

My LAB

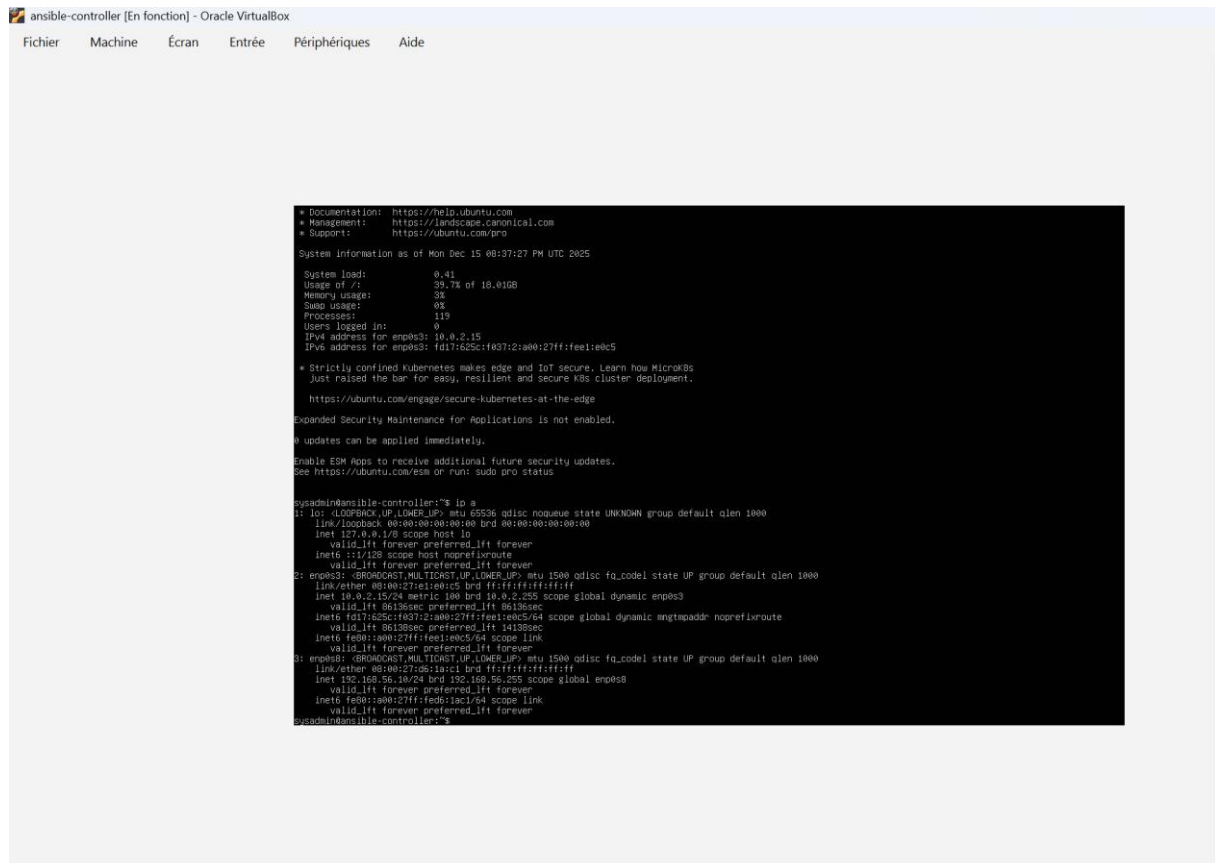
3 Machines

Machine 1 : ansible-controller => 192.168.56.10

Machine 2 : manage-node1 : => 192.168.56.12

Machine 3 : manage-node1 => 192.168.56.10

ansible-controller => command : ip a



```
ansible-controller [En fonction] - Oracle VirtualBox
Fichier  Machine  Écran  Entrée  Périphériques  Aide

* Documentation: https://help.ubuntu.com
* Management:   https://landscape.canonical.com
* Support:      https://ubuntu.com/pro

System information as of Mon Dec 15 08:37:27 PM UTC 2025

System load:          0.41
Usage of /:            39.7% of 18.01GB
Memory usage:         3%
Swap usage:           0%
Processes:            119
Users logged in:      0
IPv4 address for enp0s3: 10.0.2.15
IPv6 address for enp0s3: fd17:b25c:f837:2:a00:27ff:fee1:e6c5

* Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s
  just raised the bar for easy, resilient and secure K8s cluster deployment.
  https://ubuntu.com/engage/secure-kubernetes-at-the-edge

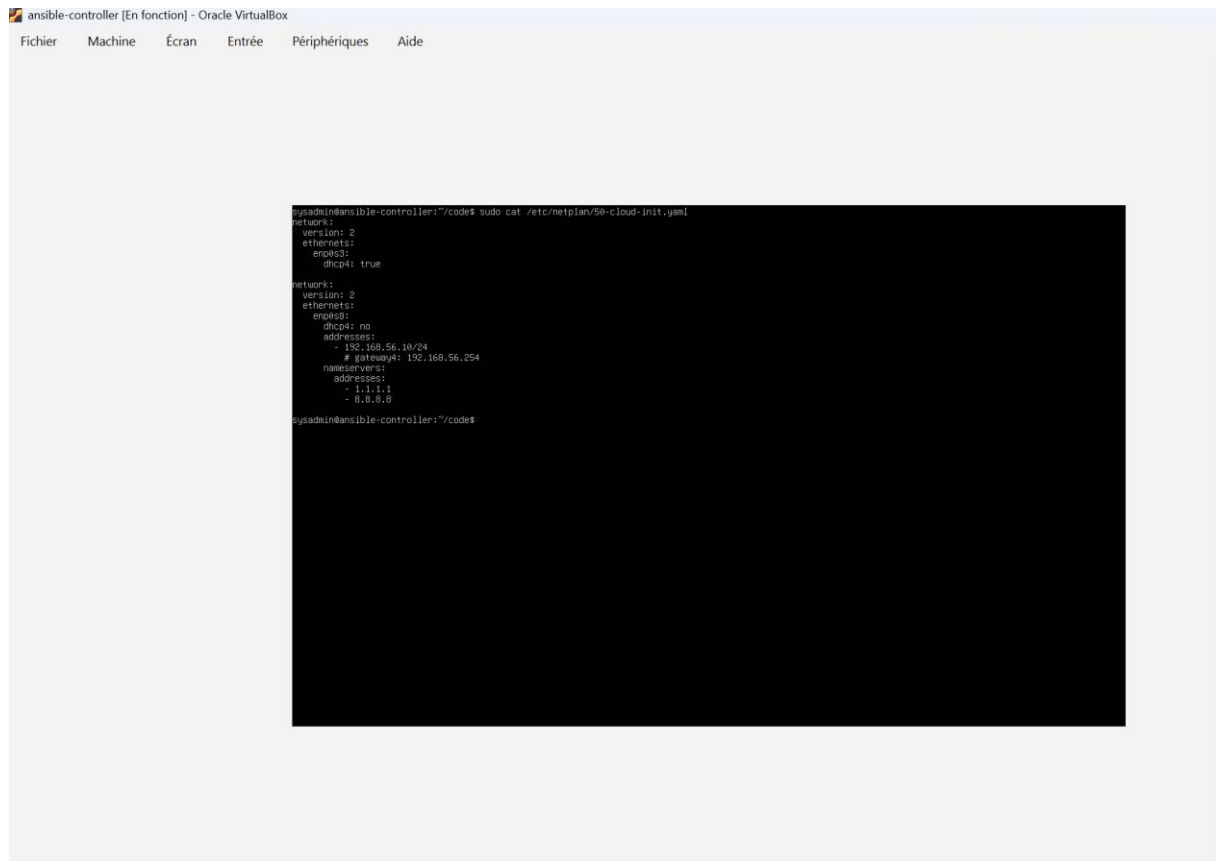
Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

