

Module-6: Ansible Assignment - 1

You have been asked to:

- Setup Ansible cluster with 3 nodes

Steps:

We created the 3 instance named:

Ansible_master

Ansible_node1

Ansible_Node2

In Ansible_master we installed the ansible and run the below command to create the key to connect with the nodes also

ssh-keygen (to generate the key)

/root/.ssh/id_rsa.pub (path we got of the key copy this key)

Paste this key inside the nodes in the cat /.ssh/authorized_keys

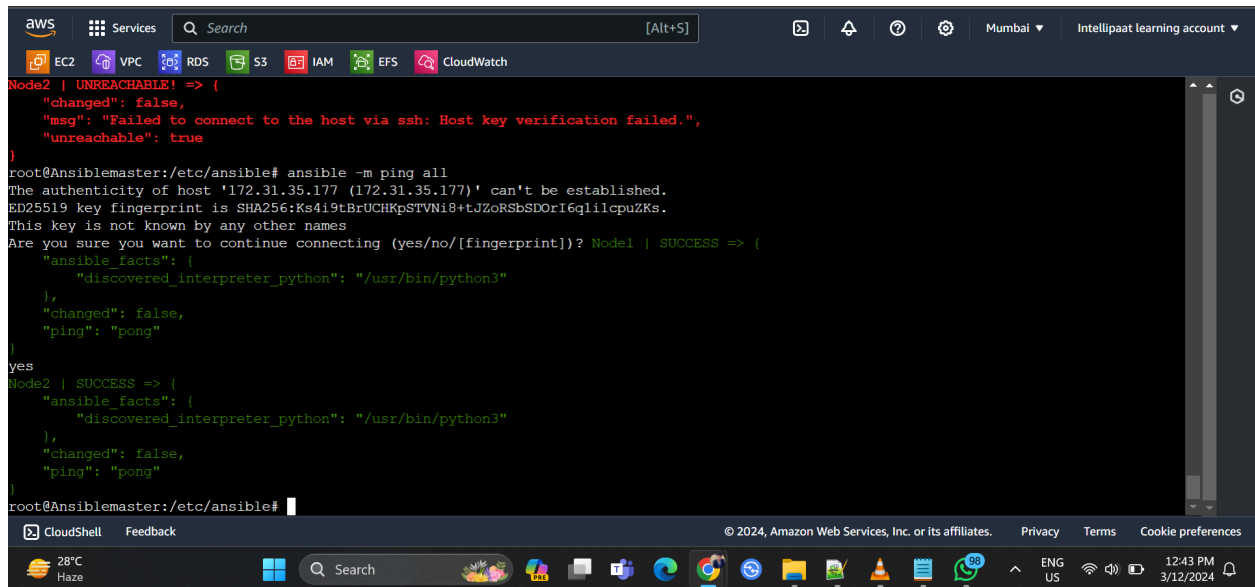
Save the file and update the IP in the Ansible_master in "cat /etc/ansible/hosts"

Node1 ansible_host=172.31.46.189

Node2 ansible_host=172.31.35.177

Save the file and run the below command to check all nodes is connected properly

"ansible -m ping all" 🍌



```
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Node2 | UNREACHABLE! => {
  "changed": false,
  "msg": "Failed to connect to the host via ssh: Host key verification failed.",
  "unreachable": true
}

root@Ansiblemaster:/etc/ansible# ansible -m ping all
The authenticity of host '172.31.35.177 (172.31.35.177)' can't be established.
ED25519 key fingerprint is SHA256:Ks4i9tBrUCHKpSTVNi8+tJz0RSbSD0rI6ql1lcpuZKs.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? Node1 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}

yes
Node2 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}

root@Ansiblemaster:/etc/ansible#
```

- On slave1 install java
- On slave 2 install mysql-server

- name: PLAY1 - install java on 172.31.46.189

hosts: Node1

become: yes

become_user: root

tasks:

- name: task2 - install java

apt:

name: openjdk-17-jdk

state: latest

- name: PLAY2 - install mysql on 172.31.35.177

hosts: Node2

become: yes

become_user: root

tasks:

