

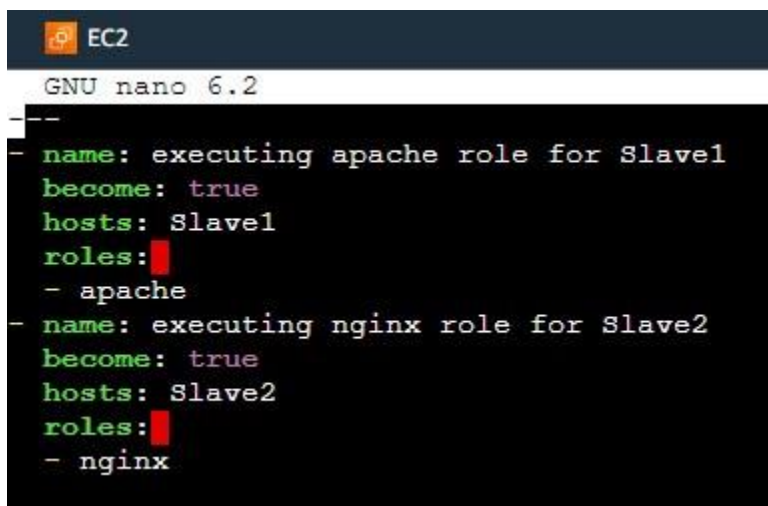
## Module-6: Ansible Assignment - 3

You have been asked to:

- Create 2 Ansible Roles
- Install apache2 on slave1 using one role and nginx on slave2 using the other role Above should be implemented using different Ansible Roles

This task can be achieved as shown below:

- Need to create two ansible roles named them as apache , nginx
- `cd /etc/ansible/roles/`
- `cd tasks/files`
- `sudo nano install.yaml`
- `sudo nano main.yml`
- Now create a play3.yaml as shown below



```
EC2
GNU nano 6.2
--
- name: executing apache role for Slave1
  become: true
  hosts: Slave1
  roles:
    - apache
- name: executing nginx role for Slave2
  become: true
  hosts: Slave2
  roles:
    - nginx
```

- After applying commands
- `ansible-playbook play3.yaml --syntax-check`
- `ansible-playbook play3.yaml --check`
- `ansible-playbook play3.yaml`

```
EC2
ok: [172.31.93.233]

TASK [apache : include_tasks] *****
included: /etc/ansible/roles/apache/tasks/install.yaml for 172.31.93.233

TASK [apache : installing apache2] *****
changed: [172.31.93.233]

PLAY [executing nginx role for Slave2] *****

TASK [Gathering Facts] *****
ok: [172.31.84.50]

TASK [nginx : include_tasks] *****
included: /etc/ansible/roles/nginx/tasks/install.yaml for 172.31.84.50

TASK [nginx : installing nginx] *****
changed: [172.31.84.50]

PLAY RECAP *****
172.31.84.50      : ok=3    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
172.31.93.233    : ok=3    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0


ubuntu@ip-172-31-88-243:~$
```

i-0a68e607520ce9aa1 (Ansible\_Master)

PublicIPs: 54.145.161.40 PrivateIPs: 172.31.88.243

- After successfully runs the playbook we can copy and paste ip we can see the default apache2 page on Slave1 and nginx page on Slave2 as follows

54.197.15.183



## Apache2 Default Page

# Ubuntu

It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at `/var/www/html/index.html`) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

### Configuration Overview

Ubuntu's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Ubuntu tools. The configuration system is **fully documented in `/usr/share/doc/apache2/README.Debian.gz`**. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the **manual** if the `apache2-doc` package was installed on this server.

The configuration layout for an Apache2 web server installation on Ubuntu systems is as follows:

```
/etc/apache2/
|-- apache2.conf
```

# Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to [nginx.org](http://nginx.org).  
Commercial support is available at [nginx.com](http://nginx.com).

*Thank you for using nginx.*

Hence the above can be achieved successfully.