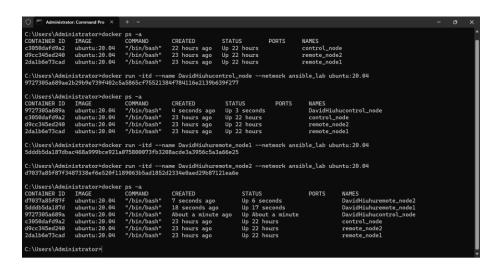
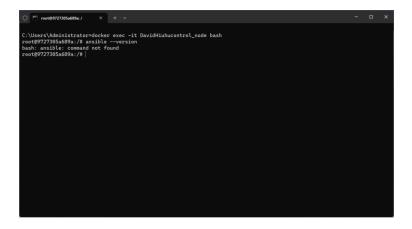
#### **DAVID HIUHU - 101509799**

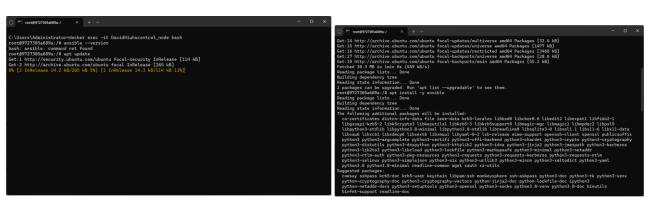
LAB3



# check control node if Ansible is installed in DavidHiuhucontrol\_node



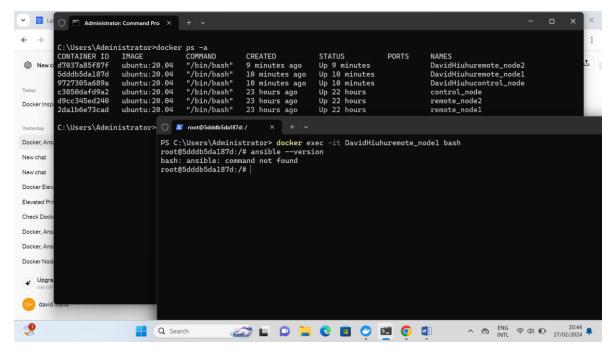
# Ansible being installed



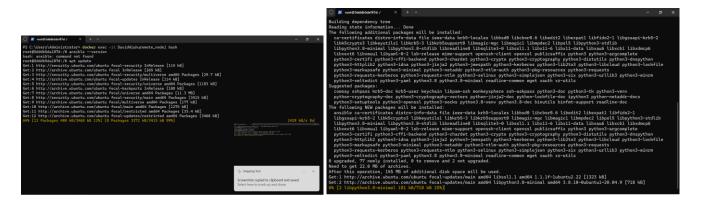
```
Setting up python3-chirdcase (1.14.0-lbuild1) ...
Setting up python3-chirdcase (1.14.0-lbuild1) ...
Setting up python3-chirdcase (18.2.0-lbubuntu-20.04) ...
Setting up python3-distutils (3.8.10-0bubuntu-20.04) ...
Setting up python3-distutils (3.8.10-0bubuntu-20.04) ...
Setting up python3-distutils (3.8.10-0bubuntu-20.04) ...
Setting up python3-reptoeros (1.1.4-3.1build1) ...
Setting up python3-yaml (5.3.1-lubuntu0.1) ...
Setting up python3-chardet (3.0.4-4build1) ...
Setting up python3-cryptography (2.8-3bubuntu0.2) ...
Setting up python3-requests (2.22.0-2ubuntu1.1) ...
Setting up python3-requests (2.22.0-2ubuntu1.1) ...
Setting up python3-reptography (2.8-3bubuntu0.2) ...
Setting up python3-requests (2.22.0-2ubuntu1.1) ...
Setting up python3-reptography (2.8-3bubuntu1.1) ...
Setting up python3-reptography (2.8-0) ...
Set
```