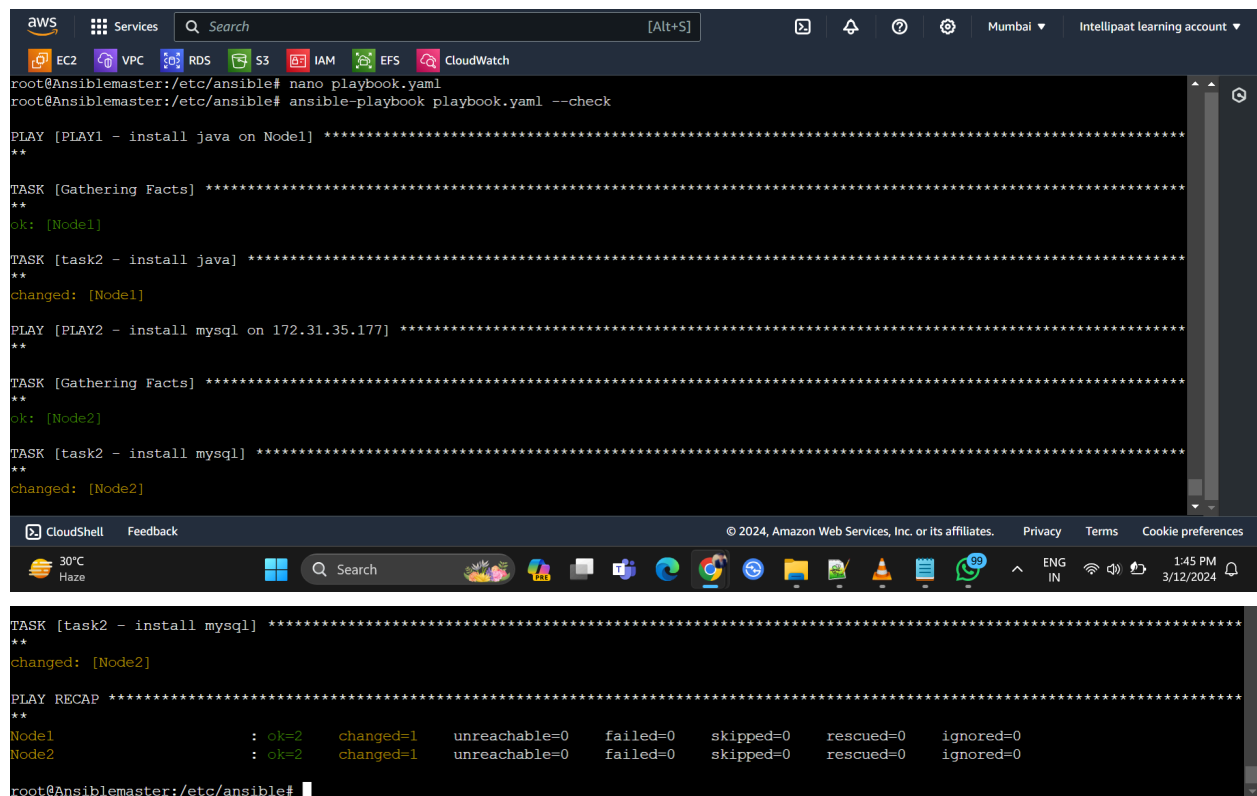
- name: task2 - install mysql

apt:

name: mysql-server

state: latest

Run to execute the task with the below command
ansible-playbook playbook.yaml



```
root@Ansiblemaster:/etc/ansible# nano playbook.yaml
root@Ansiblemaster:/etc/ansible# ansible-playbook playbook.yaml --check

PLAY [PLAY1 - install java on Node1] *****
**

TASK [Gathering Facts] *****
**
ok: [Node1]

TASK [task2 - install java] *****
**
changed: [Node1]

PLAY [PLAY2 - install mysql on 172.31.35.177] *****
**

TASK [Gathering Facts] *****
**
ok: [Node2]

TASK [task2 - install mysql] *****
**
changed: [Node2]

PLAY RECAP *****
**
Node1      : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
Node2      : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0

root@Ansiblemaster:/etc/ansible#
```

Do the above tasks using Ansible playbooks