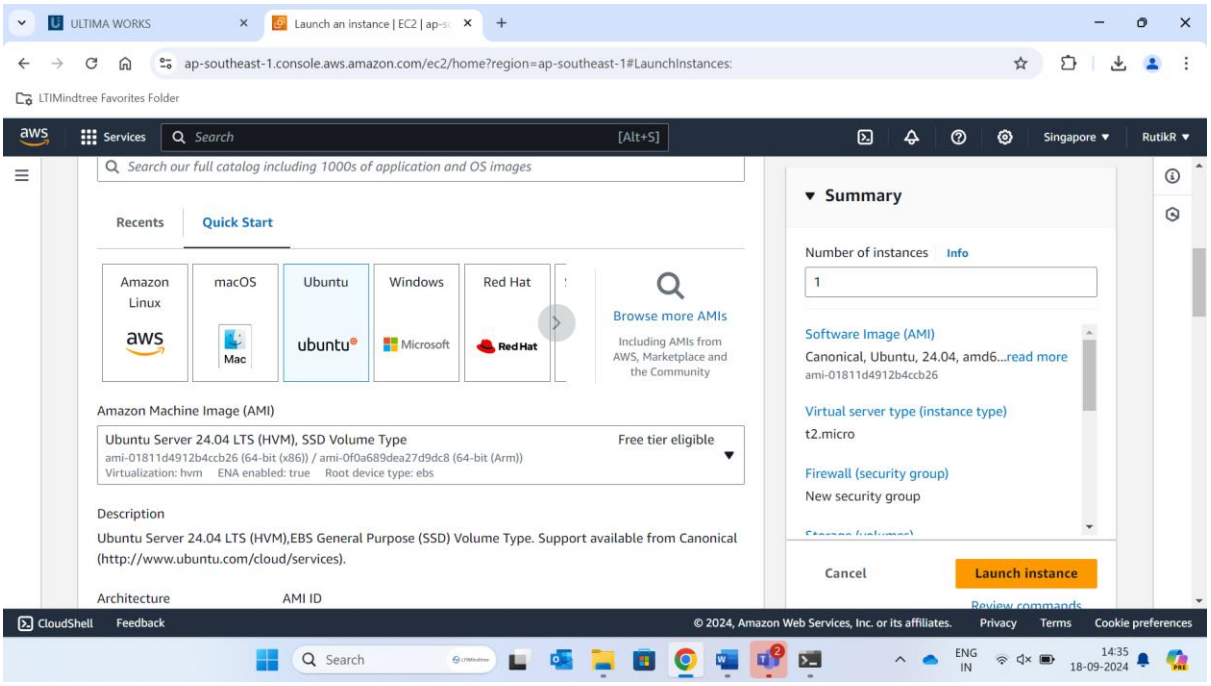
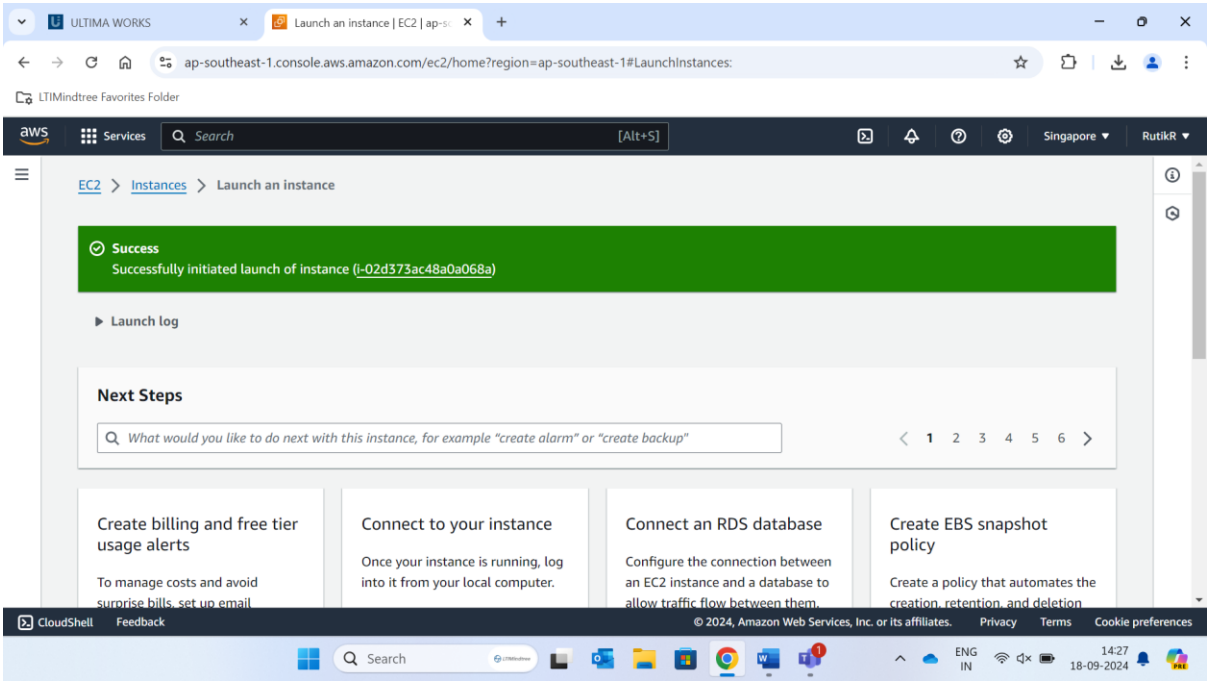
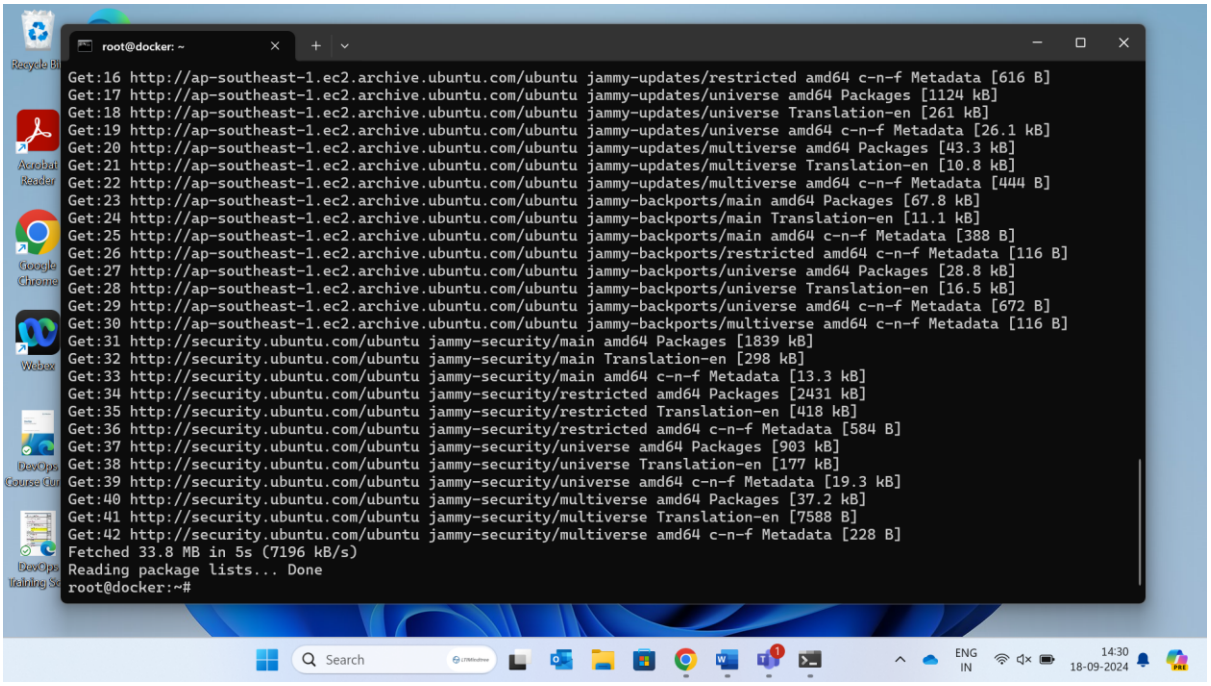
1) Created instance using below specifications. Used rhel to install docker



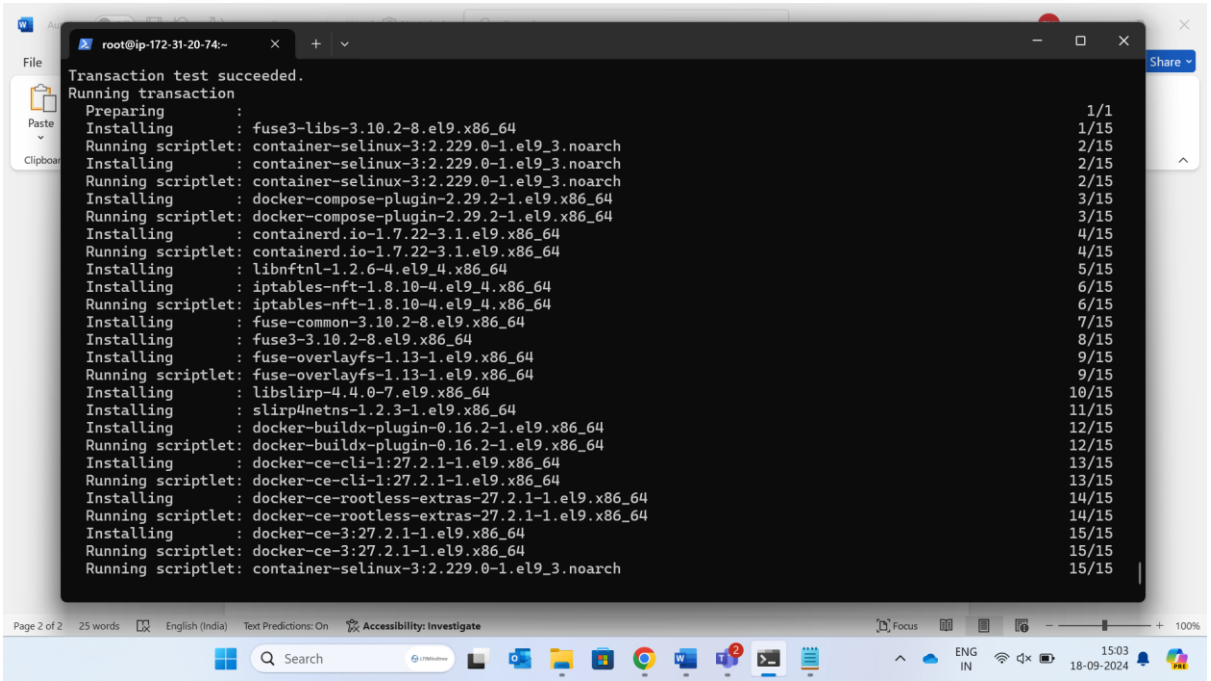
2) Created instance for a docker



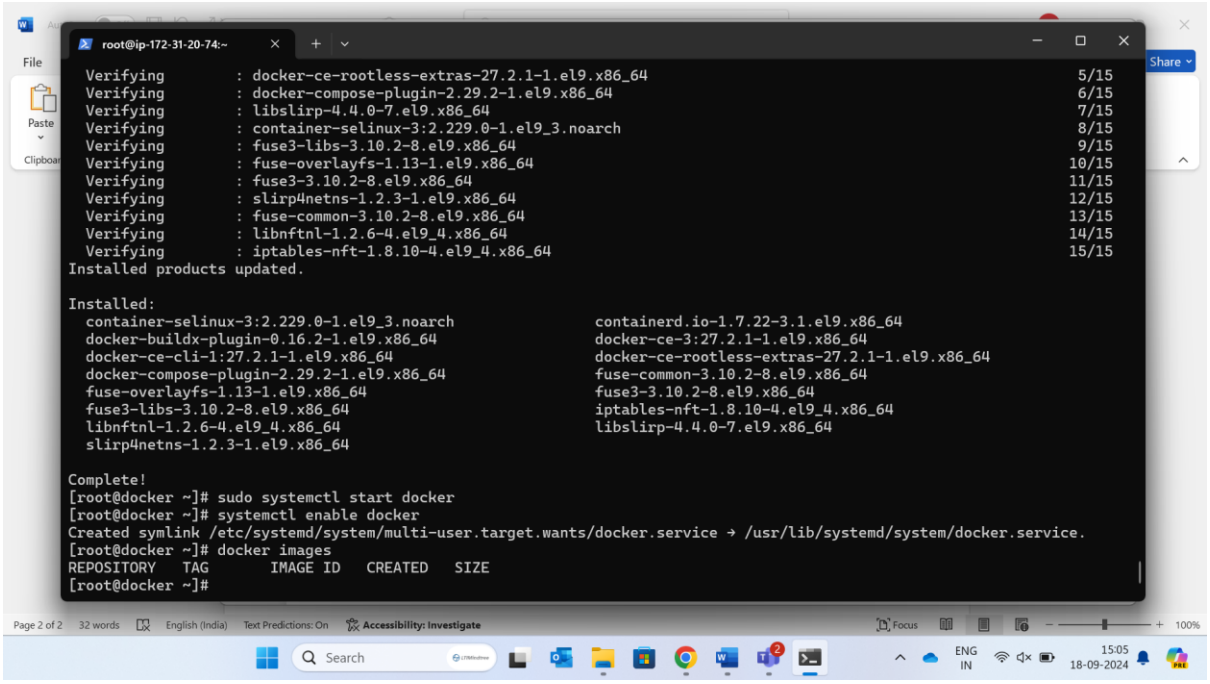
3) Installing Docker on the created instance.



