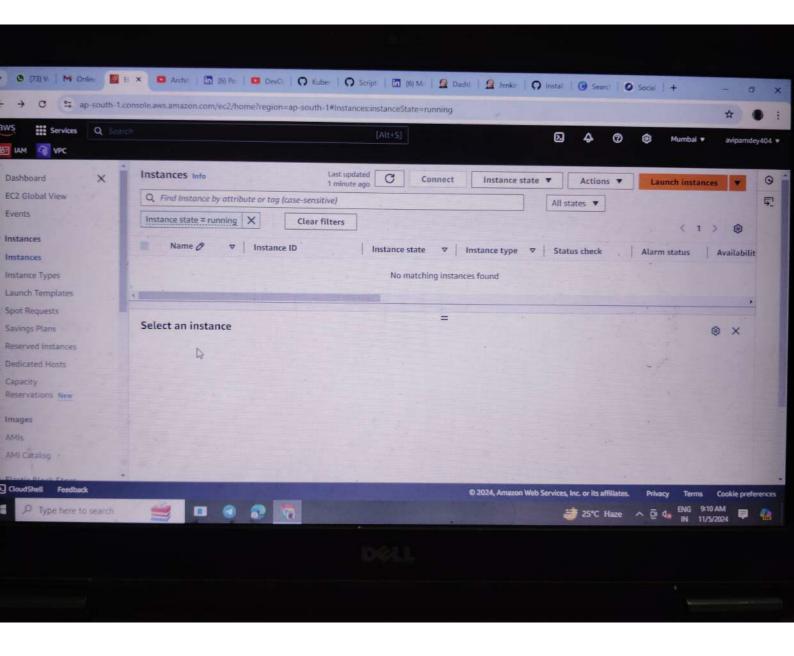
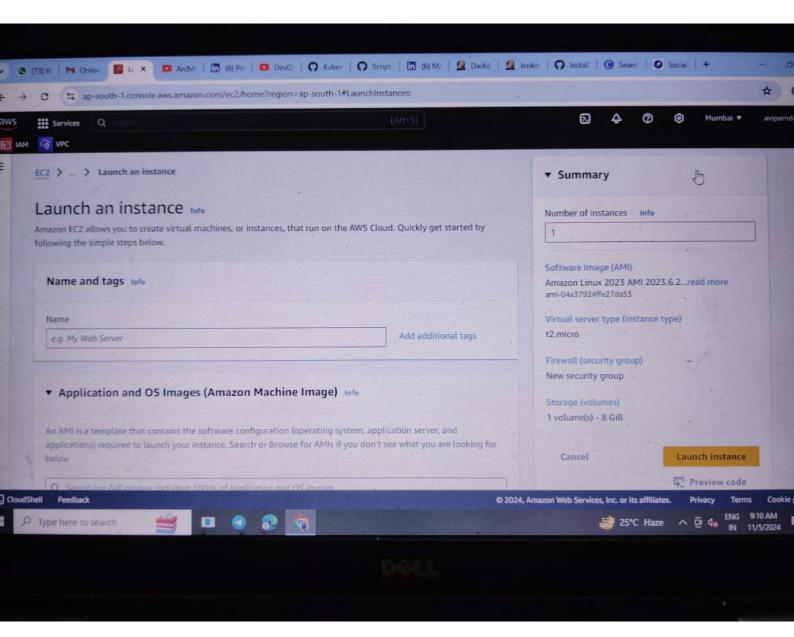
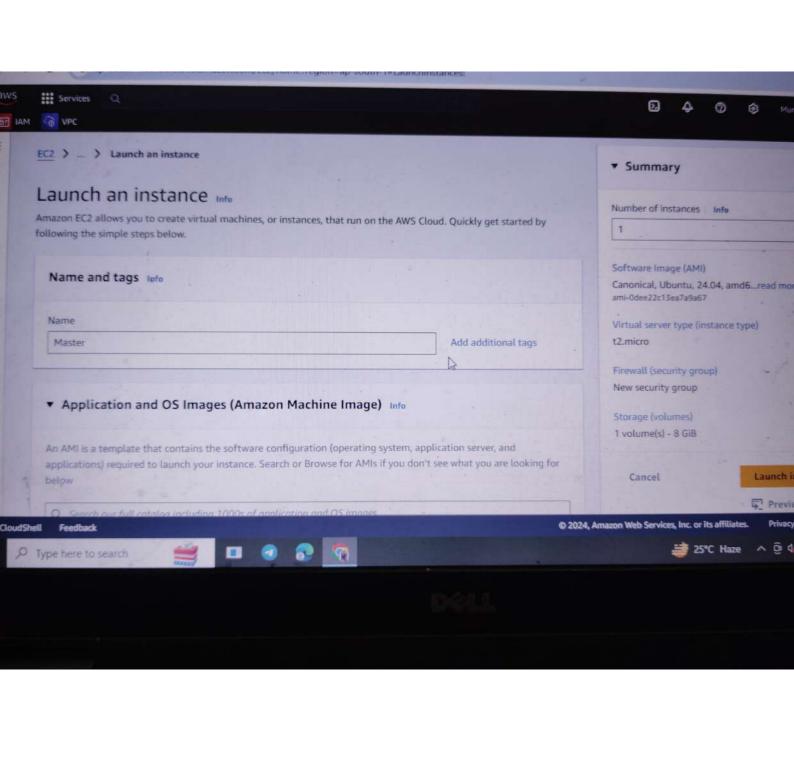
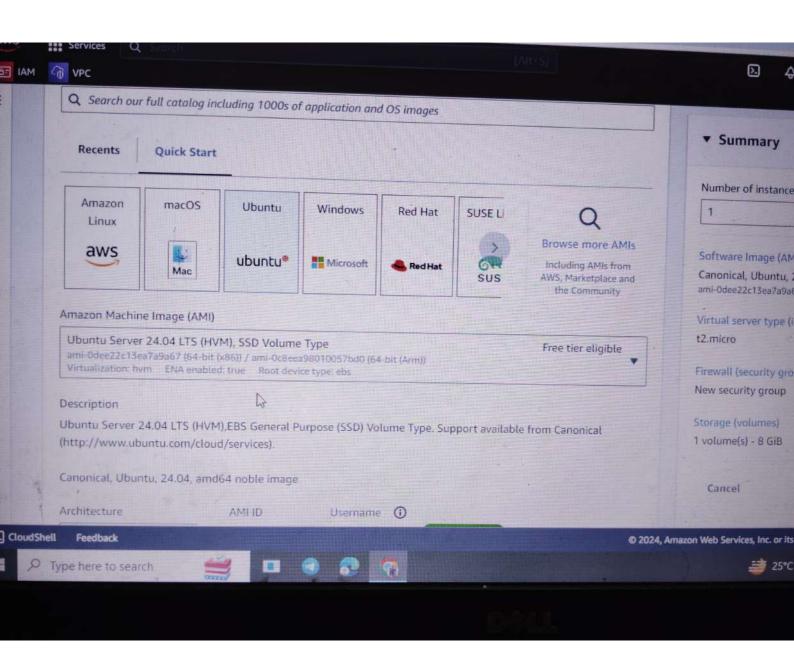
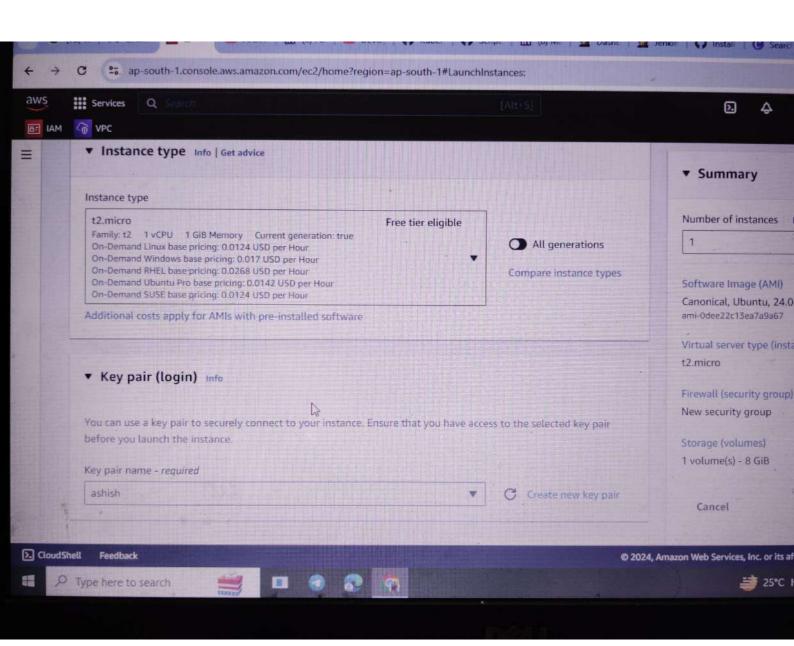
Avinash Pardy Nodo On Aws	-> launch 3	F19.	Master and	Which named Node 2.	Master node.	
Kubernetes Marky \$ 1	into Aws Account	inehuckbu given	Common for	Matter , Node 1 and	t Boot strapping the	
Day - 3 Setup	→ Logine inthanel	all the	> Commond Nodo	So we we wa	After that	

