

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









  Services

GNU nano 7.2

```
<!DOCTYPE html>
<html>
<body>

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

</body>
</html>
```

 Help	 Write Out	 Where Is	 Cut
 Exit	 Read File	 Replace	 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)

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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.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$
```

i-07b3bf267f740b1a3 (Ansible-M)

PublicIPs: 43.204.108.130 PrivateIPs: 172.31.8.31

aws

Services

Search

[Alt+S]

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

aws

Services

Search

[Alt+S]

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

```
aws Services Search [Alt+S] Mumbai VaishnaviGolhar
ok: [Slave1]

TASK [apache2 : include_tasks] *****
included: /etc/ansible/roles/apache2/tasks/install.yaml for Slave1

TASK [apache2 : installing apache2 on Slave1] *****
ok: [Slave1]

PLAY [executing role on Slave2] *****

TASK [Gathering Facts] *****
ok: [Slave2]

TASK [nginx : include_tasks] *****
included: /etc/ansible/roles/nginx/tasks/copy.yaml for Slave2

TASK [nginx : copy new index.html file] *****
changed: [Slave2]

PLAY RECAP *****
Slave1 : ok=3 changed=0 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0
Slave2 : ok=3 changed=1 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

ubuntu@ip-172-31-8-31:/etc/ansible$
```

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

← → ↻ ⚠ Not secure 13.201.133.142

 Gmail  YouTube  Maps  Rich Dad Poor Dad...

My First Heading

My first paragraph.