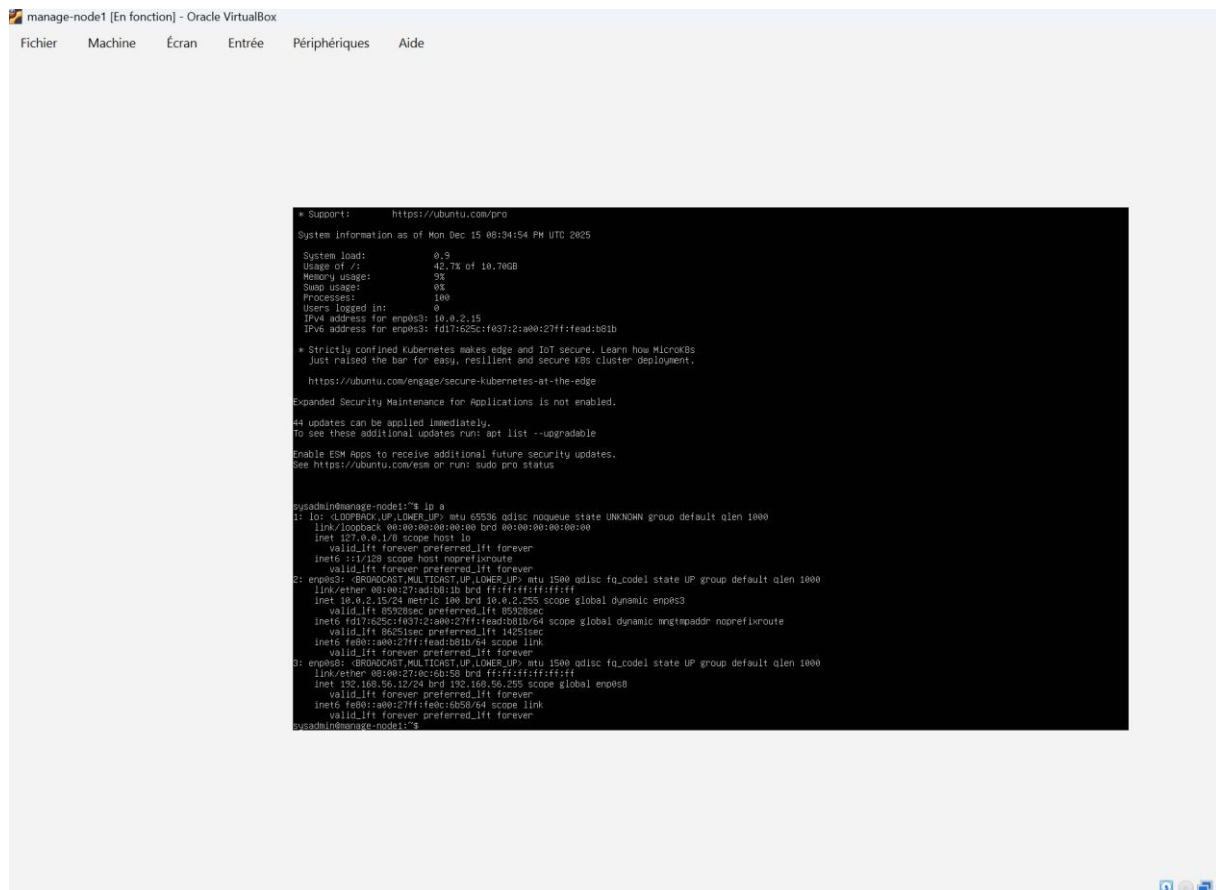
Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

sysadmin@ansible-controller:~$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
        valid_lft forever preferred_lft forever
2: enp0s3: <BRIDGE,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:05:1a:c1 brd ff:ff:ff:ff:ff:ff
    inet 10.0.2.15/24 metric 100 brd 10.0.2.255 scope global dynamic enp0s3
        valid_lft 86136sec preferred_lft 86136sec
    inet6 fd17:b25c:f837:2:a00:27ff:fee1:e6c5/64 scope global dynamic mngtaddr noprefixroute
        valid_lft 86136sec preferred_lft 14138sec
    inet6 fe80::a00:27ff:fee1:e6c5/64 scope link
        valid_lft forever preferred_lft forever
3: enp0s8: <BRIDGE,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:05:1a:c1 brd ff:ff:ff:ff:ff:ff
    inet 192.168.56.10/24 brd 192.168.56.255 scope global enp0s8
        valid_lft forever preferred_lft forever
    inet6 fe80::a00:27ff:fee1:e6c5/64 scope link
        valid_lft forever preferred_lft forever
sysadmin@ansible-controller:~$
```

