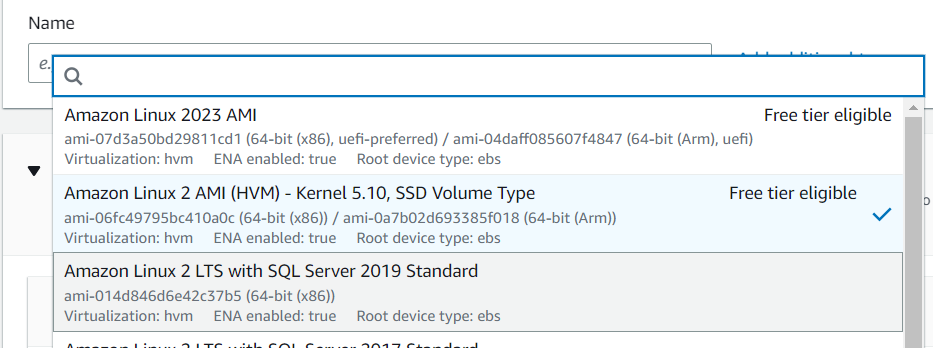
Ansible Master Agent Setup

======================

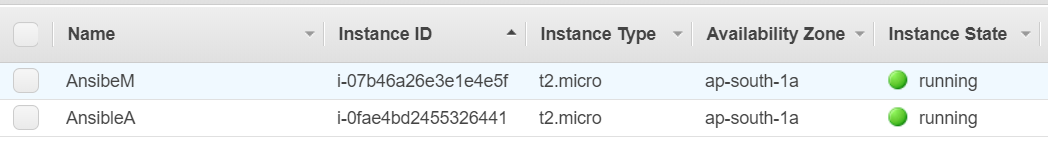
we are going to perform Ansible Master and Slave Setup on AWS Public Cloud Platform.

1. Create 2 EC2 Instance of AmazonLinux2, Give Tag AnsibleM and AnsibleS to the Servers.

Choose the AMI care fully we are choosing Amazon Linux 2 AMI



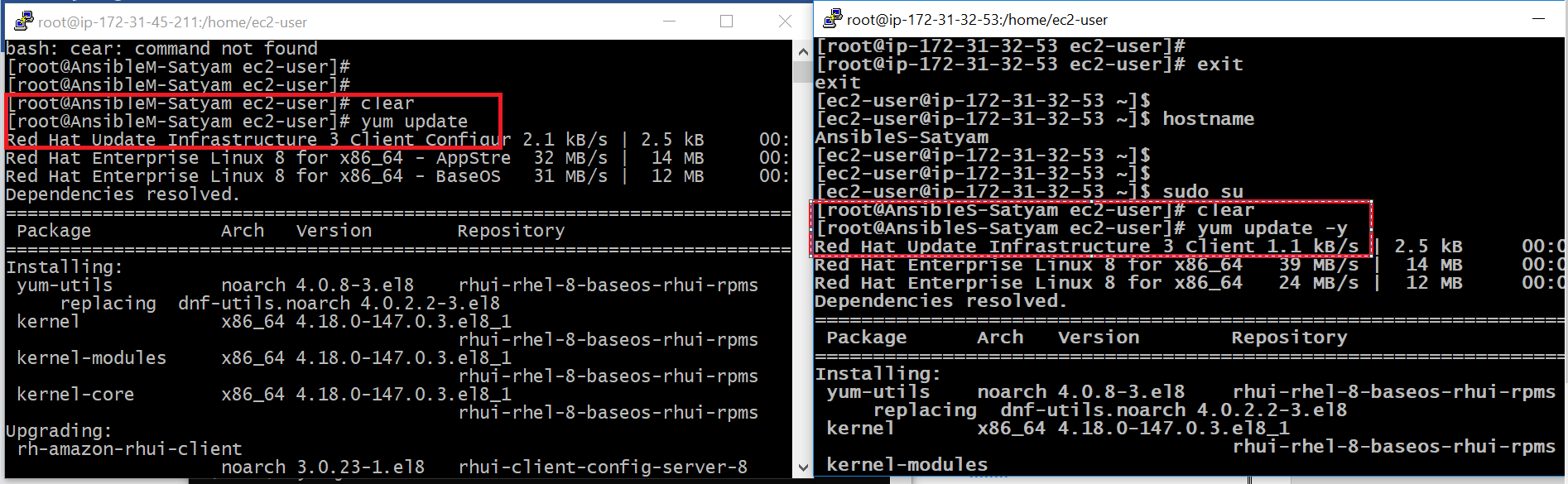
1. Once you are done with the setup your Instances will look this.



1. Login to Both the Box using respective Public IP and Private Key, and execute below commands. We are working on AnsibleM and AnsibleA same time, which save time.