Ansible installed

# Check, Setting up DavidHiuhuremote\_node1, Ansible not installed



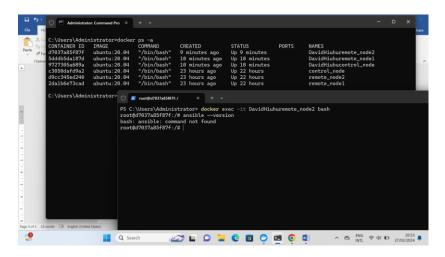
## Install Ansible DavidHiuhuremote\_node1



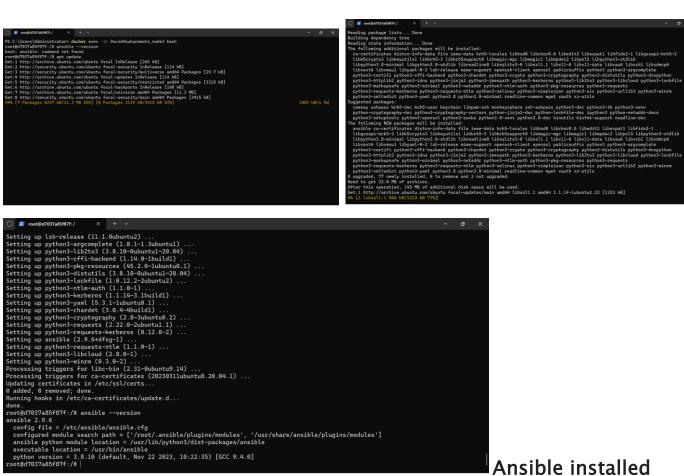
```
Setting up lsb-release (11.1.0ubuntu2) ...
Setting up python3-argonaplete (1.8.1-1.3ubuntu1) ...
Setting up python3-argonaplete (1.8.1-1.3ubuntu1) ...
Setting up python3-lib2to3 (3.8.10-0ubuntu1-20.00) ...
Setting up python3-lib2to3 (3.8.10-0ubuntu1-20.00) ...
Setting up python3-release (10.1.10-1.0ubuntu1-20.00) ...
Setting up python3-release (1.8.10-1.0ubuntu1-20.00) ...
Setting up python3-release (1.8.10-1.0ubuntu1-20.00) ...
Setting up python3-release (1.8.10-1.0ubuntu1-20.00) ...
Setting up python3-release (3.8.10-1.0ubuntu0.1) ...
Setting up python3-cryptography (2.8-3ubuntu0.2) ...
Setting up python3-requests (2.2.9-2ubuntu1.1) ...
Setting up python3-requests (2.3.9-2ubuntu1.1) ...
Setting up python3-requests (2.3.9-3ubuntu0.1) ...
Setting up python3-requests (2.3.9-4ubuntu0.1) ...
Setting up python3-requests (2.3.9-4ubuntu0.1) ...
Setting up python3-du1-set (2.3-du1-subuntu0.1) ...
Setting up pyth
```

Ansible installed

# Check, Setting up DavidHiuhuremote\_node2, Ansible not installed



# Install Ansible DavidHiuhuremote\_node2



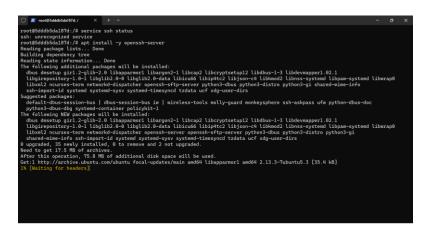
#### Check SSH status and install openssh server in DavidHiuhucontrol\_node

```
C:\Users\Administrator>docker exec -it DavidHiuhucontrol_node bash root89727385a689a:/# service ssh status ssh: unrecognized service root89727385a689a:/# service ssh status ssh: unrecognized service reading package lists... Done Building dependency tree Reading state information... Done Reading state information... Done Building dependency tree Reading state information... Done Reading state information... Done Hot following additional packages will be installed: disparsory to the following additional packages will be installed: disparsory to the following additional packages will be installed: disparsory to the following additional packages will be installed: disparsory to the following additional package will be installed: disparsory to the following following the following following following the following following
```

