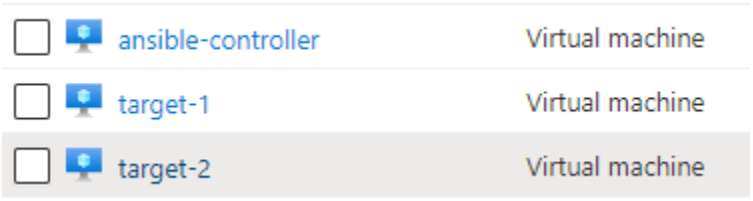
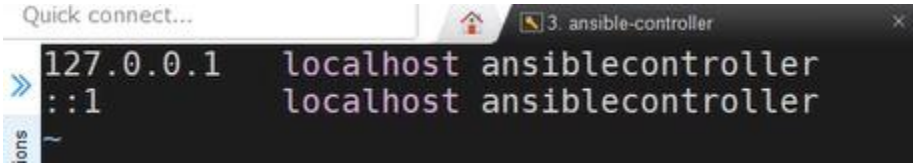
First get 3 Linus vms , 1 – ansible-controller and other 2 , ansible-target1 .



Extablish ssh connection between both vms . – we have allowed 22 ports from internet .
We can rename the hosts .
/etc/hostname – enter the name you want to give to your vm – for controller – ansible-controller .
For target – ansible target .
/etc/hosts – modify as below .



Do same for target .
Restart system now .
shutdown now -r

Now install ansible in controller .
sudo yum install ansible

```
$ sudo apt install ansible
```

since our vm is ubuntu .

ansible - -version

```
appadmin@ansible-controller:~$ ansible --version
ansible 2.9.6
  config file = /etc/ansible/ansible.cfg
  configured module search path = ['/home/appadmin/.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 = 3.8.10 (default, Nov 14 2022, 12:59:47) [GCC 9.4.0]
appadmin@ansible-controller:~$
```

Ansible installed .

Do ssh and check whether ssh happen between both server or not .

Create inventory file in ansible controller .
mkdir test-project
cd test-project
cat > inventory.txt
target1 ansible_host=ip_of_host ansible_ssh_pass=password
ansible_host. **The name of the host to connect to .**
ansible_ssh_pass – to specify password .
Now lets do ping test from host to target using ansible .
ansible target1 -m ping -i inventory.txt #[-m module_name]

```
appadmin@ansible-controller:~/test-project$ cat > inventory.txt
target1 ansible_host=20.172.137.153 ansible_ssh_pass=password@12345
^C
appadmin@ansible-controller:~/test-project$ cat inventory.txt
target1 ansible_host=20.172.137.153 ansible_ssh_pass=password@12345
appadmin@ansible-controller:~/test-project$ ansible target1 -m ping -i inventory.txt
target1 | FAILED! => {
    "msg": "to use the 'ssh' connection type with passwords, you must install the sshpass program"
}
appadmin@ansible-controller:~/test-project$ sudo apt install sshpass
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following NEW packages will be installed:
  sshpass
```

It gave error do installed sshpass .

```
appadmin@ansible-controller:~/test-project$ ansible target1 -m ping -i inventory.txt
target1 | FAILED! => {
    "msg": "Using a SSH password instead of a key is not possible because Host Key checking is enabled and sshpass does not support this.  Please add this host's fin
gerprint to your known_hosts file to manage this host."
}
```

It give fingerprint error so do ssh to target host once .

If it gives success then connection is made.

```
appadmin@ansible-controller:~/test-project$ ansible target1 -m ping -i inventory.txt
target1 | SUCCESS => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python3"
    },
    "changed": false,
    "ping": "pong"
}
appadmin@ansible-controller:~/test-project$
```

Now get second ansible-target2 , Now do above steps for target2 .

If we don't do ssh to target before doing anible ping then keyprint will not be added to known_hosts and we have to manually add it . Either we can do manual ssh or we can disable host key checking in ansible controller but this is not recommended .

```
appadmin@ansible-controller:~/test-project$ ansible target2 -m ping -i inventory.txt
target2 | SUCCESS => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python3"
    },
    "changed": false,
    "ping": "pong"
}
appadmin@ansible-controller:~/test-project$ cat inventory.txt
target1 ansible_host=20.172.137.153 ansible_ssh_pass=password@12345
target2 ansible_host=172.174.93.205 ansible_ssh_pass=password@12345
appadmin@ansible-controller:~/test-project$
```

vi /etc/ansible/ansible.cfg - uncomment host_key_checking

```
appadmin@ansible-controller:/etc/ansible$ cat ansible.cfg  | grep host_key_checking
#host_key_checking = False
appadmin@ansible-controller:/etc/ansible$
```

This is used to secure host key checking .