#sudo su –

# yum update -y



1. Run below command on both the server Ansible Master and Ansible Slave to install python

yum install -y gcc openssl-devel bzip2-devel libffi-devel zlib-devel

wget https://www.python.org/ftp/python/3.9.6/Python-3.9.6.tgz

tar xzf Python-3.9.6.tgz

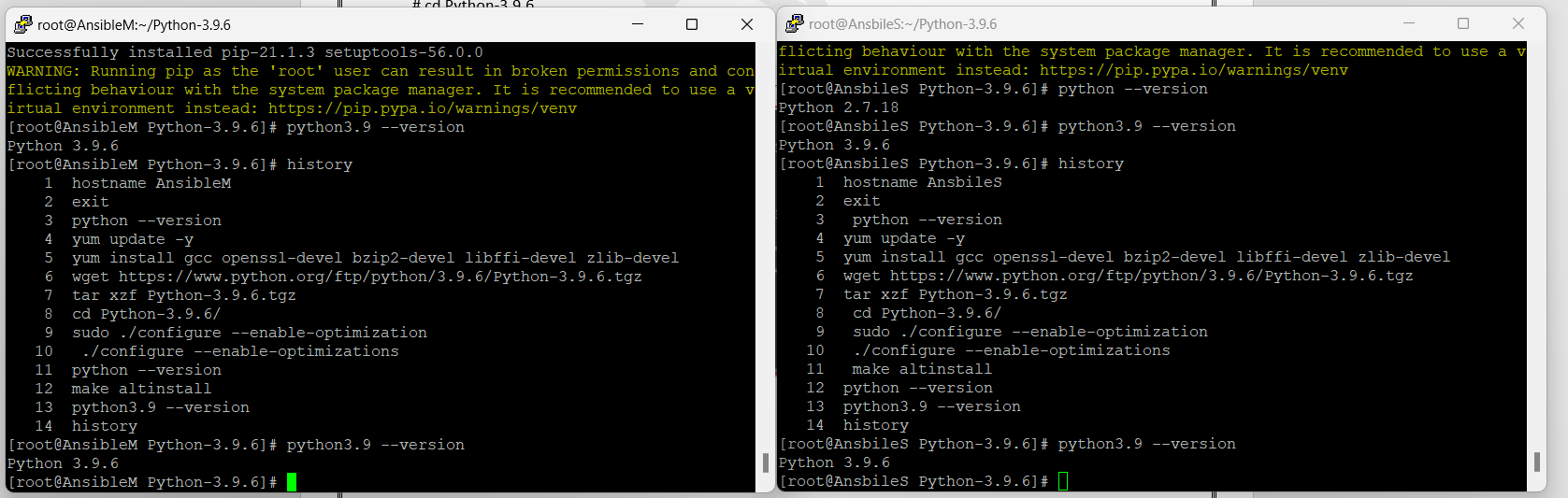
cd Python-3.9.6

./configure --enable-optimizations

make altinstall

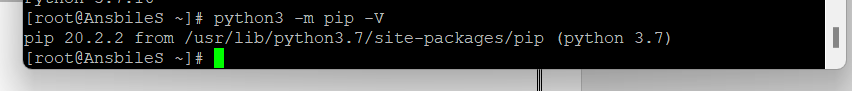
python3.9 --version

alias python='/usr/local/bin/python3.9'

python --version

Check pip is installed or not

# python3 -m pip -V



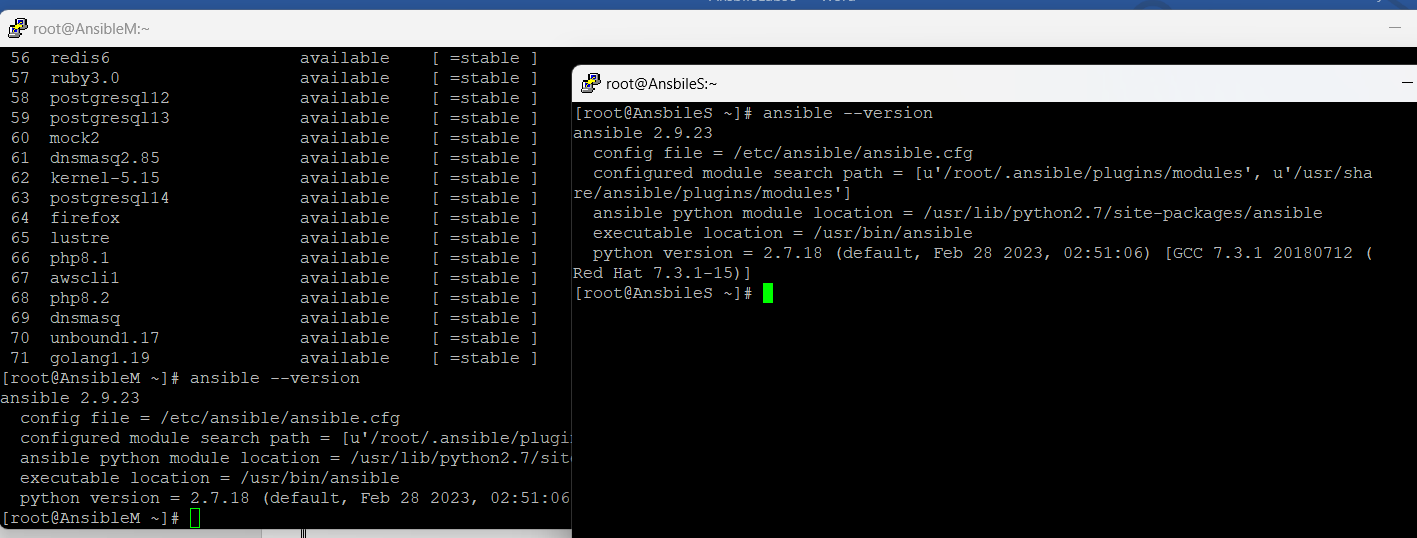
1. Install Ansible on AnsibleM and AnsibleS

