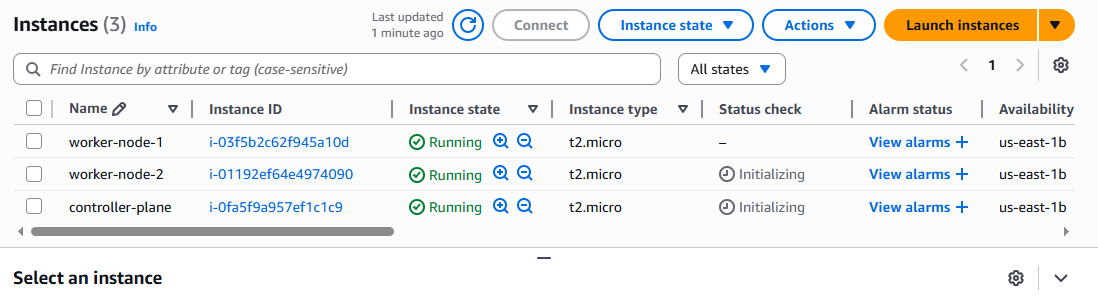
Name : Saurabh Sanjay Jadhav

Topic : Ansible setup and Basic modules.

Assignment no. : 11

1. Create 3 instance controller plane, worker-node-1 and worker-node-2.



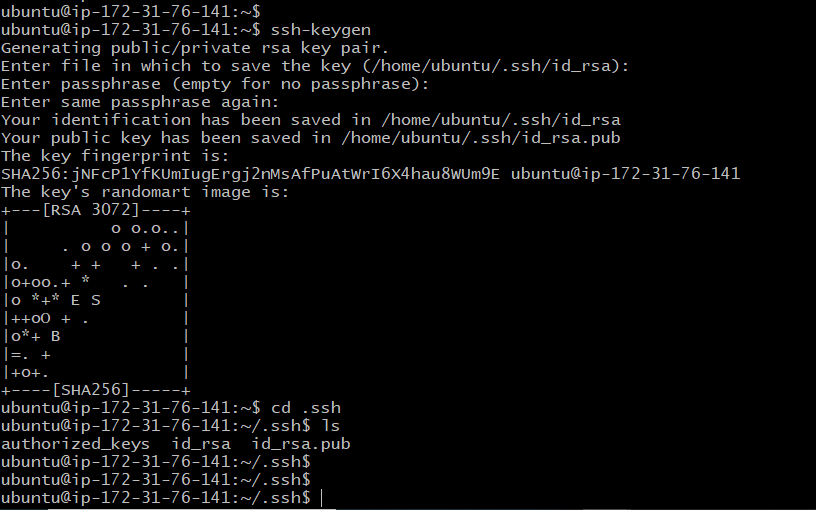
Controller plane : 172.31.76.141

Worker-node-1 : 172.31.74.64

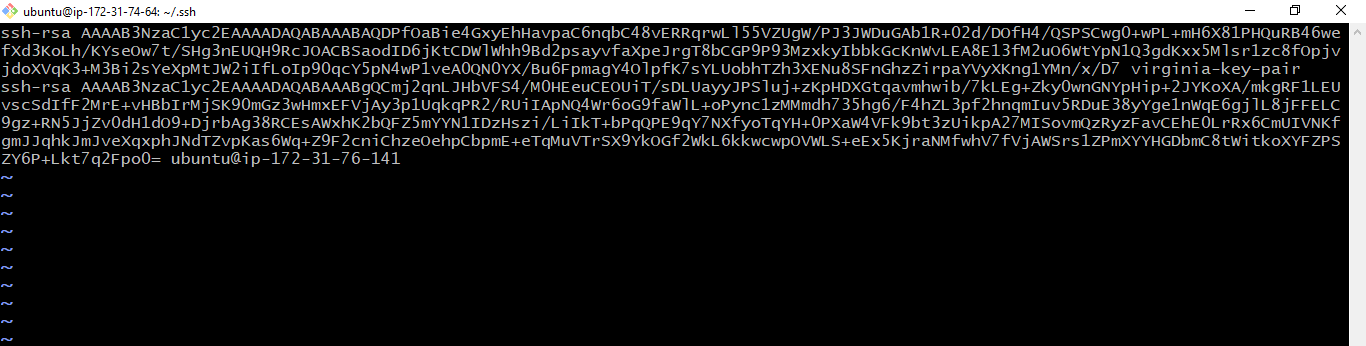