4) Installing docker on the created instance

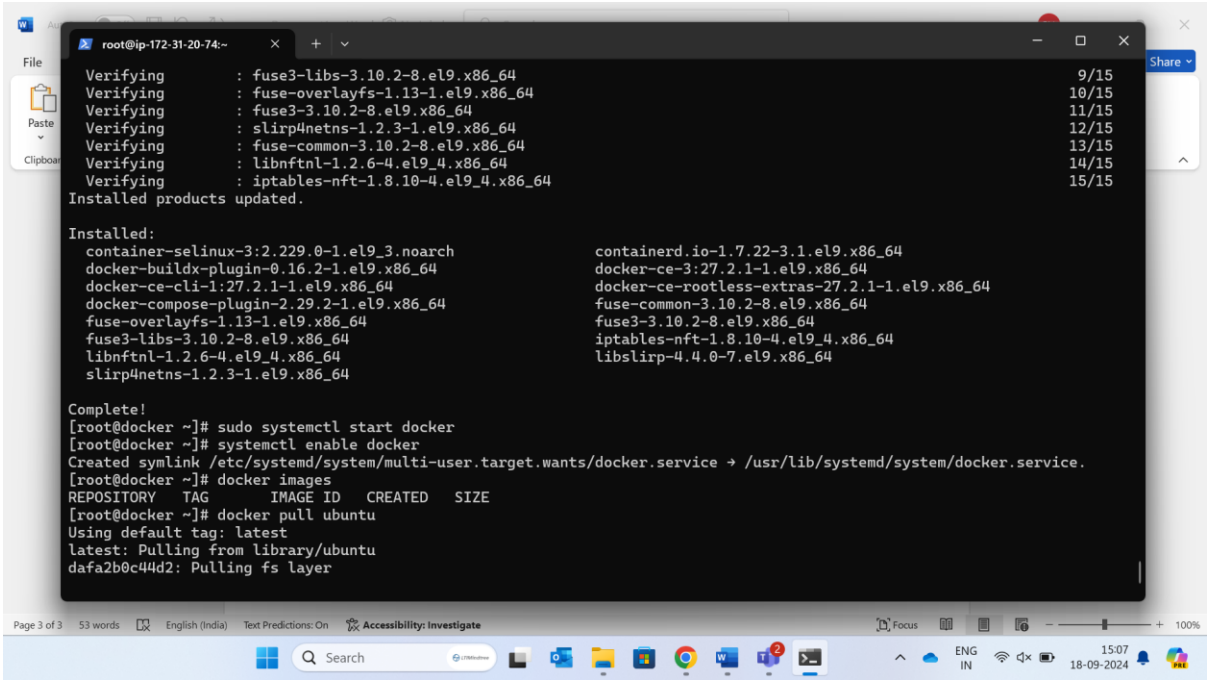


5) Started and enabled docker .



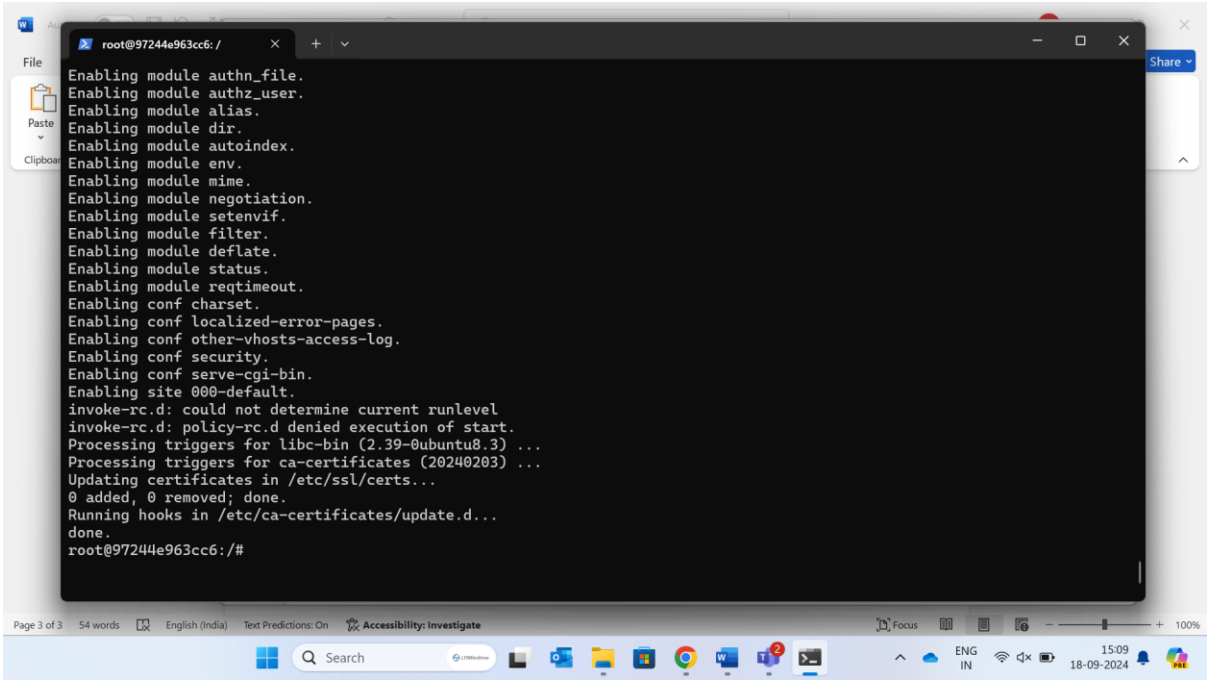
6) Pulling image from docker hub:

Pulling ubuntu image from docker using command docker pull ubuntu.

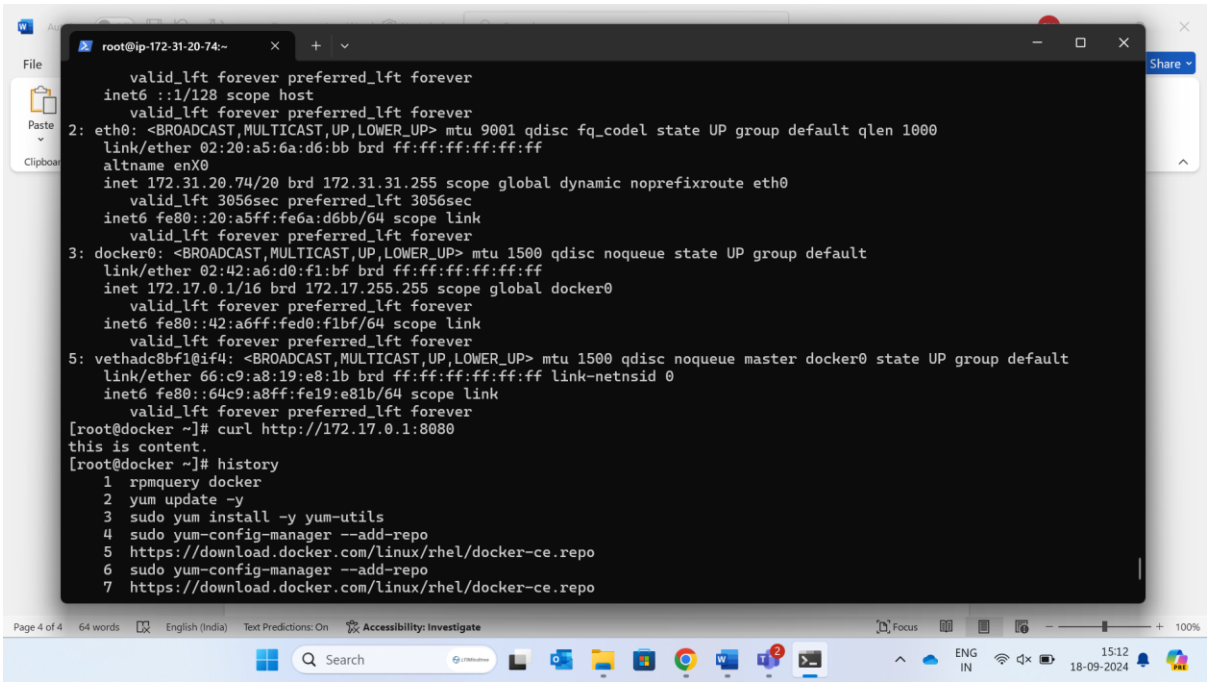


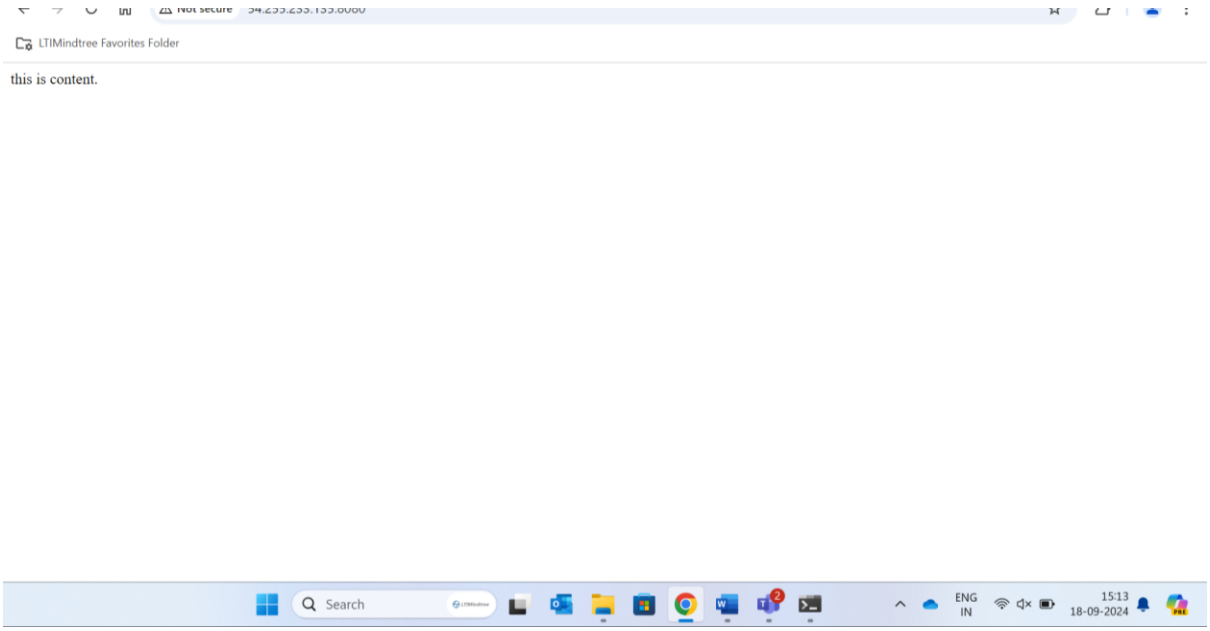
7)

Created container to use image ubuntu . And installed requirements:



7) Successfully hosted web-app which is available globally.

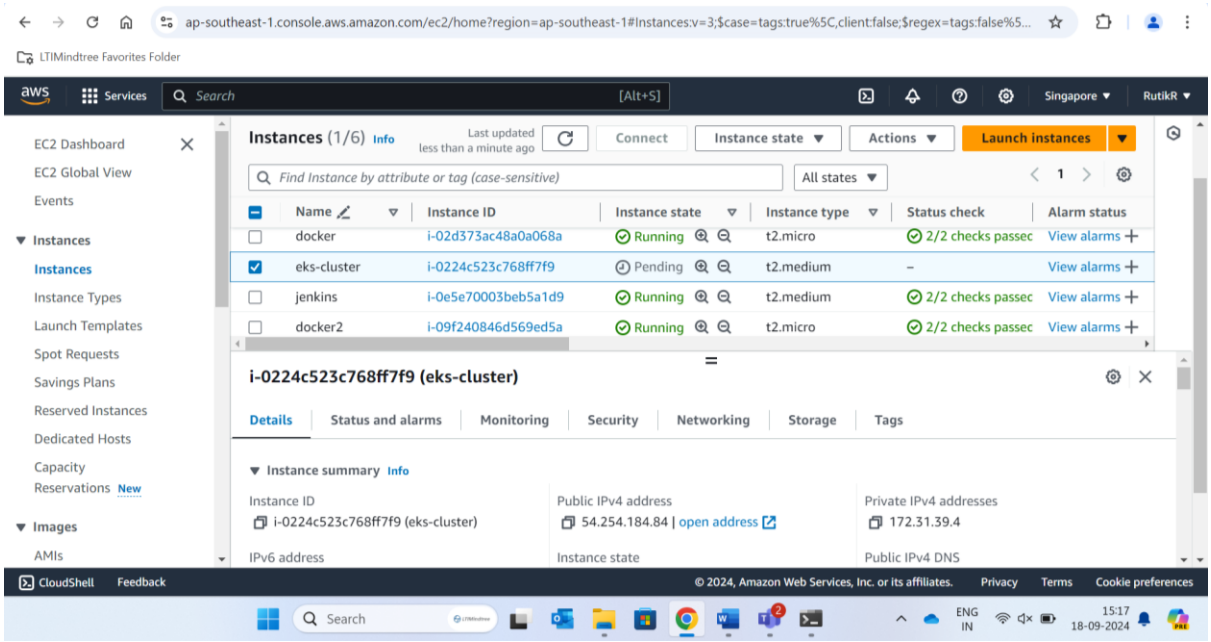




Q2) Deploy a Ngnix application on your kubernetes cluster. and it should be available across of the cluster on port NO. 80.