sudo amazon-linux-extras install epel -y

yum install -y git python python-devel python-pip openssl

sudo yum --enablerepo epel install ansible -y

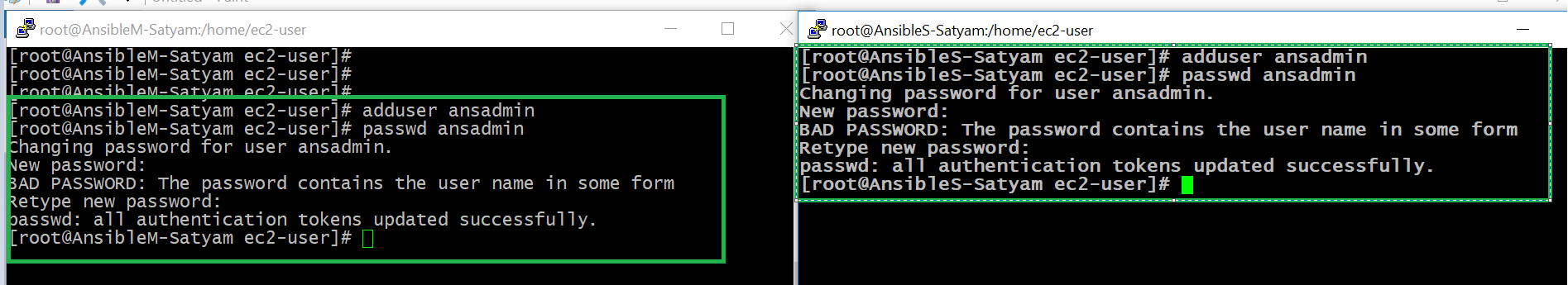
ansible --version

ansible --version 

1. Add user ansadmin on both AnsibleM and AnsibleS

#adduser ansadmin

#passwd ansadmin

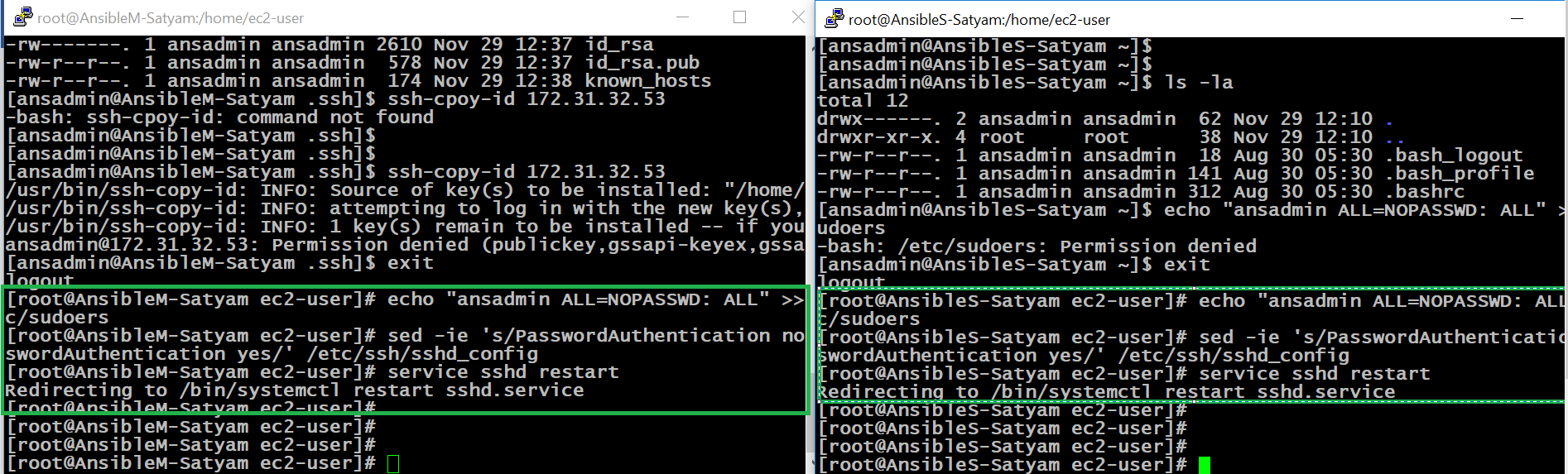


1. Execute below commands on both the servers.

echo "ansadmin ALL=NOPASSWD: ALL" >> /etc/sudoers

sed -ie 's/PasswordAuthentication no/PasswordAuthentication yes/' /etc/ssh/sshd\_config