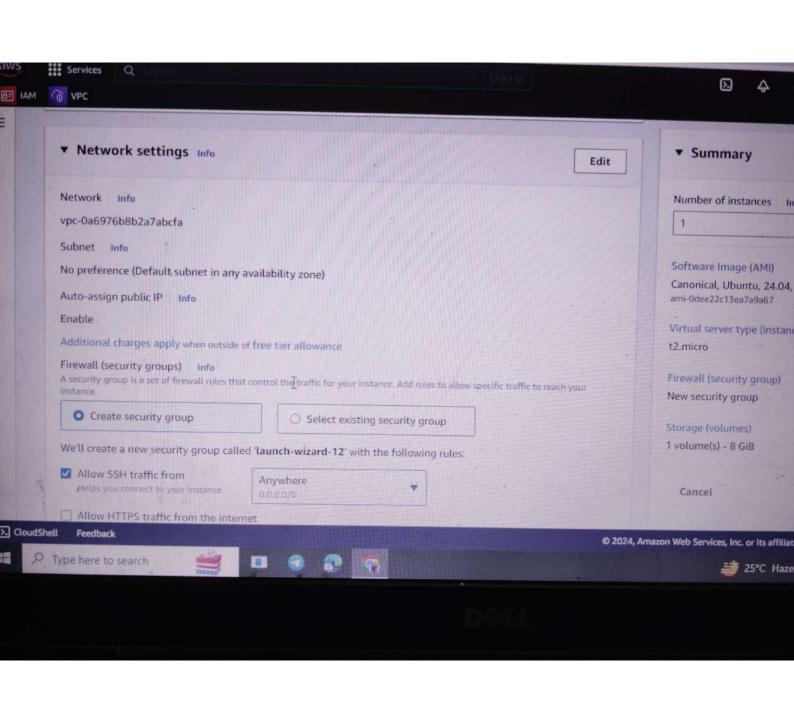


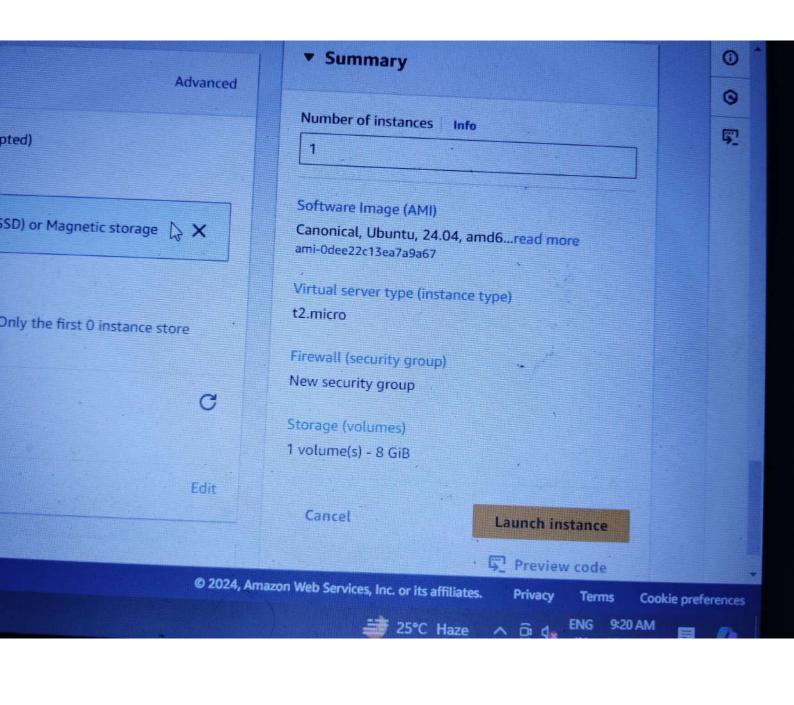


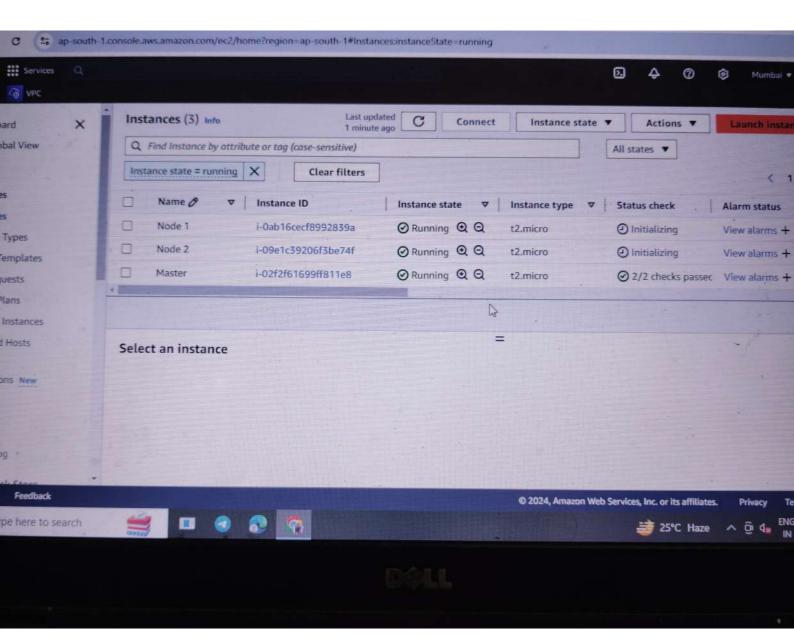


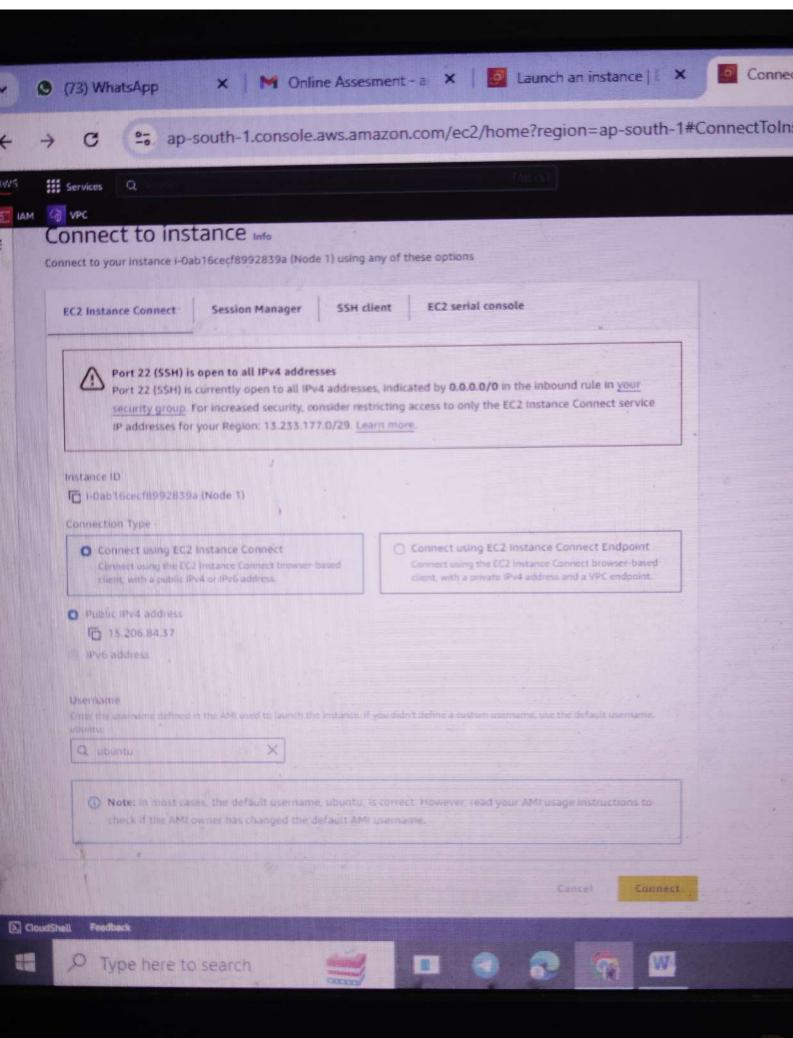


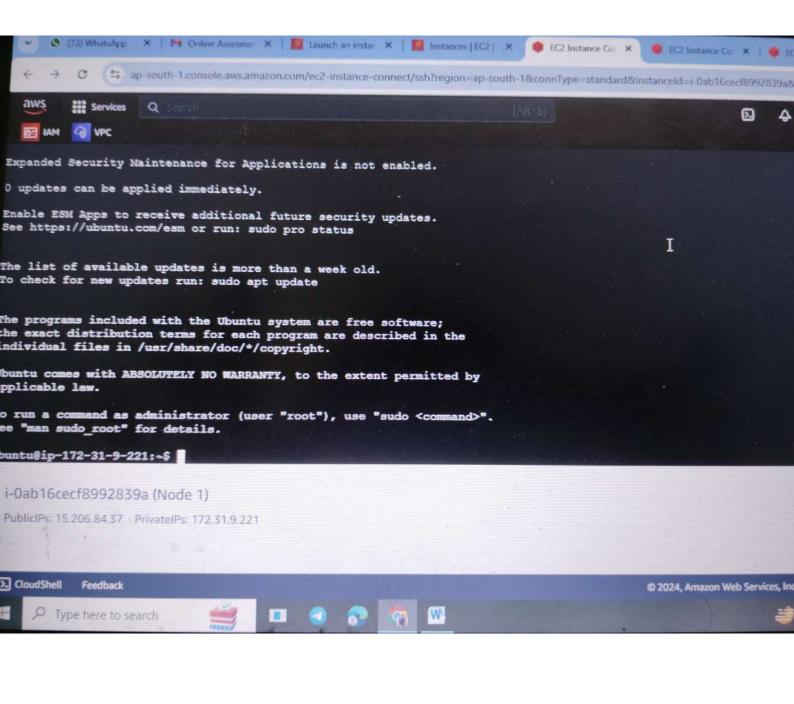


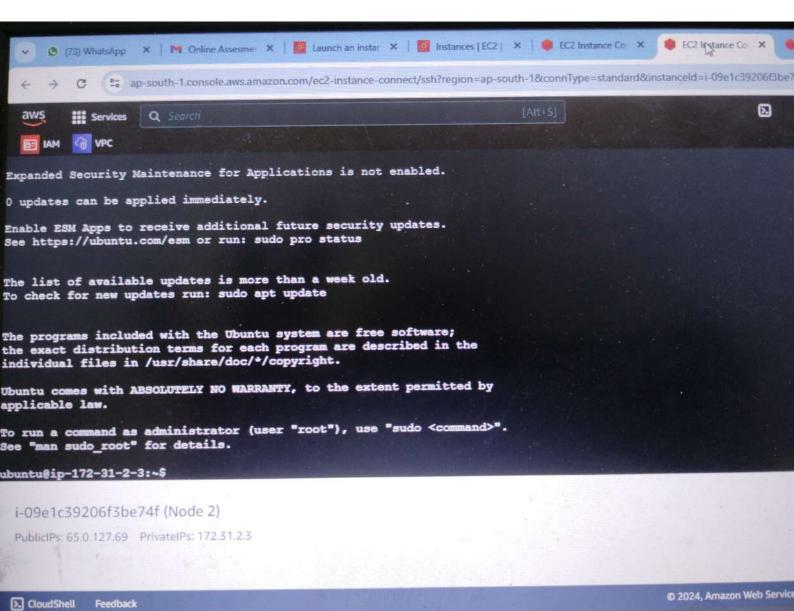




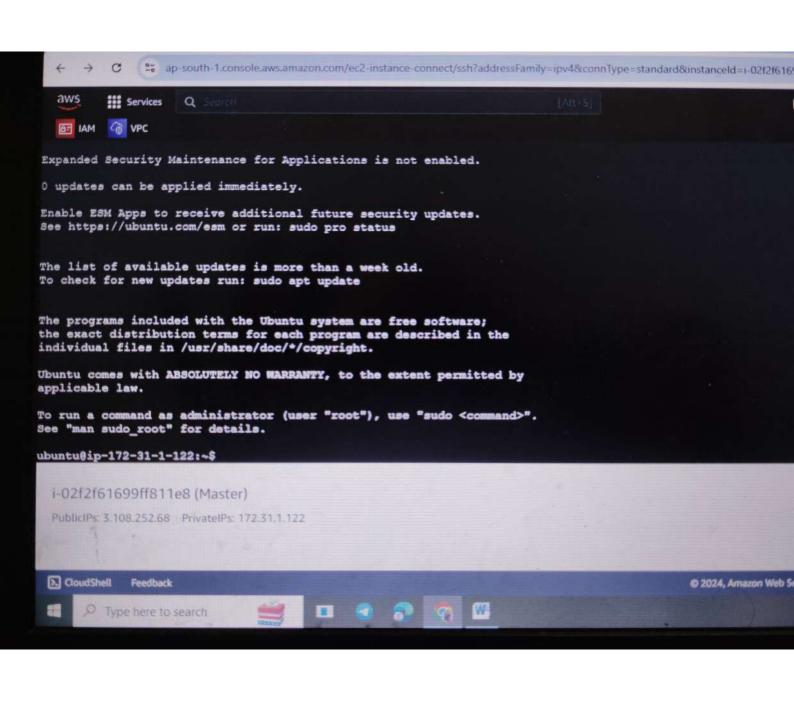


