**# Steps to Perform Ansible**

\* Create EC2 Instance for the Ansible and the Nodes.

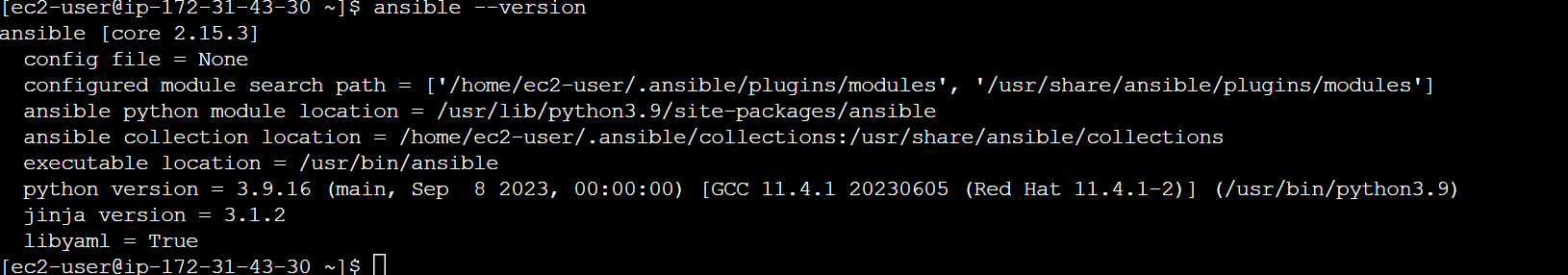
\* Connect on EC2 Ansible.

Install Ansible

cmd: sudo yum install ansible -y

\* Check Ansible version to verify it is installed correctly.

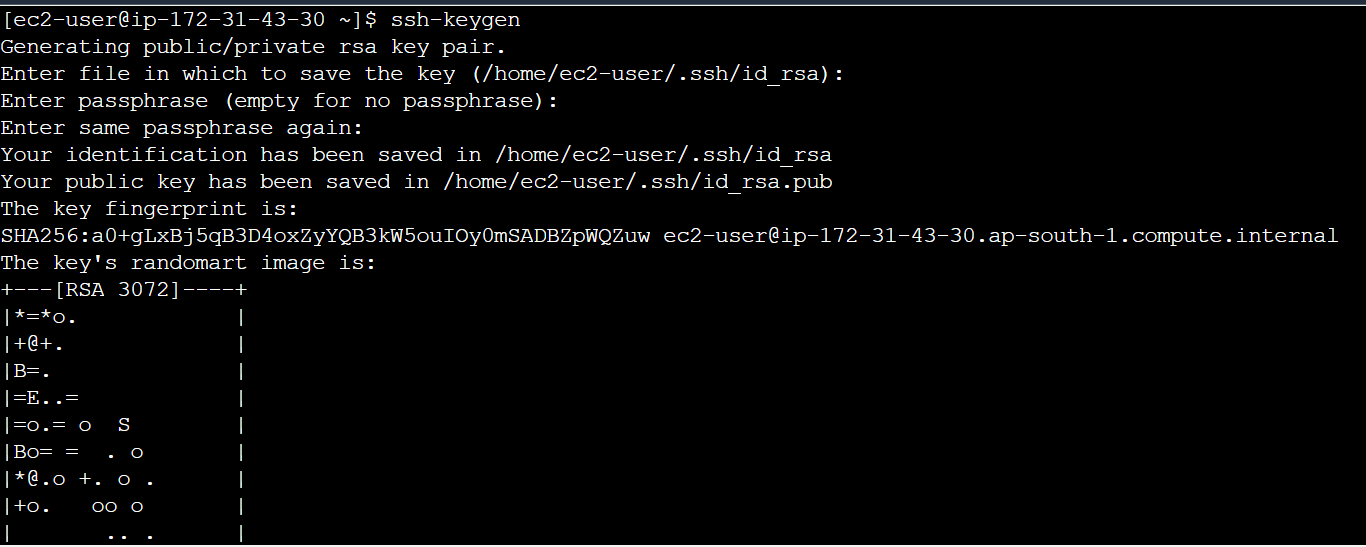
cmd: ansible --version



\* Configure Ansible.