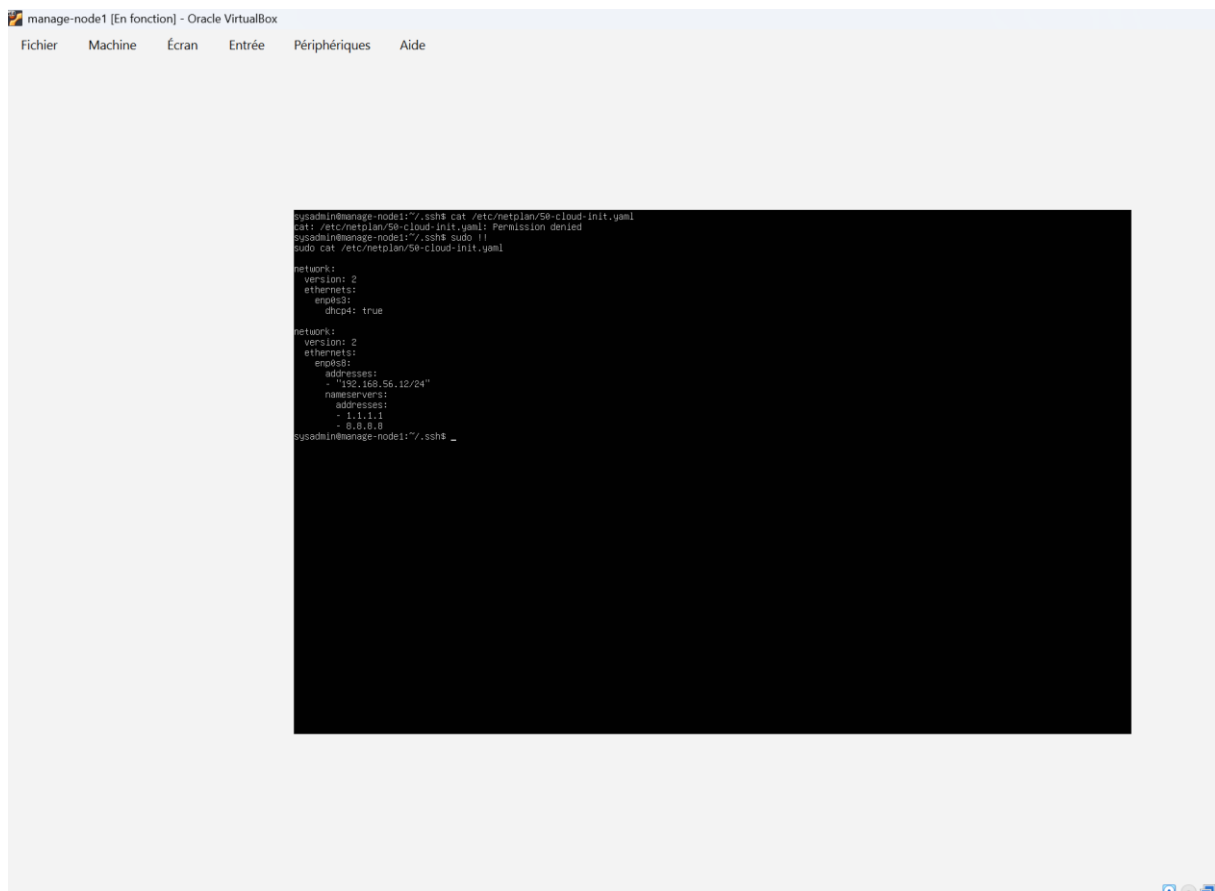
File /etc/netplan/50*



manage-node1 => command : ip a



File /etc/netplan/50*

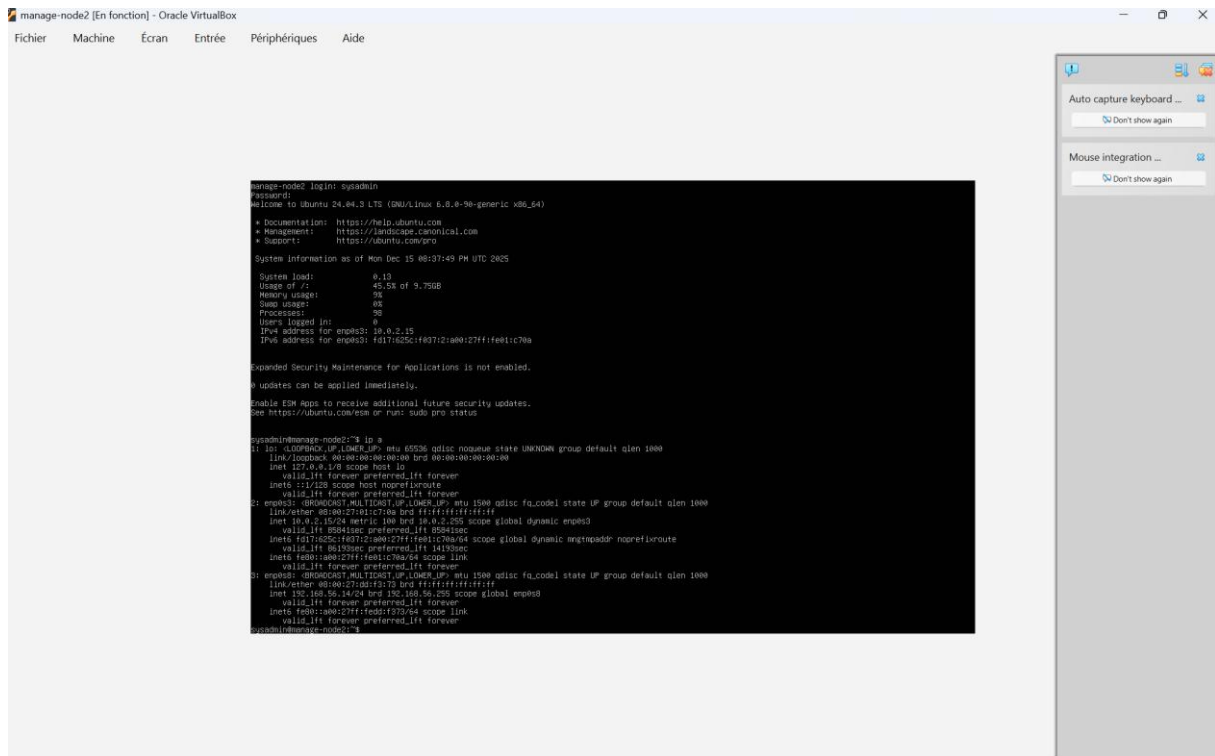


```
busadmin@manage-node1:~/ssh$ cat /etc/netplan/50-cloud-init.yaml
cat: /etc/netplan/50-cloud-init.yaml: Permission denied
busadmin@manage-node1:~/ssh$ sudo !!
