

Module 5: Ansible Assignment - 4

1. Use the previous deployment of Ansible cluster
 2. Configure the files folder in the role with index.html which should be replaced with the original index.html.
- All of the above should only happen on the slave which has NGINX installed using the role.

Solution:-

```
$ cd /etc/ansible/roles/apache2/files
```

```
Server@Ansible-Server:/$ cd /home/Server/ansible/roles/Server.apache2/files
Server@Ansible-Server:/home/Server/ansible/roles/Server.apache2/files$ sudo vi index.html
```

```
$ sudo vi index.html
Press I
Custom index.html for apache2.
:wq!
```

```
Custom index.html for apache2.~
```

```
$ cd ..
$ cd tasks
$ sudo vi copy.yml
```

```
Server@Ansible-Server:/home/Server/ansible/roles/Server.apache2/files$ cd ..
Server@Ansible-Server:/home/Server/ansible/roles/Server.apache2$ cd tasks/
Server@Ansible-Server:/home/Server/ansible/roles/Server.apache2/tasks$ sudo vi copy.yml
```

```
Press I
---
- name: copying new index.html file
  copy:    src=/etc/ansible/roles/apache2/files/index.html
          dest=/var/www/html
:wq!
```

```
---
- name: copying new index.html file
  copy: src=/home/Server/ansible/roles/Server.apache2/files/index.html dest=/var/www/html
~
```

\$ 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: copy.yml
:wq!
```

```
---
- include_tasks: install.yml
- include_tasks: copy.yml
~
```

\$ cd /etc/ansible/roles/nginx/files

\$ sudo vi index.html

```
Server@Ansible-Server:/home/Server$ cd /home/Server/ansible/roles/Server.nginx/files
Server@Ansible-Server:/home/Server/ansible/roles/Server.nginx/files$ sudo vi index.html
```

Press I

```
Custom index.html for nginx.
:wq!
```

```
Custom index.html for nginx.
~
```

\$ cd ..

\$ cd tasks

\$ sudo vi copy.yml

```
Server@Ansible-Server:/home/Server/ansible/roles/Server.nginx/files$ cd ..
Server@Ansible-Server:/home/Server/ansible/roles/Server.nginx$ cd tasks/
Server@Ansible-Server:/home/Server/ansible/roles/Server.nginx/tasks$ sudo vi copy.yml
```

Press i

```
---  
- name: copying new index.html file  
  copy:      src=/etc/ansible/roles/nginx/files/index.html  
            dest=/var/www/html
```

:wq!

```
---  
- name: copying new index.html file  
  copy: src=/home/Server/ansible/roles/Server/nginx/files/index.html dest=/var/www/html  
~
```

\$ sudo vi main.yml

Press I

```
---  
- include_tasks: install.yml  
- include_tasks: copy.yml  
:wq!
```

```
---  
- include_tasks: install.yml  
- include_tasks: copy.yml  
~
```

\$ cd

\$ sudo vi play4.yml

```
Server@Ansible-Server:/home/Server/ansible/roles/Server/nginx/tasks$ sudo vi main.yml  
Server@Ansible-Server:/home/Server/ansible/roles/Server/nginx/tasks$ cd ../../..  
Server@Ansible-Server:/home/Server/ansible$ ls  
play.yaml  play3.yml  roles  
Server@Ansible-Server:/home/Server/ansible$ sudo vi play4.yml
```

Press I

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

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

\$ ansible-playbook play4.yml --syntax-check

```
Server@Ansible-Server:/home/Server/ansible$ ansible-playbook play4.yml --syntax-check  
playbook: play4.yml  
Server@Ansible-Server:/home/Server/ansible$
```

```
$ ansible-playbook play4.yml --check
```

```
Server@Ansible-Server:/home/Server/ansible$ ansible-playbook play4.yml --check

PLAY [installing apache2 on Slave1] *****
*****
**

TASK [Gathering Facts] *****
*****
**
ok: [172.31.41.112]

TASK [Server.apache2 : include_tasks] *****
*****
**
included: /home/Server/ansible/roles/Server.apache2/tasks/install.yml for 172.31.41.112

TASK [Server.apache2 : installing apache2] *****
*****
**
ok: [172.31.41.112]

TASK [Server.apache2 : include_tasks] *****
*****
**
included: /home/Server/ansible/roles/Server.apache2/tasks/copy.yml for 172.31.41.112

**
included: /home/Server/ansible/roles/Server.apache2/tasks/copy.yml for 172.31.41.112

TASK [Server.apache2 : copying new index.html file] *****
*****
**
changed: [172.31.41.112]

PLAY [installing nginx on Slave2] *****
*****
**

TASK [Gathering Facts] *****
*****
**
ok: [172.31.35.248]