\* Establish SSH Connection.

cmd: ssh-keygen



\* Connect To Node EC2.

\* Check the Authorized keys in the Node and add the public key from the ansible into the

node authorized key to establish the connection.

cmd: cd .ssh (cd: To Go to SSH directory)

cmd: ls (ls: Lists Instance Directory and file)

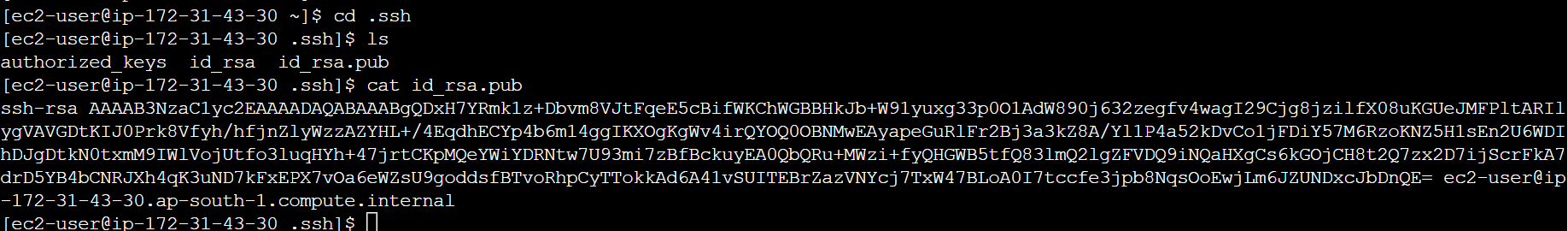
cmd: vi authorized\_keys (vi: Used to create and edit files)

\* Ansible Public key.

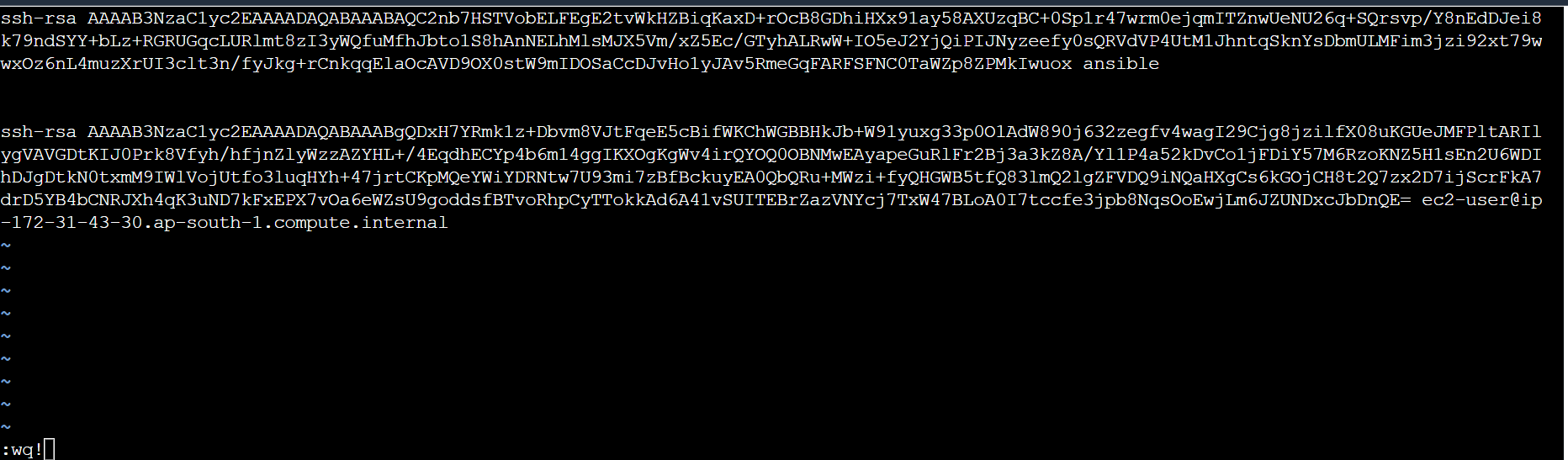
cmd: cd .ssh (cd: To Go to SSH directory)

cmd: ls (ls: Lists Instance Directory and file)

cmd: cat id\_rsa.pub (vi: Concatenate or Display the Content of the File)



\* Copy the Public key from Ansible and Paste it in Node.

