#### Module 5: Ansible Assignment - 3

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

#### Solution:-

\$ cd /etc/ansible/roles roles\$ sudo ansible-galaxy init apache2

```
erver@Ansible-Server:/home/Server/ansible/roles$ sudo ansible-galaxy init Server.apache2
 Role Server.apache2 was created successfully
Gerver@Ansible-Server:/home/Server/ansible/roles$ sudo ansible-galaxy init Server.nginx
 Role Server.nginx was created successfully
Server@Ansible-Server:/home/Server/ansible/roles$ ls
Server.apache2 Server.nginx
Server@Ansible-Server:/home/Server/ansible/roles$ cd Server.apache2/
Server@Ansible-Server:/home/Server/ansible/roles/Server.apache2$ ls -al
total 44
drwxr-xr-x 10 root root 4096 Aug 15 12:48 .
drwxrwxr-x 4 Server Server 4096 Aug 15 12:49 ...
-rw-r--r-- 1 root root 1328 Aug 15 12:48 RF
-rw-r--r-- 1 root root 1328 Aug 15 12:48 README.m
drwxr-xr-x 2 root root 4096 Aug 15 12:48 defaults
                               1328 Aug 15 12:48 README.md
drwxr-xr-x 2 root root 4096 Aug 15 12:48 files
drwxr-xr-x 2 root root 4096 Aug 15 12:48 handlers
drwxr-xr-x 2 root root 4096 Aug 15 12:48 meta
drwxr-xr-x 2 root root 4096 Aug 15 12:48 tasks
drwxr-xr-x 2 root root 4096 Aug 15 12:48 templates drwxr-xr-x 2 root root 4096 Aug 15 12:48 tests
drwxr-xr-x 2 root root 4096 Aug 15 12:48 vars
Server@Ansible-Server:/home/Server/ansible/roles/Server.apache2$ cd tasks/
Server@Ansible-Server:/home/Server/ansible/roles/Server.apache2/tasks$ sudo vi install.yml
```

```
tasks$ sudo vi install.yml
Press I
---
- name: installing apache2
   apt: name=apache2 state=latest
   :wq!
```

name: installing apache2

apt: name=apache2 state=latest

## \$ sudo vi main.yml

Server@Ansible-Server:/home/Server/ansible/roles/Server.apache2/tasks\$ sudo vi main.yml

```
Press I
      - include_tasks: install.yml
 include tasks: install.yml
     $ cd
      $ sudo vi play3.yml
Server@Ansible-Server:/home/Server/ansible/roles/Server.apache2/tasks$ cd
Server@Ansible-Server:/home/Server$ sudo vi play3.yml
      Press I
      - name: installing apache2 on Slave1
       hosts: Slave1
       become: true
       roles:
       - apache2
       name: installing nginx on Slave2
       hosts: Slave2
       become: true
       roles:
       - nginx
```

```
---
- name: installing apache2 on Slave1
hosts: Slave1
become: true
roles:
- Server.apache2
- name: installing nginx on Slave2
hosts: Slave2
become: true
roles:
- Server.nginx
```

#### tasks\$ sudo vi install.yml

Server@Ansible-Server:/home/Server\$ cd ansible/roles/Server.nginx/tasks/ Server@Ansible-Server:/home/Server/ansible/roles/Server.nginx/tasks\$ sudo vi install.yml

```
Press I
---
- name: installing nginx
apt: name=nginx state=latest
:wq!
```

```
---
- name: installing nginx
apt: name=nginx state=latest
```

\$ sudo vi main.yml

Server@Ansible-Server:/home/Server/ansible/roles/Server.nginx/tasks\$ sudo vi main.yml

```
Press I
---
- include_tasks: install.yml
:wq!
```

```
- include_tasks: install.yml
```

## \$ cd \$ ansible-playbook play3.yml --syntax-check

Server@Ansible-Server:/home/Server/ansible\$ ansible-playbook play3.yml --syntax-check playbook: play3.yml

### \$ ansible-playbook play3.yml --check

```
****************
* *
changed=1
                failed=0
           unreachable=0
                  skippe
    ignored=0
d=0 rescued=0
      : ok=3
        changed=1
           unreachable=0
                failed=0
                  skippe
d=0
 rescued=0
    ignored=0
```

## \$ ansible-playbook play3.yml

```
* *
***********
*************************
* *
*************
****************
* *
        changed=1
                failed=0
            unreachable=0
                   skippe
d=0 rescued=0 ignored=0
172.31.41.112
        changed=1
            unreachable=0
                failed=0
                   skippe
d=0
 rescued=0 ignored=0
```

### \* Apache2 install in node1:-



# \* NGINX install in Node2:-