sudo cat /etc/netplan/50-cloud-init.yaml

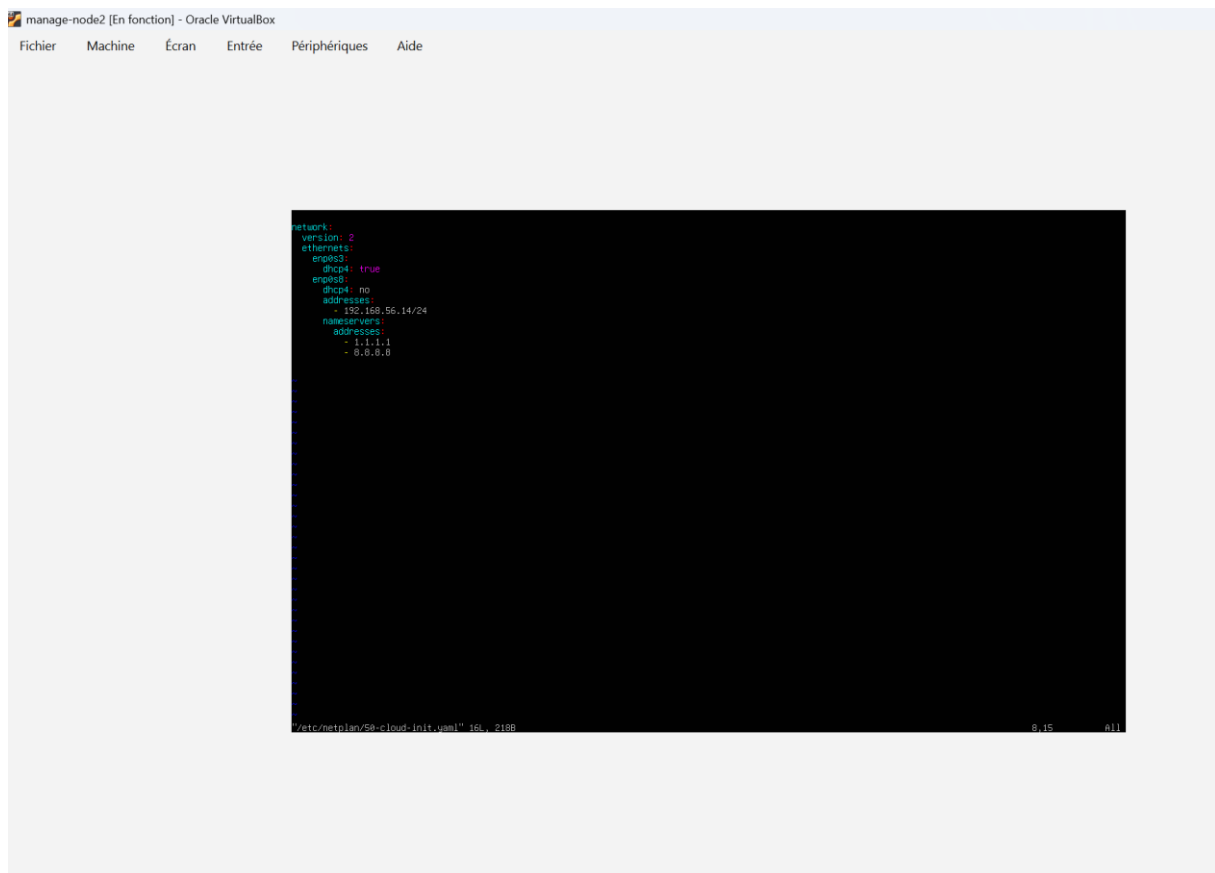
network:
  version: 2
  ethernet:
    enp0s3:
      dhcp4: true

network:
  version: 2
  ethernet:
    enp0s3:
      addresses:
        - "192.168.56.12/24"
      nameservers:
        addresses:
          - 1.1.1.1
          - 8.8.8.8
busadmin@manage-node1:~/ssh$ _
```