TASK [Server.nginx : include_tasks] *****
*****
**
included: /home/Server/ansible/roles/Server.nginx/tasks/install.yml for 172.31.35.248

TASK [Server.nginx : installing nginx] *****
*****
**
ok: [172.31.35.248]

TASK [Server.nginx : include_tasks] *****
*****
```



```

ok: [172.31.35.248]

TASK [Server.nginx : include_tasks] *****
*****
**
included: /home/Server/ansible/roles/Server.nginx/tasks/copy.yml for 172.31.35.248

TASK [Server.nginx : copying new index.html file] *****
*****
**
changed: [172.31.35.248]

PLAY RECAP *****
*****
**
172.31.35.248      : ok=5    changed=1    unreachable=0    failed=0    skippe
d=0    rescued=0    ignored=0
172.31.41.112    : ok=5    changed=1    unreachable=0    failed=0    skippe
d=0    rescued=0    ignored=0

```

\$ ansible-playbook play4.yml

```

Server@Ansible-Server:/home/Server/ansible$ ansible-playbook play4.yml

PLAY [installing apache2 on Slave1] *****
*****
**

TASK [Gathering Facts] *****
*****
**
ok: [172.31.41.112]

TASK [Server.apache2 : include_tasks] *****
*****
**
included: /home/Server/ansible/roles/Server.apache2/tasks/install.yml for 172.31.41.112

TASK [Server.apache2 : installing apache2] *****
*****
**
ok: [172.31.41.112]

TASK [Server.apache2 : include_tasks] *****
*****
**
included: /home/Server/ansible/roles/Server.apache2/tasks/copy.yml for 172.31.41.112

TASK [Server.apache2 : copying new index.html file] *****
*****

```

```

changed: [172.31.41.112]

PLAY [installing nginx on Slave2] *****
*****
**

TASK [Gathering Facts] *****
*****
**
ok: [172.31.35.248]

TASK [Server.nginx : include_tasks] *****
*****
**
included: /home/Server/ansible/roles/Server.nginx/tasks/install.yml for 172.31.35.248

TASK [Server.nginx : installing nginx] *****
*****
**
ok: [172.31.35.248]

TASK [Server.nginx : include_tasks] *****
*****
**
included: /home/Server/ansible/roles/Server.nginx/tasks/copy.yml for 172.31.35.248

```

```

ok: [172.31.35.248]

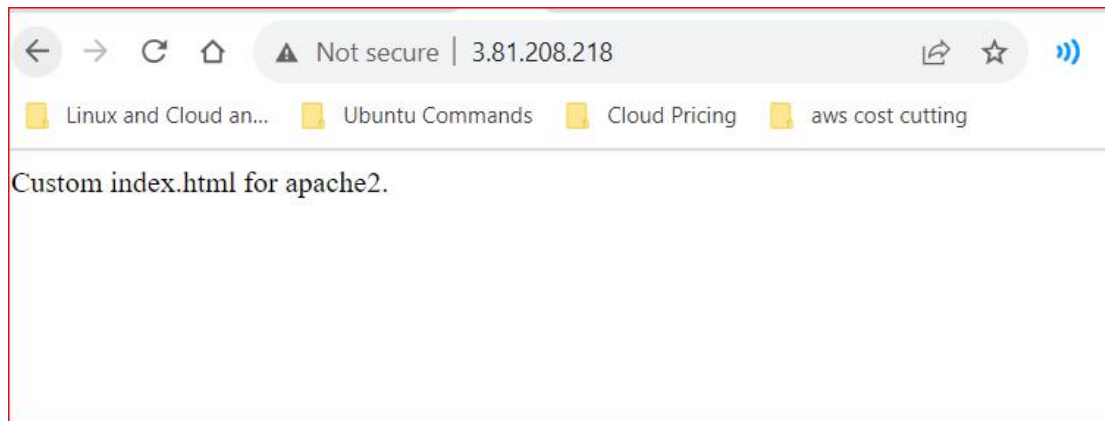
TASK [Server.nginx : include_tasks] *****
*****
**
included: /home/Server/ansible/roles/Server.nginx/tasks/copy.yml for 172.31.35.248

TASK [Server.nginx : copying new index.html file] *****
*****
**
changed: [172.31.35.248]

PLAY RECAP *****
*****
**
172.31.35.248      : ok=5    changed=1    unreachable=0    failed=0    skippe
d=0    rescued=0    ignored=0
172.31.41.112     : ok=5    changed=1    unreachable=0    failed=0    skippe
d=0    rescued=0    ignored=0

```

* Apache2 install in node1:-



* NGINX install in node2:-

