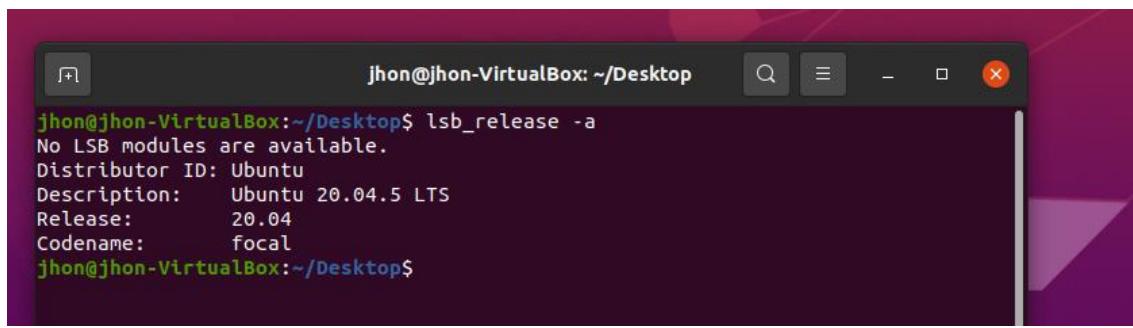


Tarea

Homework

- Create an Ansible playbook
- 1) Create a VM using virtualbox
 - 2) Install ansible on your local machine and control the VM (perform installations of tools / libraries)
 - 3) Create ansible inventory file
 - 4) Create ansible playbook
 - 5) Create public /private key pair and setup SSH authentication

Vm ansible



```
jhon@jhon-VirtualBox:~/Desktop$ lsb_release -a
No LSB modules are available.
Distributor ID: Ubuntu
Description:    Ubuntu 20.04.5 LTS
Release:        20.04
Codename:       focal
jhon@jhon-VirtualBox:~/Desktop$
```

Vm host vagrant

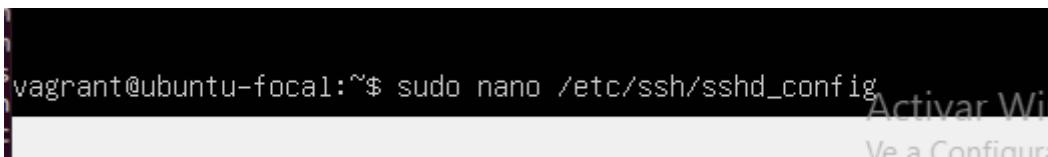
```
vagrant@ubuntu-focal:~$ sudo systemctl restart sshd
vagrant@ubuntu-focal:~$ lsb_release -a
No LSB modules are available.
Distributor ID: Ubuntu
Description:    Ubuntu 20.04.5 LTS
Release:        20.04
Codename:       focal
vagrant@ubuntu-focal:~$ _
```

Host ip setup inventory file

```
jhon@jhon-VirtualBox:~/Desktop$ more /etc/ansible/hosts
# This is the default ansible 'hosts' file.
#
## 192.168.1.101 -> node.example.com
[devtest]
vagrant@192.168.1.16
```

Vm guest config

```
vagrant@ubuntu-focal:~$ sudo nano /etc/ssh/sshd_config
```



```
#IgnoreRhosts yes
# To disable tunneled clear text passwords, change to no here!
#PasswordAuthentication yes
#PermitEmptyPasswords no
# Change to yes to enable challenge-response passwords (beware issues with
```

Used Installation command

```
sudo add-apt-repository --yes --update ppa:ansible/ansible
sudo apt install ansible -y
```

Ssh gen

```
jhon@jhon-VirtualBox:~/Desktop$ ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/home/jhon/.ssh/id_rsa):
```

Copy ssh

```
jhon@jhon-VirtualBox:~/Desktop$ ssh-copy-id -i ~/.ssh/id_rsa.pub vagrant@192.168.1.16
/usr/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/home/jhon/.ssh/id_rsa.pub"
/usr/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter out any that are already installed
/usr/bin/ssh-copy-id: WARNING: All keys were skipped because they already exist on the remote system.
(if you think this is a mistake, you may want to use -f option)
jhon@jhon-VirtualBox:~/Desktop$
```

Create playbook

```
jhon@jhon-VirtualBox:~$ more ansible-workspace/test.yaml
---
- hosts: all
  become: true
  become_method: sudo
  tasks:
    - name: "Show Network Interfaces"
      command: ifconfig
      register: details
    - name: 'Get Interfaces details'
      debug:
        msg: "{{ details.stdout }}"
jhon@jhon-VirtualBox:~$
```

```
jhon@jhon-VirtualBox:~/ansible-workspace$ sudo nano /etc/ansible/hosts
jhon@jhon-VirtualBox:~/ansible-workspace$ ansible-playbook test.yaml

PLAY [all] ****
TASK [Gathering Facts] ****
ok: [vagrant@192.168.1.16]

TASK [Show Network Interfaces] ****
changed: [vagrant@192.168.1.16]

TASK [Get Interface details] ****
ok: [vagrant@192.168.1.16] => changed=True
  msg: interface: ens3 flags=4163 mtu 1500
        linklayer: eno1
        brd 192.168.1.16 netmask 255.255.255.0 broadcast 192.168.1.255
        RX packets 3272 bytes 46740399 (46.7 kB)
        RX errors 0 dropped 0 overruns 0 frame 0
        TX packets 24 bytes 2368 (2.3 kB)
        TX errors 0 dropped 0 overruns 0 frame 0
        collisions 0

ok: [vagrant@192.168.1.16] => changed=True
  msg: interface: ens3 flags=4163 mtu 1500
        linklayer: eno1
        brd 192.168.1.16 netmask 255.255.255.0 broadcast 192.168.1.255
        RX packets 3272 bytes 46740399 (46.7 kB)
        RX errors 0 dropped 0 overruns 0 frame 0
        TX packets 24 bytes 2368 (2.3 kB)
        TX errors 0 dropped 0 overruns 0 frame 0
        collisions 0

PLAY RECAP ****
vagrant@192.168.1.16 : ok=3    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0

Activar Windows
Ve a la Configuración para activar Windows.

jhon@jhon-VirtualBox:~/ansible-workspace$
```