### Start SSH DavidHiuhucontrol\_node

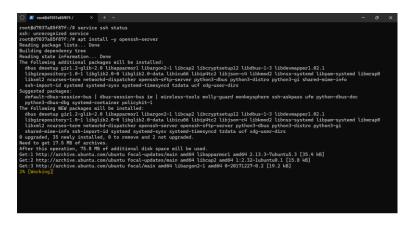
```
GG-Linux-gnu/perl/6 30 /usr/share/perl/5 30 /usr/local/lib/site_perl /usr/lib/s86_64-linux-gnu/perl-base) at /usr/share/perl5/Debconf /Frontfind/Baselline pe line? 'John / State / St
```

## Check SSH status and install openssh server in DavidHiuhuremote\_node1

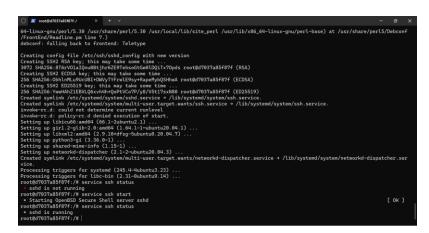


# Start SSH DavidHiuhuremote\_node1

#### Check SSH status and install openssh server in DavidHiuhuremote\_node2



#### Start SSH DavidHiuhuremote\_node2



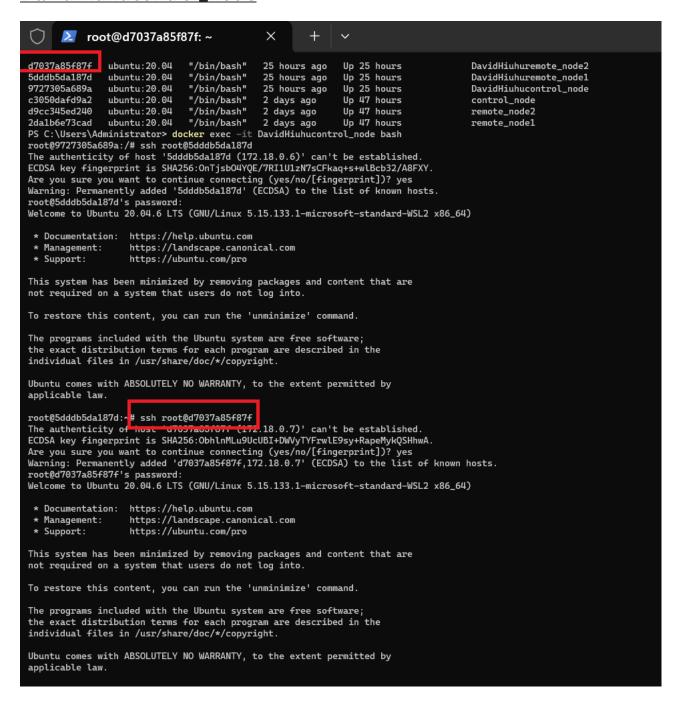
# ssh into <u>DavidHiuhuremote\_node1</u> from the control node <u>DavidHiuhucontrol\_node</u>

```
"/bin/bash"
"/bin/bash"
   d7037a85f87f
5dddb5da187d
                                                                      ubuntu:20.04
ubuntu:20.04
ubuntu:20.04
                                                                                                                                                                                                               25 hours ago
25 hours ago
                                                                                                                                                                                                                                                                                     Up 25 hours
Up 25 hours
Up 25 hours
                                                                                                                                                                                                                                                                                                                                                                                                     DavidHiuhuremote_node2
buntu:20.04 "/bin/bash" 25 hours ago Up 25 hours 26 hours 26 hours 27305a689a: "/bin/bash" 26 hours 27305a689a: "/bin/bash" 27 hours 27305a689a: "/bin/bash" 27 hours 27305a689a: "/bin/bash" 28 hours 28 hours 28 hours 28 hours 28 hours 28 hours 29 hours 29