Worker-node-2 : 172.31.78.45

1. Connect the worker nodes with controller node.
2. Generate the ssh key in controller plane.

Ssh key-gen

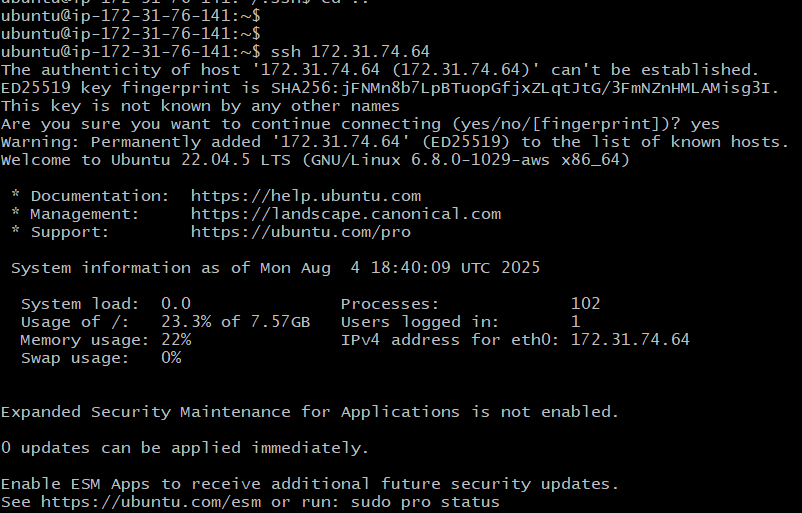


1. Copy the text of private key from controller plane to both the worker nodes.

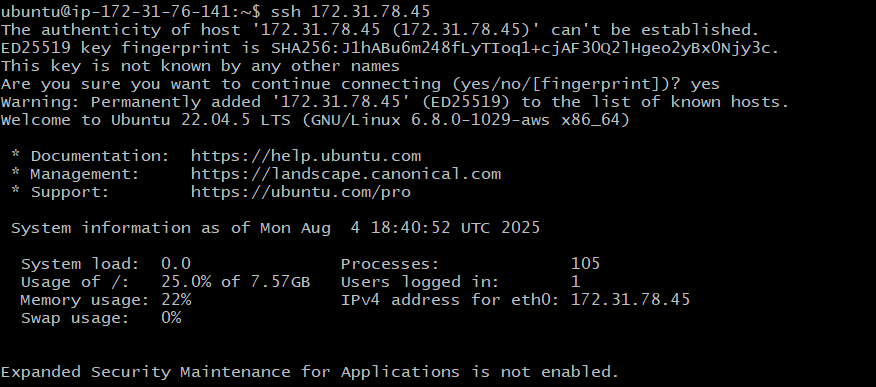


1. Check whether the nodes are able to connect.

Workernode-1:



Worker-node-2

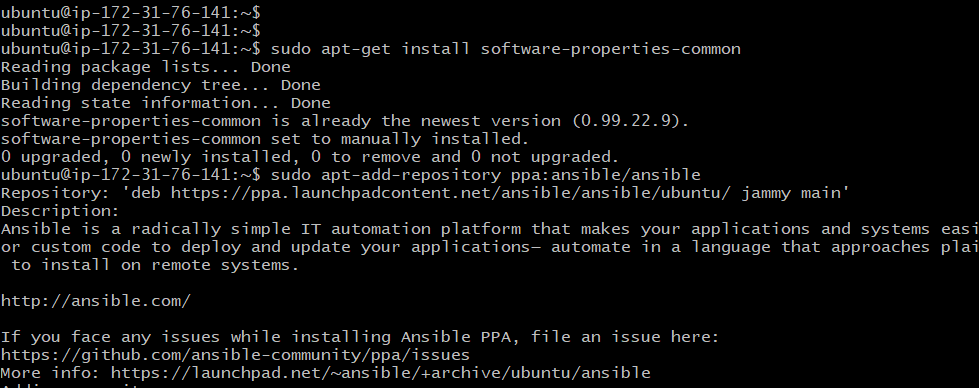


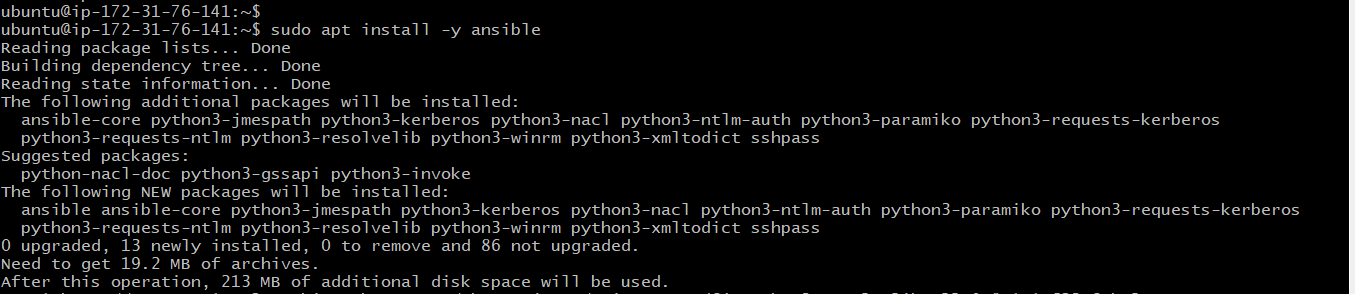
1. Install ansible on controller node

Sudo apt-get install software-properties-common

Sudo apt-add-repository ppa:ansible/ansible

Sudo apt install –y ansible

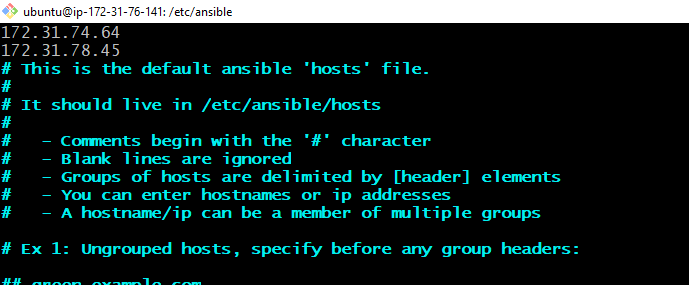




1. Adding the worker nodes ip address in hosts file of ansible.

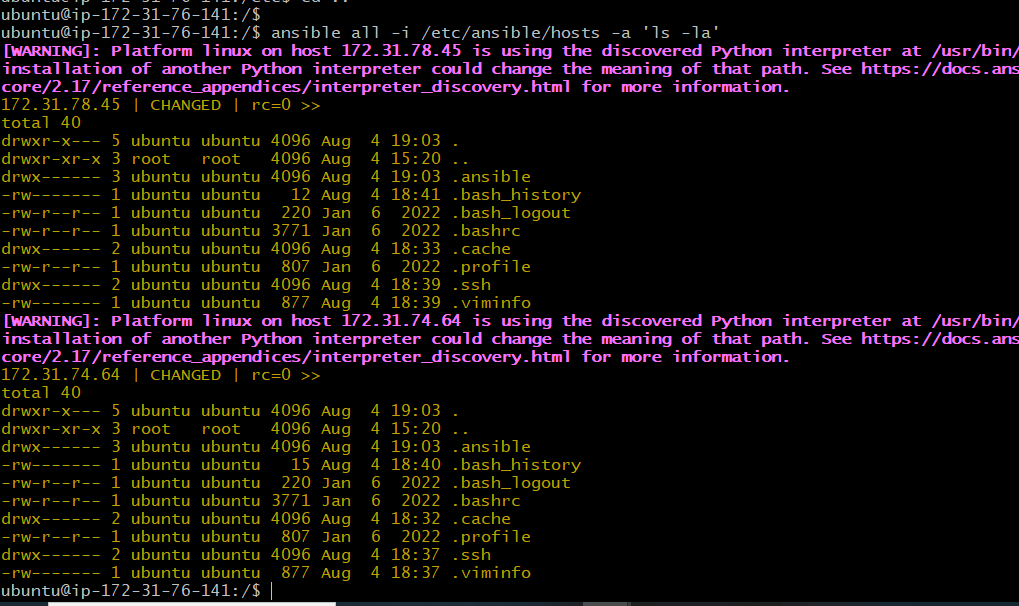
Default directory for hosts and config file: /etc/ansible

