

Module-6: Ansible Assignment - 5

Instances (1/5) [Info](#)

Find Instance by attribute or tag (case-sensitive)

All states ▼

Instance state = running X

Clear filters

<input type="checkbox"/>	Name 🔗	Instance ID	Instance state ▼	Instance type ▼
<input type="checkbox"/>	master	i-00c6c3f8d1f8c618e	Running 🔍 🔍	t2.micro
<input type="checkbox"/>	test1	i-0c0c83d95f89187e9	Running 🔍 🔍	t2.micro
<input type="checkbox"/>	test2	i-04ba0a1e16c2c6270	Running 🔍 🔍	t2.micro
<input type="checkbox"/>	prod1	i-068f46f67a782b428	Running 🔍 🔍	t2.micro
<input checked="" type="checkbox"/>	prod2	i-0345f904779786898	Running 🔍 🔍	t2.micro

```
GNU nano 7.2 hosts
[tests]
test1 ansible_host=172.31.86.223
test2 ansible_host=172.31.89.29

[prods]
prod1 ansible_host=172.31.89.26
prod2 ansible_host=172.31.90.247

# This is the default ansible 'hosts' file.
#
# It should live in /etc/ansible/hosts
#
# - Comments begin with the '#' character
# - Blank lines are ignored
# - Groups of hosts are delimited by [header] elements
# - You can enter hostnames or ip addresses
# - A hostname/ip can be a member of multiple groups
#
# Ex 1: Ungrouped hosts, specify before any group headers:
## green.example.com
```

```
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:/MK5r2WQauHAEvadN8kWP5/45LnWB5RJ9E8EOgl5OSM.
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"
    },
    "changed": false,
    "ping": "pong"
}
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"
    },
    "changed": false,
    "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/wtfpeDfOeDlrvr1IgCwyjDFB5CITlEFMSA.
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"
    },
    "changed": false,
    "ping": "pong"
}
yes
[WARNING]: Platform linux on host prod2 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.
prod2 | SUCCESS => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python3.12"
    },
    "changed": false,
    "ping": "pong"
}
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 play.yml *
- name: Configure Test Nodes
  hosts: test
  become: yes
  roles:
    - java-role
- name: Configure Prod Nodes
  hosts: prod
  become: yes
  roles:
    - mysql-role
```

```

ubuntu@master:/etc/ansible$ ansible-playbook -i /etc/ansible/hosts play.yml

PLAY [Configure Test Nodes] *****

TASK [Gathering Facts] *****
ok: [test1]
ok: [test2]

TASK [java : instal java] *****
changed: [test2]
changed: [test1]

PLAY [Configure Prod Nodes] *****

TASK [Gathering Facts] *****
ok: [prod1]
ok: [prod2]

TASK [mysql : Install MySQL Server] *****
changed: [prod2]
changed: [prod1]

TASK [mysql : Start MySQL service] *****
ok: [prod2]
ok: [prod1]

PLAY RECAP *****
prod1      : ok=3    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
prod2      : ok=3    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
test1      : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
test2      : 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-1ubuntu124.04, mixed mode, sharing)
ubuntu@test1:~$

```

```

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-1ubuntu124.04)
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))
ubuntu@prod2:~$

```