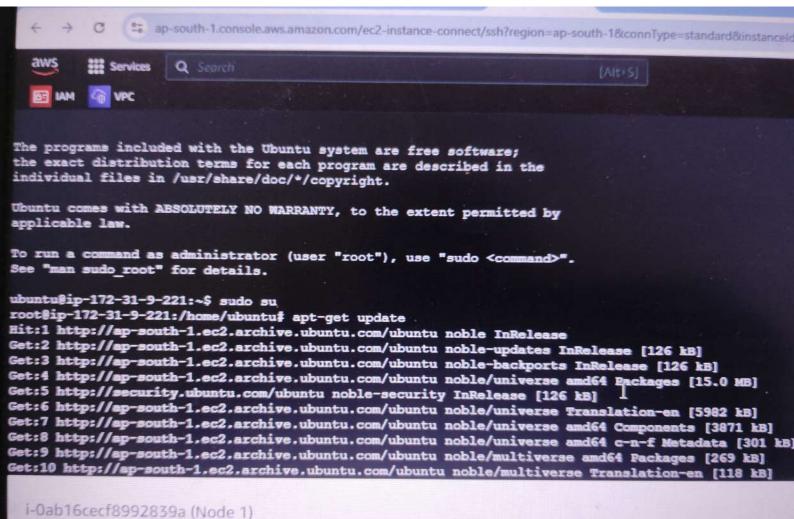




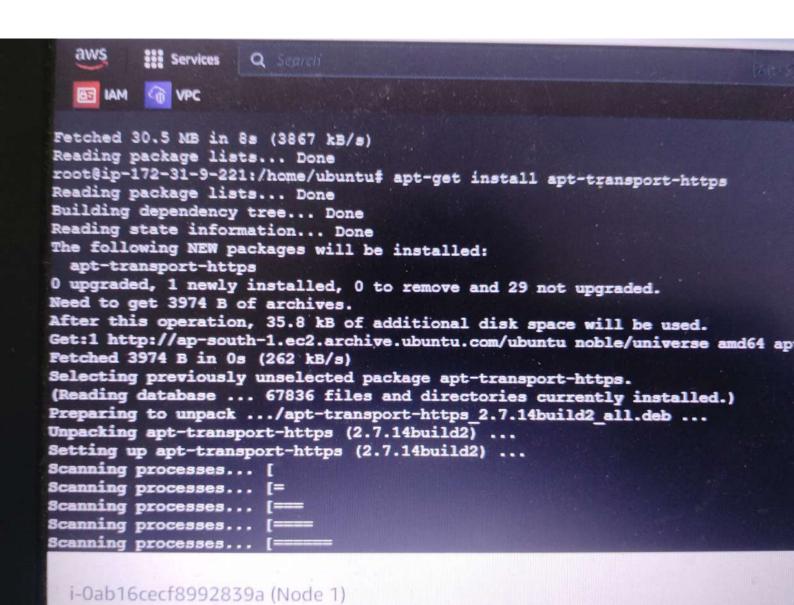


Feedback





PublicIPs: 15.206.84.37 PrivateIPs: 172.31.9.221

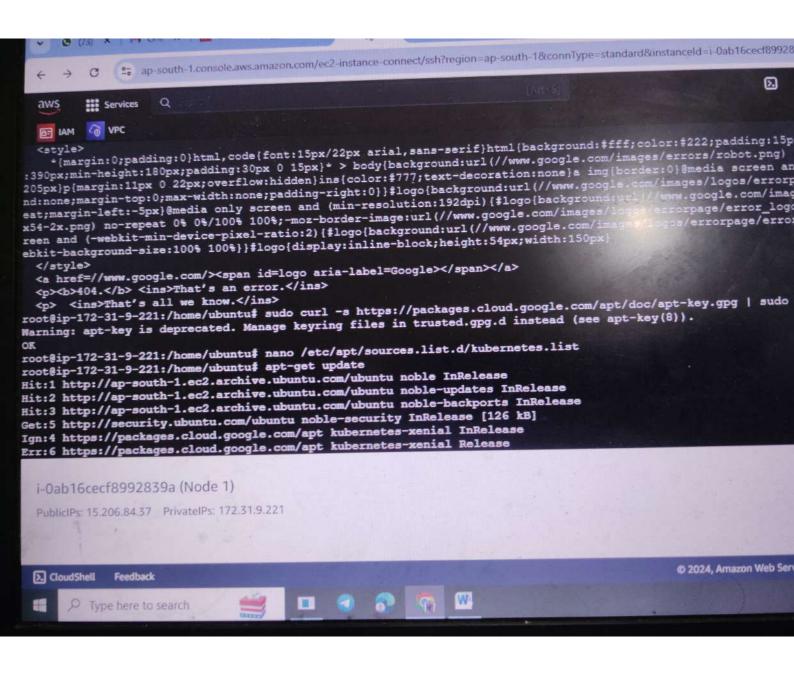


PublicIPs: 15.206.84.37 PrivateIPs: 172.31.9.221

```
Scanning linux images...
Running kernel seems to be up-to-date.
No services need to be restarted.
No containers need to be restarted.
No user sessions are running outdated binaries.
No VM guests are running outdated hypervisor (qemu) binaries on this host.
root@ip-172-31-9-221:/home/ubuntu# docker --version
Docker version 24.0.7, build 24.0.7-Oubuntu4.1
root@ip-172-31-9-221:/home/ubuntu# systemctl start docker
root@ip-172-31-9-221:/home/ubuntuf systemctl enable docker
root@ip-172-31-9-221:/home/ubuntu#
sudo curl -s https://packages.cloud.google.com/apt... | sudo apt-key add
Warning: apt-key is deprecated. Manage keyring files in trusted.gpg.d instead (see a
gpg: no walid OpenPGP data found.
root@ip-172-31-9-221:/home/ubuntu#
sudo curl -s https://packages.cloud.google.com/apt | sudo apt-key add
Warning: apt-key is deprecated. Manage keyring files in trusted.gpg.d instead (see ap
  i-Oab16cecf8992839a (Node 1)
```

