ANSIBLE 01

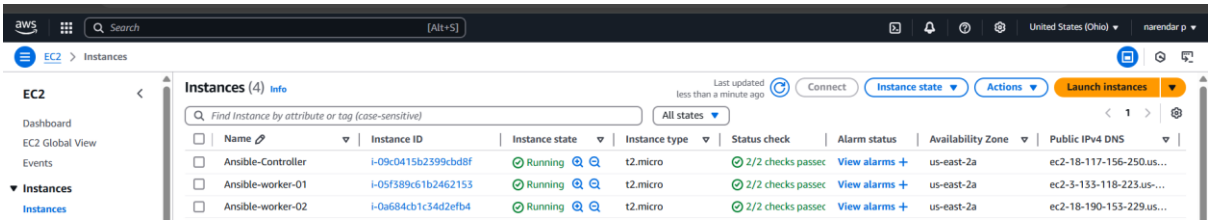
1) Watch ansible-01 video and write down notes.

Launched 3 ec2 instances:

→watched ansible-01 video and made note of it

2) Setup one master and two worker nodes in ansible.

→Launched 3 ec2 instances:



→Connected to Ec2 controller server and checked python:

```
ubuntu@ip-172-31-7-71:~$ sudo -i
root@ip-172-31-7-71:~# python3 --version
Python 3.12.3
root@ip-172-31-7-71:~#
```

```
root@ip-172-31-7-71: ~

naren@narendar MINGW64 /c/Users/Public/Downloads
$ ssh -i "ansible.pem" ubuntu@ec2-18-117-156-250.us-east-2.compute.amazonaws.com
The authenticity of host 'ec2-18-117-156-250.us-east-2.compute.amazonaws.com (18
.117.156.250)' can't be established.
ED25519 key fingerprint is SHA256:4OkuptuUWxFjYt4+cZ3LCvqOz1fi01gO16ikjwZU3XU.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-18-117-156-250.us-east-2.compute.amazonaws.com'
(ED25519) to the list of known hosts.
Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.8.0-1024-aws x86_64)

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

#apt update

```
root@ip-172-31-7-71:~# apt update
Hit:1 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble InRelease
Get:2 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:3 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:4 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
```

→Then installed ansible

```
No VM guests are running outdated hypervisor (qemu) binaries on this host.
root@ip-172-31-7-71:~# ansible --version
ansible [core 2.16.3]
  config file = None
  configured module search path = ['/root/.ansible/plugins/modules', '/usr/share/ansible/plugins/
  ansible python module location = /usr/lib/python3/dist-packages/ansible
  ansible collection location = /root/.ansible/collections:/usr/share/ansible/collections
  executable location = /usr/bin/ansible
  python version = 3.12.3 (main, Feb  4 2025, 14:48:35) [GCC 13.3.0] (/usr/bin/python3)
  jinja version = 3.1.2
  libyaml = True
root@ip-172-31-7-71:~#
```

→No configuration file

