Module 5: Ansible Assignment - 4

Tasks To Be Performed:

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:

Default Nginx Page

Step 1: Prepare the index.html File

```
  GNU nano 7.2
<!DOCTYPE html>
<html>
<body>

<h1>My First Heading</h1>
<p>My first paragraph.</p>

</body>
</html>

^G Help          ^O Write Out     ^W Where Is      ^K Cut
^X Exit          ^R Read File     ^\ Replace       ^U Paste
```

i-07b3bf267f740b1a3 (Ansible-M)

PublicIPs: 43.204.108.130   PrivateIPs: 172.31.8.31

```
ubuntu@ip-172-31-8-31:/etc/ansible/roles/nginx$ ls
README.md   defaults   files   handlers   meta   tasks   templates   tests   vars
ubuntu@ip-172-31-8-31:/etc/ansible/roles/nginx$ cd files
ubuntu@ip-172-31-8-31:/etc/ansible/roles/nginx/files$ ls
ubuntu@ip-172-31-8-31:/etc/ansible/roles/nginx/files$ sudo nano index.html
ubuntu@ip-172-31-8-31:/etc/ansible/roles/nginx/files$ ls
index.html
ubuntu@ip-172-31-8-31:/etc/ansible/roles/nginx/files$ cat index.html
<!DOCTYPE html>
<html>
<body>

<h1>My First Heading</h1>
<p>My first paragraph.</p>

</body>
</html>
ubuntu@ip-172-31-8-31:/etc/ansible/roles/nginx/files$ 
```

i-07b3bf267f740b1a3 (Ansible-M)

PublicIPs: 43.204.108.130   PrivateIPs: 172.31.8.31

Step 2: Add the index.html File to the NGINX Role

```
ubuntu@ip-172-31-8-31:/etc/ansible/roles/nginx$ cd tasks
ubuntu@ip-172-31-8-31:/etc/ansible/roles/nginx/tasks$ ls
install.yaml   main.yml
ubuntu@ip-172-31-8-31:/etc/ansible/roles/nginx/tasks$ sudo nano copy.yaml
ubuntu@ip-172-31-8-31:/etc/ansible/roles/nginx/tasks$ 
```

i-07b3bf267f740b1a3 (Ansible-M)

PublicIPs: 43.204.108.130   PrivateIPs: 172.31.8.31

```
GNU nano 7.2                                          copy.yaml *
---
- name: copy new index.html file
  copy: src=/etc/ansible/roles/nginx/files/index.html
        dest=/var/www/html/█
```

```
^G Help      ^O Write Out   ^W Where Is   ^K Cut     ^T Execute   ^C Location     M-U Un
^X Exit      ^R Read File    ^\ Replace    ^U Paste   ^J Justify   ^/ Go To Line   M-E Re
```

i-07b3bf267f740b1a3 (Ansible-M)

PublicIPs: 43.204.108.130   PrivateIPs: 172.31.8.31

```
GNU nano 7.2                                          main.yml *
---
- include_tasks: copy.yaml█
```

```
^G Help      ^O Write Out   ^W Where Is   ^K Cut     ^T Execute   ^C Loc
^X Exit      ^R Read File    ^\ Replace    ^U Paste   ^J Justify   ^/ Go
```

i-07b3bf267f740b1a3 (Ansible-M)

PublicIPs: 43.204.108.130   PrivateIPs: 172.31.8.31

Step 3: Run the play3.yml Playbook

```
ubuntu@ip-172-31-8-31:/etc/ansible/roles/nginx/tasks$ ls
install.yaml  main.yml
ubuntu@ip-172-31-8-31:/etc/ansible/roles/nginx/tasks$ sudo nano copy.yaml
ubuntu@ip-172-31-8-31:/etc/ansible/roles/nginx/tasks$ sudo nano copy.yaml
ubuntu@ip-172-31-8-31:/etc/ansible/roles/nginx/tasks$ sudo nano main.yml
ubuntu@ip-172-31-8-31:/etc/ansible/roles/nginx/tasks$ cd ../../..
ubuntu@ip-172-31-8-31:/etc/ansible$ ansible-playbook play3.yaml --check

PLAY [executing roles on Slave1] *******************************************

TASK [Gathering Facts] *****************************************************
ok: [Slave1]

TASK [apache2 : include_tasks] *********************************************
```

i-07b3bf267f740b1a3 (Ansible-M)

PublicIPs: 43.204.108.130   PrivateIPs: 172.31.8.31

```
ubuntu@ip-172-31-8-31:/etc/ansible$ ansible-playbook play3.yaml

PLAY [executing roles on Slave1] *******************************************

TASK [Gathering Facts] *****************************************************
ok: [Slave1]

TASK [apache2 : include_tasks] *********************************************
```

i-07b3bf267f740b1a3 (Ansible-M)

PublicIPs: 43.204.108.130   PrivateIPs: 172.31.8.31

i-07b3bf267f740b1a3 (Ansible-M)

PublicIPs: 43.204.108.130   PrivateIPs: 172.31.8.31

```
ubuntu@ip-172-31-9-136:/var/www/html$ ls
index.html   index.nginx-debian.html
ubuntu@ip-172-31-9-136:/var/www/html$
```

i-00e222e2f8f755356 (Ansible-S2)

PublicIPs: 13.201.133.142   PrivateIPs: 172.31.9.136

← → C ⚠ Not secure 13.201.133.142

M Gmail   ▶ YouTube   📍 Maps   🏹 Rich Dad Poor Dad...

My First Heading

My first paragraph.