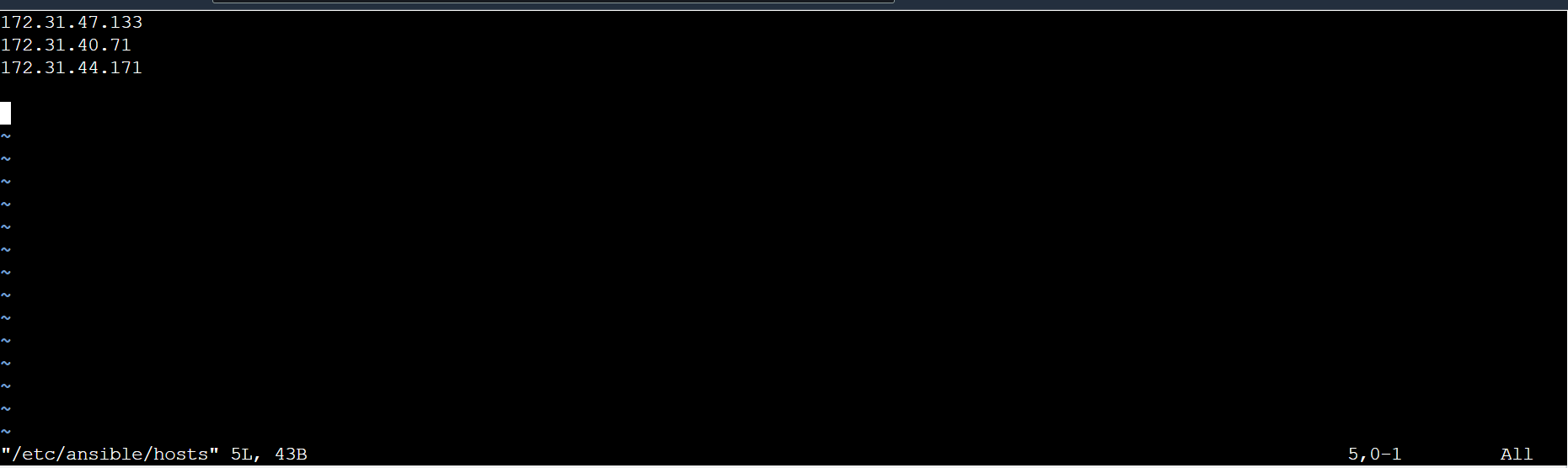


\* Repeat the same process for the other nodes.

\* Create the inventory file and add the Nodes Private IP address into inventory file.

cmd: sudo vi /etc/ansible/hosts

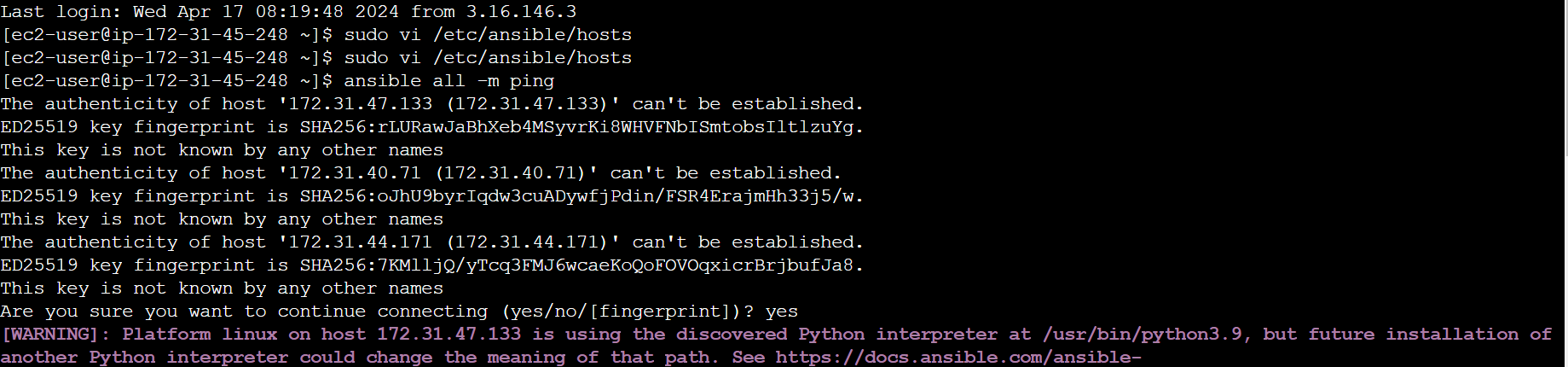
/etc/ansible/hosts (Default Path of Inventory file)