```
No VM guests are running outdated hypervisor (qemu) binaries on this host.
root@ip-172-31-7-71:~# ansible --version
ansible [core 2.16.3]
  config file = None
  configured module search path = ['/root/.ansible/plugins/modules', '/usr/share/ansible/plugins/modules']
  ansible python module location = /usr/lib/python3/dist-packages/ansible
  ansible collection location = /root/.ansible/collections:/usr/share/ansible/collections
  executable location = /usr/bin/ansible
  python version = 3.12.3 (main, Feb  4 2025, 14:48:35) [GCC 13.3.0] (/usr/bin/python3)
  jinja version = 3.1.2
  libyaml = True
root@ip-172-31-7-71:~# cd /etc/ansible/
-bash: cd: /etc/ansible/: No such file or directory
root@ip-172-31-7-71:~#
```

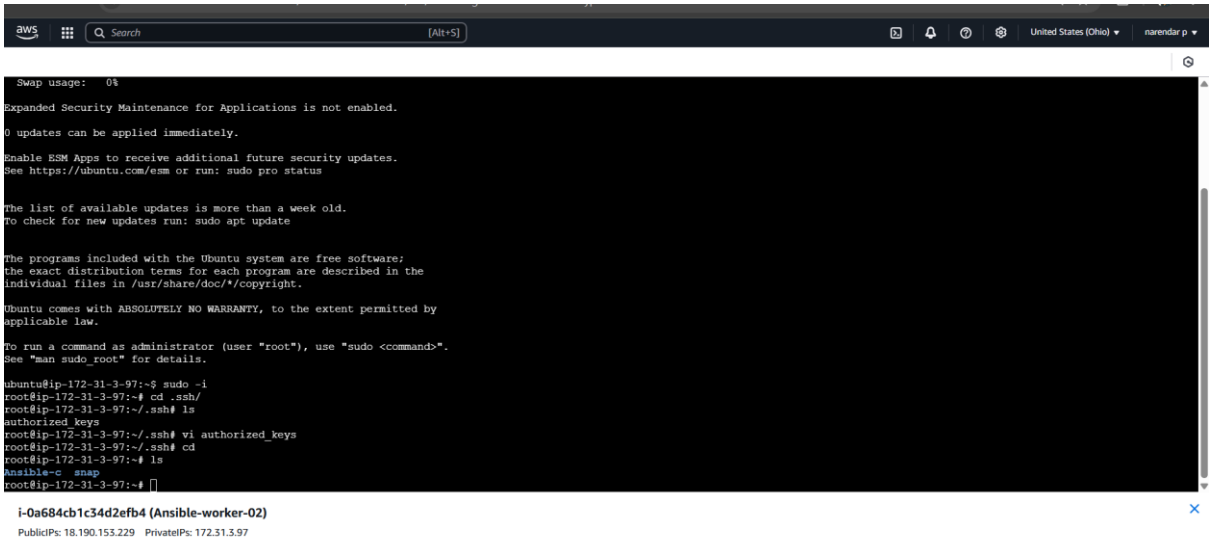
→Created manually configuration file:

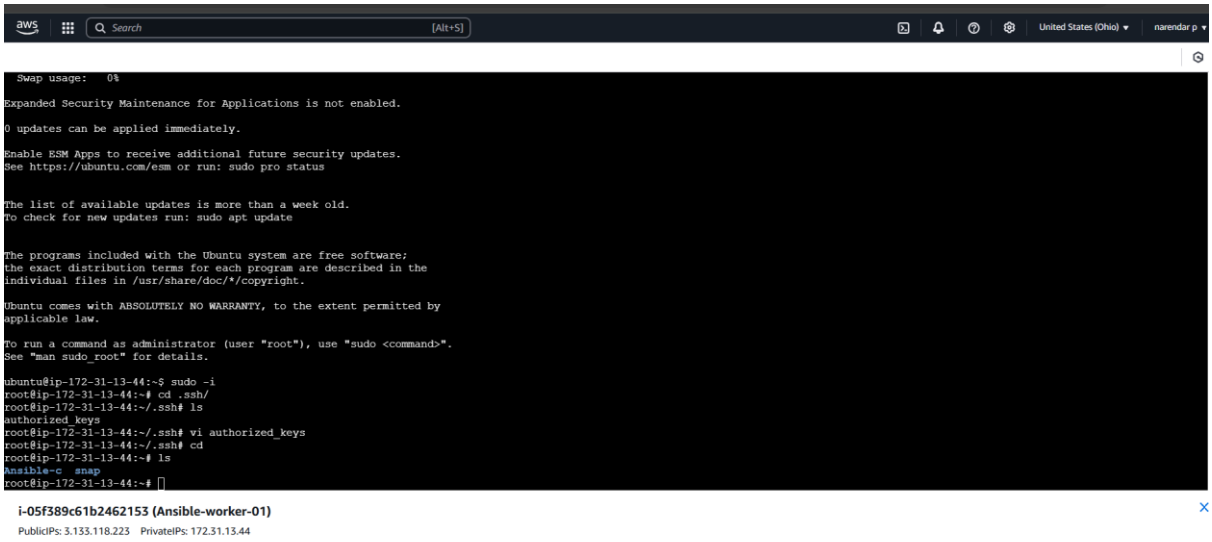
```
root@ip-172-31-7-71:~# cat /root/.ssh/id_ed25519.pub
ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAII/vZeIp9x4JNIb2DMOssVjYE7FvfFxHX9DYfItuuHVp root@ip-172-31-7-71
root@ip-172-31-7-71:~# ssh root@172.31.13.44
Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.8.0-1024-aws x86_64)

