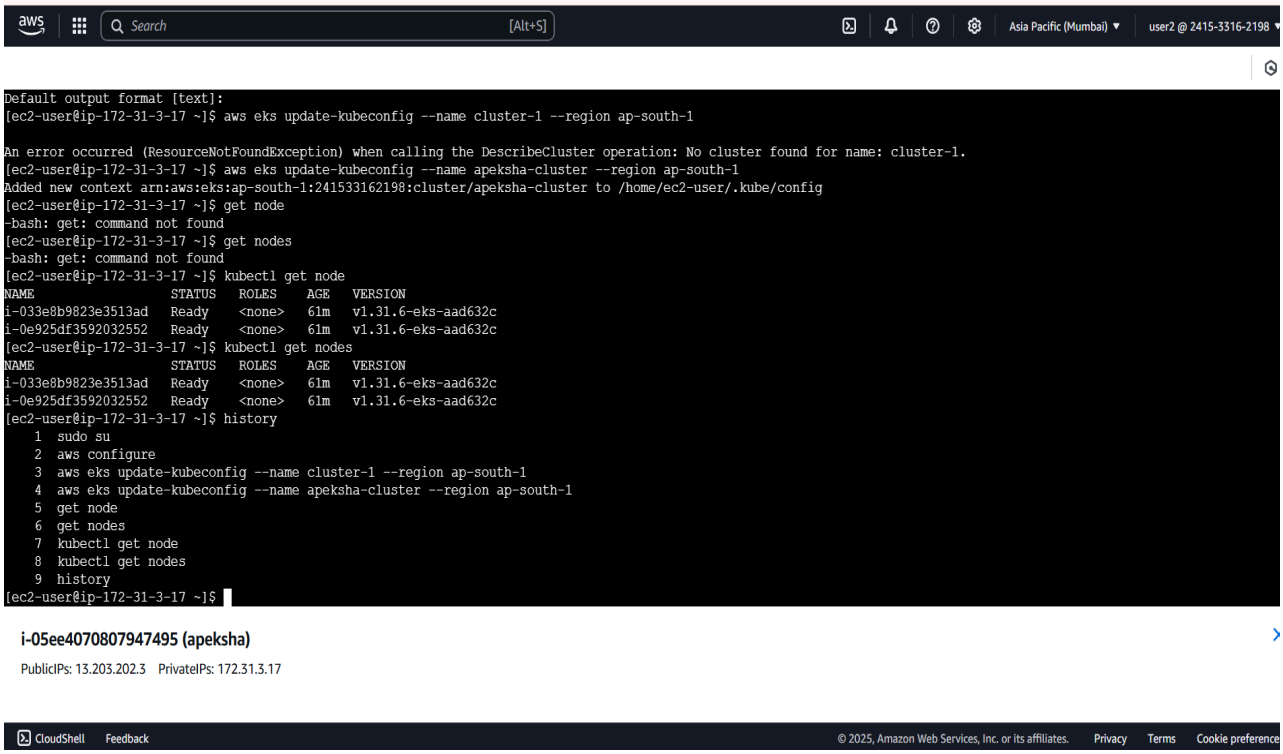
To get a login page for jenkins:

Step 1:**Launch EC2 Instances**

1. **Login to AWS Console**
2. Go to **EC2 → Instances → Launch Instances**
3. Create **2 instances**:
    - 1 as **Master Node**
    - 1 more as **Worker Node**
4. Select Amazon Machine AI as AMI
5. Choose **t2.medium** or higher
6. Open ports in **Security Group**:
    - SSH
    - HTTP
    - HTTPS

7.Launch both instances and create the cluster in the same way.then by selecting those connect it.After connection give the below image command:





Step 2: Commands

sudo su →To get into Ec2 rootaws configure→for the aws configuration.

aws eks update-kubeconfig —name cluster-1 –region ap-south-1—>To update kubernet region

Aws eks update-kubeconfig —name cluster-2 –region ap-south-1

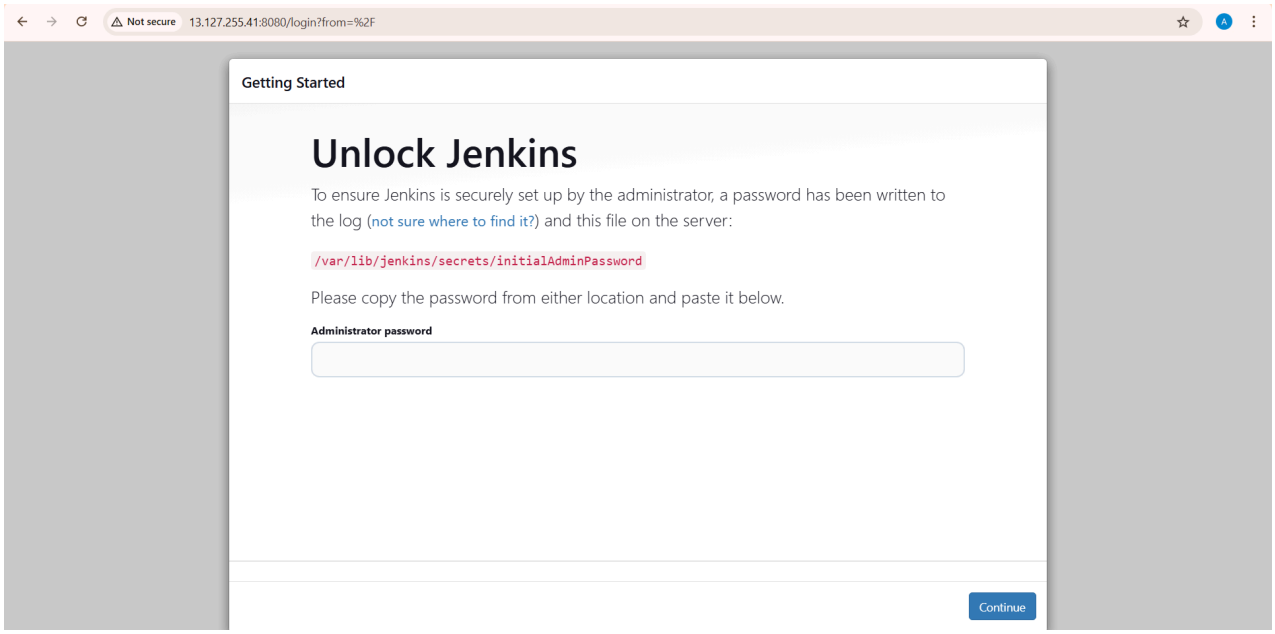
get node

get nodes

Kubectl get node

Kubectl get nodes

After getting the output with those image commands then paste that public ip address with in web and we should get the image as below:



Step 3: 1. EC2 Master Node: will run Jenkins and manage the Kubernete cluster.

2. EC2 Worker Nodes: will run Jenkins jobs or Kubernetes workloads.