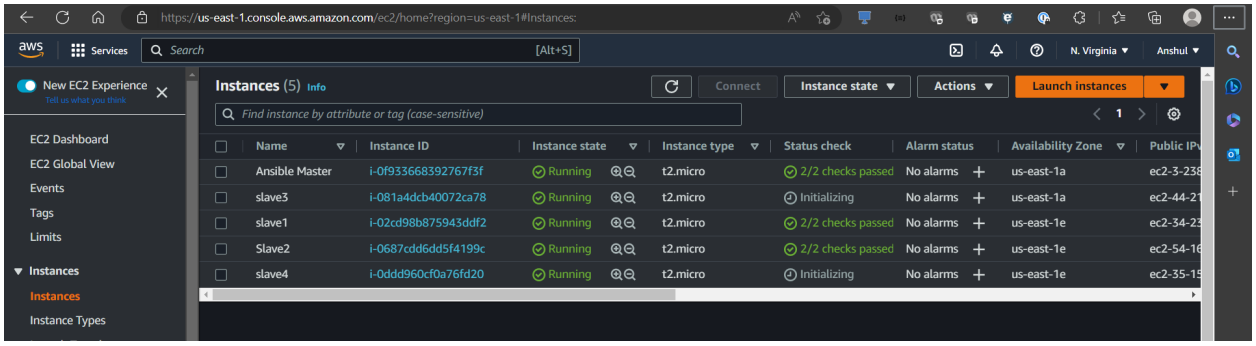
Ansible - 5

You have been asked to:

- Create a new deployment of ansible cluster of 5 nodes
- Label 2 nodes as test and other 2 as prod
- Install java on test nodes
- Install mysql-server on prod nodes

Use Ansible Playbook for the above

We already have a 3 node cluster. As per task lets create two more nodes and connect it to master under test and prod servers.

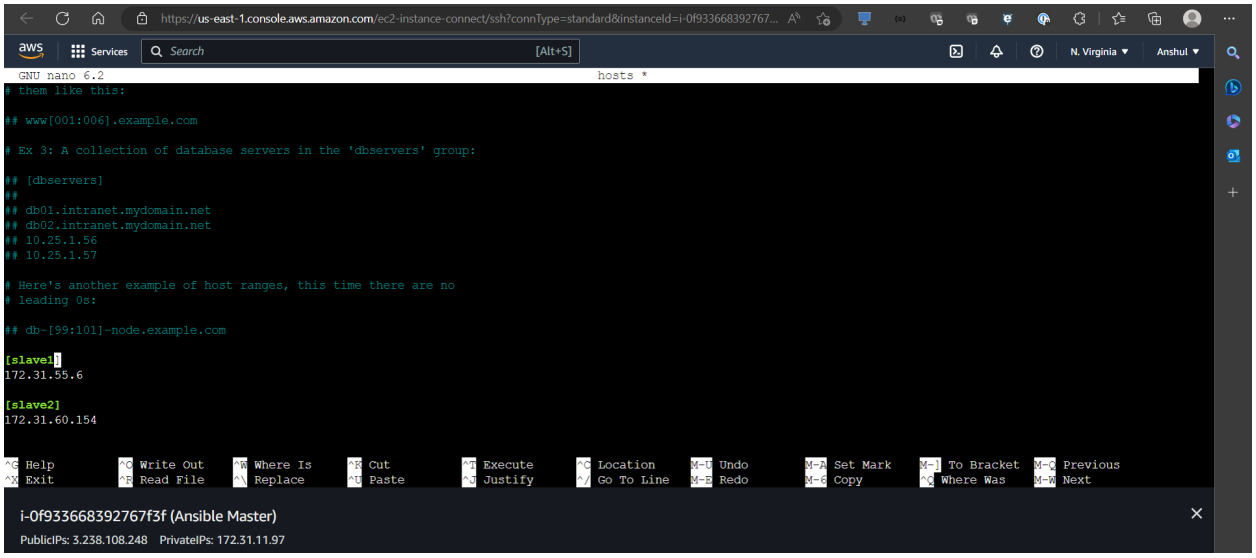


Let us register their private ip's under hosts in master.