By default inventory file : /etc/ansible/hosts



1. Use ansible commands with modules.
2. ‘Command’ module :

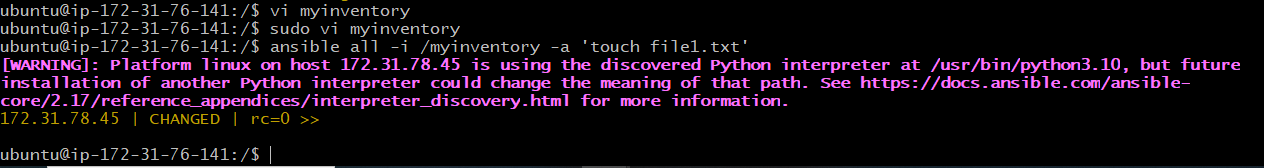
Ansible all –I /etc/ansible/hosts –a ‘ls -la’



Create new inventory file and create new files in the worker nodes available in it.

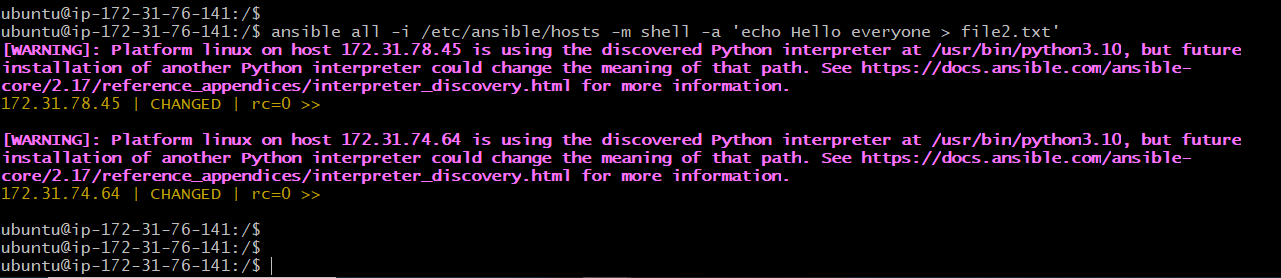
Sudo vi myinventory

Ansible all –I myinventory –a ‘touch file1.txt’



1. Shell:

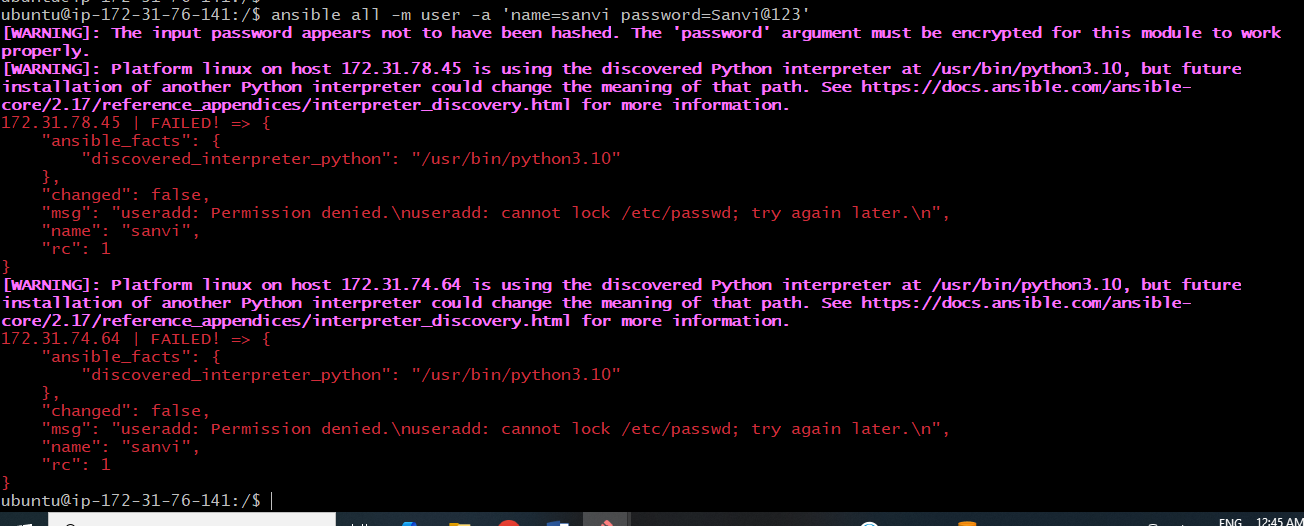
Ansible all –I /etc/ansible/hosts –m shell –a ‘echo Hello everyone > file2.txt’



