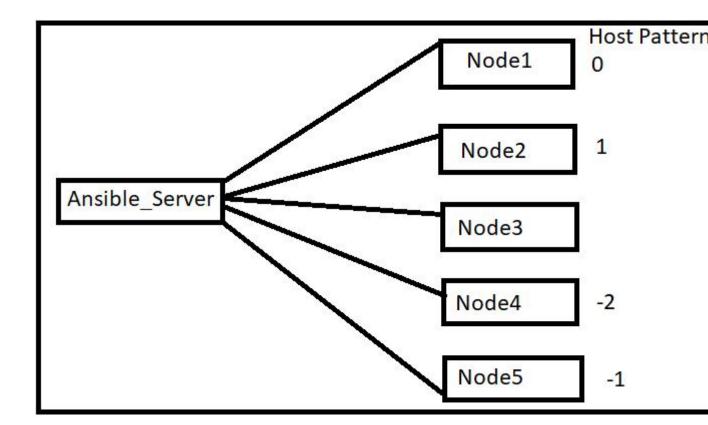
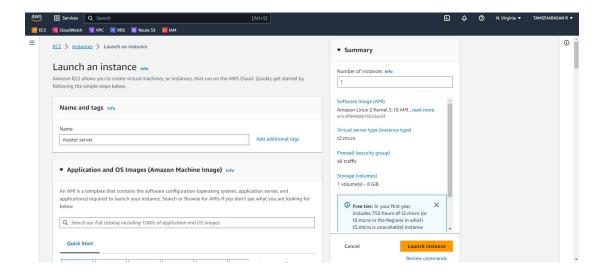
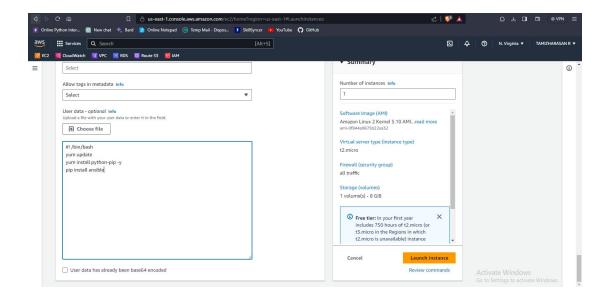
Configuring Ansible on a Master Server with Five Slave Servers: Installation and Setup Guide:



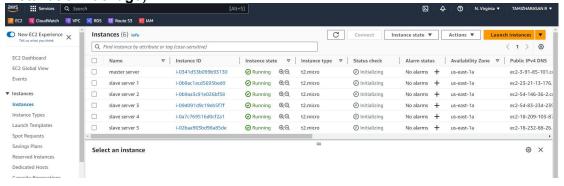
Launch an instance for Ansible Master Server



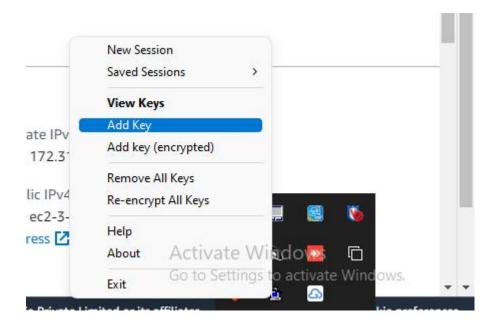
Add Bash script in Userdata for installing python and ansible using PIP(Python Installation Package

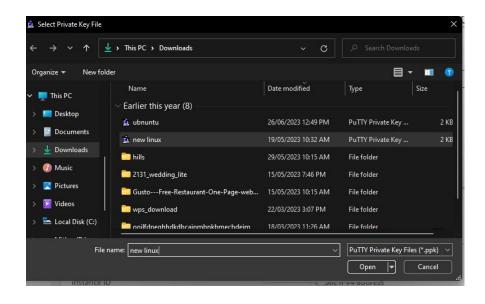


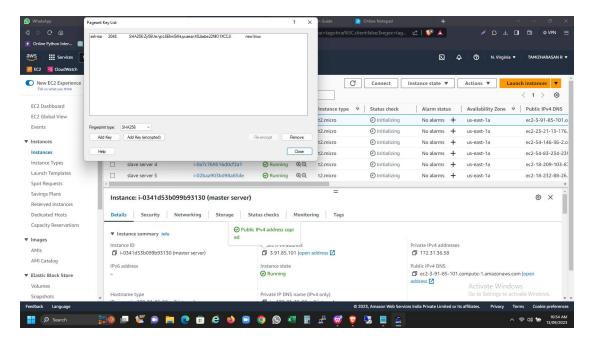
Launch Server for Slaves Add Bash script in Userdata for installing python using PIP(Python InstallationPackage)