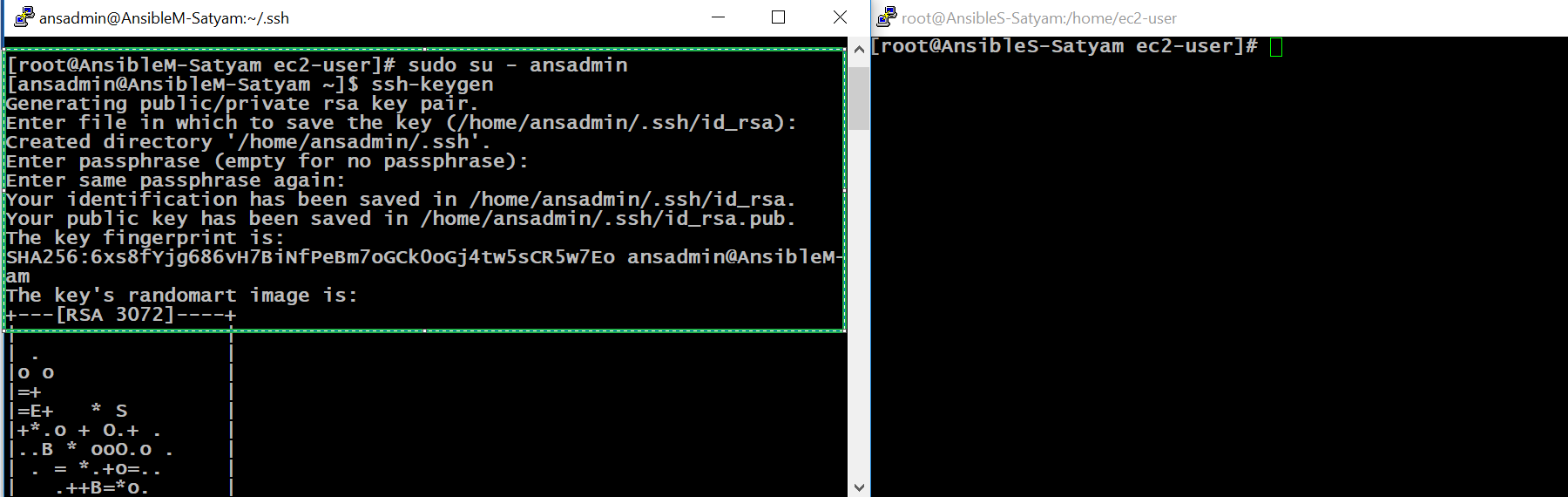
service sshd restart



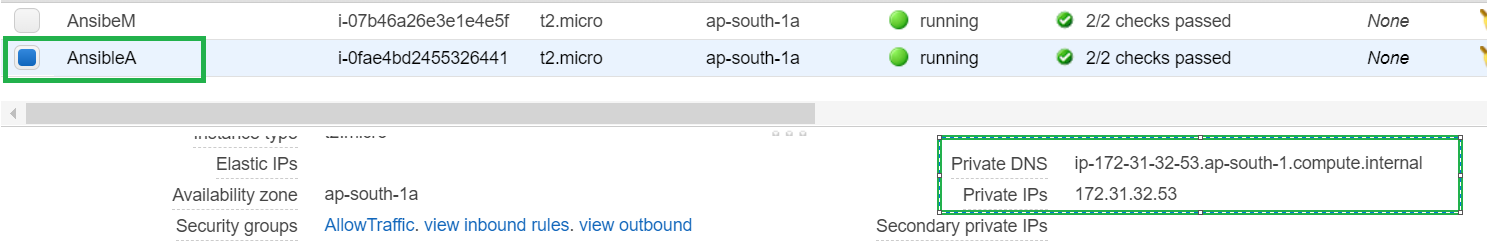
1. Login to AnsibleM with user ansadmin and create a public and private key with the help of ssh-keygen commands .

