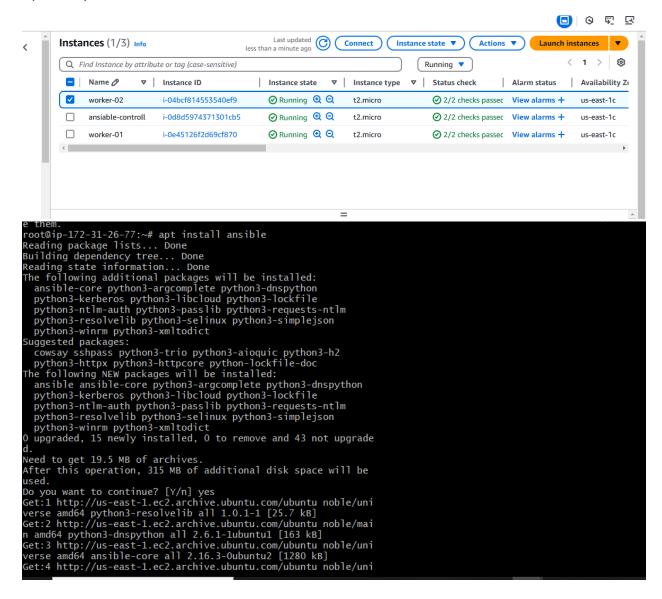
# **Ansible Tasks**

- 1) Watch ansible-01 video and write down notes.
- 2) Setup one master and two worker nodes in ansible.



### Worker\_1

```
$ ssh -i "rakesh.pem" ubuntu@ec2-54-160-194-41.compute-1.amazonaws.com
The authenticity of host 'ec2-54-160-194-41.compute-1.amazonaws.com (54.160.194.
41)' can't be established.
ED25519 key fingerprint is SHA256:FaJAOEO7C9t5L2aNxovzbP3/VnvTzNaNLORkbCsuULs.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-54-160-194-41.compute-1.amazonaws.com' (ED25519)
to the list of known hosts.

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

System information as of Wed Dec 11 11:16:02 UTC 2024

System load: 0.65
Usage of /: 24.7% of 6.71GB Users logged in: 0
Memory usage: 21%
Swap usage: 0%

Expanded Security Maintenance for Applications is not enabled.

O updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.

See https://ubuntu.com/esm or run: sudo pro status
```

### Worker 2

```
$ ssh -i "rakesh.pem" ubuntu@ec2-54-152-154-62.compute-1.amazonaws.com
The authenticity of host 'ec2-54-152-154-62.compute-1.amazonaws.com (54.152.154.62)' can't be established.
ED25519 key fingerprint is SHA256:Dt8IT610Kck9GCkg557sVHY32x1CeVAVdSJ7m+hik7I.
This key is not known by any other names

Are you sure you want to continue connecting (yes/no/[fingerprint])? yes

Warning: Permanently added 'ec2-54-152-154-62.compute-1.amazonaws.com' (ED25519)

to the list of known hosts.

Welcome to Ubuntu 24.04.1 LTS (GNU/Linux 6.8.0-1018-aws x86_64)
 * Documentation: https://help.ubuntu.com

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

* Support: https://ubuntu.com/pro
  System information as of Wed Dec 11 11:39:22 UTC 2024
   System load: 0.08
                                                   Processes:
                                                                                      106
   Usage of /: 24.7
Memory usage: 19%
                       24.7% of 6.71GB
                                                   Users logged in:
                                                                                      0
                                                   IPv4 address for enX0: 172.31.27.183
   Swap usage:
                        0%
Expanded Security Maintenance for Applications is not enabled.
  updates can be applied immediately.
```

3) Execute the adhoc command shared in #dvps-cloud-documents Channel.

Ansible all -m ping

```
Connection to 172.31.23.212 closed.
root@ip-172-31-26-77:/# ansible all -m ping
[WARNING]: Invalid characters were found in group names but not replaced, use -vvvv to see details
172.31.19.98 | SUCCESS => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python3"
    },
    "changed": false,
    "ping": "pong"
}
172.31.23.212 | SUCCESS => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python3"
    },
    "changed": false,
    "ping": "pong"
},
    "changed": false,
    "ping": "pong"
}
root@ip-172-31-26-77:/# |
```

#### Worker-1

```
root@ip-172-31-26-77:/# ansible worker-1 -m ping
[WARNING]: Invalid characters were found in group names but not replaced, use -vvvv to see details
172.31.23.212 | SUCCESS => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python3"
        },
        "changed": false,
        "ping": "pong"
}
root@ip-172-31-26-77:/# |
```

#### Worker-2

```
root@ip-172-31-26-77:/# ansible worker-2 -m ping
[WARNING]: Invalid characters were found in group names but not replaced, use -vvvv to see details
172.31.19.98 | SUCCESS => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python3"
    },
    "changed": false,
    "ping": "pong"
}
root@ip-172-31-26-77:/# |
```

## Ansible all -a uptime

```
}
root@ip-172-31-26-77:/# ansible all -a uptime
[WARNING]: Invalid characters were found in group names but not replaced, use -vvvv to see details
172.31.19.98 | CHANGED | rc=0 >>
13:24:17 up 2:09, 2 users, load average: 0.04, 0.02, 0.00
172.31.23.212 | CHANGED | rc=0 >>
13:24:17 up 12 min, 2 users, load average: 0.15, 0.06, 0.05
root@ip-172-31-26-77:/# |
```

