#### Homework

I- One ansible controller(Ubuntu) and four clients (2 linux and 2 ubuntu) set up

## 1- Screenshot of the keypair generated for unbuntu-host1 and ubuntu-host2

```
oot@ubuntu-host1:~/ cd .ssh
oot@ubuntu-host1:~/.ssh# ll
otal 12
irux----- 2 root root 4096 Jul 30 18:59 ./
irux----- 2 root root 4096 Jul 30 18:59 ./
irux----- 1 root root 556 Jul 30 18:59 ./
irux----- 1 root root 556 Jul 30 18:59 ./
irux----- 1 root root 556 Jul 30 18:59 authorized_keys
oot@ubuntu-host1:~/.ssh#
oot@ubuntu-host1:-/.ssh# cat authorized_keys
o-port-forwarding,no-agent-forwarding,no-X11-forwarding,command="echo 'Please login as the user \"ubuntu\" rather than the user \"root\".';echo;sleep 10;exit
142" ssh-rsa AAAABSXAC1yc2EAAAADAQABAAABAQCINDJwI3edZ9yPWQSYw4+aZCMa4zYTxUQsQExBuZuaFuD4dhJWDaK104EC0HgyYSgncypp5qYvYFeUlJ8Ts0HDBdwruMgsAwKao1J0ZlDTsDCsC3rb
Ppss6e+Lz8114ajJn8i683gyUILFXZ31670r97aY03HkBIKBwHEQ2XGMXcTtD9lrJkiNVFmLftZdc4gSDBsgNtpzIulaUkftMZJ+4DWNIR4Rk99KSagBcSGMkOmpa1UqUaFwJL2XLy2sjKgfTgKsbe/hJ6PvE
njRFFbWMUMJ9lerl9ircPNqtjgJ/wii/hlhyLTUGVJZR3fKpYcqmd1MufnYdbR+7cQEwj ubuntu-key
oot@ubuntu-host1:~/.ssh# vi authorized_keys
oot@ubuntu-host1:~/.ssh# vi authorized_keys
```

```
root@ubuntu-host2:~#.cd .ssh
root@ubuntu-host2:~/.ssh# ll
total 12
drwx----- 2 root root 4096 Jul 30 18:58 ./
drwx----- 2 root root 4096 Jul 30 18:58 ./
drwx----- 1 root root 565 Jul 30 18:58 ../
------ 1 root root 556 Jul 30 18:58 authorized_keys
root@ubuntu-host2:~/.ssh# cat authorized keys
root@ubuntu-host2:~/.ssh# cat authorized keys
no-port-forwarding,no-agent-forwarding,no-X11-forwarding,command="echo 'Please login as the user \"ubuntu\" rather than the user \"root\".';echo;sleep 10;exit
142" ssh-rsa AAAABSNzaclyc2EAAAADAQABAAABAQCINDJwI3ed29yPWDSYw4+aZCMa4zYTxUQsQExBuZuaFuD4dhJWDaK104ECOHgyYSgncvpp5qYvVFeUlJ8Ts0HDBdwruMgsAwKao1J02lDTsDcsC3rb
JPpss6e+Lz8114ajJn8i683gyUILFX231G70r97aY03HkBIK8wHEQZKGMXcTtD9lrJkiNVFmLftZdc4g50BsgNtpzIulaUkftMZJ+4DWNIR4Rk99KSagBcSGMkOmpa1UqUaFwJLZXLy2sjKgfTgKsbe/hJ6PvE
nnjRFFbWMWT9ler10ircvii/hlhtYLTUGVZR3fKpYcqmd1MufnYdbR+7cQEwj ubuntu-key
root@ubuntu-host2:~/.ssh# vi authorized_keys
root@ubuntu-host2:~/.ssh#
```

