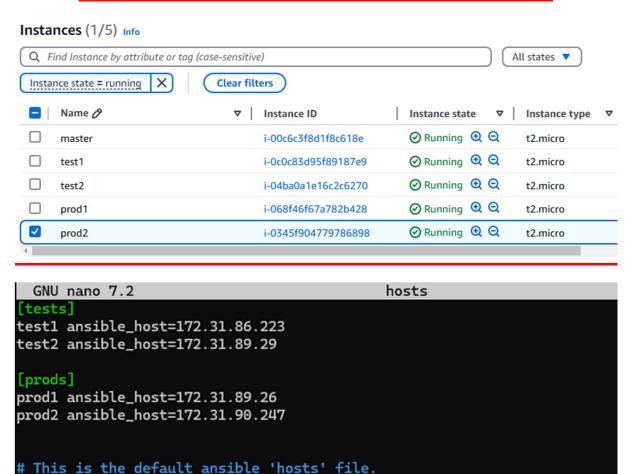
## Module-6: Ansible Assignment - 5



# It should live in /etc/ansible/hosts

- Blank lines are ignored

## green.example.com

- Comments begin with the '#' character

- You can enter hostnames or ip addresses

- Groups of hosts are delimited by [header] elements

- A hostname/ip can be a member of multiple groups

# Ex 1: Ungrouped hosts, specify before any group headers:

```
ubuntu@master:/etc/ansible$ ansible -i hosts tests -m ping
The authenticity of host '172.31.89.29 (172.31.89.29)' can't be established.
ED25519 key fingerprint is SHA256:/MK5r2WQauHAEvadN8kWP5/45LnWB5RJ9E8E0g1sOSM.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? [WARNING]: Platform
linux on host test1 is using the discovered Python interpreter at /usr/bin/python3.12, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.17/reference_appendices/interpreter_discovery.html for more information.
 test1 | SUCCESS => {
      "ansible_facts": {
            "discovered_interpreter_python": "/usr/bin/python3.12"
yes
[WARNING]: Platform linux on host test2 is using the discovered Python interpreter at /usr/bin/python3.12, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible—core/2.17/reference_appendices/interpreter_discovery.html for more information.test2 | SUCCESS => {
      "ansible_facts": {
            "discovered_interpreter_python": "/usr/bin/python3.12"
      "ping": "pong"
ubuntu@master:/etc/ansible$
 ubuntu@master:/etc/ansible$ ansible -i hosts prods -m ping
The authenticity of host '172.31.90.247 (172.31.90.247)' can't be established.
ED25519 key fingerprint is SHA256:9h3vmYV0/wtfpeDf0eDlrvr1IgCwyjDFB5CITLEFMSA.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? [WARNING]: Platform
linux on host prod1 is using the discovered Python interpreter at /usr/bin/python3.12, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.17/reference_appendices/interpreter_discovery.html for more information.
prod1 | SUCCESS => {
      "ansible_facts": {
            "discovered_interpreter_python": "/usr/bin/python3.12"
      "ping": "pong"
yes
/usr/bin/python3.12, but future installation of another Python interpreter at the meaning of that path. See https://docs.ansible.com/ansible-core/2.17/reference_appendices/interpreter_discovery.html for more information.

prod2 | SUCCESS => {
      "ansible_facts": {
            "discovered_interpreter_python": "/usr/bin/python3.12"
      "changed": false,
ubuntu@master:/etc/ansible$
```

```
ubuntu@master:/etc/ansible/roles$ sudo ansible-galaxy init java
- Role java was created successfully
ubuntu@master:/etc/ansible/roles$ sudo ansible-galaxy init mysql
- Role mysql was created successfully
ubuntu@master:/etc/ansible/roles$
```

```
GNU nano 7.2 main.yml *

- name: instal java
apt:
    name: openjdk-11-jdk
    state: present
    update_cache: yes
```

```
GNU nano 7.2 mysql/tasks/main.yml

- name: Install MySQL Server
apt:
    name: mysql-server
    state: present
    update_cache: yes

- name: Start MySQL service
systemd:
    name: mysql
    state: started
    enabled: yes
```

```
GNU nano 7.2

- name: Configure Test Nodes
hosts: test
become: yes
roles:
    - java-role

- name: Configure Prod Nodes
hosts: prod
become: yes
roles:
    - mysql-role
```

```
ntu@master:<mark>/etc/ansible$</mark> ansible-playbook -i /etc/ansible/hosts play.yml
changed: [test2]
changed: [test1]
: ok=3 changed=1 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0
: ok=3 changed=1 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0
: ok=2 changed=1 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0
: ok=2 changed=1 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0
ubuntu@master:/etc/ansible$
ubuntu@test1:~$ java -version
openjdk version "11.0.26" 2025-01-21
OpenJDK Runtime Environment (build 11.0.26+4-post-Ubuntu-1ubuntu124.04)
OpenJDK 64-Bit Server VM (build 11.0.26+4-post-Ubuntu-lubuntu124.04, mixed mode, sharing)
Last Login: Wed Feb 19 10:52:27 2025 from 172.31.86.33
ubuntu@test2:~$ java -version
openjdk version "11.0.26" 2025-01-21
OpenJDK Runtime Environment (build 11.0.26+4-post-Ubuntu-lubuntu124.04)
OpenJDK 64-Bit Server VM (build 11.0.26+4-post-Ubuntu-1ubuntu124.04, mixed mode, sharing)
ubuntu@test2:~$
ubuntu@prod1:~$ mysql --version
mysql Ver 8.0.41-0ubuntu0.24.04.1 for Linux on x86_64 ((Ubuntu))
ubuntu@prod1:~$
 ubuntu@prod2:~$ mysql --version
 mysql Ver 8.0.41-0ubuntu0.24.04.1 for Linux on x86_64 ((Ubuntu))
```