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

 System information as of Tue Mar 25 11:12:41 UTC 2025

  System load:  0.0               Processes:             114
  Usage of /:   25.2% of 6.71GB   Users logged in:       1
  Memory usage: 21%               IPv4 address for enX0: 172.31.13.44
  Swap usage:   0%


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


The list of available updates is more than a week old.
To check for new updates run: sudo apt update


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
applicable law.

root@ip-172-31-13-44:~#
```

```
root@ip-172-31-7-71:~# cd /etc/ansible/
root@ip-172-31-7-71:/etc/ansible# vi hosts
root@ip-172-31-7-71:/etc/ansible# ansible all -m ping
[WARNING]: Invalid characters were found in group names but not replaced, use -vvvv to see details
The authenticity of host '172.31.13.44 (172.31.13.44)' can't be established.
ED25519 key fingerprint is SHA256:cKVsGSS2CQ7/YugLExZ/rFK9y4xihOoWjx1GMSOHX5Q.
This key is not known by any other names.
The authenticity of host '172.31.3.97 (172.31.3.97)' can't be established.
ED25519 key fingerprint is SHA256:26WXfYv6wnBhD33X4aNqhEQv1c3nRJF/QIOAkE1XBbc.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
172.31.13.44 | UNREACHABLE! => {
    "changed": false,
    "msg": "Failed to connect to the host via ssh: Warning: Permanently added '172.31.13.44' (ED25519) to the list of known
publickey).",
    "unreachable": true
}
^C [ERROR]: User interrupted execution
root@ip-172-31-7-71:/etc/ansible# cat hosts
[all]
172.31.13.44
172.31.3.97
[worker-01]
172.31.13.44
[worker-02]
```

→ Setup one master and connected two worker nodes in ansible.

```
root@ip-172-31-7-71:~# ansible all -m ping
[WARNING]: Invalid characters were found in group names but not replaced, use -vvvv to see details
The authenticity of host '172.31.3.97 (172.31.3.97)' can't be established.
ED25519 key fingerprint is SHA256:26WXfYv6wnBhD33X4aNqhEQv1c3nRJF/QIOAkE1XBbc.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? 172.31.13.44 | SUCCESS => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python3"
    },
    "changed": false,
    "ping": "pong"
}
^C [ERROR]: User interrupted execution
root@ip-172-31-7-71:~# ansible all -m ping
[WARNING]: Invalid characters were found in group names but not replaced, use -vvvv to see details
The authenticity of host '172.31.3.97 (172.31.3.97)' can't be established.
ED25519 key fingerprint is SHA256:26WXfYv6wnBhD33X4aNqhEQv1c3nRJF/QIOAkE1XBbc.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? 172.31.13.44 | SUCCESS => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python3"
    },
    "changed": false,
    "ping": "pong"
}
yes
172.31.3.97 | SUCCESS => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python3"
    },
    "changed": false,
    "ping": "pong"
}
root@ip-172-31-7-71:~#
```





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

→adhoc commands:

ansible all -m ping

```
root@ip-172-31-7-71:~# ansible all -m ping
[WARNING]: Invalid characters were found in group names but not replaced, use -vvvv to see details
The authenticity of host '172.31.3.97 (172.31.3.97)' can't be established.
ED25519 key fingerprint is SHA256:26WXfYv6wnBhD33X4aNqhEQv1c3nRJF/QIOAkE1XBbc.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? 172.31.13.44 | SUCCESS => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python3"
    },
    "changed": false,
    "ping": "pong"
}
^C [ERROR]: User interrupted execution
root@ip-172-31-7-71:~# ansible all -m ping
[WARNING]: Invalid characters were found in group names but not replaced, use -vvvv to see details
The authenticity of host '172.31.3.97 (172.31.3.97)' can't be established.
ED25519 key fingerprint is SHA256:26WXfYv6wnBhD33X4aNqhEQv1c3nRJF/QIOAkE1XBbc.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? 172.31.13.44 | SUCCESS => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python3"
    },
    "changed": false,
    "ping": "pong"
}
yes
172.31.3.97 | SUCCESS => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python3"
    },
    "changed": false,
    "ping": "pong"
}
root@ip-172-31-7-71:~#
```

→ To gather facts of slave machine

ansible all -m setup