# sudo su - ansadmin

#ssh-keygen



1. Take out the Private IP of AnsibleA/AnsibleS

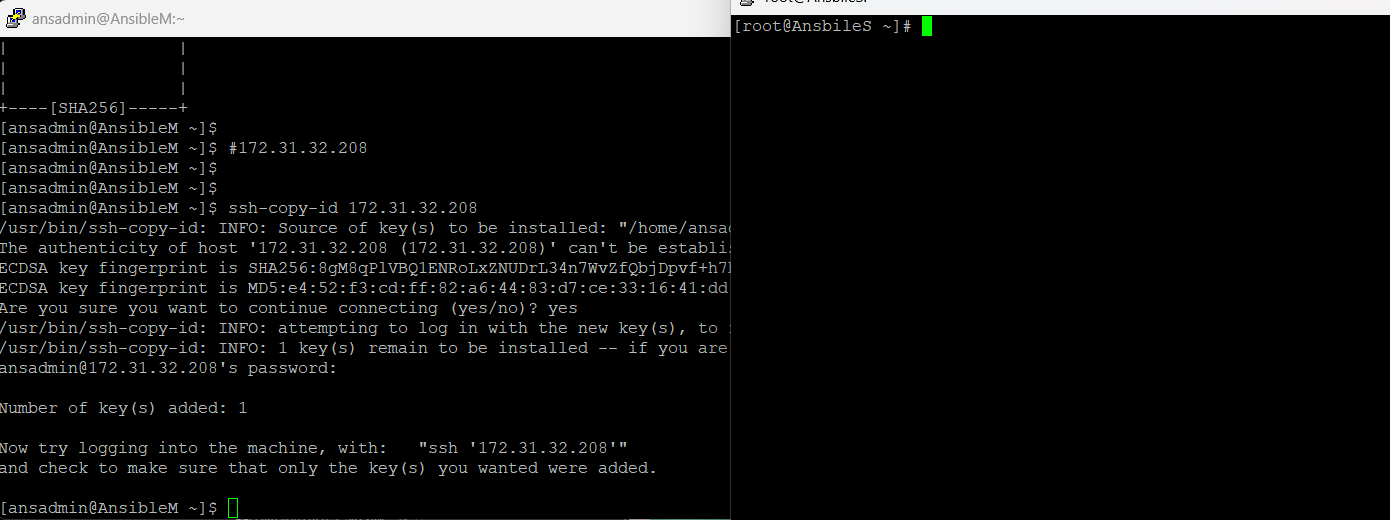


1. Its time to copy Private key of AnsibleM to AnsibelS

Use the ssh-copy-id command to copy the private of ansbile master to ansible Slave

It will ask passwd of ansadmin user for one time.

ssh-copy-id 172.31.32.203



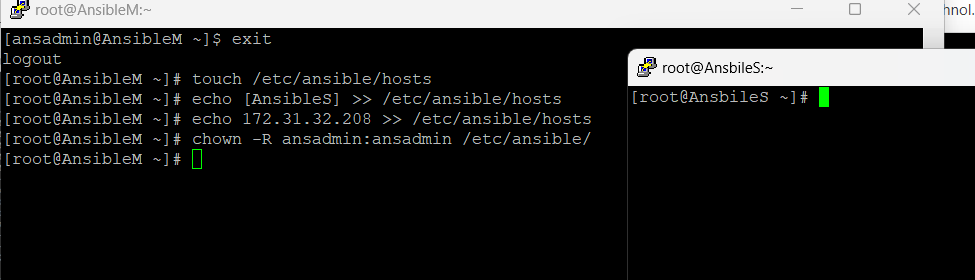
1. Add Private IP address of AnsibleS to inventory file & run the below command on ansible Master machine

touch /etc/ansible/hosts

echo [AnsibleA] >> /etc/ansible/hosts

echo **private\_ip\_addess\_anibleA/ansibleS** >> /etc/ansible/hosts

chown -R ansadmin:ansadmin /etc/ansible/



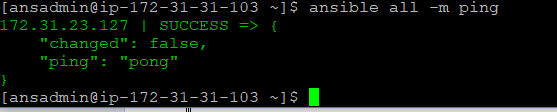
**Setup is Completed now test where you can control ansibleAgent from ansiblemaster**

