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

- Nginx is installed in slave2 server having IP 52.90.234.98
-
- An ansible role replacerole is created

```
ubuntu@ansible-master:~$ ansible-galaxy init replacerole
- Role replacerole was created successfully
```

- Navigated into replacerole , defaults and a new index.html file is created.

```
ubuntu@ansible-master:~$ ansible-galaxy init replacerole
- Role replacerole was created successfully
ubuntu@ansible-master:~$ cd replacerole
ubuntu@ansible-master:~/replacerole$ ls
README.md  defaults  files  handlers  meta  tasks  templates  tests  vars
ubuntu@ansible-master:~/replacerole$ cd tasks
ubuntu@ansible-master:~/replacerole/tasks$ ls
main.yml
ubuntu@ansible-master:~/replacerole/tasks$ vi main.yml
ubuntu@ansible-master:~/replacerole/tasks$ vi main.yml
ubuntu@ansible-master:~/replacerole/tasks$ cd ..
ubuntu@ansible-master:~/replacerole$ cd defaults
ubuntu@ansible-master:~/replacerole/defaults$ ls
main.yml
ubuntu@ansible-master:~/replacerole/defaults$ vi index.html
```

```
<head>
        <title>"File  replace"</title>
        <body>"The index.html is replaced"</body>
</head>
~
~
~
```

- Navigated into the replacerole and tasks , main.yml file is edited with the script to replace index.html file in nginx installed server.

```
ubuntu@ansible-master:~$ ansible-galaxy init replacerole
- Role replacerole was created successfully
ubuntu@ansible-master:~$ cd replacerole
ubuntu@ansible-master:~/replacerole$ ls
README.md  defaults  files  handlers  meta  tasks  templates  tests  vars
ubuntu@ansible-master:~/replacerole$ cd tasks
ubuntu@ansible-master:~/replacerole/tasks$ ls
main.yml
ubuntu@ansible-master:~/replacerole/tasks$ vi main.yml
ubuntu@ansible-master:~/replacerole/tasks$ vi main.yml
ubuntu@ansible-master:~/replacerole/tasks$ cd ..
ubuntu@ansible-master:~/replacerole$ cd defaults
ubuntu@ansible-master:~/replacerole/defaults$ ls
main.yml
ubuntu@ansible-master:~/replacerole/defaults$ vi index.html
```

```
---
# tasks file for replacerol
- name: replace index.html
  copy:
    src: ~/replacerole/defaults/index.html
    dest: /var/www/html/index.html
~
~
~
~
```

- Navigated out of replacerole and a replacefile.yml playbook is created with the host and role details

```
ubuntu@ansible-master:~$ cd ~/replacerole/defaults
ubuntu@ansible-master:~/replacerole/defaults$ ls
index.html  main.yml
ubuntu@ansible-master:~/replacerole/defaults$ vi index.html
ubuntu@ansible-master:~/replacerole/defaults$ cd ..
ubuntu@ansible-master:~/replacerole$ cd tasks
ubuntu@ansible-master:~/replacerole/tasks$ ls
main.yml
ubuntu@ansible-master:~/replacerole/tasks$ vi main,yml
ubuntu@ansible-master:~/replacerole/tasks$ vi main.yml
ubuntu@ansible-master:~/replacerole/tasks$ cd
ubuntu@ansible-master:~$ vi replacefile.yaml
```

```
---
- hosts: slave2
  become: yes
  roles:
    - replacerole
~
~
~
~
~
```

Replacerole.yml playbook syntax is validated and executed to successfully replace index.html file in slave2 in which nginx is installed

```
ubuntu@ansible-master:~$ ansible-playbook replacefile.yaml

PLAY [slave2] ********************************************************************************************************

TASK [Gathering Facts] **********************************************************************************************
ok: [slave2]

TASK [replacerole : replace index.html] *****************************************************************************
changed: [slave2]

PLAY RECAP **********************************************************************************************************
slave2                     : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
```

"The index.html is replaced"