

Module-6: Ansible Assignment - 3

```
ubuntu@master:/etc/ansible/roles$ sudo ansible-galaxy init apache
- Role apache was created successfully
ubuntu@master:/etc/ansible/roles$ sudo ansible-galaxy init nginx
- Role nginx was created successfully
ubuntu@master:/etc/ansible/roles$ ls
apache  nginx
ubuntu@master:/etc/ansible/roles$
```

```
GNU nano 7.2 main.yml *
-----
- name: install apache2
  apt:
    name: apache2
    state: present
    update_cache: yes

- name: start apache service
  service:
    name: apache2
    state: started
    enabled: yes
```

```
GNU nano 7.2 main.yml *
-----
- name: nginx insatlling
  apt:
    name: nginx
    state: present
    update_cache: yes

- name: start nginx service
  service:
    name: nginx
    state: started
    enabled: yes
```

```
- name: Setup Apache2 on Slave1
  hosts: slave1
  become: yes
  roles:
    - apache_role

- name: Setup Nginx on Slave2
  hosts: slave2
  become: yes
  roles:
    - nginx_role
```

```

ubuntu@master:/etc/ansible$ ansible-playbook -i hosts site.yml

PLAY [Setup Apache2 on Slave1] *****

TASK [Gathering Facts] *****
[WARNING]: Platform linux on host slave1 is using the discovered Python interpreter
at /usr/bin/python3.12, but future installation of another Python interpreter could
change the meaning of that path. See https://docs.ansible.com/ansible-
core/2.17/reference_appendices/interpreter_discovery.html for more information.
ok: [slave1]

TASK [apache : install apache2] *****
ok: [slave1]

TASK [apache : start apache service] *****
ok: [slave1]

PLAY [Setup Nginx on Slave2] *****

TASK [Gathering Facts] *****
[WARNING]: Platform linux on host slave2 is using the discovered Python interpreter
at /usr/bin/python3.12, but future installation of another Python interpreter could
change the meaning of that path. See https://docs.ansible.com/ansible-
core/2.17/reference_appendices/interpreter_discovery.html for more information.
ok: [slave2]

TASK [nginx : nginx insatlling] *****
changed: [slave2]

TASK [nginx : start nginx service] *****
ok: [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@master:/etc/ansible$

```



Ubuntu

Apache2 Default Page

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
|   |-- ports.conf
|-- mods-enabled
|   |-- *.load
|   |-- *.conf
|-- conf-enabled
|   |-- *.conf
|-- sites-enabled
|   |-- *.conf
```

- `apache2.conf` is the main configuration file. It puts the pieces together by including all remaining configuration files when starting up the web server.
- `ports.conf` is always included from the main configuration file. It is used to determine the listening ports for incoming connections, and this file can be customized anytime.
- Configuration files in the `mods-enabled/`, `conf-enabled/` and `sites-enabled/` directories contain particular configuration snippets which manage modules, global configuration fragments, or virtual host configurations, respectively.

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.
Commercial support is available at nginx.com.

Thank you for using nginx.