### Ansible all -a "free -m"

```
root@ip-172-31-26-77:/# ansible all -m shell -a "uptime"
[WARNING]: Invalid characters were found in group names but not replaced, use -vvvv to see details
172.31.19.98 | CHANGED | rc=0 >>
13:28:48 up 2:14, 2 users, load average: 0.00, 0.00, 0.00
172.31.23.212 | CHANGED | rc=0 >>
13:28:48 up 17 min, 2 users, load average: 0.00, 0.02, 0.03
root@ip-172-31-26-77:/# |
```

## Ansible all -m shell -a "ps -ef"

```
root@ip-172-31-26-77:/# ansible all -m shell -a "ps -ef"
[WARNING]: Invalid characters were found in group names but no
 replaced, use
vvvv to see details
              172.31.19.98
                                                TIME CMD
00:00:01 /sbin/init
00:00:00 [kthreadd]
JID
 oot
oot
                                                00:00:00 [pool_work
oot
queue_release]
                                                00:00:00 [kworker/R
                         2 0 11:14 ?
 rcu_g]
                                                00:00:00 [kworker/R
                         2 0 11:14 ?
 rcu_p]
                            0 11:14 ?
                                                00:00:00 [kworker/R
 oot
 slub_]
                                                00:00:00 [kworker/R
 oot
                            0 11:14 ?
-netns]
               10
                                                00:00:00 [kworker/0
                            0 11:14 ?
OH-events_highpri]
 oot
               12
                            0 11:14 ?
                                                00:00:00 [kworker/R
 mm_pe]
               13
                                                00:00:00 [rcu_tasks
                            0 11:14 ?
 oot
 rude_kthread]
                14
                            0 11:14 ?
                                                00:00:00 [rcu_tasks
_trace_kthread]
root
/0]
                                                00:00:00 [ksoftirqd
                            0 11:14 ?
                                                00:00:00 [rcu_sched
               16
                         2 0 11:14 ?
 oot
                            0 11:14 ?
                                                00:00:00 [migration
0]
               18
                             0 11:14 ?
                                                00:00:00 [idle_inje
```

```
root@ip-172-31-26-77:/# ansible all -m apt -a "name=apache2 state=present"
[WARNING]: Invalid characters were found in group names but not replaced, use -vvvv to see details
        31.23.212 | SUCCESS => {
    'ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python3"
      "cache_update_time": 1731142153,
"cache_updated": false,
"changed": false
 72.31.19.98 | SUCCESS => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python3"
      "cache_update_time": 1733915784,
"cache_updated": false,
"changed": false
 oot@ip-172-31-26-77:/# |
```

△ Not secure 34.233.121.135



### **Apache2 Default Page**

Ubuntu

It works!

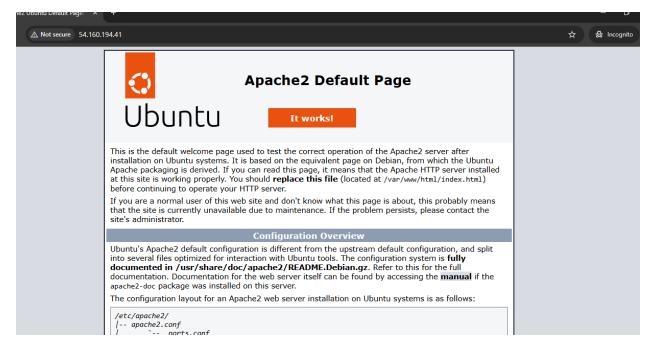
This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should replace this file (located at /var/www/html/index.html) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

#### Configuration Overview

Ubuntu's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Ubuntu tools. The configuration system is fully documented in /usr/share/doc/apache2/README.Debian.gz. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the manual if the apache2-doc package was installed on this server.

The configuration layout for an Apache2 web server installation on Ubuntu systems is as follows:



# Ansible all -m apt -a "name-apache2 state-absent"

```
FootBip-177-31-26-77:/# ansible all -m apt -a "name-apache2 state=absent"
[MMRNING] Invalid characters were found in group names but not replaced, use -vvvv to see details
172.31.23.212 [ CHANGED => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python3"
        ".
        "idanged": true,
        "stderr": ""
        "stderr": ""
        "stderr]ines": [],
        "stdout": "Reading package lists...\nBuilding dependency tree...\nReading state information...\nThe following packages were automatically installed and are no longer required:\n apache2-bin apache2-data apache2-utils libaprit64 libaprutil1-dbd-sqlite3\n libaprutil1-ldap libaprutil1t66 liblua 5.4-0 ssl-cert\nUse 'apt autoremove' to remove them.\nThe following packages will be REMOVED:\n apache2\n0 upgraded, 0 newly installed, 1 to remove and 0 not upgraded.\nThetafter this operation, 465 kB disk space will be freed.\nThetafter heading database ... 5%\nThetafter heading database ... 5\nThetafter heading da
```

```
"Stdow-lines": [ "stdow
```

# Ansible all -m file -a "path=/home/rakesh.txt state=touch mode=0755"