```
root@ip-172-31-7-71:~# ansible all -m setup
[WARNING]: Invalid characters were found in group names but not replaced, use -vvvv to see details
172.31.13.44 | SUCCESS => {
    "ansible_facts": {
        "ansible_all_ipv4_addresses": [
            "172.31.13.44"
        ],
        "ansible_all_ipv6_addresses": [
            "fe80::56:92ff:fe8f:10d9"
        ],
        "ansible_apparmor": {
            "status": "enabled"
        },
```

→ TO check the uptime of a slave machine

ansible all -m shell -a uptime

```
root@ip-172-31-7-71:~# ansible all -m shell -a uptime
[WARNING]: Invalid characters were found in group names but not replaced, use -vvvv to see details
172.31.13.44 | CHANGED | rc=0 >>
 11:21:04 up  1:05,  2 users,  load average: 0.08, 0.02, 0.01
172.31.3.97 | CHANGED | rc=0 >>
 11:21:04 up  1:05,  2 users,  load average: 0.08, 0.02, 0.01
```

→Command to ctreate a directory

ansible all -m shell -a “mkdir Ansible”

```
root@ip-172-31-7-71:~# ansible all -m shell -a "mkdir Ansible-c"
[WARNING]: Invalid characters were found in group names but not replaced, use -vvvv to see details
172.31.3.97 | CHANGED | rc=0 >>

172.31.13.44 | CHANGED | rc=0 >>
```

→ check the free memory or memory usage of host

ansible all -a "free -m"

```
root@ip-172-31-7-71:~# ansible all -a "free -m"
[WARNING]: Invalid characters were found in group names but not replaced, use -vvvv to see details
172.31.13.44 | CHANGED | rc=0 >>
               total        used        free      shared  buff/cache   available
Mem:             957         338         346           0         426         619
Swap:              0           0           0
172.31.3.97 | CHANGED | rc=0 >>
               total        used        free      shared  buff/cache   available
Mem:             957         347         341           0         422         610
Swap:              0           0           0
root@ip-172-31-7-71:~#
```

→To install apache2 service :

ansible all -m apt -a "name=apache2 state=latest"

Installation is done in Ansible-contoller:

```
root@ip-172-31-7-71:~# ansible all -m apt -a "name=apache2 state=latest"
[WARNING]: Invalid characters were found in group names but not replaced, use -vvvv to see details
172.31.3.97 | CHANGED => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python3"
    },
    "cache_update_time": 1741164292,
    "cache_updated": false,
    "changed": true,
    "stderr": "",
    "stderr_lines": [],
    "stdout": "Reading package lists...\nBuilding dependency tree...\nReading state information...\nThe following additiona
he2-data apache2-utils libapr1t64 libaprutil1-dbd-sqlite3\n  libaprutil1-ldap libaprutil1t64 liblua5.4-0 ssl-cert\nSuggeste
e | apache2-suexec-custom www-browser\nThe following NEW packages will be installed:\n  apache2 apache2-bin apache2-data ap
 libaprutil1-ldap libaprutil1t64 liblua5.4-0 ssl-cert\n0 upgraded, 10 newly installed, 0 to remove and 0 not upgraded.\nNee
on, 8094 kB of additional disk space will be used.\nGet:1 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-updates/mai
B]\nGet:2 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libaprutil1t64 amd64 1.6.3-1.1ubuntu7 [91.9 kB]\
ntu noble/main amd64 libaprutil1-dbd-sqlite3 amd64 1.6.3-1.1ubuntu7 [11.2 kB]\nGet:4 http://us-east-2.ec2.archive.ubuntu.c
1.6.3-1.1ubuntu7 [9116 B]\nGet:5 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble/main amd64 liblua5.4-0 amd64 5.4.6-3
e.ubuntu.com/ubuntu noble-updates/main amd64 apache2-bin amd64 2.4.58-1ubuntu8.5 [1329 kB]\nGet:7 http://us-east-2.ec2.arch
ache2-data all 2.4.58-1ubuntu8.5 [163 kB]\nGet:8 http://us-east-2.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 a
```

→To start apache2 service:

ansible all -m service -a "name=apache2 state=started enabled=yes"