manage-node2 => command : ip a



File /etc/netplan/50*

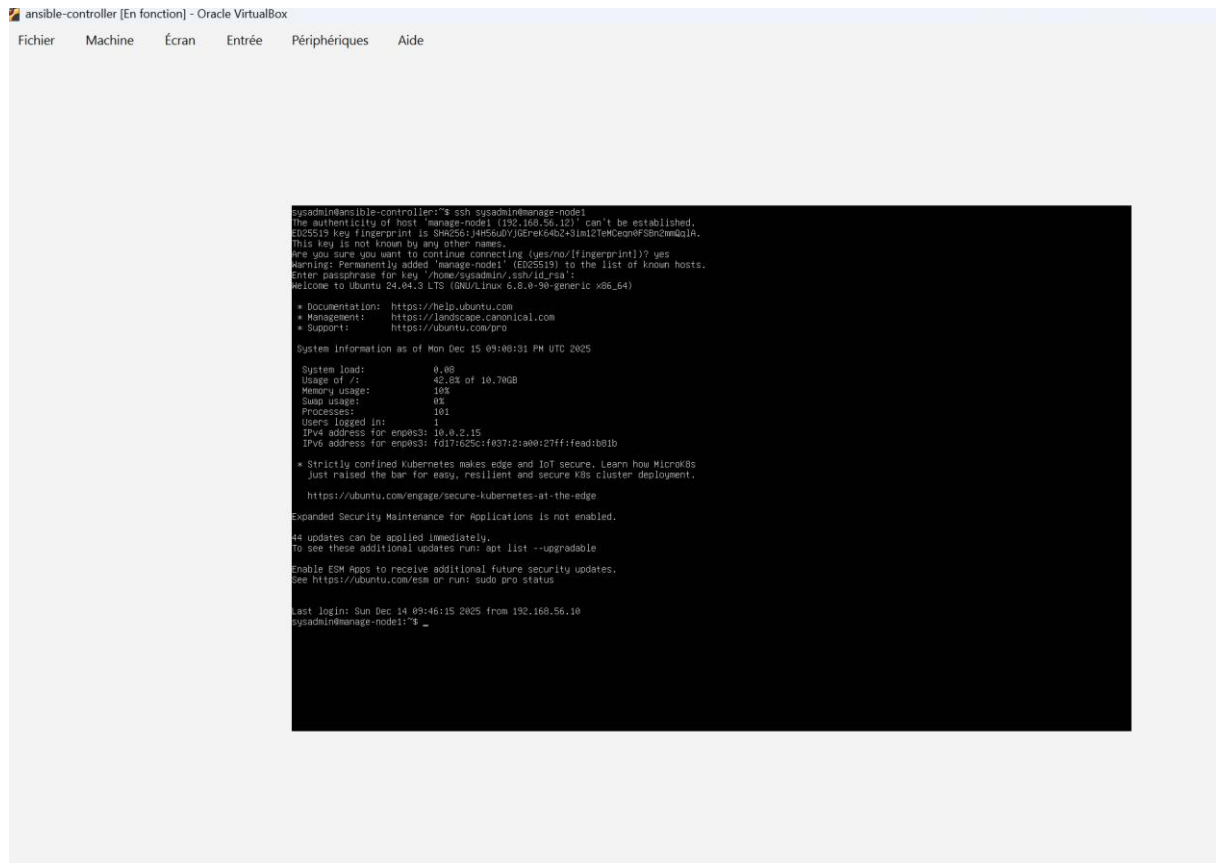


Ping from ansible-controller to manage-node1 and manage-node2

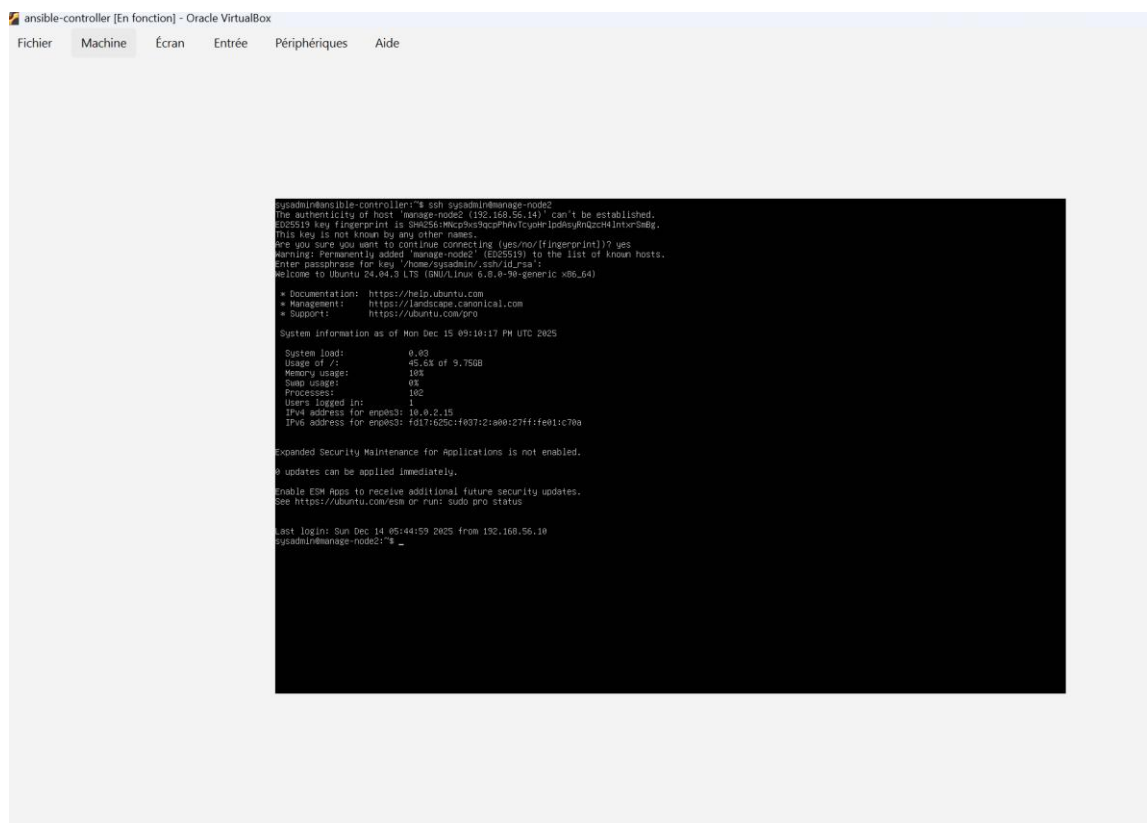
```
Fichier  Machine  Écran  Entrée  Périphériques  Aide

sysadmin@ansible-controller:~$ ping manage-node1
PING manage-node1 (192.168.56.12) 56(84) bytes of data:
64 bytes from manage-node1 (192.168.56.12): icmp_seq=1 ttl=64 time=2.30 ms
64 bytes from manage-node1 (192.168.56.12): icmp_seq=2 ttl=64 time=2.01 ms
64 bytes from manage-node1 (192.168.56.12): icmp_seq=3 ttl=64 time=1.97 ms
64 bytes from manage-node1 (192.168.56.12): icmp_seq=4 ttl=64 time=3.27 ms
64 bytes from manage-node1 (192.168.56.12): icmp_seq=5 ttl=64 time=2.21 ms
64 bytes from manage-node1 (192.168.56.12): icmp_seq=6 ttl=64 time=2.54 ms
64 bytes from manage-node1 (192.168.56.12): icmp_seq=7 ttl=64 time=3.08 ms
^C
--- manage-node1 ping statistics ---
7 packets transmitted, 7 received, 0% packet loss, time 6843ms