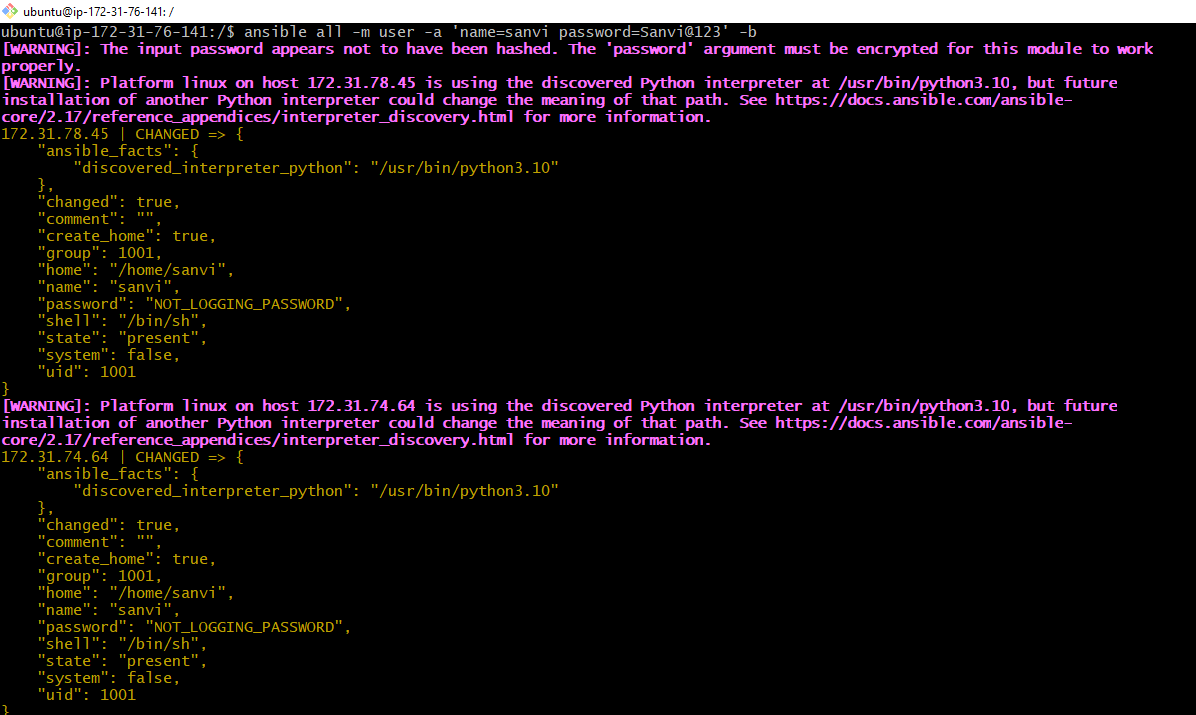
1. User:

Ansible all –m user –a ‘name=sanvi password=Sanvi@123’

It will give error as below



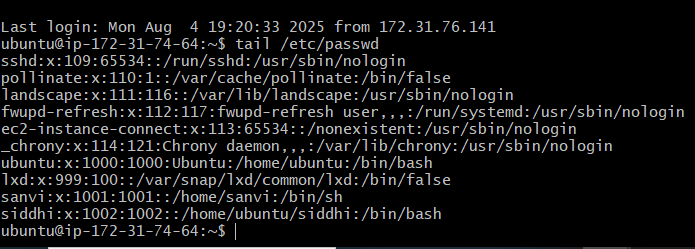
Ansible all –m user –a ‘name=sanvi password=Sanvi@123’ –b



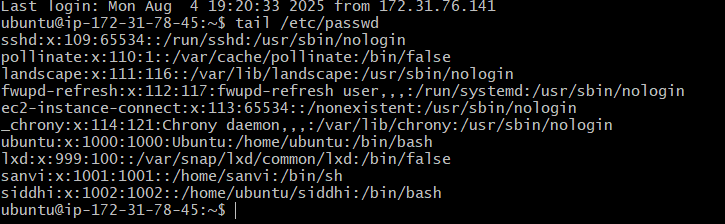
Ansible all –m user –a ‘name=siddhi password=siddhu@123 home=/home/ubuntu/siddhi shell=/bin/bash’ –b