                                                                                                                                                                                                                                                                                                                                                                                                    DavidHiuhuremote_node1
                                                                                                                                                                                                                                                                                                                                                                                                      control_node
                                                                                                                                                                                                                                                                                                                                                                                                      remote_node2
                                                                                                                                                                                                                                                                                                                                                                                                      remote_node1
 root@5dddb5da187d's password:
Welcome to Ubuntu 20.04.6 LTS (GNU/Linux 5.15.133.1-microsoft-standard-WSL2 x86_64)
      * Documentation: https://help.ubuntu.com

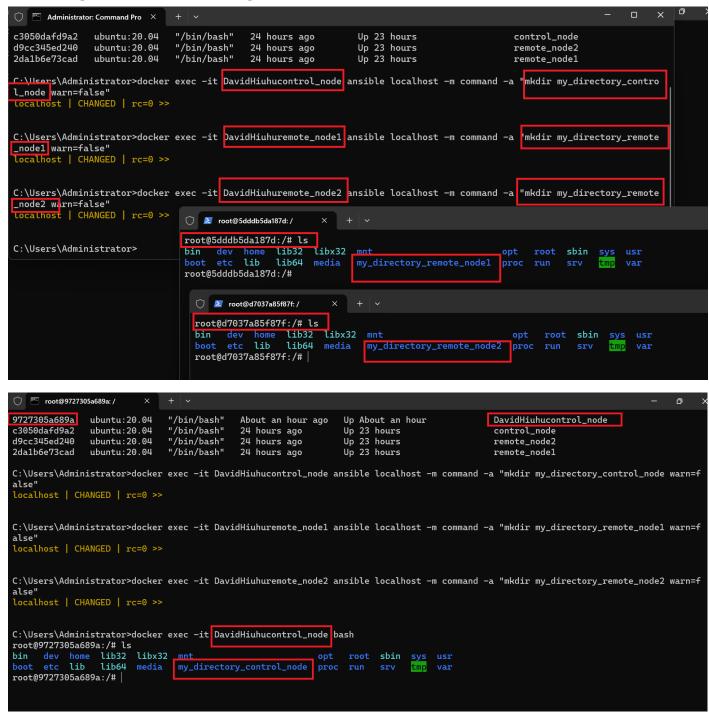
* Management: https://landscape.canonical.com

* Support: https://ubuntu.com/pro
  This system has been minimized by removing packages and content that are not required on a system that users do not \log into.
    To restore this content, you can run the 'unminimize' command.
   The programs included with the Ubuntu system are free software; the 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
```

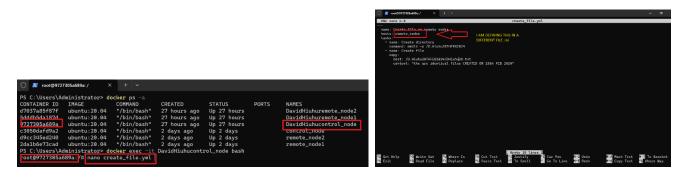
# ssh into <u>DavidHiuhuremote\_node2</u> from the control node DavidHiuhucontrol\_node