\* Edit the inventory file and add the Nodes Private IP address.

\* Ping all the Nodes IP’s.

cmd: ansible all -m ping



When it try to establish the connection with the ssh it asks for the verification to overcome this put false the verification.

\* Put all the Host key verifications put false as by default it is set to true if you are establishing the

connection with the multiple IP.

cmd: sudo vi /etc/ansible/ansible.cfg #Create the Config file

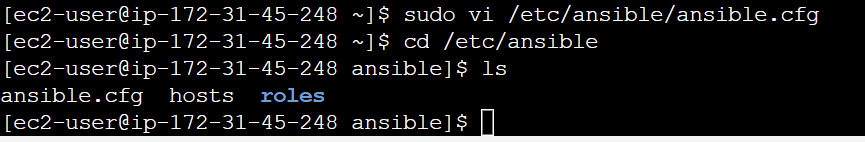
[defaults]

Host\_key\_checking = False

\* To verify if the following ansible.cfg file is created or not.

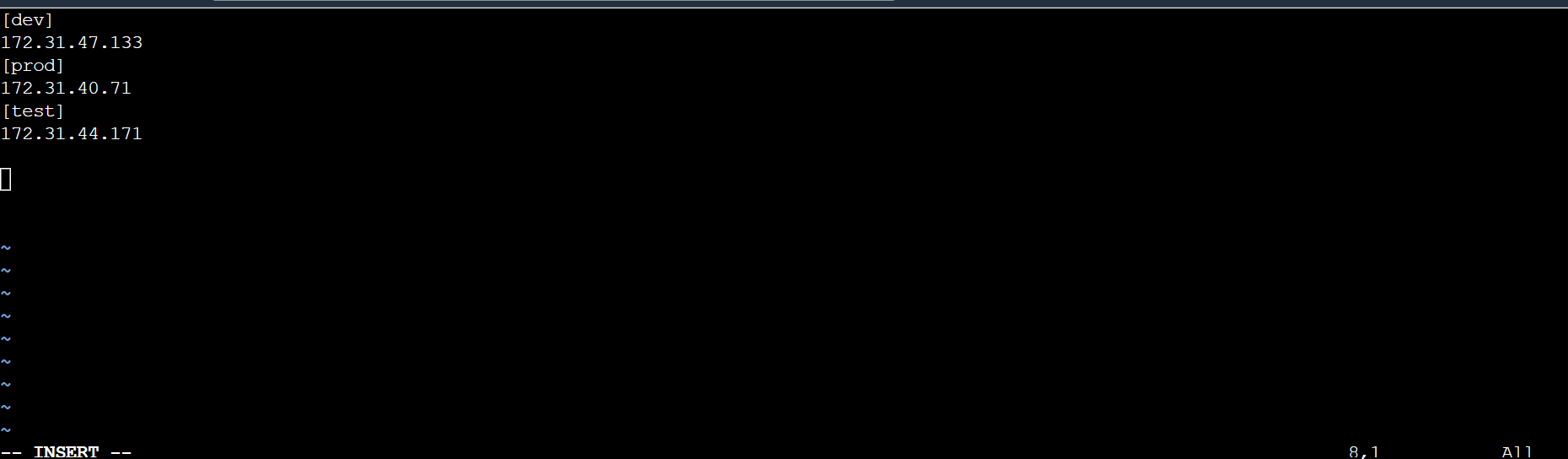
cmd: cd /etc/ansible

cmd:ls



\* Control the Nodes through grouping concept so we can perform the any action in a particular node.

cmd: sudo vi /etc/ansible/hosts



\* Playbooks – are used to create the multiple tasks in one time.