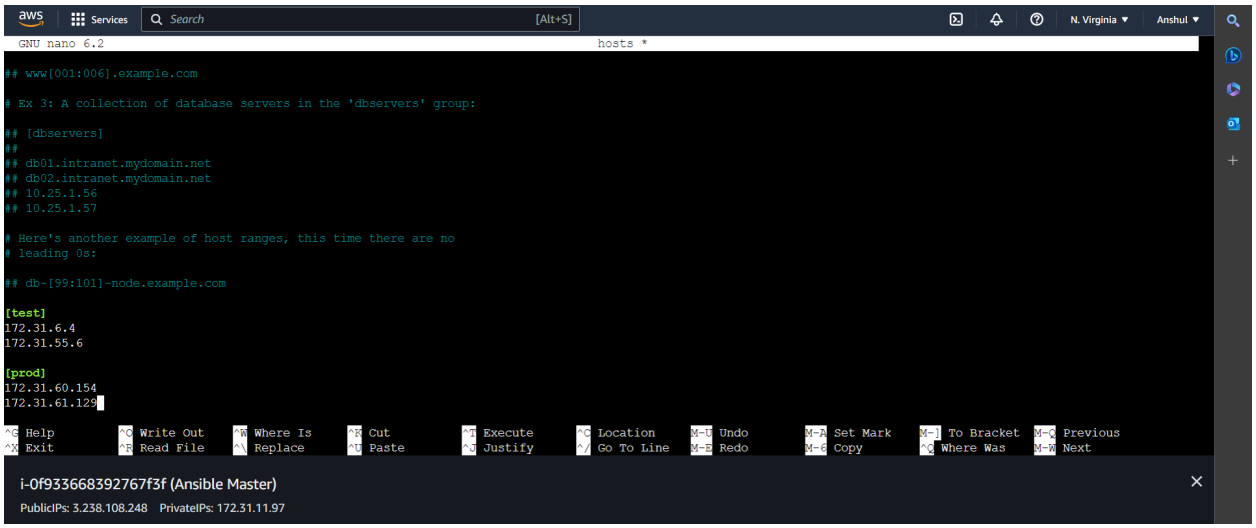
Ssh to master and cd /etc/ansible

Nano hosts

This is what we had before:



Let us distribute 2 as test and 2 as prod server as per mentioned task:

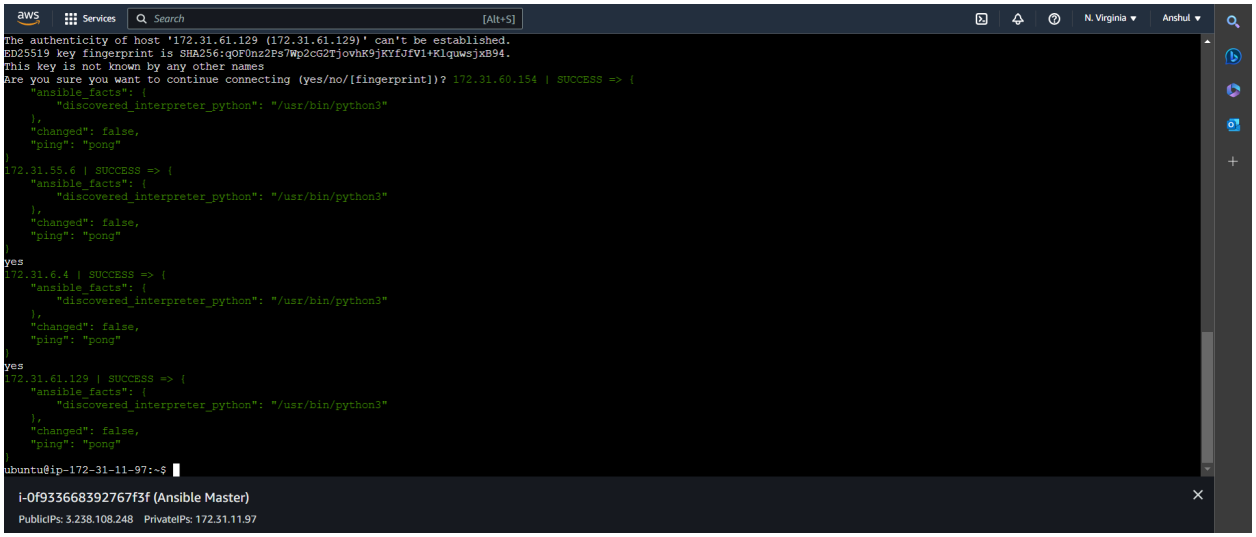


Let us give ssh access as well for proper working. We do following commands on-
Master: sudo ssh-keygen (copy this key)

Move to newly made servers and ssh into them.
Do this in both newly made slave servers:
cd .ssh
nano authorized_keys

Paste the copied key here.

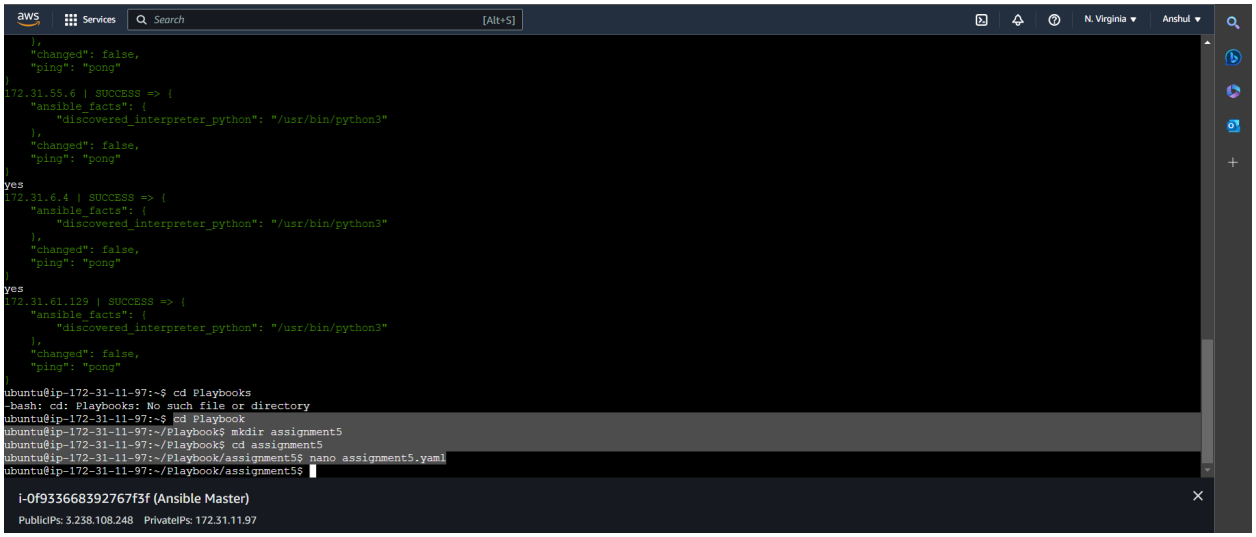
Now that that is done, ping them all to check connectivity using command:
Ansible -m ping all
All the 4 worker nodes are responding.



This is the same playbook previously used with a little change in hosts.
YAML file:

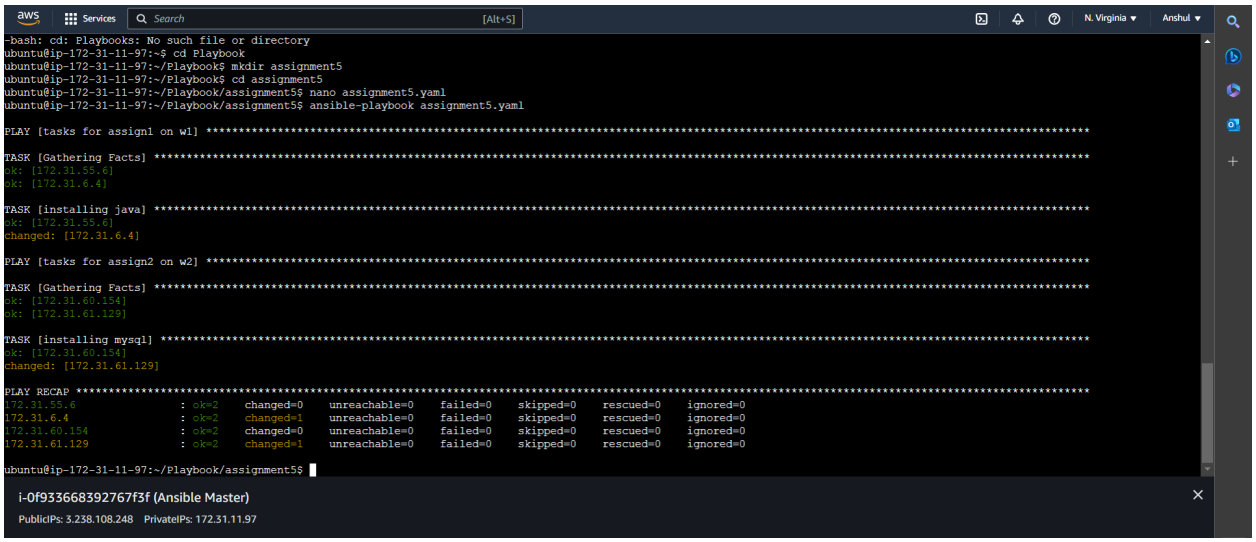
```
---
- name: tasks for assign1 on w1
  hosts: test
  become: true
  tasks:
   - name: installing java
     apt: name=openjdk-11-jdk update-cache=yes state=latest
- name: tasks for assign2 on w2
  hosts: prod
  become: true
  tasks:
   - name: installing mysql
     apt: name=mysql-server update-cache=yes state=latest
```

Now create new folder for playbook for this task and paste above yaml file.
mkdir assignment5
Nano assignment5.yaml



And paste it.

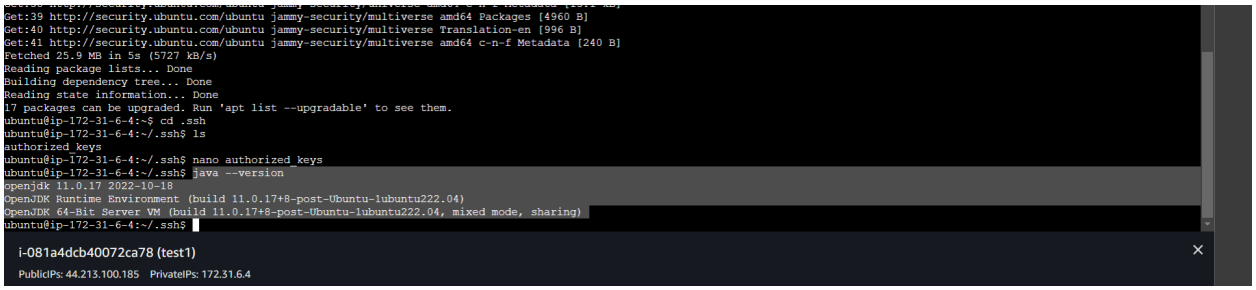
Now run this playbook using: ansible-playbook <filename.yaml>



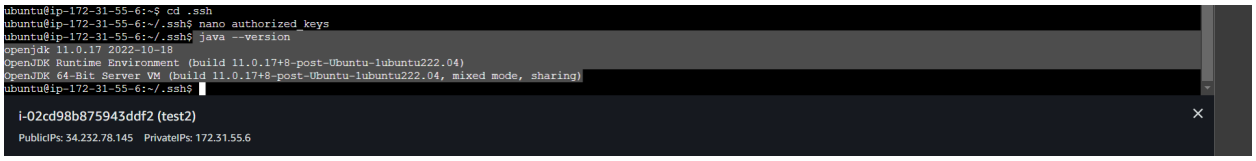
Note: The changed=0 are the ones which had installed in them already from previous tasks.

Let us check if they are installed in all of them.

Test1



Test2



Prod1

Prod2