click pageant click>add key

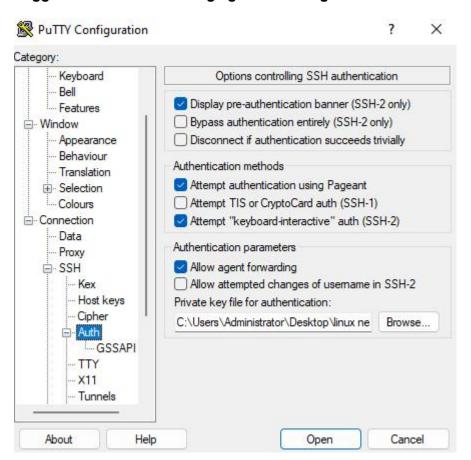






Open putty

hostname = <public ip of master>
enable = allow agent forwarding >> open
Logged into the server using agentforwading method



Ansible version check Python version check

```
[ec2-user@ip-172-31-36-58 ~]$ ansible --version
[DEPRECATION WARNING]: Ansible will require Python 3.8 or newer on the
controller starting with Ansible 2.12. Current version: 2.7.18 (default, Feb 28
2023, 02:51:06) [GCC 7.3.1 20180712 (Red Hat 7.3.1-15)]. This feature will be
removed from ansible-core in version 2.12. Deprecation warnings can be disabled
by setting deprecation_warnings=False in ansible.cfg.
ansible [core 2.11.12]
 config file = None
  configured module search path = [u'/home/ec2-user/.ansible/plugins/modules', u
'/usr/share/ansible/plugins/modules']
  ansible python module location = /usr/lib/python2.7/site-packages/ansible
  ansible collection location = /home/ec2-user/.ansible/collections:/usr/share/a
nsible/collections
 executable location = /usr/bin/ansible
 python version = 2.7.18 (default, Feb 28 2023, 02:51:06) [GCC 7.3.1 20180712 (
Red Hat 7.3.1-15)1
 jinja version = 2.7.2
  libyaml = True
[ec2-user@ip-172-31-36-58 \sim]$ python --version
Python 2.7.18
[ec2-user@ip-172-31-36-58 ~]$
```

wget <download link of ansible.cfg file>

```
[ec2-user@ip-172-31-36-58 ~]$ wget https://raw.githubusercontent.com/ansible/ans
ible/stable-2.11/examples/ansible.cfg
--2023-09-13 05:31:27-- https://raw.githubusercontent.com/ansible/ansible/stabl
e-2.11/examples/ansible.cfg
Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 185.199.111.1
33, 185.199.108.133, 185.199.109.133, ...
Connecting to raw.githubusercontent.com (raw.githubusercontent.com) | 185.199.111.
133|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 20353 (20K) [text/plain]
Saving to: 'ansible.cfg'
100%[======>] 20,353
                                                       --.-K/s in 0s
2023-09-13 05:31:27 (86.1 MB/s) - 'ansible.cfg' saved [20353/20353]
[ec2-user@ip-172-31-36-58 ~]$
[ec2-user@ip-172-31-36-58 ~]$
```

vi tamizh.txt (create an txt file for adding slaves) Enter the private ip of hosts >> :wq!

ec2-user@ip-172-31-36-58:∼

[ec2-user@ip-172-31-36-58 ~]\$ vi tamizh.txt

```
## cc2-user@ip-172-31-36-58-

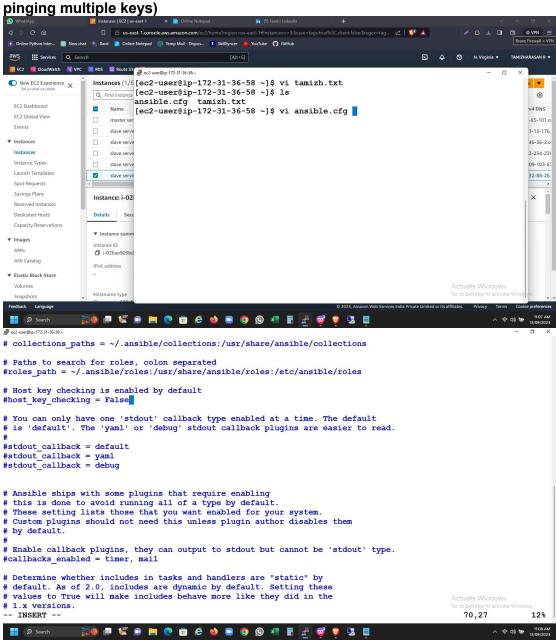
172.31.47.248
172.31.32.135
172.31.46.2
172.31.46.2
172.31.47.222

Activate Window
-- INSERT --

6,14 for to Settings to active
```

```
@ ec2-user@ip-172-31-36-58~
[ec2-user@ip-172-31-36-58 ~]$ vi tamizh.txt
[ec2-user@ip-172-31-36-58 ~]$ ls
ansible.cfg tamizh.txt
[ec2-user@ip-172-31-36-58 ~]$
```