```
root@ip-172-31-7-71:~# ansible all -m service -a "name=apache2 state=started enabled=yes"
[WARNING]: Invalid characters were found in group names but not replaced, use -vvvv to see details
172.31.13.44 | SUCCESS => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python3"
    },
    "changed": false,
    "enabled": true,
    "name": "apache2",
    "state": "started",
    "status": {
        "ActiveEnterTimestamp": "Tue 2025-03-25 12:31:58 UTC",
        "ActiveEnterTimestampMonotonic": "8185331719",
        "ActiveExitTimestampMonotonic": "0",
        "ActiveState": "active",
        "After": "network.target remote-fs.target system.slice sysinit.target -.mount systemd-tmpfiles-setup.service sy
up.target",
```

Status checked in Worker-01:

```
root@ip-172-31-13-44:~# systemctl status apache2
● apache2.service - The Apache HTTP Server
     Loaded: loaded (/usr/lib/systemd/system/apache2.service; enabled; preset: enabled)
     Active: active (running) since Tue 2025-03-25 12:31:58 UTC; 1min 6s ago
       Docs: https://httpd.apache.org/docs/2.4/
   Main PID: 3877 (apache2)
      Tasks: 55 (limit: 1129)
     Memory: 5.4M (peak: 5.6M)
        CPU: 33ms
     CGroup: /system.slice/apache2.service
             ├─3877 /usr/sbin/apache2 -k start
             ├─3879 /usr/sbin/apache2 -k start
             └─3881 /usr/sbin/apache2 -k start

Mar 25 12:31:58 ip-172-31-13-44 systemd[1]: Starting apache2.service - The Apache HTTP Server...
Mar 25 12:31:58 ip-172-31-13-44 systemd[1]: Started apache2.service - The Apache HTTP Server.
root@ip-172-31-13-44:~#
```

Status checked in Worker-02:

```
root@ip-172-31-3-97:~/.ssh# ls
authorized_keys
root@ip-172-31-3-97:~/.ssh# vi authorized_keys
root@ip-172-31-3-97:~/.ssh# cd
root@ip-172-31-3-97:~# ls
Ansible-c  snap
root@ip-172-31-3-97:~# systemctl status apache2
● apache2.service - The Apache HTTP Server
     Loaded: loaded (/usr/lib/systemd/system/apache2.service; enabled; preset: enabled)
     Active: active (running) since Tue 2025-03-25 12:31:57 UTC; 10min ago
       Docs: https://httpd.apache.org/docs/2.4/
   Main PID: 3103 (apache2)
      Tasks: 55 (limit: 1129)
     Memory: 5.5M (peak: 5.7M)
        CPU: 62ms
     CGroup: /system.slice/apache2.service
             ├─3103 /usr/sbin/apache2 -k start
             ├─3106 /usr/sbin/apache2 -k start
             └─3107 /usr/sbin/apache2 -k start

Mar 25 12:31:57 ip-172-31-3-97 systemd[1]: Starting apache2.service - The Apache HTTP Server...
Mar 25 12:31:57 ip-172-31-3-97 systemd[1]: Started apache2.service - The Apache HTTP Server.
root@ip-172-31-3-97:~#
```

i-0a684cb1c34d2efb4 (Ansible-worker-02)

PublicIPs: 18.190.153.229 PrivateIPs: 172.31.3.97

→To stop apache2 service:

ansible all -m service -a "name=apache2 state=stopped enabled=yes"

