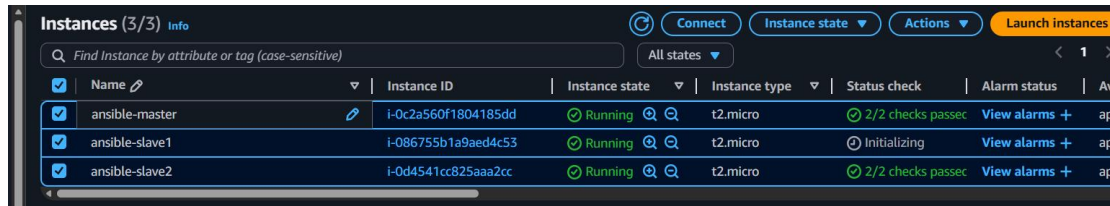


Tasks To Be Performed:

1. Create 2 Ansible roles
2. Install Apache2 on slave1 using one role and NGINX on slave2 using the other role
3. Above should be implemented using different Ansible roles

1. Create 2 Ansible roles



Name	Instance ID	Instance state	Instance type	Status check	Alarm status
ansible-master	i-0c2a560f1804185dd	Running	t2.micro	2/2 checks passed	View alarms
ansible-slave1	i-086755b1a9aed4c53	Running	t2.micro	Initializing	View alarms
ansible-slave2	i-0d4541cc825aaa2cc	Running	t2.micro	2/2 checks passed	View alarms

2. Install Apache2 on slave1 using one role and NGINX on slave2 using the other role

3. Above should be implemented using different Ansible roles

3. Above should be implemented using different Ansible roles

```
ubuntu@ip-172-31-11-69:/etc/ansible/roles$ sudo ansible-galaxy init apache-role
- Role apache-role was created successfully
ubuntu@ip-172-31-11-69:/etc/ansible/roles$ sudo ansible-galaxy init nginx-role
- Role nginx-role was created successfully
ubuntu@ip-172-31-11-69:/etc/ansible/roles$ ls
apache-role  nginx-role
ubuntu@ip-172-31-11-69:/etc/ansible/roles$
```

i-0c2a560f1804185dd (ansible-master)

Public IPs: 43.204.107.107 Private IPs: 172.31.11.69

GNU nano 2.9.2

```
- name: Installing Apache2
  apt: name=apache2 state=latest
```

```
#SPDX-License-Identifier: MIT-0
---

# tasks file for apache-role
- include_tasks: install.yaml
```

GNU nano 7.2

```
- name: Installing NGINX
  apt: name=nginx state=present
```

GNU nano 7.2

```
#SPDX-License-Identifier: MIT-0
---
# tasks file for nginx-role
- include_tasks: installnginx.yaml
```

PlayBook File(YAML)

GNU nano 7.2

```
---
- name: Execute Apache role on Slave1
  hosts: slave-1
  become: true
  roles:
    - apache-role

- name: Execute NGINX role on Slave2
  hosts: slave-2
  become: true
  roles:
    - nginx-role
```

```
playbook: play3.yaml
ubuntu@ip-172-31-11-69:~/etc/ansible$ ansible-playbook play3.yaml
[WARNING]: Invalid characters were found in group names but not replaced, use -vvvv to see details

PLAY [Execute Apache role on Slave1] *****

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 [apache-role : include_tasks] *****
included: /etc/ansible/roles/apache-role/tasks/install.yaml for 172.31.3.174

TASK [apache-role : Installing Apache2] *****
changed: [172.31.3.174]

PLAY [Execute NGINX role on Slave2] *****

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 [nginx-role : include_tasks] *****
included: /etc/ansible/roles/nginx-role/tasks/installnginx.yaml for 172.31.12.184

TASK [nginx-role : Installing NGINX] *****
changed: [172.31.12.184]

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

```
TASK [nginx-role : Installing NGINX] *****
changed: [172.31.12.184]

PLAY RECAP *****
172.31.12.184      : ok=3    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
172.31.3.174      : ok=3    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
```