- To perform the tasks, we have to create the yml file.

cmd: ansible-playbook example.yml

\* Create the yml file and Install services by using the playbook yml.

cmd: vi example.yml

- name: techno playbook (Give any name)

hosts: all (All Nodes)

become: yes (Root User Permissions)

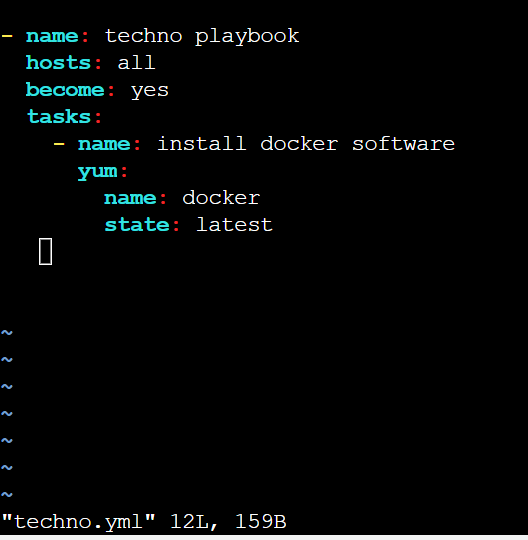
tasks: (What need to perform)

- name: install docker software

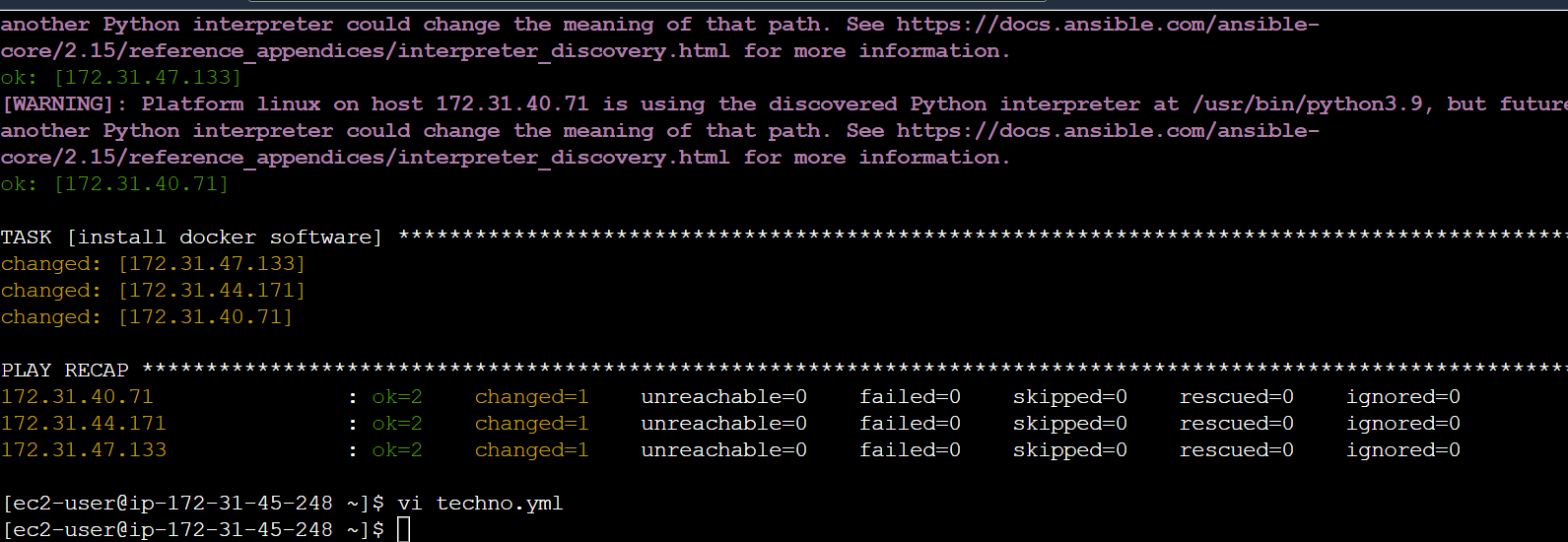
yum: (Module)

