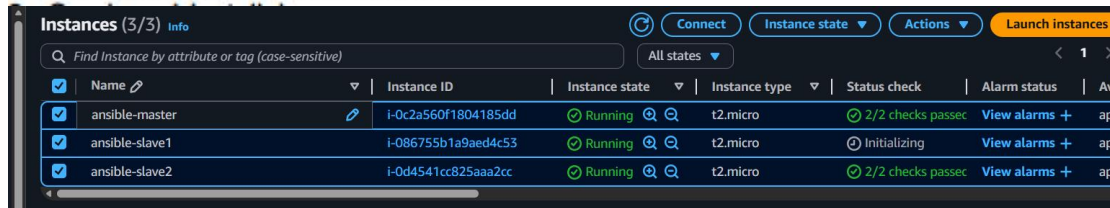# Tasks To Be Performed:

1. Setup Ansible cluster with 3 nodes
2. On slave 1 install Java
3. On slave 2 install MySQL server

Do the above tasks using Ansible Playbooks

==

1. Setup Ansible cluster with 3 nodes

	Name		Instance ID	Instance state	▽	Instance type	▽	Status check	Alarm status	Av
☑	ansible-master	✏	i-0c2a560f1804185dd	⊘ Running ⊕ ⊖		t2.micro		⊘ 2/2 checks passec	View alarms +	ap
☑	ansible-slave1		i-086755b1a9aed4c53	⊘ Running ⊕ ⊖		t2.micro		⏱ Initializing	View alarms +	ap
☑	ansible-slave2		i-0d4541cc825aaa2cc	⊘ Running ⊕ ⊖		t2.micro		⊘ 2/2 checks passec	View alarms +	ap

Instances (3/3) Info   Connect   Instance state ▼   Actions ▼   Launch instances

All states ▼

2. On slave 1 install Java

3. On slave 2 install MySQL server

```
---
- name: Install Java on Slave 1
  hosts: slave-1
  become: true
  tasks:
    - name: Installing Java
      apt: name=openjdk-17-jdk state=latest

- name: Install MySQL on Slave 2
  hosts: slave-2
  become: true
  tasks:
    - name: Installing MySQL
      apt: name=mysql-server state=latest
```

^G Help   ^O Write Out   ^W Where Is   ^K Cut   ^T Ex
^X Exit   ^R Read File   ^\ Replace   ^U Paste   ^J Ju

i-0c2a560f1804185dd (ansible-master)

```
ubuntu@ip-172-31-11-69:/etc/ansible$  ansible-playbook play1.yaml
[WARNING]: Invalid characters were found in group names but not replaced, use -vvvv to see details

PLAY [Install Java on Slave 1] ****************************************************************************

TASK [Gathering Facts] ***********************************************************************************
[WARNING]: Host '172.31.3.174' is using the discovered Python interpreter at '/usr/bin/python3.12', but future installation of another Python interpreter could cause a
different interpreter to be discovered. See https://docs.ansible.com/ansible-core/2.19/reference_appendices/interpreter_discovery.html for more information.
ok: [172.31.3.174]

TASK [Installing Java] ***********************************************************************************
changed: [172.31.3.174]

PLAY [Install MySQL on Slave 2] **************************************************************************

TASK [Gathering Facts] ***********************************************************************************
[WARNING]: Host '172.31.12.184' is using the discovered Python interpreter at '/usr/bin/python3.12', but future installation of another Python interpreter could cause a
 different interpreter to be discovered. See https://docs.ansible.com/ansible-core/2.19/reference_appendices/interpreter_discovery.html for more information.
ok: [172.31.12.184]

TASK [Installing MySQL] **********************************************************************************
changed: [172.31.12.184]

PLAY RECAP ***************************************************************************************
172.31.12.184              : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
172.31.3.174               : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0

ubuntu@ip-172-31-11-69:/etc/ansible$
```

i-0c2a560f1804185dd (ansible-master)
PublicIPs: 43.204.107.107   PrivateIPs: 172.31.11.69

```
Last login: Fri Nov  7 05:28:42 2025 from 172.31.11.69
ubuntu@ip-172-31-3-174:~$ java -version
openjdk version "17.0.16" 2025-07-15
OpenJDK Runtime Environment (build 17.0.16+8-Ubuntu-0ubuntu124.04.1)
OpenJDK 64-Bit Server VM (build 17.0.16+8-Ubuntu-0ubuntu124.04.1, mixed mode, sharing)
ubuntu@ip-172-31-3-174:~$
```

i-086755b1a9aed4c53 (ansible-slave1)

PublicIPs: 13.126.141.131   PrivateIPs: 172.31.3.174

```
Last login: Fri Nov  7 05:09:05 2025 from 172.31.11.69
ubuntu@ip-172-31-12-184:~$ mysql -V
mysql  Ver 8.0.43-0ubuntu0.24.04.2 for Linux on x86_64 ((Ubuntu))
ubuntu@ip-172-31-12-184:~$
```

i-0d4541cc825aaa2cc (ansible-slave2)

PublicIPs: 3.110.44.43   PrivateIPs: 172.31.12.184