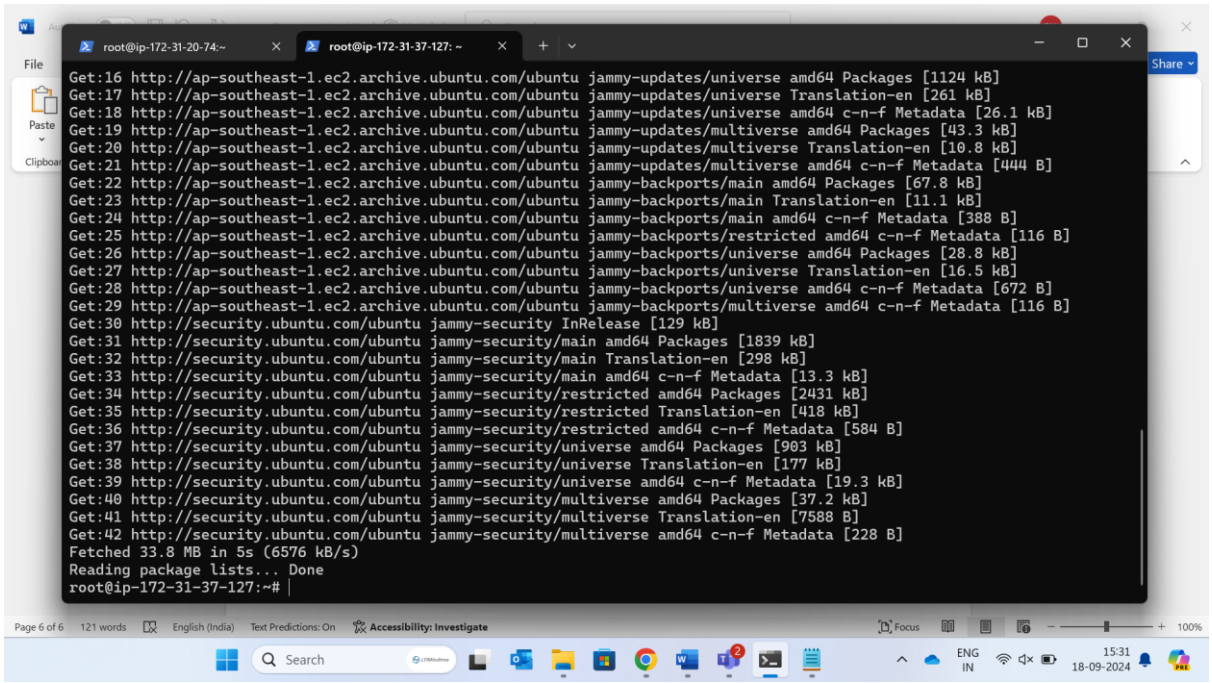
Ans:

So created instance to create eks cluster.



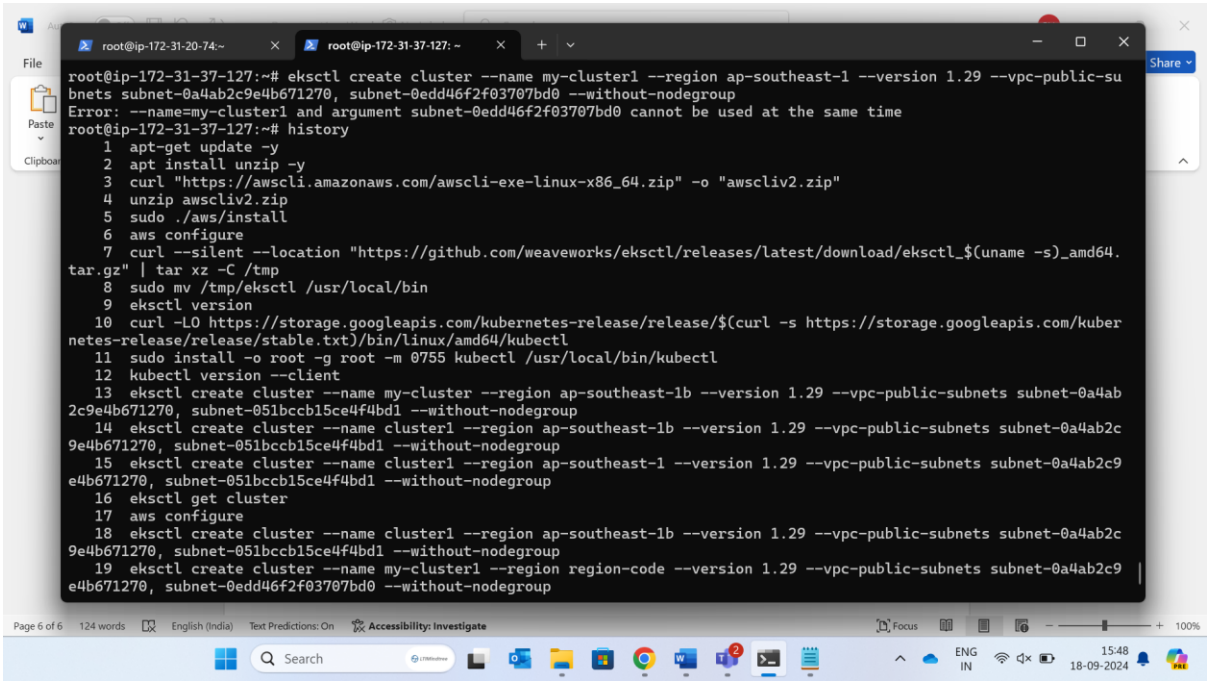
Setting up the eks cluster on the created instance

1) Created image and attached an policies to the instance.

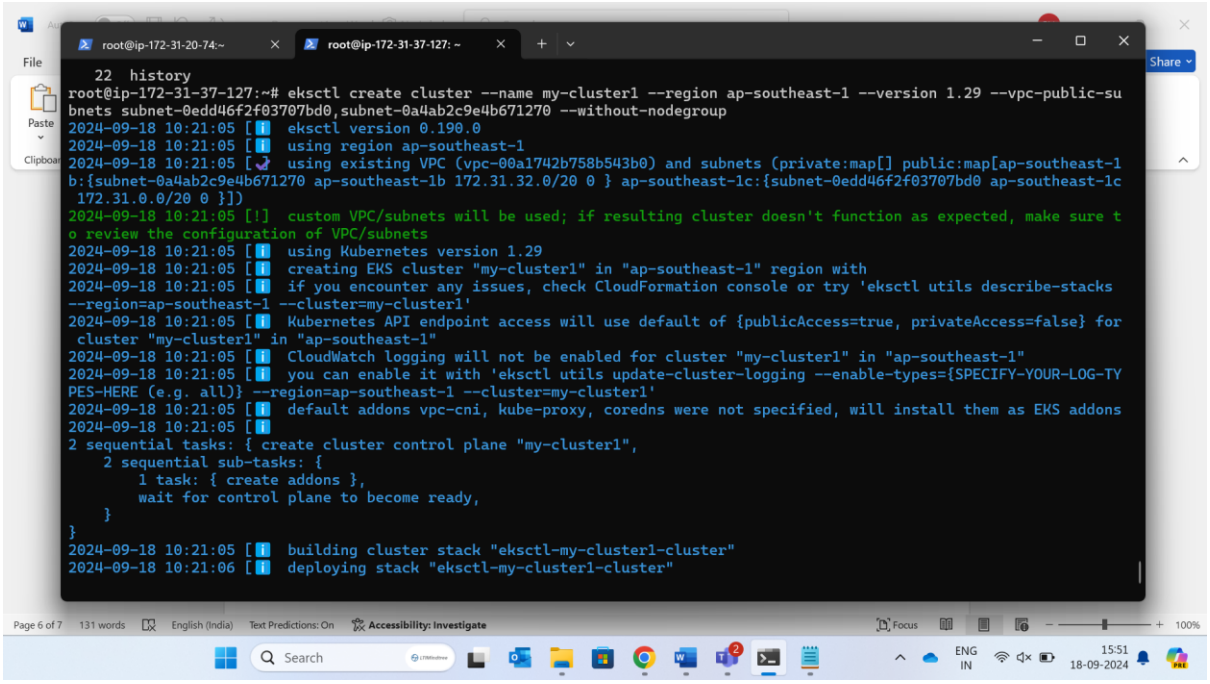


Updated the system

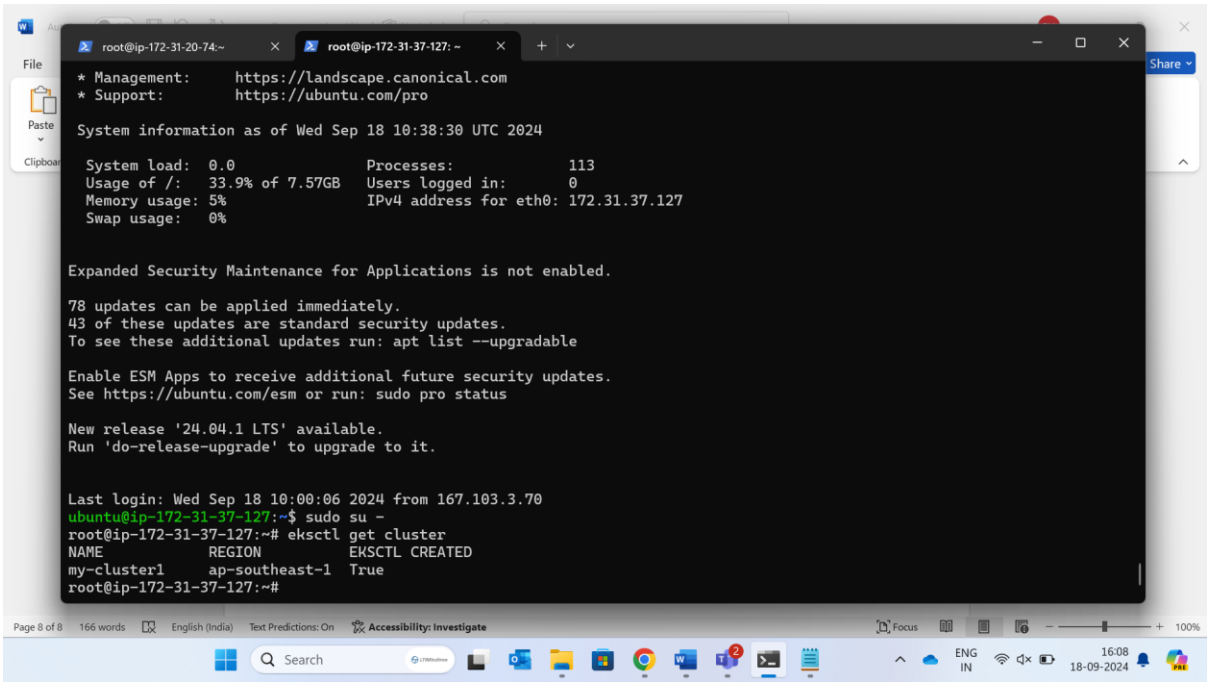
2) Crated a cluster using following commands