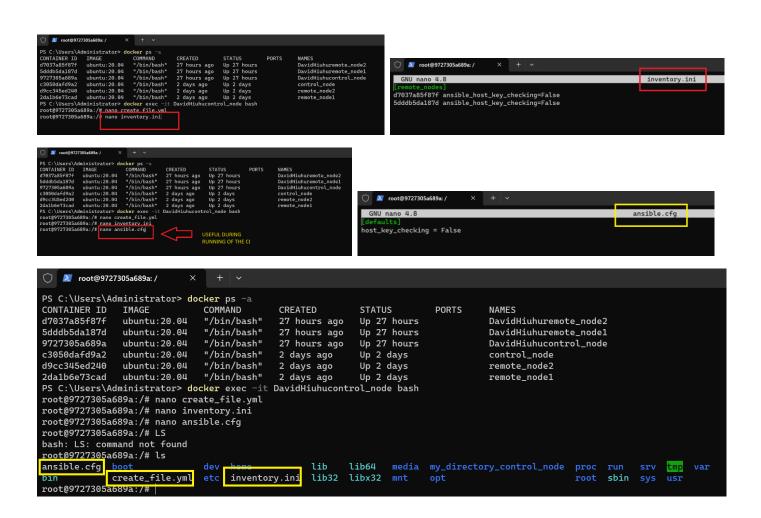


## Creating directories using the ad-hoc command.



Create the file playbook yml and create file in both nodes. Show using screenshot that you have successfully created the file using playbook nano create\_file.yml from the DavidHiuhucontrol\_node



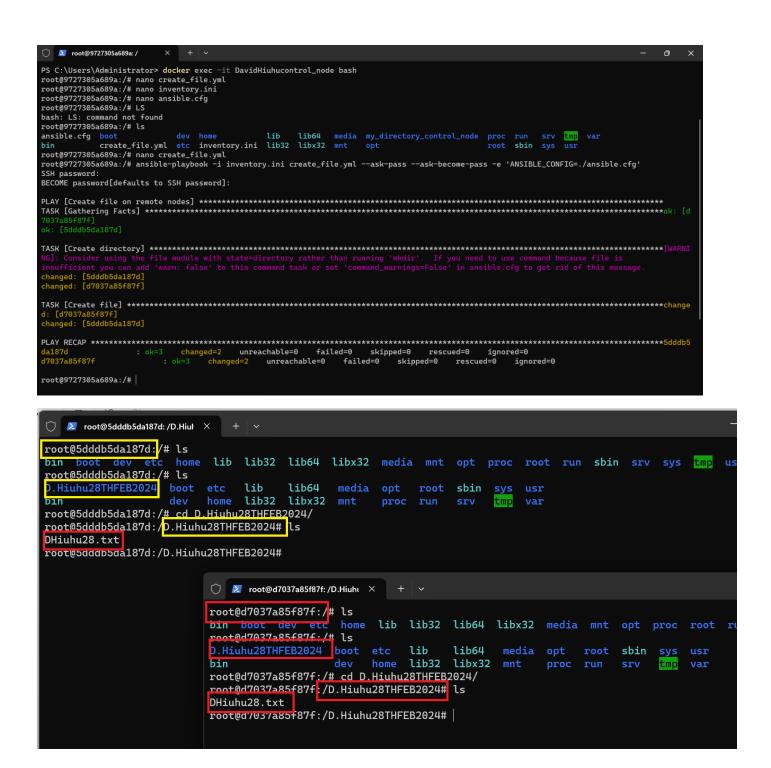


Two remote nodes are defined in the .ini file.

Making a folder to store the file mkdir -p /D.Hiuhu28THFEB2024

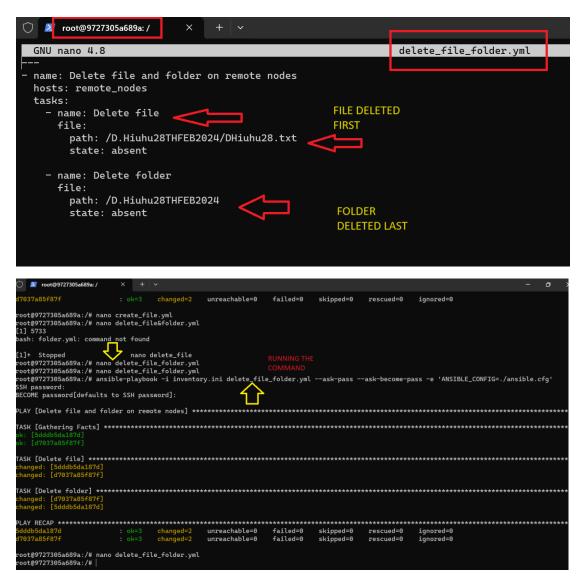
My destination folder: /D.Hiuhu28THFEB2024/DHiuhu28.txt

