Module-6: Ansible Assignment - 3

You have been asked to:

● Create 2 Ansible Roles

inside the
cd /etc/ansible/roles

Run the command "ansible-galaxy init apache2"

cd apache2 -> tasks folder -> main.yaml folder created bydefault
Now we are creating the file called "install.yaml" in the task folder only

Inside that file :

```
-  name: task1 in install.yaml
   when: ansible_distribution == "Ubuntu"
   apt:
     name: apache2
     state: latest
```

Now we will update the main.yaml

Playbook for :

- include_tasks: install.yaml

----

inside the

cd /etc/ansible/roles

ansible-galaxy init nginx

cd apache2 -> tasks folder -> main.yaml folder created bydefault
Now we are creating the file called "install.yaml"

Inside that file :

```
-name: task1 in install.yaml
  when: ansible_distribution == "Ubuntu"
  apt:
    name: nginx
        state: latest
```

Now we will update the main.yaml

Playbook for :

```
- include_tasks: install.yaml
```

Inside the home path created the playbook:
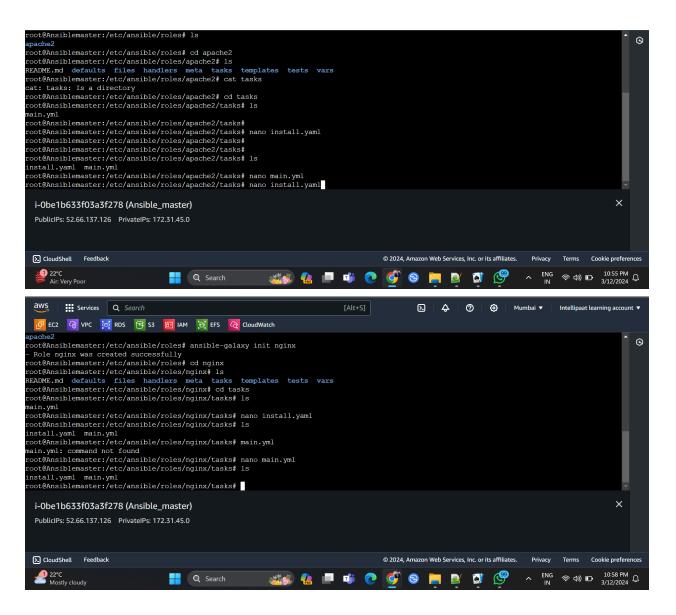
```
- name: install apache2
  hosts: Node1
  become: yes
  tasks:
  roles:
  - apache2

- name: install nginx
  hosts: Node2
  become: yes
  tasks:
  roles:
    - nginx
```

```
root@Ansiblemaster:/etc/ansible/roles# ls
apache2
root@Ansiblemaster:/etc/ansible/roles# cd apache2
root@Ansiblemaster:/etc/ansible/roles/apache2# ls
README.md  defaults  files  handlers  meta  tasks  templates  tests  vars
root@Ansiblemaster:/etc/ansible/roles/apache2# cat tasks
cat: tasks: Is a directory
root@Ansiblemaster:/etc/ansible/roles/apache2# cd tasks
root@Ansiblemaster:/etc/ansible/roles/apache2/tasks# ls
main.yml
root@Ansiblemaster:/etc/ansible/roles/apache2/tasks#
root@Ansiblemaster:/etc/ansible/roles/apache2/tasks# nano install.yaml
root@Ansiblemaster:/etc/ansible/roles/apache2/tasks#
root@Ansiblemaster:/etc/ansible/roles/apache2/tasks#
root@Ansiblemaster:/etc/ansible/roles/apache2/tasks# ls
install.yaml  main.yml
root@Ansiblemaster:/etc/ansible/roles/apache2/tasks# nano main.yml
root@Ansiblemaster:/etc/ansible/roles/apache2/tasks# nano install.yaml
```

i-0be1b633f03a3f278 (Ansible_master)

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```
apache2
root@Ansiblemaster:/etc/ansible/roles# ansible-galaxy init nginx
- Role nginx was created successfully
root@Ansiblemaster:/etc/ansible/roles# cd nginx
root@Ansiblemaster:/etc/ansible/roles/nginx# ls
README.md  defaults  files  handlers  meta  tasks  templates  tests  vars
root@Ansiblemaster:/etc/ansible/roles/nginx# cd tasks
root@Ansiblemaster:/etc/ansible/roles/nginx/tasks# ls
main.yml
root@Ansiblemaster:/etc/ansible/roles/nginx/tasks# nano install.yaml
root@Ansiblemaster:/etc/ansible/roles/nginx/tasks# ls
install.yaml  main.yml
root@Ansiblemaster:/etc/ansible/roles/nginx/tasks# main.yml
main.yml: command not found
root@Ansiblemaster:/etc/ansible/roles/nginx/tasks# nano main.yml
root@Ansiblemaster:/etc/ansible/roles/nginx/tasks# ls
install.yaml  main.yml
root@Ansiblemaster:/etc/ansible/roles/nginx/tasks#
```

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● Install apache2 on slave1 using one role and nginx on slave2 using the other role

Above should be implemented using different Ansible Roles

```
root@Ansiblemaster:~# ansible-playbook play3.yaml --check

PLAY [install apache2] **********************************************************************************************

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

TASK [apache2 : include_tasks] *************************************************************************************
included: /etc/ansible/roles/apache2/tasks/install.yaml for Node1

TASK [apache2 : task1 in install.yaml] ****************************************************************************
changed: [Node1]

PLAY [install nginx] ***********************************************************************************************

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

TASK [nginx : include_tasks] **************************************************************************************
included: /etc/ansible/roles/nginx/tasks/install.yaml for Node2

TASK [nginx : task1 in install.yaml] ******************************************************************************
changed: [Node2]

PLAY RECAP *********************************************************************************************************
Node1                      : ok=3    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
Node2                      : ok=3    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0

root@Ansiblemaster:~#
```