### 2- Screenshot of the keypair generated for linux-host1 and linux-host2

```
[root@linux-host1 ~]# cd .ssh
[root@linux-host1 .ssh]# ll
total 4
total 7
total 7
total 8
total 9
tot
```

```
root@linux-host2 ~]# cd .ssh
root@linux-host2 .ssh]# ll
otal 4
rw------ 1 root root 548 Jul 30 19:07 authorized_keys
root@linux-host2 .ssh]# cat authorized_keys
root@linux-host2 .ssh]# cat authorized_keys
root@linux-host2 .ssh]# cat authorized_keys
root@linux-host2 .ssh]# cat authorized_keys
o-port-forwarding,no-agent-forwarding,no-X11-forwarding,command="echo 'Please login as the user \"ec2-user\" rather than the user \"root\".';echo;sleep 10" s
h-rsa AAAABSNzaciyc2EAAAABAQABAABAQCpfoVwg+YM6KOvr4XOxKGnZleaxPnL88WVy7svhh1g1lNl1DHLtubxKpfc9opxQKVOxGBE6t008MvG7Yk9qep8Bi3TAuNDH-BrfYVQhi1FkB2J-HHJZkyTySrM
ZEROMYPGixkUHLHIZdYPy-frmIZxwqx71Adw+tt/y0,lELfYNYCECXJTUK7dMDpv+t/jxduPJ3Yxt1rCMUv+Y/z7cgYLkdeBMr4IdulD3Qu6SG2varYltGvCk13ZtMYZJUYoZ6B6ABYDxJc0DOrtyIwONfjE2mOYY
aEXAbkXt7/zymi+bqdloasTymmMbv5dDybNoX3twUTGRCkj0WfrqFF48u7iNyh linux-key
root@linux-host2 .ssh]# [

root@linux-hos
```

3- Screenshot inventory on the controller (Ubuntu-controller)

```
2. 54.173.238.4 (ubuntu)
                              3. 44.202.128.243 (ubuntu)
                                                        4. 34.205.139.173 (ubuntu
[root@linux-host2 ~]# exit
logout
Connection to 10.0.1.183 closed.
root@ubuntu-controller:/etc/ansible# cat hosts
# This is the default ansible 'hosts' file.
# It should live in /etc/ansible/hosts
    - Comments begin with the '#' character
   - Blank lines are ignored
    - Groups of hosts are delimited by [header] elements
    - You can enter hostnames or ip addresses
    - A hostname/ip can be a member of multiple groups
# Ex 1: Ungrouped hosts, specify before any group headers:
## green.example.com
## blue.example.com
## 192.168.100.1
## 192.168.100.10
# Ex 2: A collection of hosts belonging to the 'webservers' group:
 [ubuntu-hosts]
10.0.3.234
10.0.13.108
 [linux-hosts]
10.0.10.85
10.0.1.183
## 192.168.1.100
## 192.168.1.110
```

II- Screenshot of all the hosts successfully pinged by the controller(Ubuntu-controller) using ad-hoc cmd PING

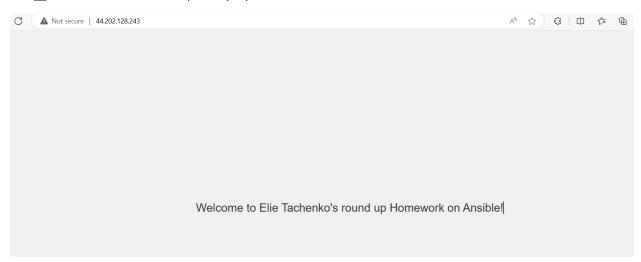
```
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#### III- Screenshot of both the controller and hosts of the playbook with the 3 phases

# 1- Result of the Controller running the play book

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```

2- Screenshot of the output of play1 on all Ubuntu-hosts



3- Screenshot of the output of play2 on all Ubuntu-hosts

```
13. 54.173.238.4 (ubuntu)

root@ubuntu-host1:~# git --version
git version 2.43.0
root@ubuntu-host1:~#
```