Note: let's check my remote nodes via listing of contents

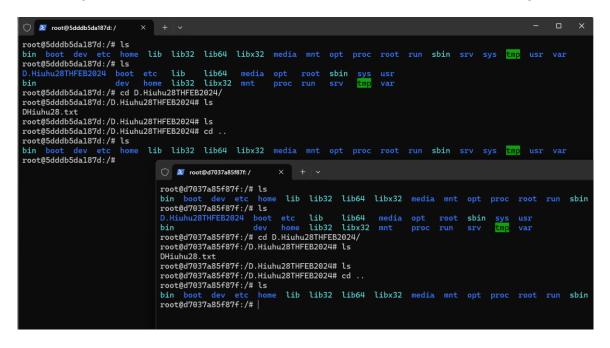


# Create a new playbook to delete the file you created previously

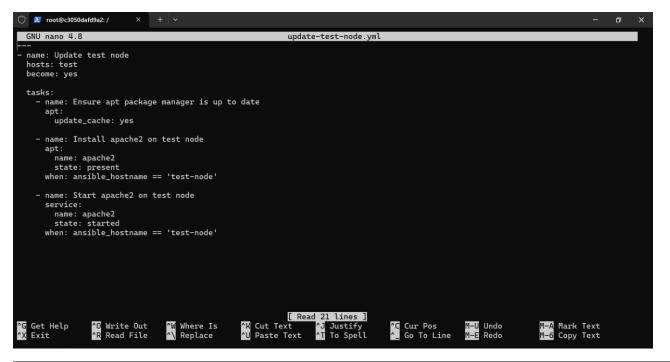
## I created a play book <a href="mailto:delete\_file&folder.yml">delete\_file&folder.yml</a>



## Below, you will see both the file and folder don't exist any more

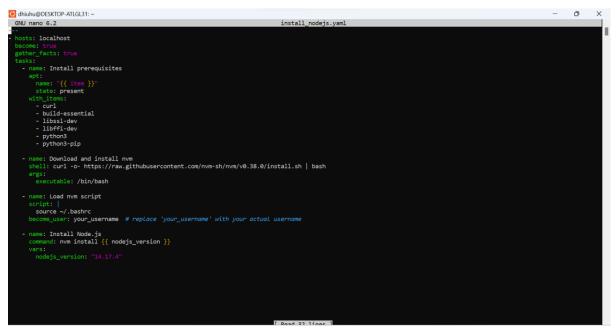


#### Group



```
ok: [test-node]
ok: [other-node]
TASK [Ensure apt package manager is up to date] ********************************
ok: [test-node]
ok: [other-node]
changed: [test-node]
changed: [test-node]
test-node
          : ok=4
               changed=2
                     unreachable=0
                             failed=0
                                   skipped=0
                                         rescued=0
                                               ignored=0
other-node
          : ok=2
               changed=0
                     unreachable=0
                             failed=0
                                   skipped=1
                                         rescued=0
                                               ignored=0
```

Lab3 – Install Nodejs using nodejs yaml. There is a issue with yaml file you need to fix it. Once installed you will get the node and npm version screenshots. Also, the successful playbook run screenshot.



```
httmespectron-Articlais-4 mano install nodesje.ymml
blukespectron-Articlais-5 ansible-playbook --ask-become-pass install_nodejs.yaml

ECOME password:

### ARTICLA | Formation |

### ARTICLA |

### ARTICLA | Formation |

### ARTICLA |

### A
```