Worker –node-1:

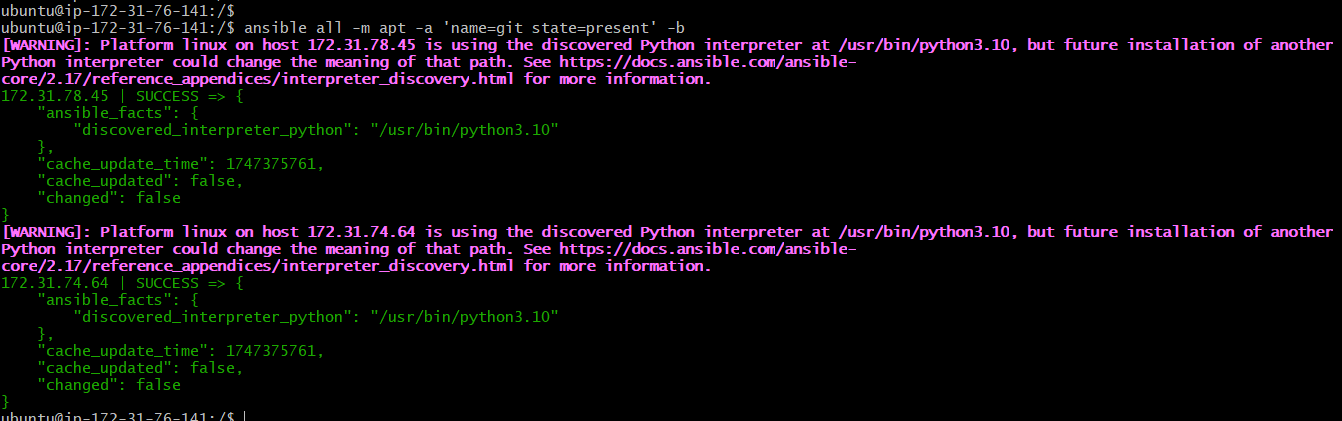


Worker-node-2:

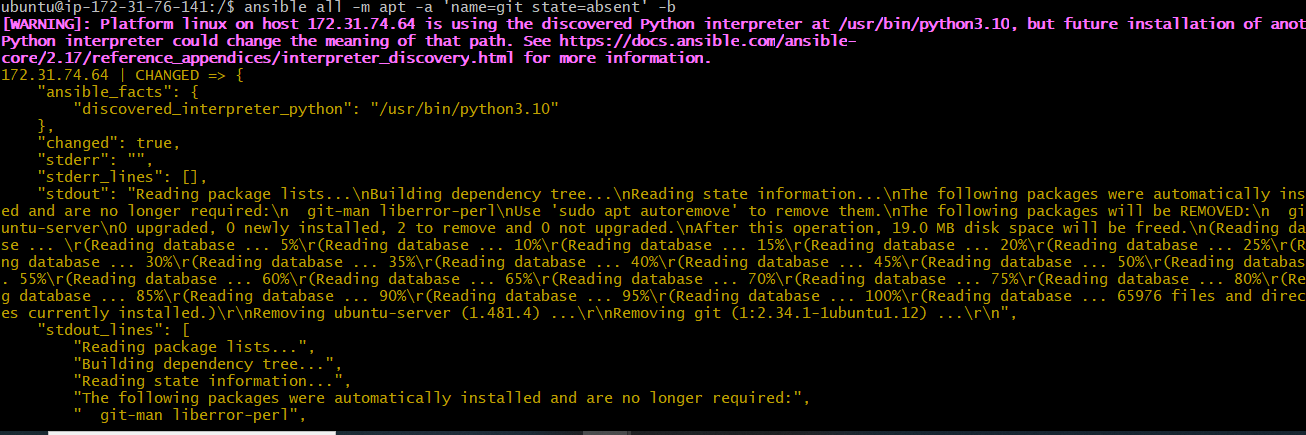


1. Apt/yum:

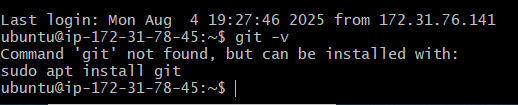
Ansible all –m apt –a ‘name=git state=present’ -b



Ansible all –m apt –a ‘name=git state=absent’ –b



Verify in worker node :



1. Access worker node using public ip.