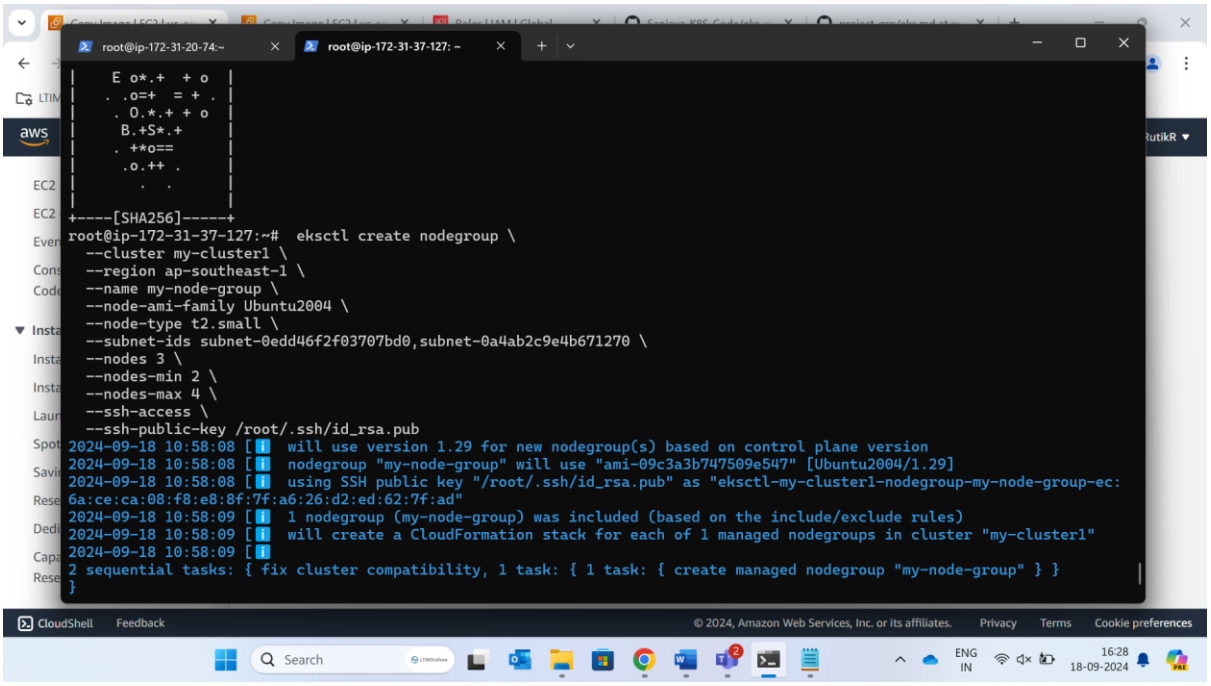
Cluster creation is taking place



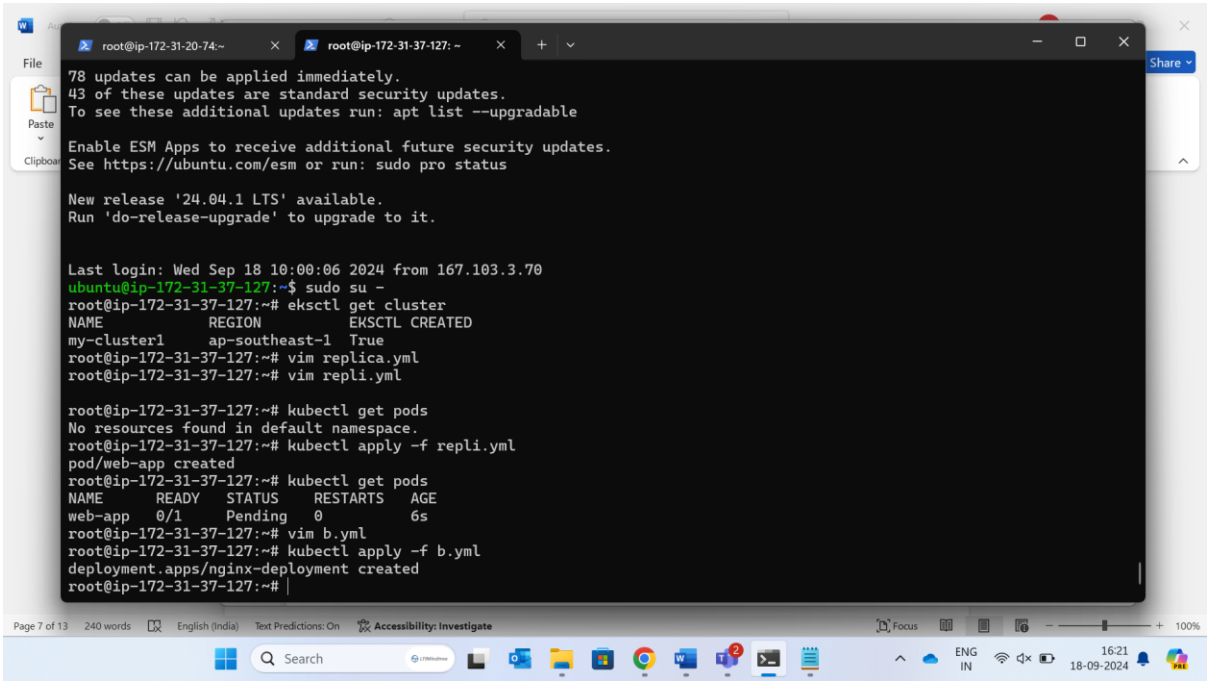
Cluster creation is successful:



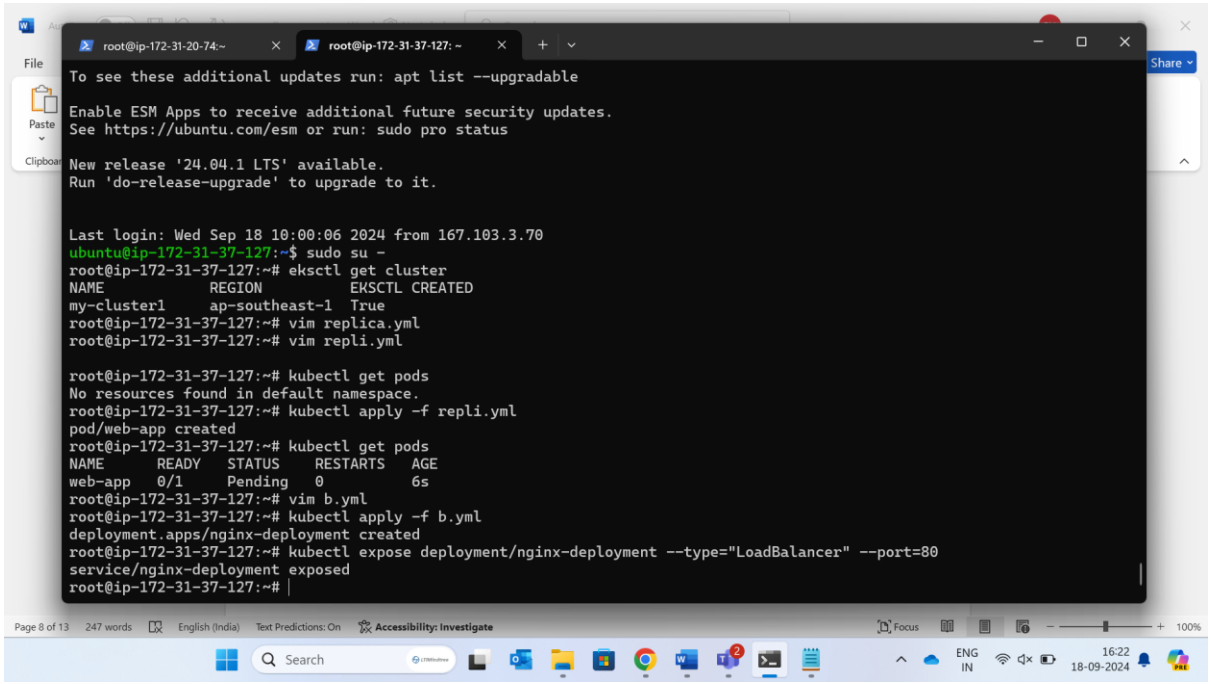
Creaated a node groups.



Created deployment using ngnix to host web-app



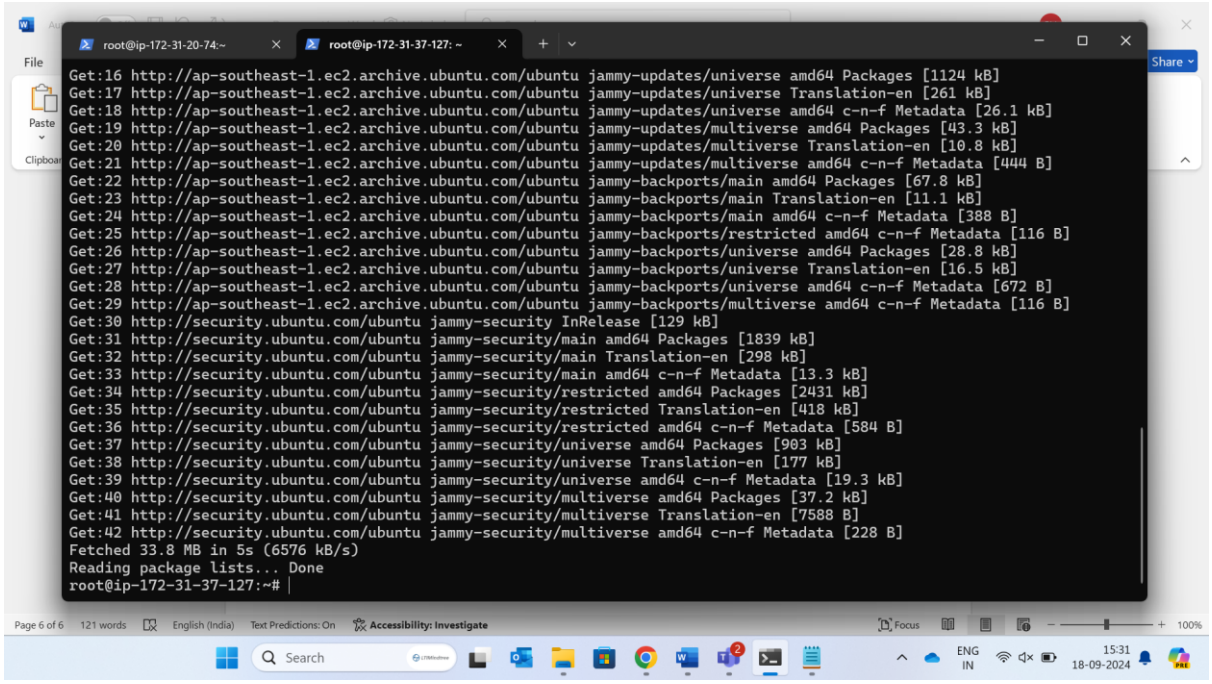
Deployment is exposed on the port 80.



Q3)

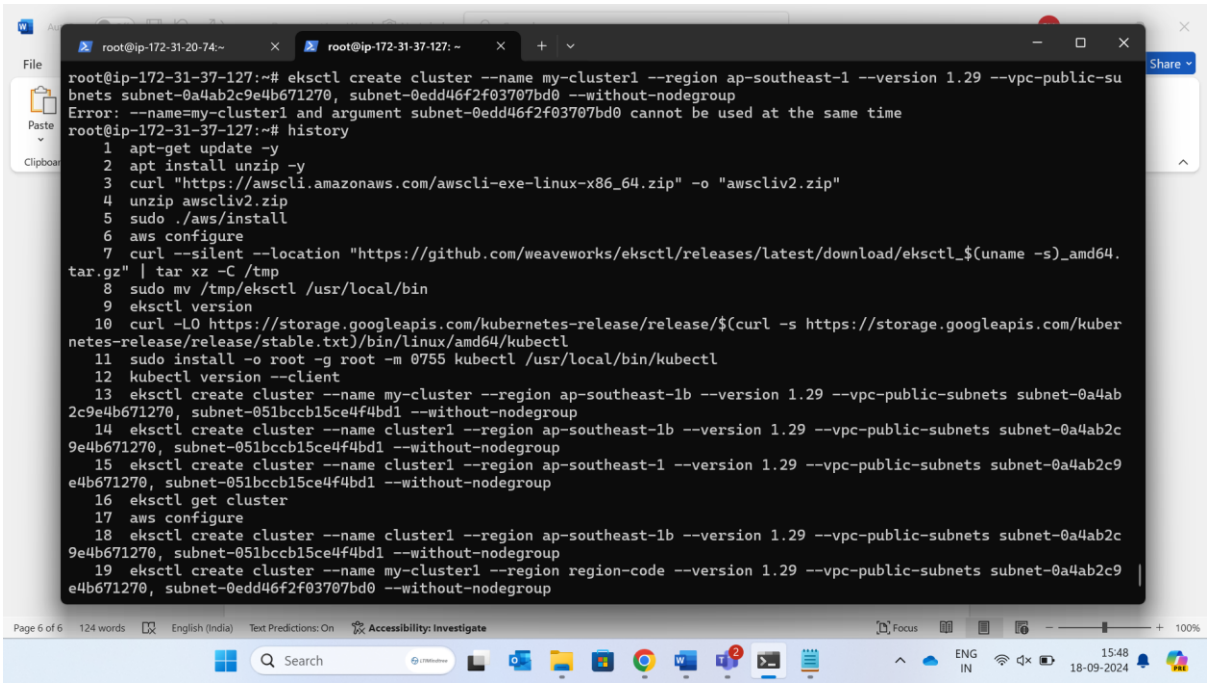
Setting up the eks cluster on the created instance

1) Created image and attached an policies to the instance.