vi ansible.cfg (uncomment >> host_key_checking = false >> for



ansible all -i tamizh.txt -m ping (command used for pinging servers in tamizh.txt

```
but future installation of another Python interpreter could change the meaning of that path. See
https://docs.ansible.com/ansible-core/2.11/reference_appendices/interpreter_discovery.html for more information.
172.31.32.135 | SUCCESS => {
     "ansible_facts": {
           "discovered_interpreter_python": "/usr/bin/python"
      "changed": false,
     "ping": "pong"
[WARNING]: Platform linux on host 172.31.47.222 is using the discovered Python interpreter at /usr/bin/python, but future installation of another Python interpreter could change the meaning of that path. See
https://docs.ansible.com/ansible-core/2.11/reference_appendices/interpreter_discovery.html for more information.
172.31.47.222 | SUCCESS => {
     "ansible_facts": {
           "discovered interpreter python": "/usr/bin/python"
      "changed": false,
     "ping": "pong"
[WARNING]: Platform linux on host 172.31.37.162 is using the discovered Python interpreter at /usr/bin/python, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.11/reference_appendices/interpreter_discovery.html for more information.
172.31.37.162 | SUCCESS => {
     "ansible facts": {
    "discovered_interpreter_python": "/usr/bin/python"
      "changed": false,
     "ping": "pong"
■ ② Search □ ◎ □ 📽 📵 🛅 🙋 🗃 🗲 🔞 😡 ③ № 🗷 🖩 🛂 💞 🦁 🗒
                                                                                                                                        へ 令 幼 🍅 3:13
13/09/2
```

ansible all -i text.txt -m yum -a "name=httpd state=present" -b (installing httpd in slaves)

(i - inventory file

m - module

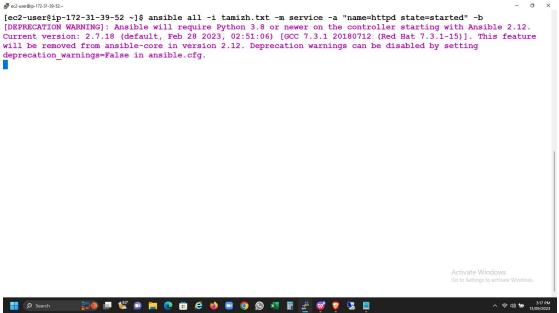
a - passing arguments

```
@ e2-user@ip-172-31-39-52 ~]$

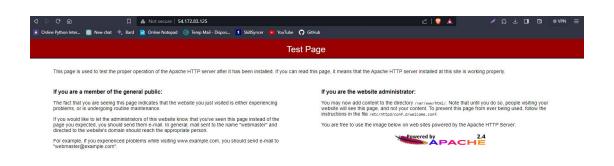
[ec2-user@ip-172-31-39-52 ~]$

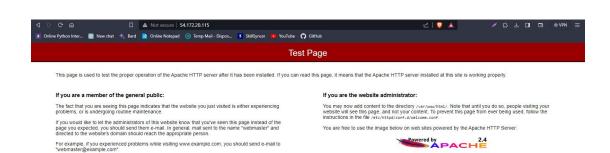
[ec2-user@ip-172-31-39-52 ~]$

[ec2-user@ip-172-31-39-52 ~]$ ansible all -i tamizh.txt -m yum -a "name=httpd state=present" -b
```



ansibe all -i tamizh.txt -m service -a "name=httpd state=started" -b (for starting httpd service) <public ip :80>





```
Grouping slave ips >> vi tamizh.txt
Step 13 : [<groupname>] --> below enter the slaves
private ip which you want to group >> :wq!
ec2-user@ip-172-31-39-52:~
group1
172.31.32.135
172.31.37.162
group2
172.31.46.2
172.31.47.248
172.31.47.222
gansible group1 -I tamizh.txt -m ping
ansible group2 -I tamizh.txt -m pin
ansible all -i tamizh.txt -m yum -a "name=httpd state=present" -b
ansible all -i tamizh.txt -m service -a "name=httpd state=started" -b
ansible all -i tamizh.txt -m ping
ansible all -i tamizh.txt -a "date"
ansible all -itamizh.txts -a "yum install mysql -y"
ansible all -i tamizh.txt --module-name copy --args "src=/home/ec2-user/test dest=/tmp" -b
```

By TAMIZHARASAN R Tamizh2rv@gmail.com