Scanning linux images... [=========

PublicIPs: 15.206.84.37 PrivateIPs: 172.31.9.221



estMis-172-31-3-35:/htmp/ubuntu/ kubeaum join 172,31.5.105;5443 --token ElSILU.o ext-bash sha256::0690030:kb:f443e0152a53d7aa1972bdef1.3553d9ece0fe62/971022b3e7c0 smotligat/ Running pro-tlight chooks (WARNING IsbockerSystemsCheck): detected "egroupis" as the Bocker egroup driver. emd". Please follow the guide at https://kubernetes.lo/docs/set.p/sil/cosfignt/ Reading configuration from the cluster... reflight! FYI: You can look at this contig file with 'kubectl -n kube-system get cm knubelet-start! Writing kubelet configuration to file "/var/lib/kubelet/config.yaml" thought the start! Writing kubelet environment file with though to file "/var/lib/kubelet/knubelet-start! Starting the kubelet belet-start] Waiting for the kubelet to perform the TLS Bootstrap... 5:31

mot@ip-172-31-6-165: /home/ubumu root@ip-172-31-6-165:/home/ubuntu# kubectl get nodes NAME STATUS ROLES AGE VERSION ip-172-31-15-102 Ready <none> 93s v1.21.1 ip-172-31-3-98 Ready <none> v1.21.1 478 ip-172-31-6-165 Ready control-plane, master 5m34s v1.21.1 root@ip-172-31-6-165:/home/ubuntu#

- -Login to aws
- launch 3 instance
- ubuntu 16.04 (t2 medium)
- connect all 3 instance
- access all the 3 instance (1 master, 2 nodes Commands common for master & node
- sudo su
- apt-get update
- apt-get install apt-transport-https

This https is needed for intra cluster command (particularly from control plane to individual pods)

Now install docker on all 3 instances

- apt install docker.io -y
- docker --version
- systemctl start docker
- systemctl enable docker

setup open GPG key. This is requires for intra cluster communication. It will be added to source key on this node. i,e when k8s sends signed info to our host, it is going to accept those information because this open GPG key is present in the source key.

- sudo curl -shttps://packages.cloud.google.com/apt/doc/apt-key.gpg| sudo apt-key add

Edit source list file (apt-get install nano)

- nano /etc/apt/sources.list.d/kubernetes.list
- deb http://apt.kubernetes.io/ kubernetes-xenial mainexit from nano -> ctrl+X -> caps+Y -> enter

apt-get update

apt-get install -y kubelet kubeadm kubectl kubernetescni Bootstrapping the Master Node (in Master)

To initialize K8s cluster

- kubeadm init

You will get one long command started from "kubeadm join 172.76....." copy this command and save on notepad

create both .kube and its parent directories (-p)

- mkdir -p \$HOME/.kube

Cpoy configuration to kube directory (in config file)

sudo cp -i /etc/kubernetes/admin.conf\$HOME/.kube/config

Provide permission to config file

- chown \$(id -u):\$(id -g) \$HOME/.kube/config

Deploy flanned node network for its repository path. flannel is going to place a binary in each node

- kubectl apply -f[raw.githubusercontent.com/coreos/flannel/ma..

-](raw.githubusercontent.com/coreos/flannel/ma..-) kubectl apply -f [raw.githubusercontent.com/coreos/flannel/ma..

Configure](raw.githubusercontent.com/coreos/flannel/m a..Configure) worker nodes

- paste long command in both the nodes

Go to master

- kubectl get nodes