rtt min/avg/max/ndev = 1.872/2.436/3.269/0.494 ms
sysadmin@ansible-controller:~$ 
sysadmin@ansible-controller:~$ 
sysadmin@ansible-controller:~$ ping manage-node2
PING manage-node2 (192.168.56.14) 56(84) bytes of data:
64 bytes from manage-node2 (192.168.56.14): icmp_seq=1 ttl=64 time=2.52 ms
64 bytes from manage-node2 (192.168.56.14): icmp_seq=2 ttl=64 time=3.05 ms
64 bytes from manage-node2 (192.168.56.14): icmp_seq=3 ttl=64 time=3.93 ms
64 bytes from manage-node2 (192.168.56.14): icmp_seq=4 ttl=64 time=1.54 ms
64 bytes from manage-node2 (192.168.56.14): icmp_seq=5 ttl=64 time=2.63 ms
64 bytes from manage-node2 (192.168.56.14): icmp_seq=6 ttl=64 time=1.81 ms
64 bytes from manage-node2 (192.168.56.14): icmp_seq=7 ttl=64 time=1.23 ms
64 bytes from manage-node2 (192.168.56.14): icmp_seq=8 ttl=64 time=4.05 ms
^C
--- manage-node2 ping statistics ---
8 packets transmitted, 8 received, 0% packet loss, time 7106ms
rtt min/avg/max/ndev = 1.233/2.601/4.045/0.970 ms
sysadmin@ansible-controller:~$
```