name: docker (Name of the service need to install)

state: latest ()



cmd: ansible-playbook example.yml

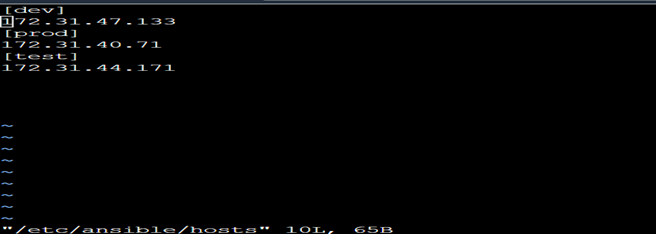


\* Connect with the Nodes and check the status of the services.

Cmd: systemctl status httpd

\* Test with the Group playbook now.

cmd: sudo vi /etc/ansible/hosts



hosts: [prod]

become: yes

tasks:

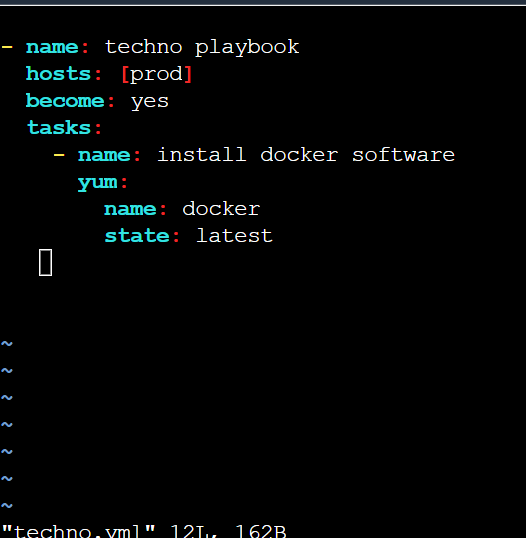
- name: install docker software

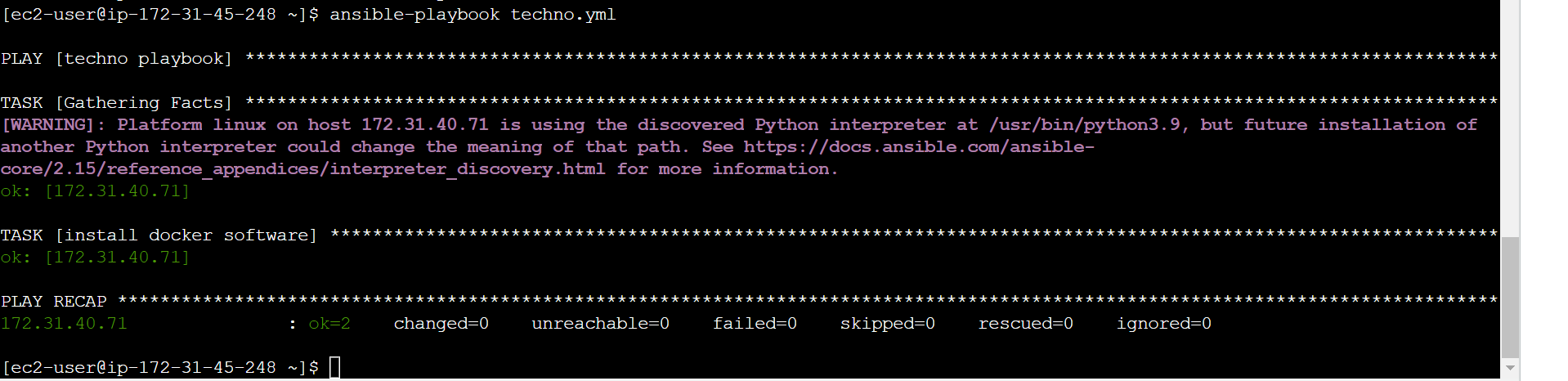
yum:

name: docker

state: latest

It will install the docker in the prod Node only.





\* Connect