**Ansbile Adhoc Command.**

We will running all ansible command from AnsibleM

1. How to check the health of AnsibleA

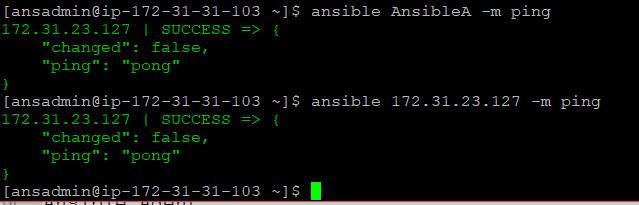
#ansbile all –m ping



1. Other ways of checking the health of AnsibleM

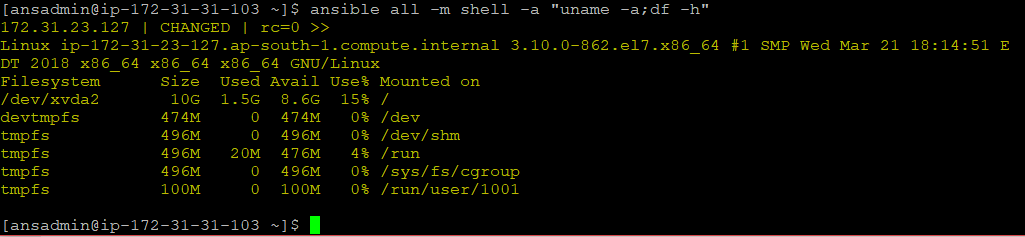
# ansible AnsibleA -m ping

#ansible 172.31.31.103 –m ping



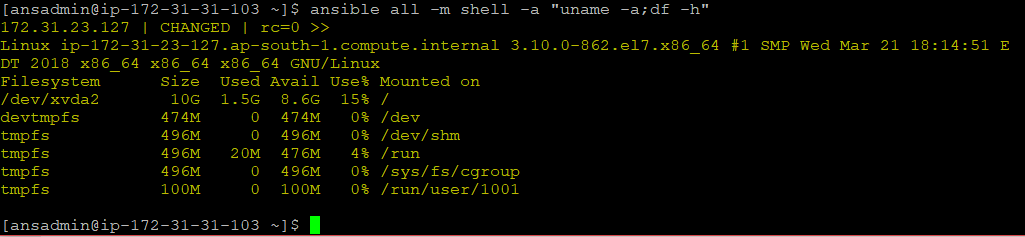
1. How to execute command on remote Ansible Agent.

ansible all -m shell -a "uname -a;df -h"



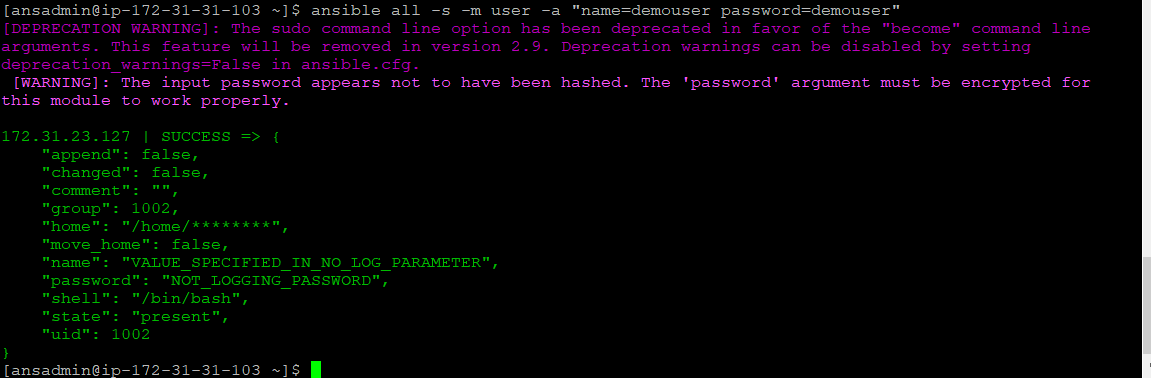
1. how to check uptime of AnsbileA

ansible -m command -a "uptime" AnsibleA



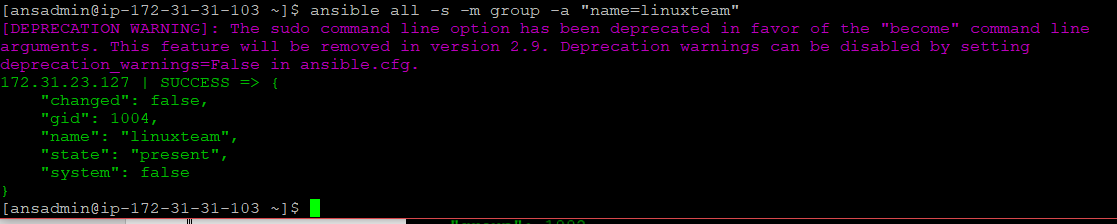
1. lets create a user named demouser on AnsibleA sitting from AnsibleM

ansible all -b -m user -a "name=demouser password=demouser"



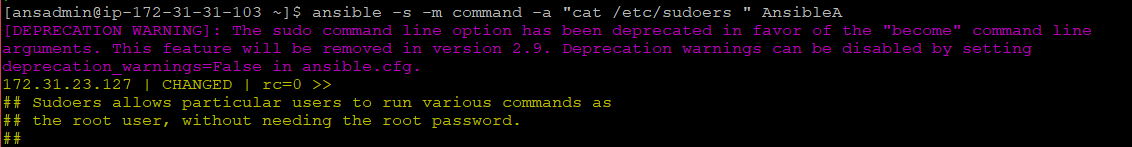
1. lets create a group on AnsibleA from AnsibleM

ansible all -**b** -m group -a "name=linuxteam"