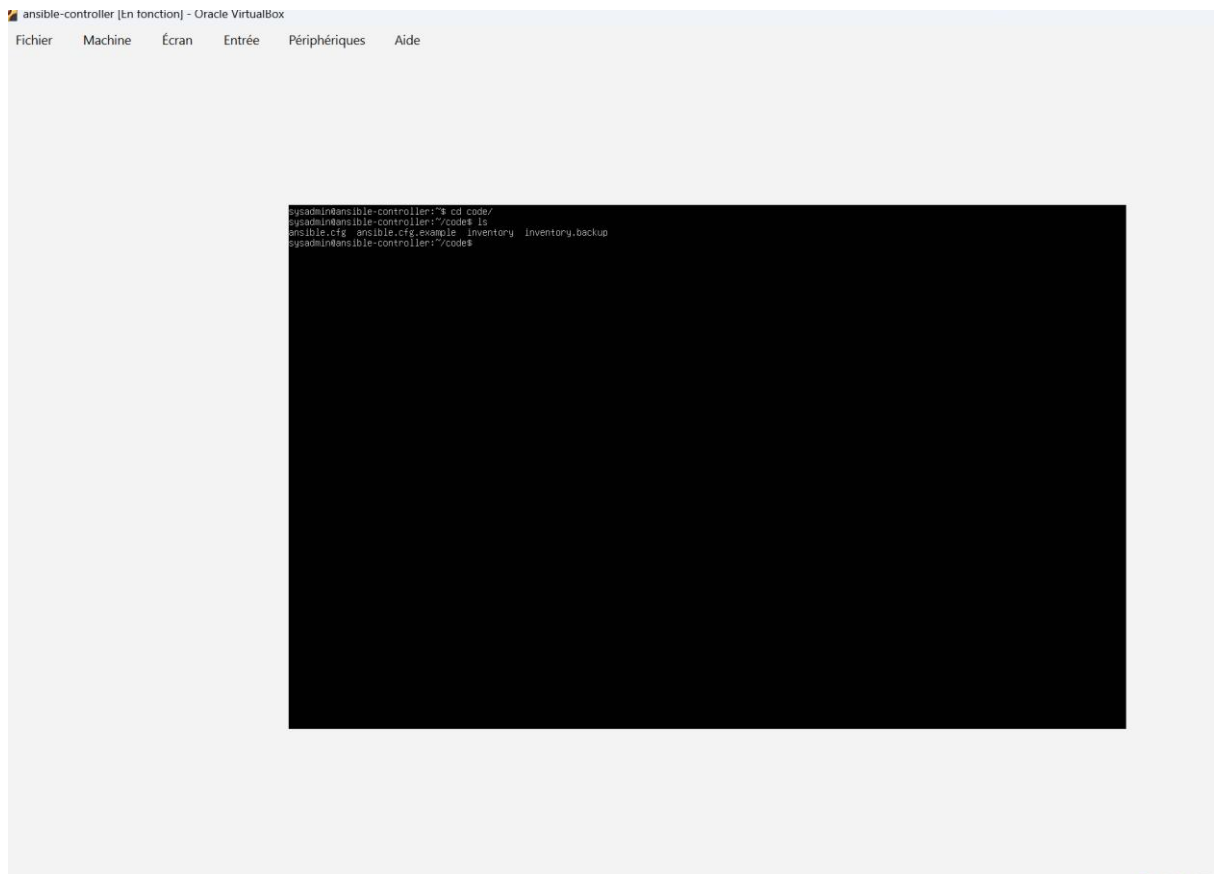
Ssh from ansible-controller to manage-node1



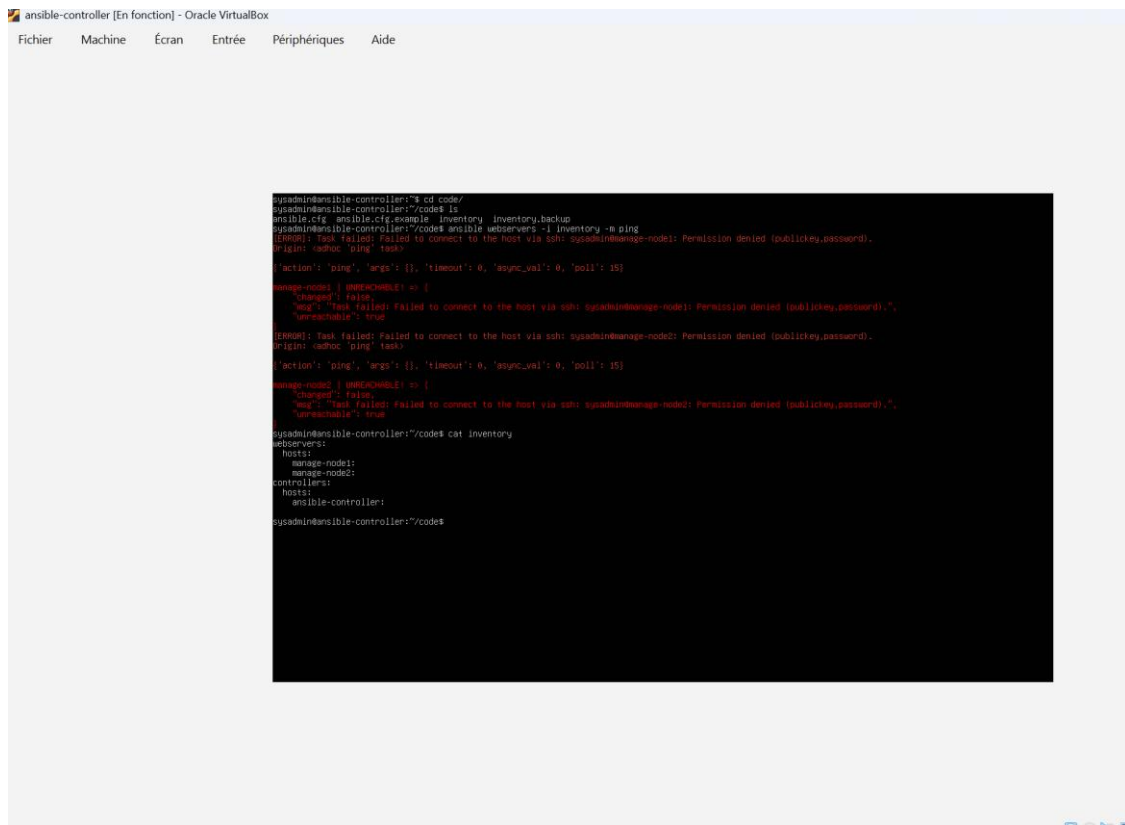
Ssh from ansible-controller to manage-node2