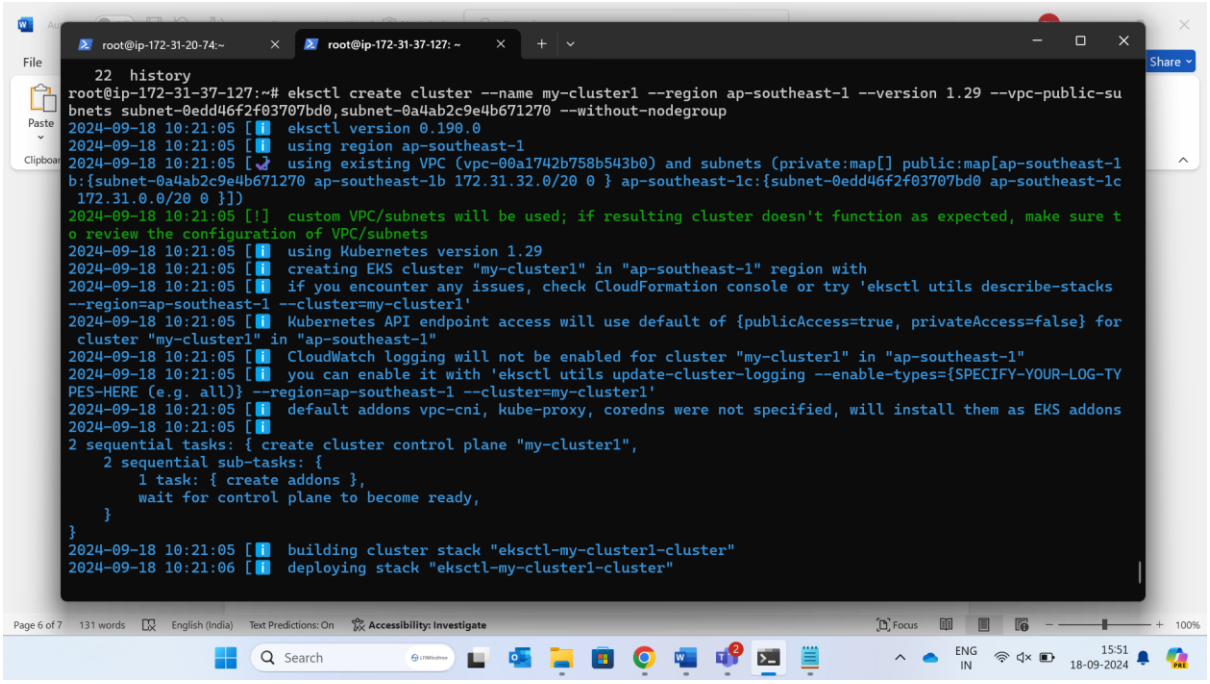


Updated the system

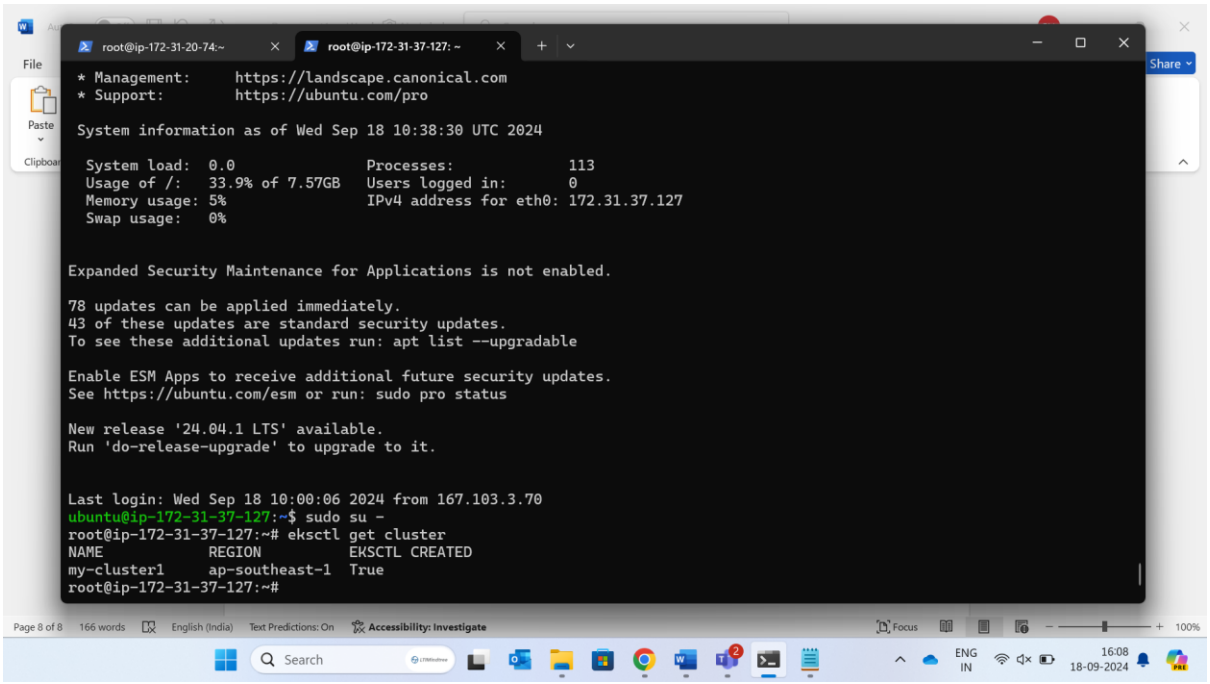
2) Crated a cluster using following commands

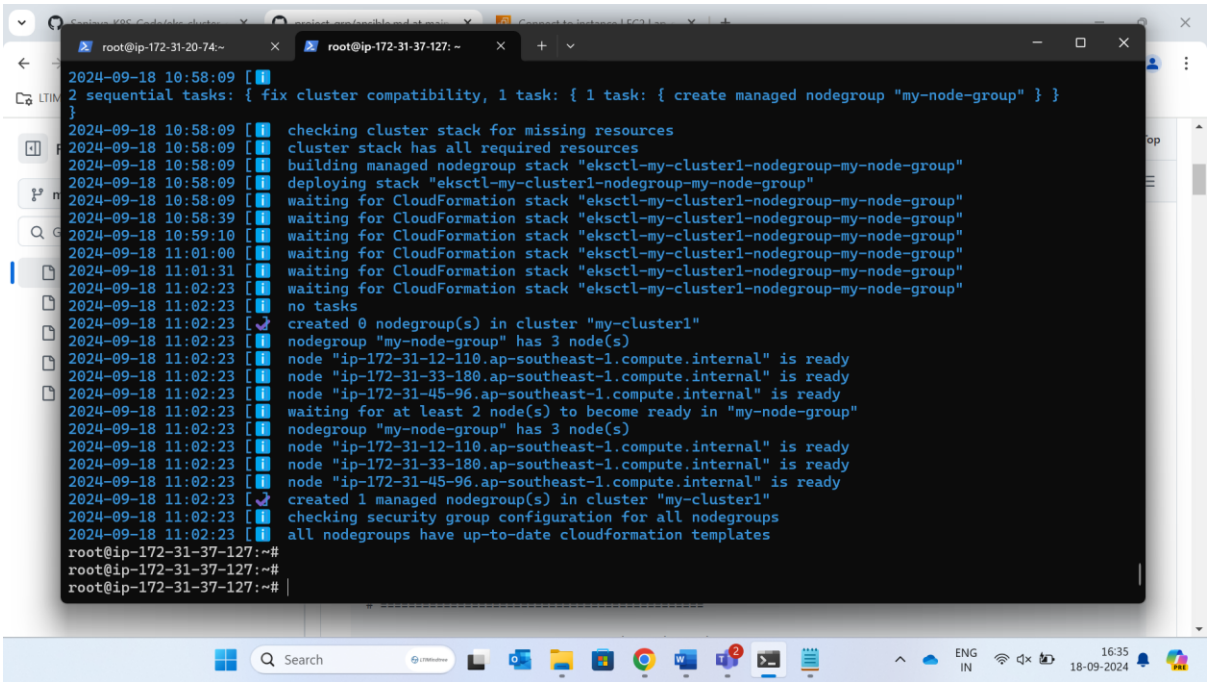


Cluster creation is taking place

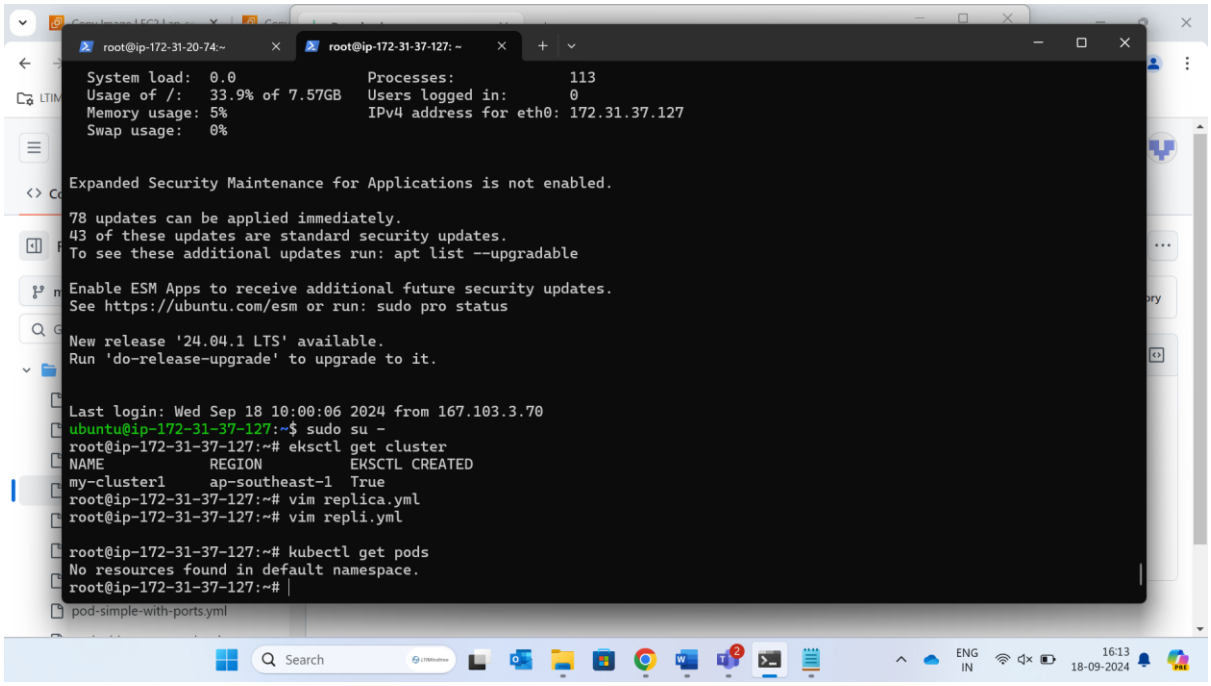


Cluster creation is successful:



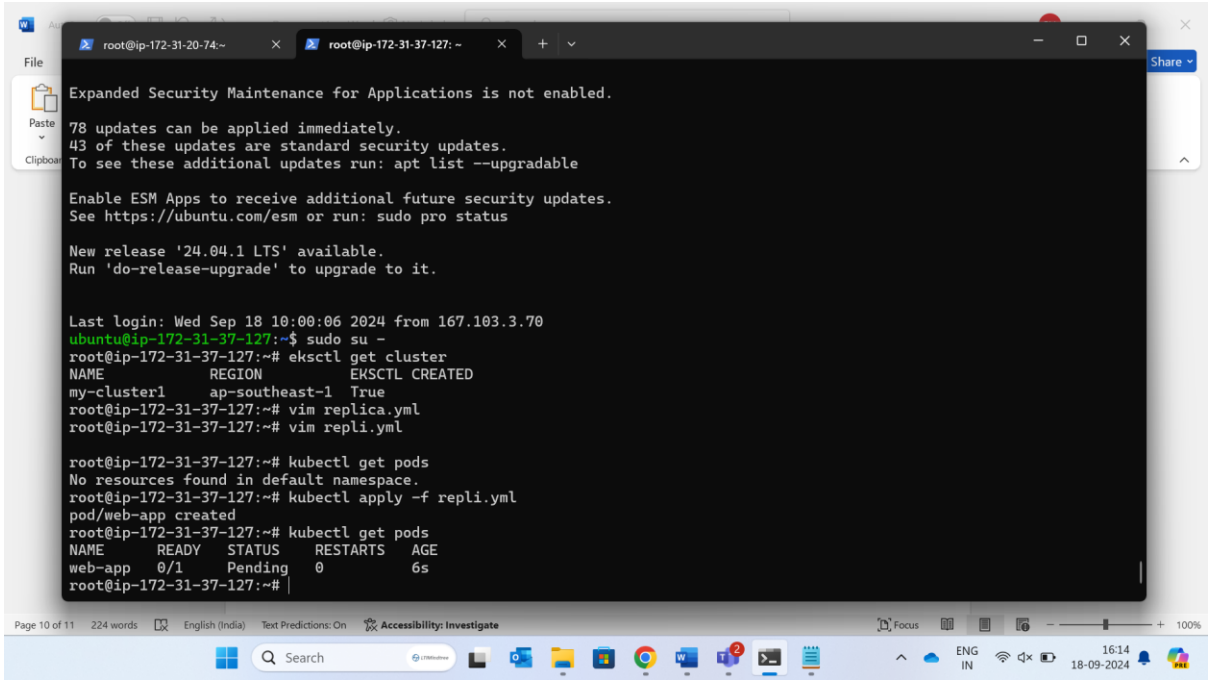


Now create the replicaset using yml file.



