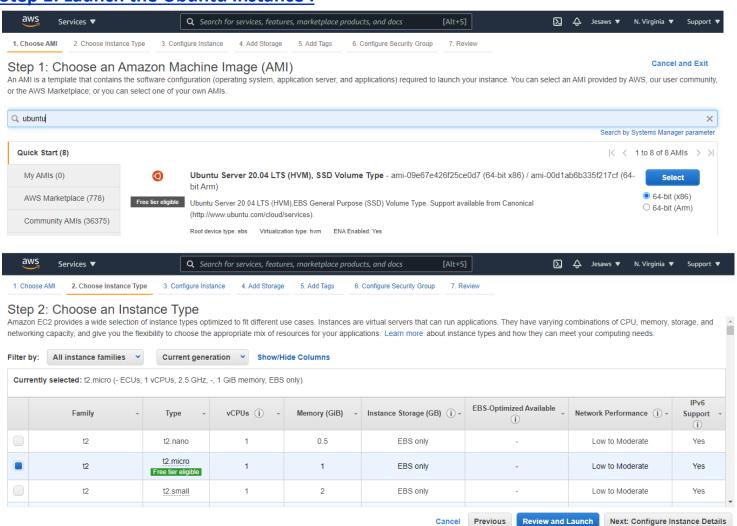
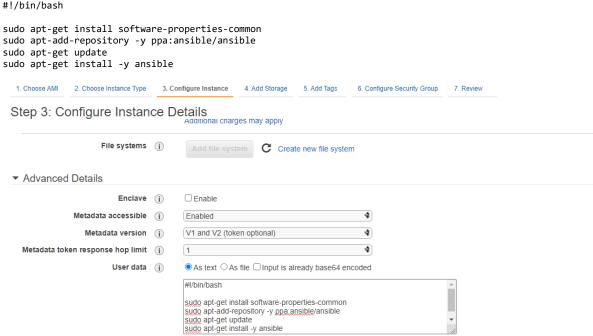
TASK - ANSIBLE IN UBUNTU INSTALLATION

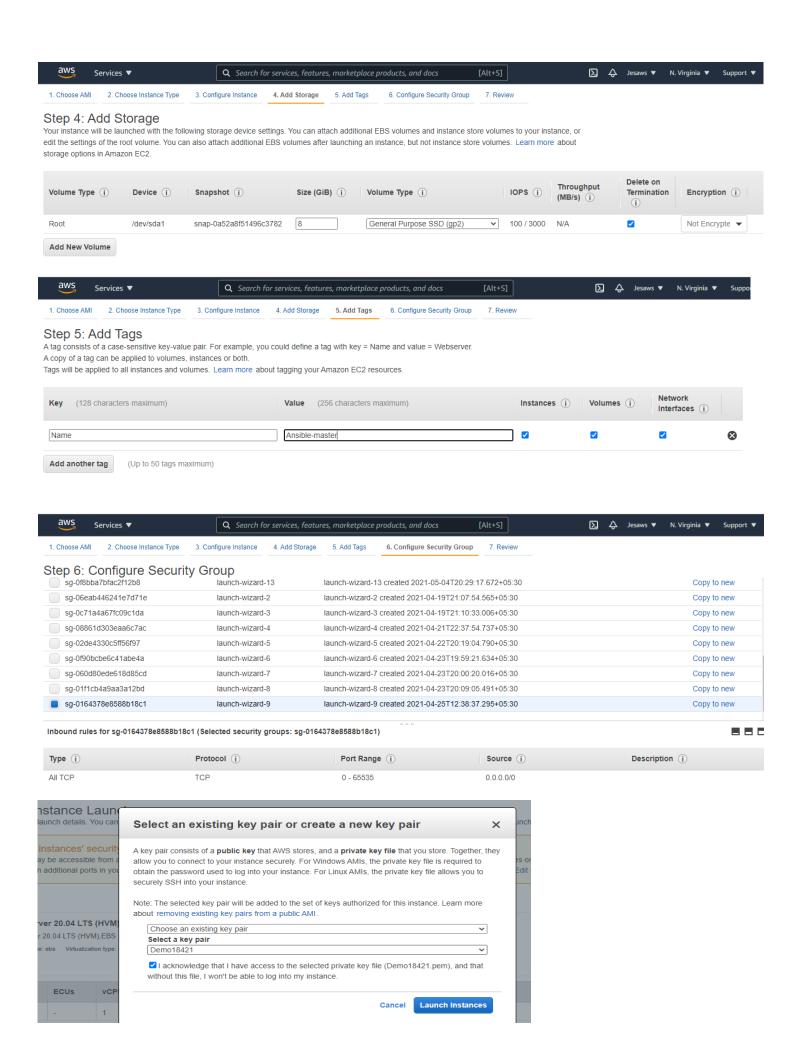
Step 1: Launch the Ubuntu instance:

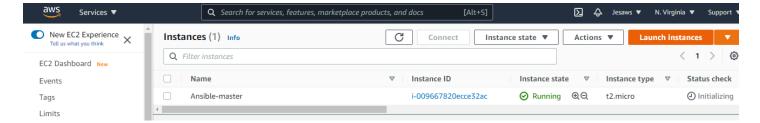


Step 2: User data:

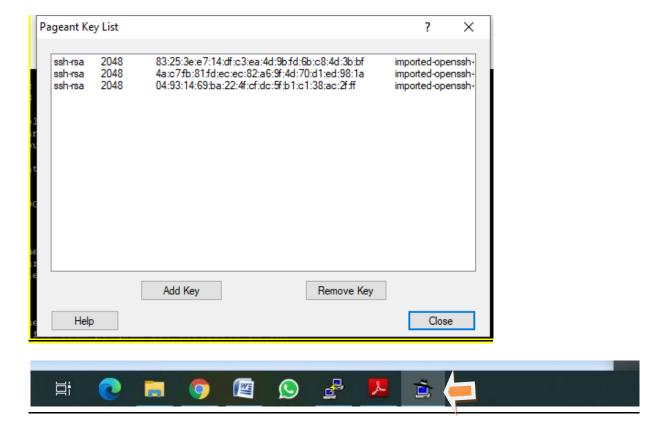
#!/bin/bash



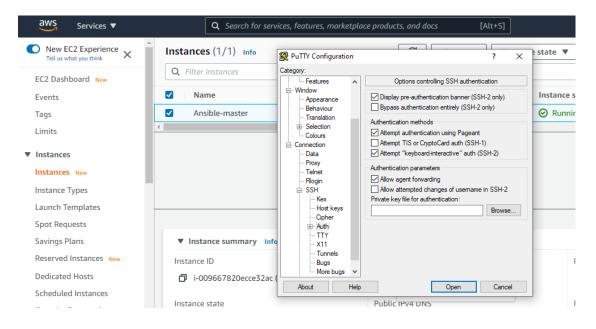




Step 3: Download Pageagent and load your ppk file.



Using right click add the ppk file in the Pageagent:



Step 4: In putty ssh session enable allow agent forwarding option- Otherwise while connecting to node instance you will get permission denied error Logon to ubuntu

```
Authenticating with public key "imported-openssh-key" from agent Welcome to Ubuntu 20.04.2 LTS (GNU/Linux 5.4.0-1045-aws x86_64)
 * Documentation: https://help.ubuntu.com
                     https://landscape.canonical.com
                     https://ubuntu.com/advantage
 System information as of Sat May 8 16:16:08 UTC 2021
 System load: 0.0
Usage of /: 20.7% of 7.69GB
                                     Users logged in:
                                      IPv4 address for eth0: 172.31.30.185
 Swap usage:
16 updates can be applied immediately.
7 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable
The programs included with the Ubuntu system are free software;
    exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
To run a command as administrator (user "root"), use "sudo <command>". See "man sudo_root" for details.
ubuntu@ip-172-31-30-185:~$
```

Step 5: Ansible adhoc command: Practice the command below with ubuntu user and not with root user

```
ubuntu@ip-172-31-30-185:~$ ansible --version
ansible 2.9.6
config file = /etc/ansible/ansible.cfg
configured module search path = ['/home/ubuntu/.ansible/plugins/modules', '/usr/share/ansible/plugins/modules']
ansible python module location = /usr/lib/python3/dist-packages/ansible
executable location = /usr/bin/ansible
python version = 3.8.5 (default, Jan 27 2021, 15:41:15) [GCC 9.3.0]
ubuntu@ip-172-31-30-185-~S
```

Step 6: Create one text file for e.g. slaves.txt and add node instance private IP

```
ubuntu@ip-172-31-30-185:~$ vi slaves.txt ubuntu@ip-172-31-30-185:~$ 

# ubuntu@ip-172-31-30-185:~
172.31.53.16
```

Step 7: Default creation of ansible.cfg file and u can get it from

```
ubuntu@ip-172-31-30-185:/etc/ansible$ ls -lrta
total 32
-rw-r--r-- 1 root root 982 Dec 18 2018 hosts
-rw-r--r-- 1 root root 19985 Mar 5 2020 ansible.cfg
drwxr-xr-x 93 root root 4096 May 8 16:09 ..
drwxr-xr-x 2 root root 4096 May 8 16:09 .
ubuntu@ip-172-31-30-185:/etc/ansible$ vi hosts
ubuntu@ip-172-31-30-185:/etc/ansible$ vi ansible.cfg
ubuntu@ip-172-31-30-185:/etc/ansible$
```

Step 8: Vi ansible.cfg

ubuntu@ip-172-31-30-185:~\$ vi ansible.cfg

```
# option lets you increase or decrease that
# timeout to something more suitable for the
# environment.
# gather_timeout = 10

# Ansible facts are available inside the ansible_facts.* dictionary
# namespace. This setting maintains the behaviour which was the default prior
# to 2.5, duplicating these variables into the main namespace, each with a
# prefix of 'ansible_'.
# This variable is set to True by default for backwards compatibility. It
# will be changed to a default of 'False' in a future release.
# ansible_facts.
# inject_facts_as_vars = True
# additional paths to search for roles in, colon separated
# roles_path = /etc/ansible/roles
# uncomment this to disable SSH key host checking
host_key_checking = False
# change the default callback, you can only have one 'stdout' type enabled at a time.
# stdout_callback = skippy
```

Step 9: ansible all -i slaves.txt -m ping

```
ubuntu@ip-172-31-30-185:~$ ansible all -i "slaves.txt" -m ping
172.31.53.168 | SUCCESS => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python3"
    },
    "changed": false,
    "ping": "pong"
}
ubuntu@ip-172-31-30-185:~$
```