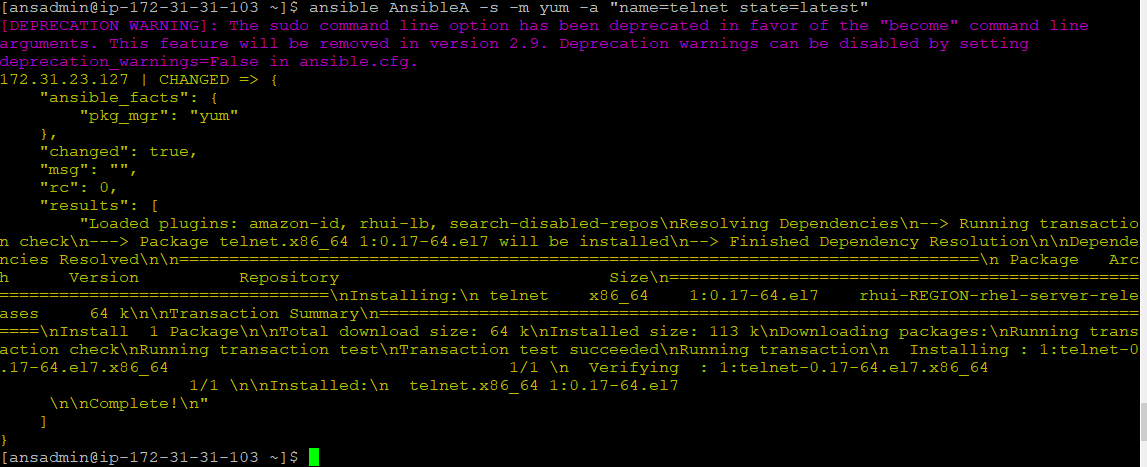
1. How to check the content of remote file

ansible -b -m command -a "cat /etc/sudoers " AnsibleS



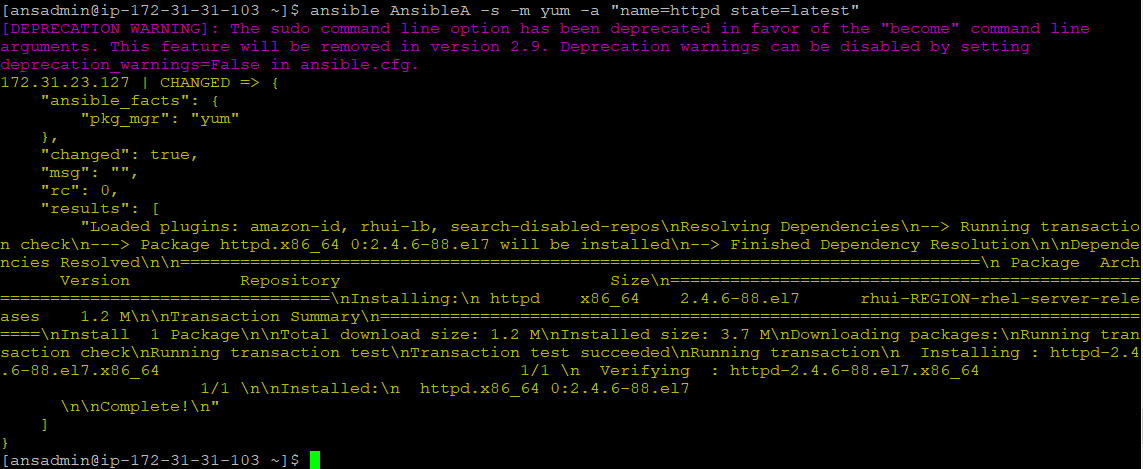
1. How to install telnet package on AnsbileA

ansible AnsibleS -b -m yum -a "name=telnet state=latest"

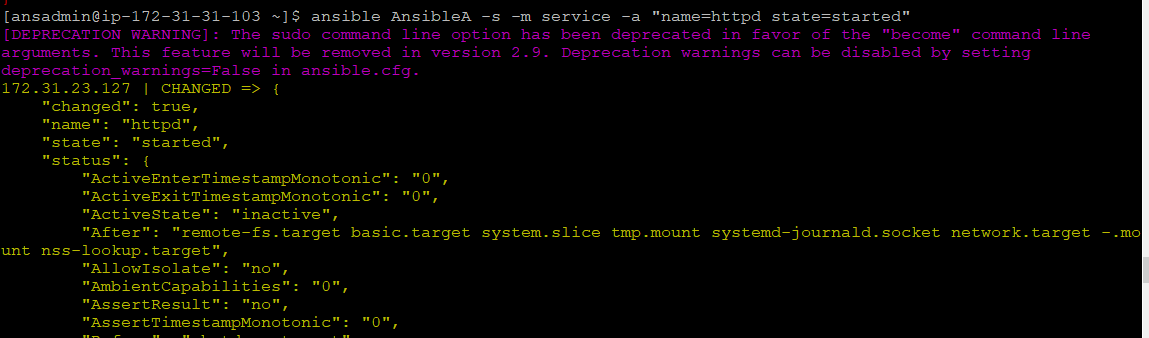


1. How to install httpd package on AnsbileA

ansible AnsibleS -b -m yum -a "name=httpd state=latest"