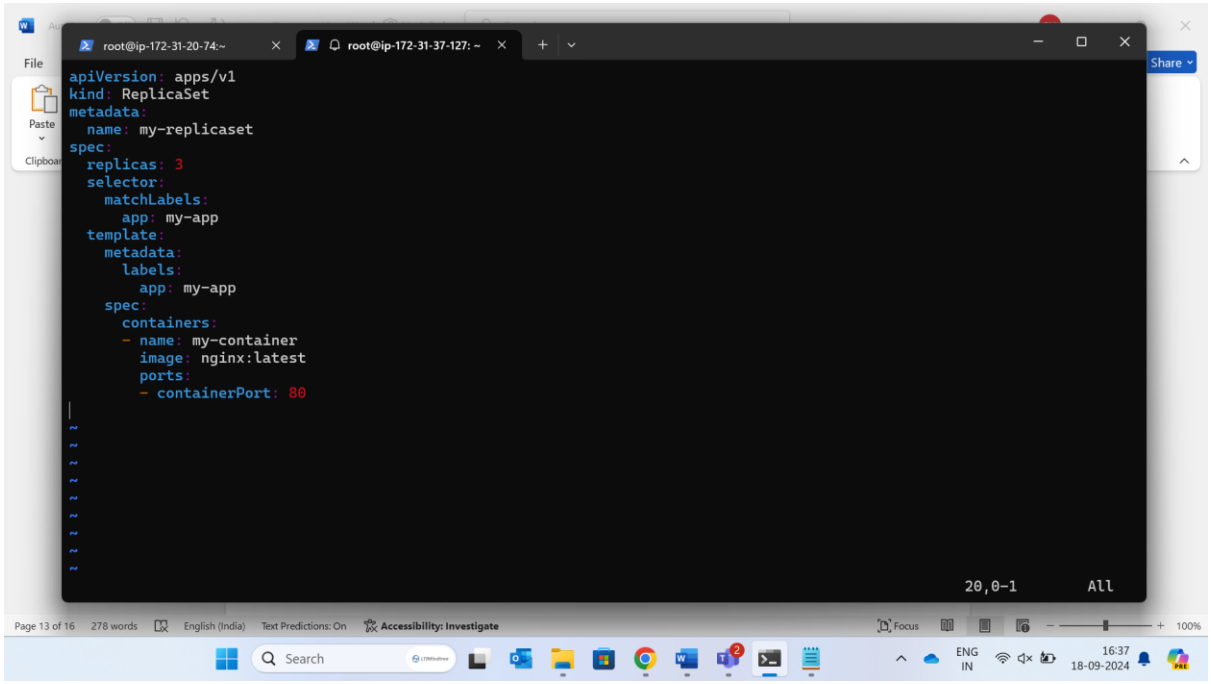
Currently there are no pods

So create pods



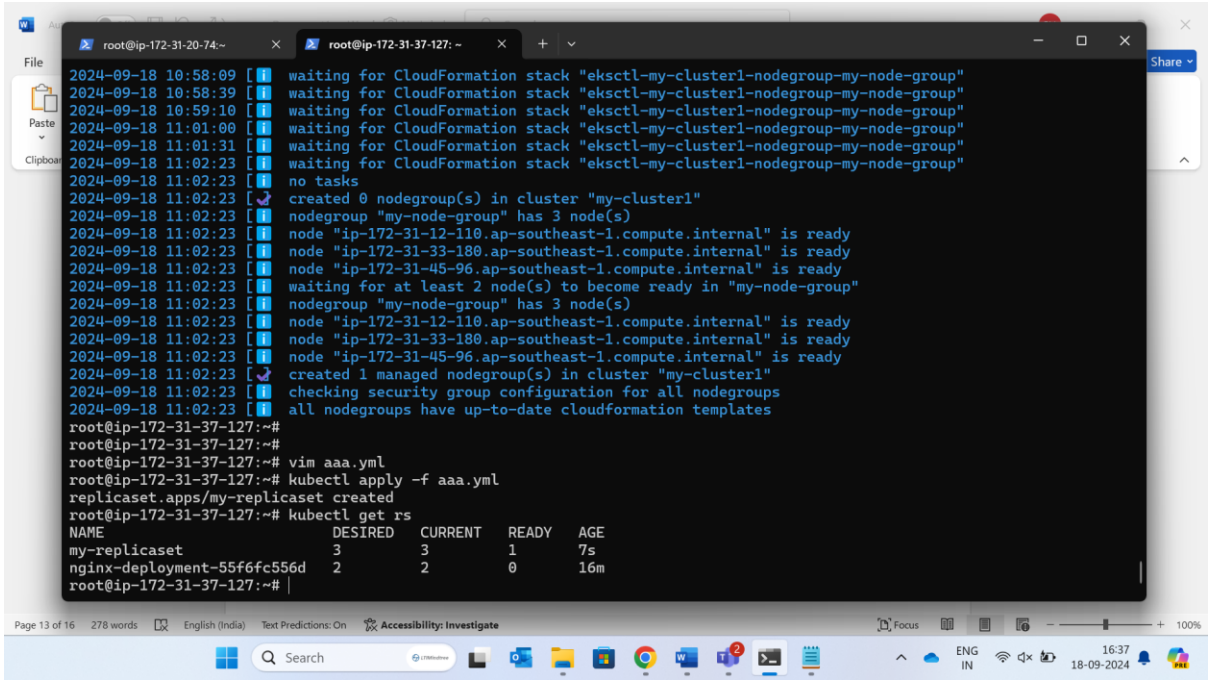
Created web-app and also created pod.

Creating replicaset :

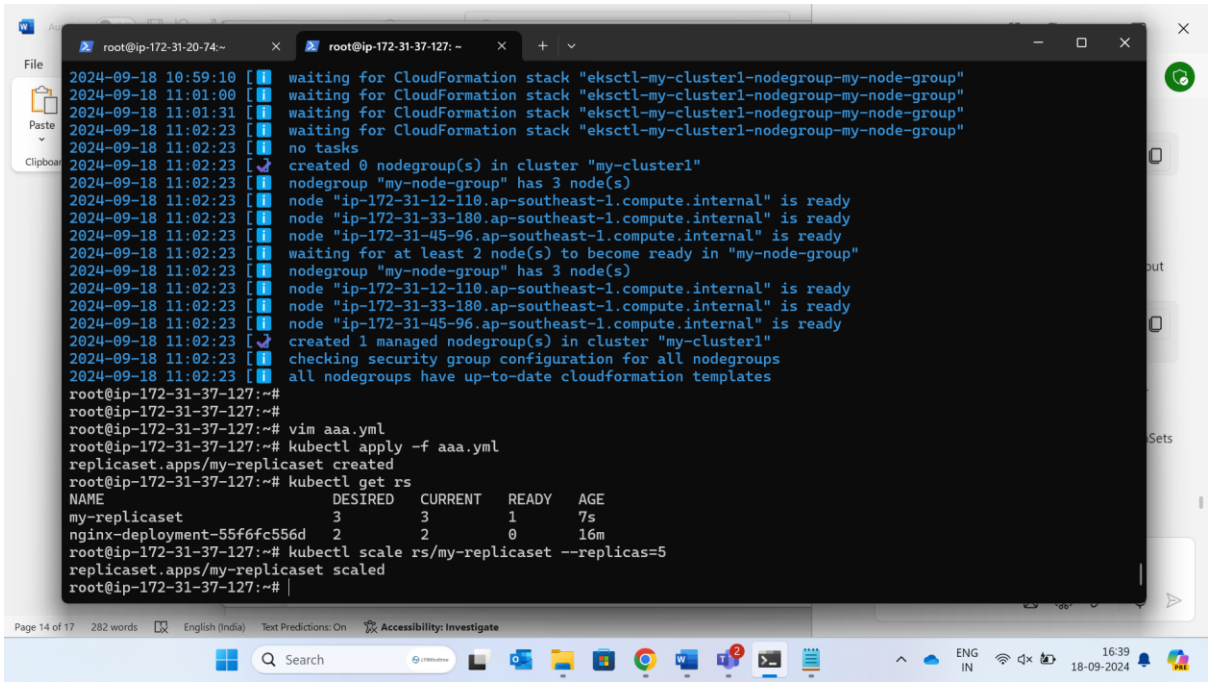


\

Created replica sets.



Replica set is scaled using below command



Q4) a)

Creating image from Singapore region using actions> images > create image >

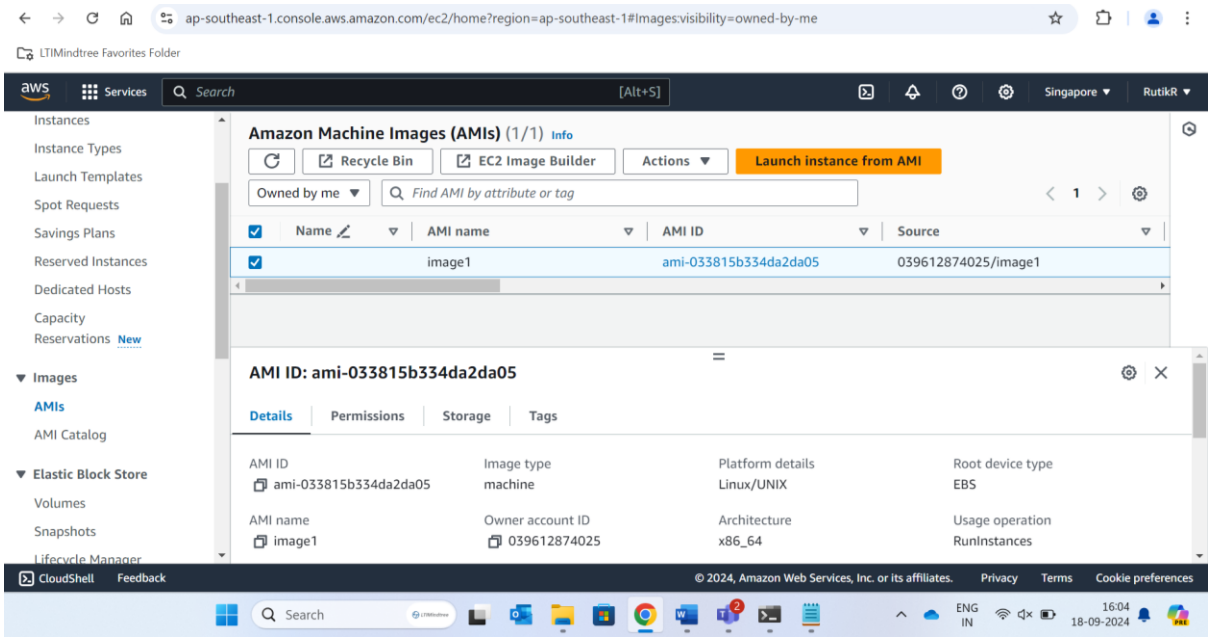
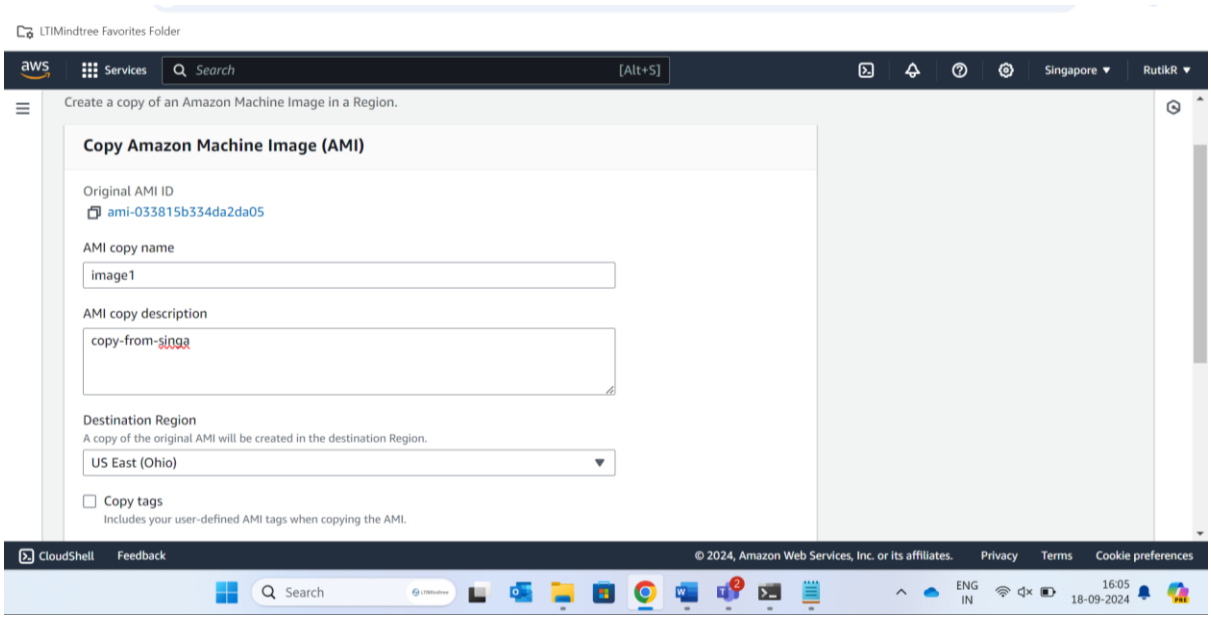
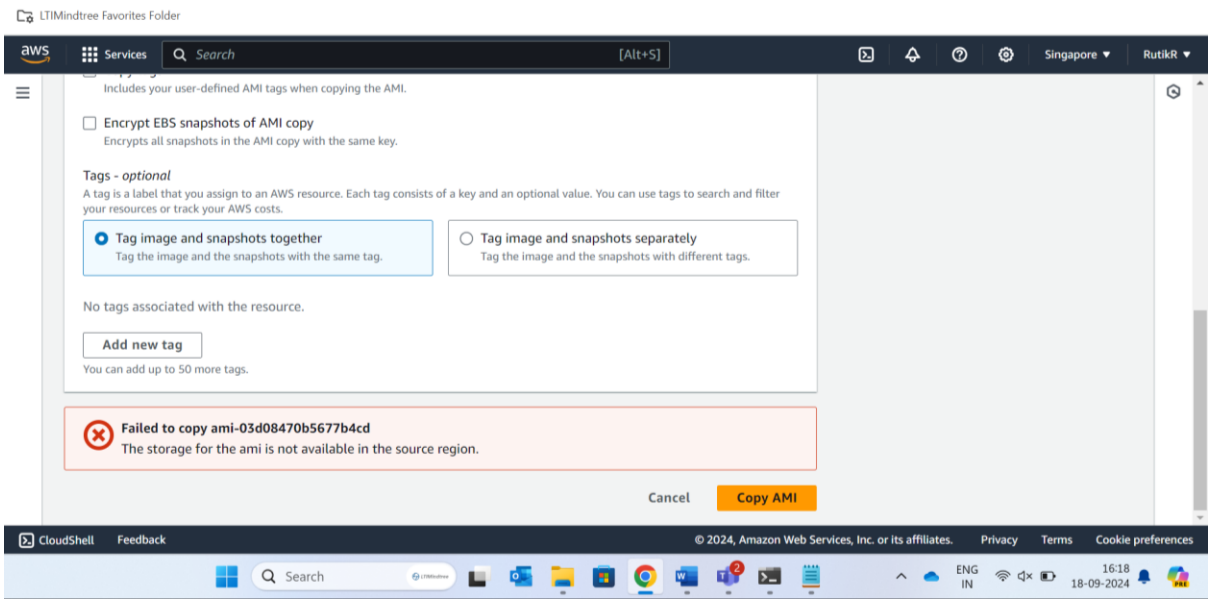


