

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.

```
ubuntu@ip-172-31-84-65:/etc/ansible/roles$ cd
ubuntu@ip-172-31-84-65:~$ cd /etc/ansible/roles/nginx
ubuntu@ip-172-31-84-65:/etc/ansible/roles/nginx$ mkdir files
mkdir: cannot create directory 'files': File exists
ubuntu@ip-172-31-84-65:/etc/ansible/roles/nginx$ sudo nano file/index.html
ubuntu@ip-172-31-84-65:/etc/ansible/roles/nginx$ ls -la
total 44
drwxr-xr-x 10 root root 4096 Jan 24 10:39 .
drwxr-xr-x  4 root root 4096 Jan 24 10:56 ..
-rw-r--r--  1 root root 1328 Jan 24 10:39 README.md
drwxr-xr-x  2 root root 4096 Jan 24 10:39 defaults
drwxr-xr-x  2 root root 4096 Jan 24 10:39 files
drwxr-xr-x  2 root root 4096 Jan 24 10:39 handlers
drwxr-xr-x  2 root root 4096 Jan 24 10:39 meta
drwxr-xr-x  2 root root 4096 Jan 24 10:59 tasks
drwxr-xr-x  2 root root 4096 Jan 24 10:39 templates
drwxr-xr-x  2 root root 4096 Jan 24 10:39 tests
drwxr-xr-x  2 root root 4096 Jan 24 10:39 vars
ubuntu@ip-172-31-84-65:/etc/ansible/roles/nginx$ sudo nano files/index.html
ubuntu@ip-172-31-84-65:/etc/ansible/roles/nginx$ cd
ubuntu@ip-172-31-84-65:~$ sudo nano /etc/ansible/roles/nginx/tasks/main.yml
ubuntu@ip-172-31-84-65:~$ cd /etc/ansible/roles
```

i-07fbcd510b3dc0918 (Master) X

PublicIPs: 3.86.255.155 PrivateIPs: 172.31.84.65

In the directory NGINX Ansible role; create a files directory and ..to place the index.html file in it.

```
cd /etc/ansible/roles/nginx
mkdir files "already exists"
sudo nano files/index.html
```

.....

Add your custom index.html content and save the file.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Welcome to My Website</title>
</head>
<body>
  <h1>Hello, Ansible!</h1>
</html>
```

.....

Modify the main.yml file in the tasks directory of the nginx role to copy the index.html file to the appropriate location.

```
sudo nano /etc/ansible/roles/nginx/tasks/main.yml
cd /etc/ansible/roles/nginx/tasks : sudo nano main.yml
```

update it with:

```
---
- name: Copy custom index.html on slave with NGINX
  become: yes
  copy:
    src: files/index.html
    dest: /usr/share/nginx/html/index.html
    when: "'slave2' in inventory_hostname"
.....
```

to become:

```
---
- name: Install NGINX
  apt:
    name: nginx
    state: present
- name: Copy custom index.html on slave with NGINX
  become: yes
  copy:
    src: files/index.html
    dest: /usr/share/nginx/html/index.html
    when: "'slave2' in inventory_hostname"
.....
```

Run your playbook, which includes both the apache_role and nginx_role, on both hosts.

```
cd /etc/ansible/roles
```

```
ansible-playbook service.yml
```

```
.....
```

```
117. sudo apt install <deb name>
ubuntu@ip-172-31-84-65:/etc/ansible/roles$ ansible-playbook service.yml

PLAY [Install Services] *****

TASK [Gathering Facts] *****
ok: [slave2]
ok: [slave1]

TASK [apache : Install Apache2] *****
skipping: [slave2]
ok: [slave1]

TASK [nginx : Install NGINX] *****
skipping: [slave1]
ok: [slave2]

TASK [nginx : Copy custom index.html on slave with NGINX] *****
skipping: [slave1]
changed: [slave2]

PLAY RECAP *****
slave1      : ok=2    changed=0    unreachable=0    failed=0    skipped=2    rescued=0    ignored=0
Slave2      : ok=3    changed=1    unreachable=0    failed=0    skipped=1    rescued=0    ignored=0

I-07fbcd510b3dc0918 (Master)
PublicIPs: 3.86.255.155  PrivateIPs: 172.31.84.65
```

ON SLAVE 2: OR ssh username@slave2_ip
cd /usr/share/nginx/html/
cat index.html

```
← → ↻ https://us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standa ☆
aws Services 🔍 Search [Alt+S] N. Virginia ▼ drock
EC2 VPC CloudWatch Route 53 RDS
compliance features.
https://ubuntu.com/aws/pro
Expanded Security Maintenance for Applications is not enabled.
0 updates can be applied immediately.
Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status
Last login: Wed Jan 24 12:44:05 2024 from 3.86.255.155
ubuntu@ip-172-31-80-28:~$ cd /usr/share/nginx/html/
ubuntu@ip-172-31-80-28:/usr/share/nginx/html$ cat index.html
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Welcome to My Website</title>
</head>
<body>
  <h1>Hello, Ansible!</h1>
</body>
</html>
ubuntu@ip-172-31-80-28:/usr/share/nginx/html$

I-0c792746a011061d5 (slave2)
PublicIPs: 52.91.89.109  PrivateIPs: 172.31.80.28
```