```
root@ip-172-31-7-71:~# ansible all -m service -a "name=apache2 state=stopped enabled=yes"
[WARNING]: Invalid characters were found in group names but not replaced, use -vvvv to see details
172.31.13.44 | CHANGED => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python3"
    },
    "changed": true,
    "enabled": true,
    "name": "apache2",
    "state": "stopped",
    "status": {
        "ActiveEnterTimestamp": "Tue 2025-03-25 12:31:58 UTC",
        "ActiveEnterTimestampMonotonic": "8185331719",
        "ActiveExitTimestampMonotonic": "0",
        "ActiveState": "active",
        "After": "network.target remote-fs.target system.slice sysinit.target -.mount systemd-tmpfiles-setup.service systemd-journald.socket tmp.mount basic.target nss-look
up.target",
        "AllowIsolate": "no",
        "AssertResult": "yes",
        "AssertTimestamp": "Tue 2025-03-25 12:31:58 UTC",
        "AssertTimestampMonotonic": "8185296472",
        "Before": "shutdown.target multi-user.target apache-htcacheclean.service",
        "BlockIOAccounting": "no",
        "BlockIOWeight": "[not set]",
        "CPUAccounting": "yes",
        "CPUAffinityFromNUMA": "no",
        "CPUQuotaPerSecUSec": "infinity",
        "CPUQuotaPeriodUSec": "infinity",
        "CPUSchedulingPolicy": "0",
        "CPUSchedulingPriority": "0",
        "CPUSchedulingResetOnFork": "no"
```

Checked status in worker -01

```
root@ip-172-31-13-44:~# systemctl status apache2
o apache2.service - The Apache HTTP Server
     Loaded: loaded (/usr/lib/systemd/system/apache2.service; enabled; preset: enabled)
     Active: inactive (dead) since Tue 2025-03-25 12:54:05 UTC; 3min 41s ago
   Duration: 22min 6.724s
       Docs: https://httpd.apache.org/docs/2.4/
    Process: 4767 ExecStop=/usr/sbin/apachectl graceful-stop (code=exited, status=0/SUCCESS)
   Main PID: 3877 (code=exited, status=0/SUCCESS)
        CPU: 103ms

Mar 25 12:31:58 ip-172-31-13-44 systemd[1]: Starting apache2.service - The Apache HTTP Server...
Mar 25 12:31:58 ip-172-31-13-44 systemd[1]: Started apache2.service - The Apache HTTP Server.
Mar 25 12:54:04 ip-172-31-13-44 systemd[1]: Stopping apache2.service - The Apache HTTP Server...
Mar 25 12:54:05 ip-172-31-13-44 systemd[1]: apache2.service: Deactivated successfully.
Mar 25 12:54:05 ip-172-31-13-44 systemd[1]: Stopped apache2.service - The Apache HTTP Server.
root@ip-172-31-13-44:~#
```

i-05f389c61b2462153 (Ansible-worker-01)

PublicIPs: 3.133.118.223 PrivateIPs: 172.31.13.44

Checked status in worker -02

```
root@ip-172-31-3-97:~# systemctl status apache2
o apache2.service - The Apache HTTP Server
     Loaded: loaded (/usr/lib/systemd/system/apache2.service; enabled; preset: enabled)
     Active: inactive (dead) since Tue 2025-03-25 12:54:05 UTC; 17s ago
   Duration: 22min 7.114s
       Docs: https://httpd.apache.org/docs/2.4/
    Process: 3988 ExecStop=/usr/sbin/apachectl graceful-stop (code=exited, status=0/SUCCESS)
   Main PID: 3103 (code=exited, status=0/SUCCESS)
        CPU: 111ms