Ansible-controller : code directory

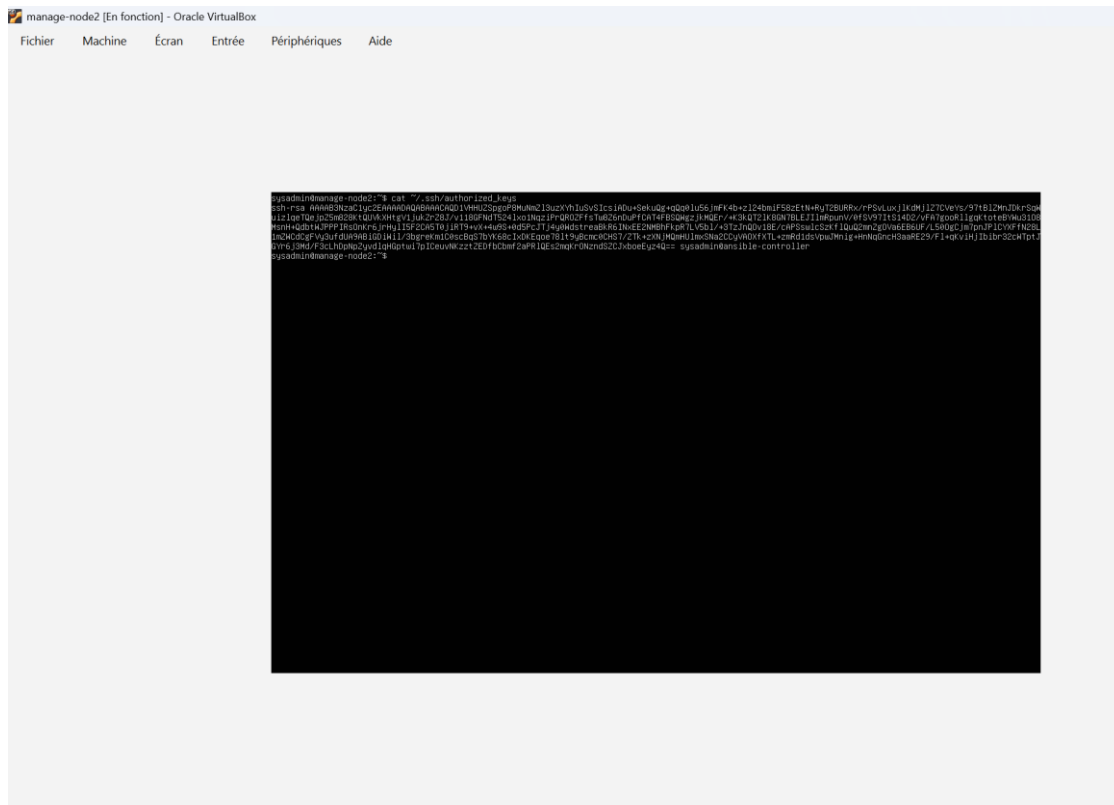


Command : ansible webservers -i inventory -m ping => failure



Command : cat /etc/hosts and cat ~/code/inventory





History_file.txt file

```
86 clear
87 sudo apt update
88 sudo apt install openssh-server
89 sudo vi /etc/ssh/sshd_config
90 sudo systemctl restart ssh
91 cd ~/.ssh/
92 sudo ssh-copy-id sysadmin@ansible-controller
93 ssh-copy-id sysadmin@ansible-controller
94 ssh sysadmin@ansible-controller
95 ssh-copy-id sysadmin@manage-node1
96 ssh-copy-id sysadmin@manage-node2
97 ssh sysadmin@manage-node2
98 cat /etc/hosts
99 sudo vi /etc/hosts
100 cat /etc/hosts
101 clear
102 ssh sysadmin@manage-node2
103 ssh sysadmin@manage-node1
104 ping manage-node1
105 ping manage-node2
106 ssh sysadmin@manage-node2
107 clear
108 ssh sysadmin@manage-node2
109 ssh sysadmin@manage-node1
110 clear
111 ssh-keygen -f ~/.ssh/known_hhosts -R manage-node1
112 ssh-keygen -f ~/.ssh/known_hosts -R manage-node1
113 ssh-keygen -f ~/.ssh/known_hosts -R manage-node2
114 ssh sysadmin@manage-node1
115 clear
116 ssh sysadmin@manage-node2
117 cd
```

Note : numbers 111-113 (trying to debug)