Image created and it is available in amis in ssingapore region

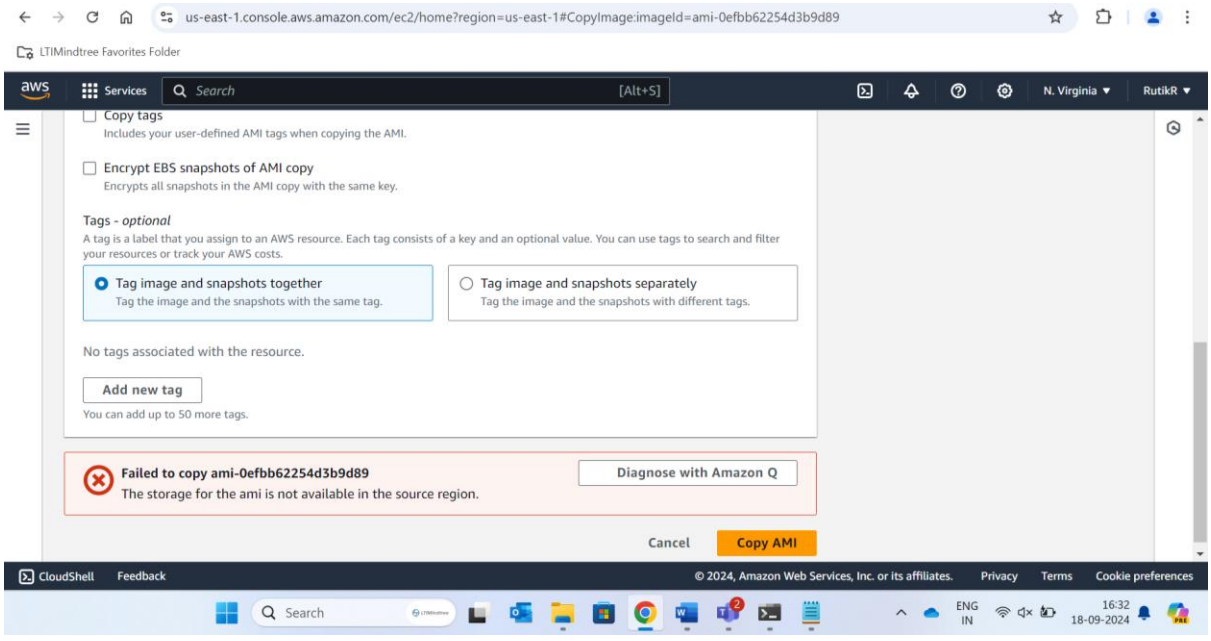
Copy image to ohio region



Storage is full so not able to do it .

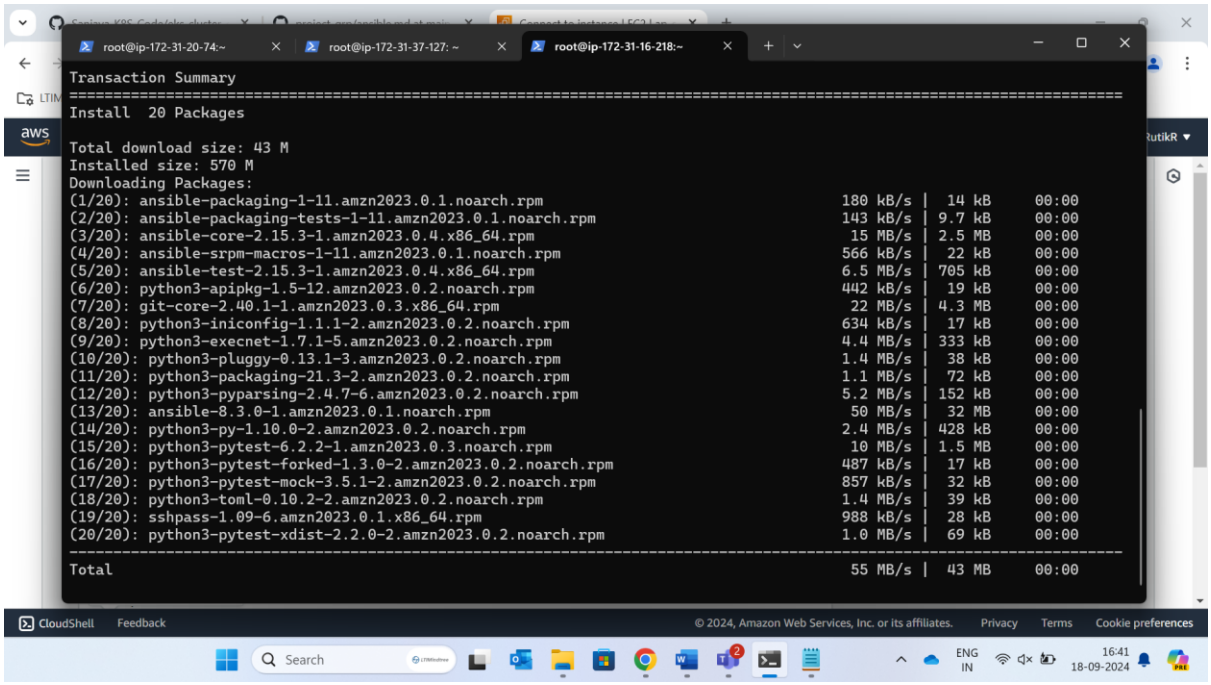


I tried from virginia region still same error

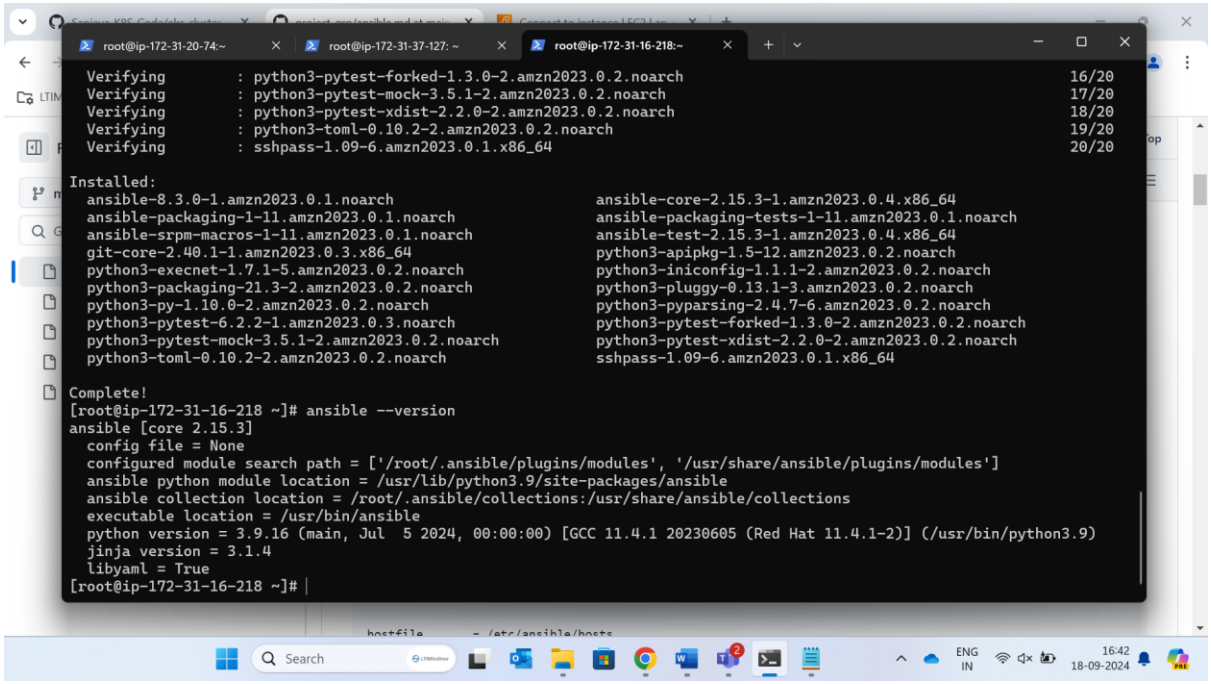


4)b) creating an instance to configure ansible on it.

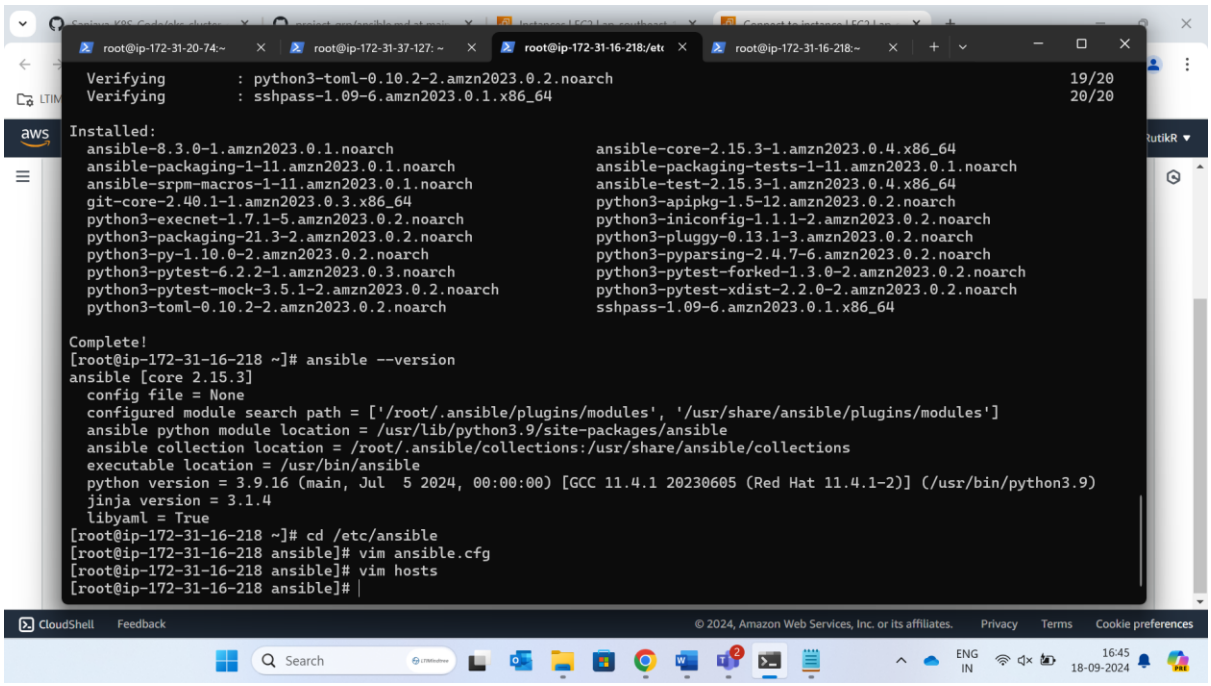
Setting ansible on an instance.