Mar 25 12:31:57 ip-172-31-3-97 systemd[1]: Starting apache2.service - The Apache HTTP Server...
Mar 25 12:31:57 ip-172-31-3-97 systemd[1]: Started apache2.service - The Apache HTTP Server.
Mar 25 12:54:04 ip-172-31-3-97 systemd[1]: Stopping apache2.service - The Apache HTTP Server...
Mar 25 12:54:05 ip-172-31-3-97 systemd[1]: apache2.service: Deactivated successfully.
Mar 25 12:54:05 ip-172-31-3-97 systemd[1]: Stopped apache2.service - The Apache HTTP Server.
root@ip-172-31-3-97:~#
```

→What if you do not have SSH key-based? How to pass username and password?

Yes we can create by using below command:

----> ansible all -m ping --user=ansadm --ask-pass

First generate ssh key

```
root@ip-172-31-7-71:~# cat /root/.ssh/id_ed25519.pub
ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAII/vZeIp9x4JNIb2DMOssVjYE7FvfFxHX9DYfItuuHVp root@ip-172-31-7-71
```

Here user=root

So now command is

ansible all -m ping --user=root --ask-pass

then ask password enter that key as password

```
root@ip-172-31-7-71:~# ansible all -m ping --user=root --ask-pass
SSH password:
[WARNING]: Invalid characters were found in group names but not replaced, use -vvvv to see details
172.31.13.44 | SUCCESS => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python3"
    },
    "changed": false,
    "ping": "pong"
}
172.31.3.97 | SUCCESS => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python3"
    },
    "changed": false,
    "ping": "pong"
}
root@ip-172-31-7-71:~#
```

→Execute a command as root user (sudo) on host:

ansible all -m shell -a "cat /etc/passwd|grep -i root" -s --ask-sudo-pass

```
root@ip-172-31-7-71:~# ansible all -m shell -a "cat /etc/passwd|grep -i root" -s --ask-sudo-pass
usage: ansible [-h] [--version] [-v] [-b] [--become-method BECOME_METHOD] [--become-user BECOME_USER] [-K | --become-password-file BECOME_PASSWORD_FILE] [-i INVENTORY] [--list-hosts] [-l SUBSET]
               [-P POLL_INTERVAL] [-B SECONDS] [-o] [-t TREE] [--private-key PRIVATE_KEY_FILE] [-u REMOTE_USER] [-c CONNECTION] [-T TIMEOUT] [--ssh-common-args SSH_COMMON_ARGS]
               [--sftp-extra-args SFTP_EXTRA_ARGS] [--scp-extra-args SCP_EXTRA_ARGS] [--ssh-extra-args SSH_EXTRA_ARGS] [-k | --connection-password-file CONNECTION_PASSWORD_FILE] [-C] [-D] [-e EXTRA_VARS]
               [--vault-id VAULT_IDS] [-J | --vault-password-file VAULT_PASSWORD_FILES] [-f FORKS] [-M MODULE_PATH] [--playbook-dir BASEDIR] [--task-timeout TASK_TIMEOUT] [-a MODULE_ARGS] [-m MODULE_NAME]
               pattern
ansible: error: unrecognized arguments: -s --ask-sudo-pass

usage: ansible [-h] [--version] [-v] [-b] [--become-method BECOME_METHOD] [--become-user BECOME_USER] [-K | --become-password-file BECOME_PASSWORD_FILE] [-i INVENTORY] [--list-hosts] [-l SUBSET]
               [-P POLL_INTERVAL] [-B SECONDS] [-o] [-t TREE] [--private-key PRIVATE_KEY_FILE] [-u REMOTE_USER] [-c CONNECTION] [-T TIMEOUT] [--ssh-common-args SSH_COMMON_ARGS]
               [--sftp-extra-args SFTP_EXTRA_ARGS] [--scp-extra-args SCP_EXTRA_ARGS] [--ssh-extra-args SSH_EXTRA_ARGS] [-k | --connection-password-file CONNECTION_PASSWORD_FILE] [-C] [-D] [-e EXTRA_VARS]
               [--vault-id VAULT_IDS] [-J | --vault-password-file VAULT_PASSWORD_FILES] [-f FORKS] [-M MODULE_PATH] [--playbook-dir BASEDIR] [--task-timeout TASK_TIMEOUT] [-a MODULE_ARGS] [-m MODULE_NAME]
               pattern

Define and run a single task 'playbook' against a set of hosts

positional arguments:
  pattern               host pattern
```