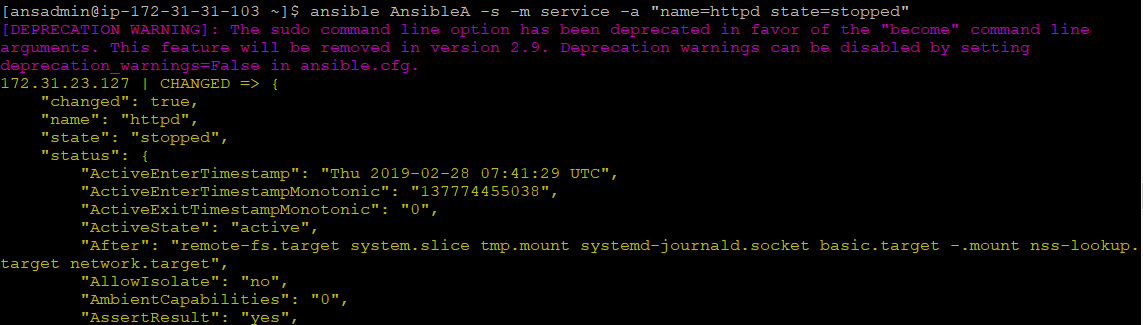


1. How to start httpd package on AnsbileA

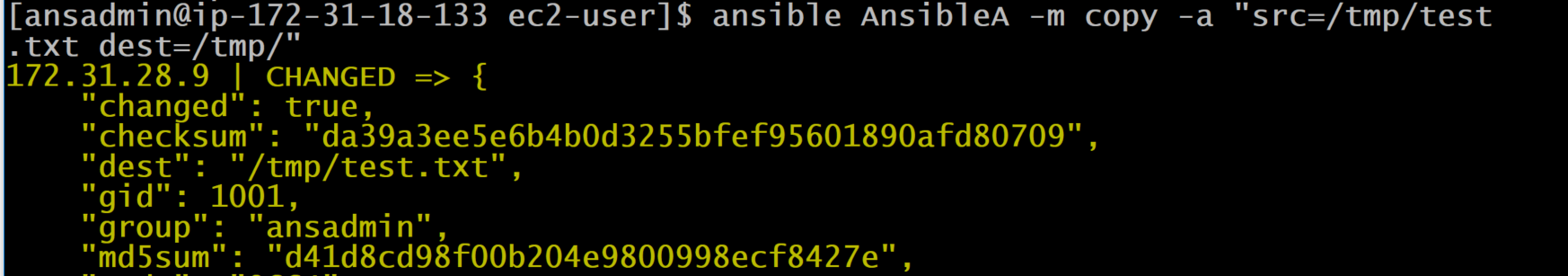
ansible AnsibleS -b -m service -a "name=httpd state=started"

1. How to start httpd package on AnsbileA

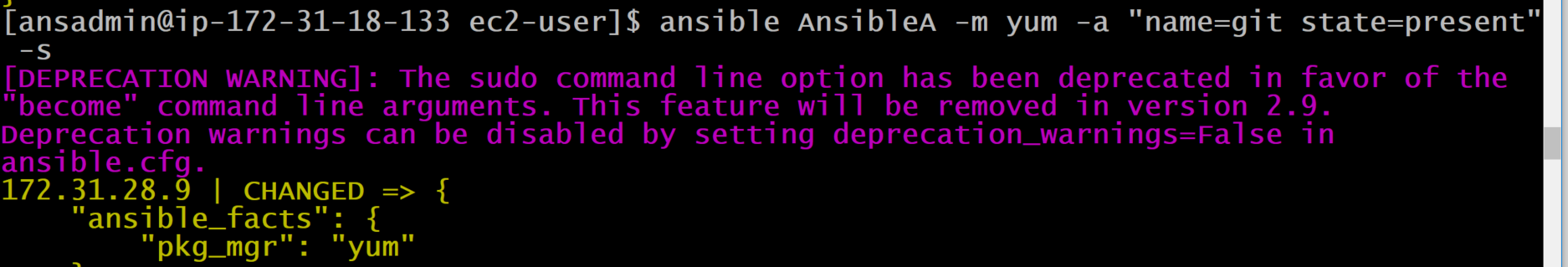
ansible AnsibleA -b -m service -a "name=httpd state=stopped"



ansible AnsibleS -m copy -a "src=/tmp/test .txt dest=/tmp/"



ansible AnsibleA -m yum -a "name=git state=present" -b



ansible AnsibleA -m git -a "repo=https://github.com/satyam88/kb8-cluster.git dest=/tmp/mmp version=HEAD"