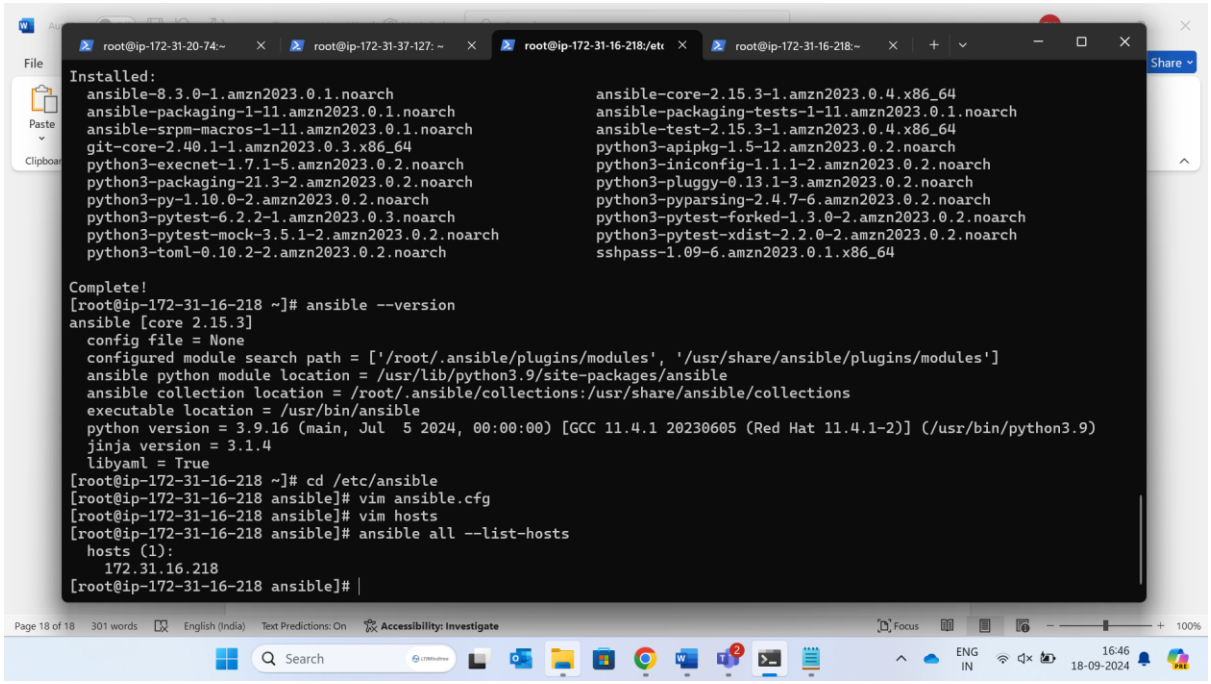
Successfully installed ansible



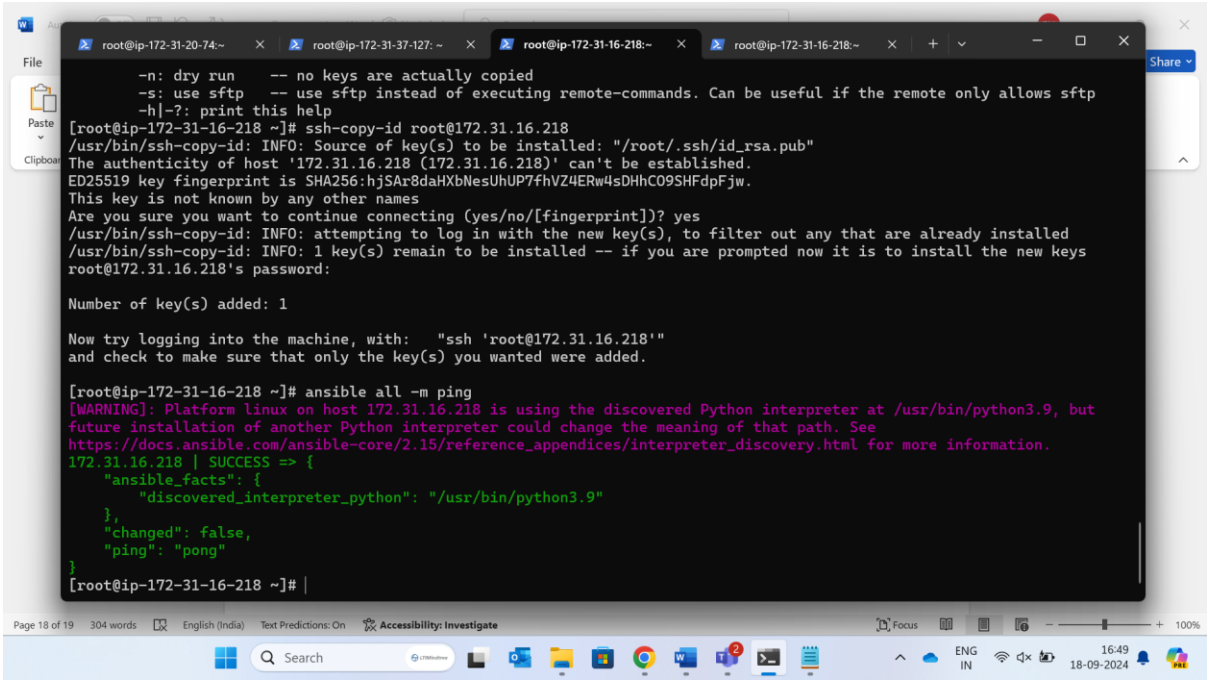
Created an hosts file.

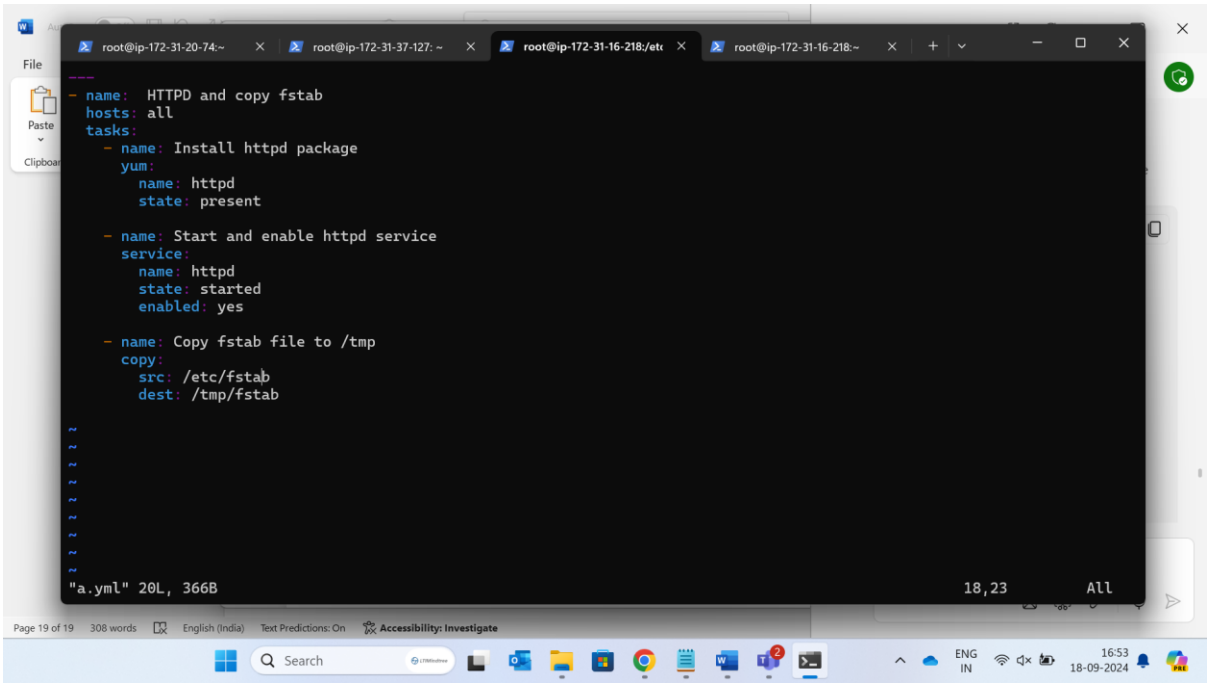


Hosts are visible

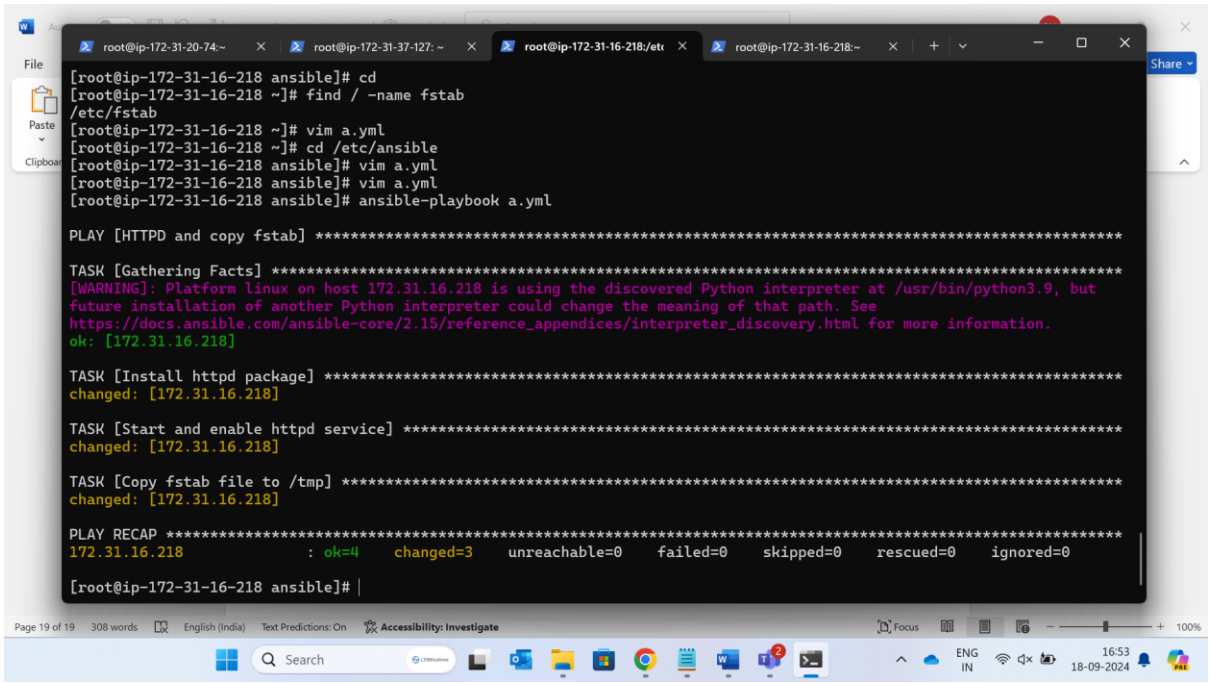


Hosts are connected successfully





Done the changes at host side


root@ip-172-31-20-74:~
root@ip-172-31-37-127: ~
root@ip-172-31-16-218:/etc
root@ip-172-31-16-218:~
[root@ip-172-31-16-218 ansible]# cd
[root@ip-172-31-16-218 ~]# find / -name fstab
/etc/fstab
[root@ip-172-31-16-218 ~]# vim a.yml
[root@ip-172-31-16-218 ~]# cd /etc/ansible
[root@ip-172-31-16-218 ansible]# vim a.yml
[root@ip-172-31-16-218 ansible]# vim a.yml
[root@ip-172-31-16-218 ansible]# ansible-playbook a.yml
PLAY [HTTPD and copy fstab] ****
TASK [Gathering Facts] ****
[WARNING]: Platform linux on host 172.31.16.218 is using the discovered Python interpreter at /usr/bin/python3.9, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.15/reference_appendices/interpreter_discovery.html for more information.
ok: [172.31.16.218]
TASK [Install httpd package] ****
changed: [172.31.16.218]
TASK [Start and enable httpd service] ****
changed: [172.31.16.218]
TASK [Copy fstab file to /tmp] ****
changed: [172.31.16.218]
PLAY RECAP ****
172.31.16.218 : ok=4 changed=3 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0
[root@ip-172-31-16-218 ansible]#
Page 19 of 19
308 words
English (India)
Text Predictions: On
Accessibility: Investigate
Focus
100%
Search
ENG
IN
16:53
18-09-2024