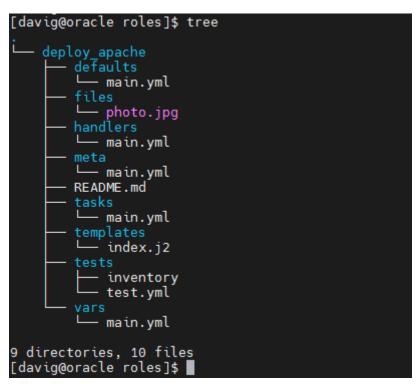```
[davig@oracle ansible]$ mkdir roles
[davig@oracle ansible]$ cd roles/
[davig@oracle roles]$ ansible-galaxy init deploy_apache
- Role deploy_apache was created successfully
[davig@oracle roles]$ ls -la
total 0
drwxrwxr-x 3 davig davig 27 Jul 20 16:24 .
drwxrwxr-x 5 davig davig 208 Jul 20 16:23 ..
drwxrwxr-x 10 davig davig 154 Jul 20 16:24 deploy_apache
[davig@oracle roles]$ tree
.
└── deploy_apache
    ├── defaults
    │   └── main.yml
    ├── files
    ├── handlers
    │   └── main.yml
    ├── meta
    │   └── main.yml
    ├── README.md
    ├── tasks
    │   └── main.yml
    ├── templates
    ├── tests
    │   ├── inventory
    │   └── test.yml
    └── vars
        └── main.yml

9 directories, 8 files
[davig@oracle roles]$
```

```
[davig@oracle roles]$ tree
.
└── deploy_apache
    ├── defaults
    │   └── main.yml
    ├── files
    │   └── photo.jpg
    ├── handlers
    │   └── main.yml
    ├── meta
    │   └── main.yml
    ├── README.md
    ├── tasks
    │   └── main.yml
    ├── templates
    │   └── index.j2
    ├── tests
    │   ├── inventory
    │   └── test.yml
    └── vars
        └── main.yml

9 directories, 10 files
[davig@oracle roles]$
```

```
[davig@oracle roles]$ cat ./deploy_apache/tasks/main.yml
---
# tasks file for deploy_apache

- name: Check Linux Distr
  debug:  var=ansible_os_family

- block: # For Red Hat

  - name: Install Apache on Red Hat
    yum:  name=httpd state=latest

  - name: Start Apache and enabling it during boot
    service: name=httpd  state=started enabled=yes

  when: ansible_os_family == "RedHat"

- block: #For Debian

  - name: Install Apache Web Server on Debian
    apt:  update_cache=yes name=apache2 state=latest

  - name: Start Apache and enabling it during boot
    service: name=apache2 state=started enabled=yes

  when: ansible_os_family == "Debian"

- name: Generate index.html using template
  template: src=index.j2  dest={{ destin_dir }}/index.html mode=0555
  notify:
      - Restart Apache Debian
      - Restart Apache RedHat


- name: Copy dir "MyWebServer" to target server
  copy: src=photo.jpg  dest={{ destin_dir }} mode=0555
  notify:
      - Restart Apache Debian
      - Restart Apache RedHat

[davig@oracle roles]$ cat ./deploy_apache/handlers/main.yml
---
# handlers file for deploy_apache

- name: Restart Apache RedHat
  service: name=httpd  state=restarted
  when: ansible_os_family == "RedHat"

- name: Restart Apache Debian
  service: name=apache2 state=restarted
  when: ansible_os_family == "Debian"
```

```
TASK [deploy_apache : Install Apache Web Server on Debian] ****************************************
skipping: [redhat]
ok: [server1]
ok: [server2]

TASK [deploy_apache : Start Apache and enabling it during boot] ***********************************
skipping: [redhat]
ok: [server1]
ok: [server2]

TASK [deploy_apache : Generate index.html using template] ****************************************
changed: [server1]
changed: [server2]
changed: [redhat]

TASK [deploy_apache : Copy dir "MyWebServer" to target server] ***********************************
ok: [server1]
ok: [server2]
ok: [redhat]

RUNNING HANDLER [deploy_apache : Restart Apache RedHat] ******************************************
skipping: [server1]
skipping: [server2]
changed: [redhat]

RUNNING HANDLER [deploy_apache : Restart Apache Debian] ******************************************
skipping: [redhat]
changed: [server1]
changed: [server2]

PLAY RECAP ***************************************************************************************
redhat                     : ok=7    changed=2    unreachable=0    failed=0    skipped=3    rescued=0    ignored=0

server1                    : ok=7    changed=2    unreachable=0    failed=0    skipped=3    rescued=0    ignored=0

server2                    : ok=7    changed=2    unreachable=0    failed=0    skipped=3    rescued=0    ignored=0


[davig@oracle ansible]$
```

3.127.39.0

CREATED BY ANSIBLE WHITH ROLES!

Linux Distrib is Debian IP adress is 172.31.32.221

```
[davig@oracle ansible]$ ansible-playbook playbook6.yml --step -K
BECOME password:

PLAY [Install Apache webserver. Upload page example.] ********************************
Perform task: TASK: Gathering Facts (N)o/(y)es/(c)ontinue: N

Perform task: TASK: Gathering Facts (N)o/(y)es/(c)ontinue: ****************************
Perform task: TASK: deploy_apache : Check Linux Distr (N)o/(y)es/(c)ontinue: Y

Perform task: TASK: deploy_apache : Check Linux Distr (N)o/(y)es/(c)ontinue: *************

TASK [deploy_apache : Check Linux Distr] ********************************************
ok: [redhat] => {
    "ansible_os_family": "VARIABLE IS NOT DEFINED!"
}
ok: [server1] => {
    "ansible_os_family": "VARIABLE IS NOT DEFINED!"
}
ok: [server2] => {
    "ansible_os_family": "VARIABLE IS NOT DEFINED!"
}
Perform task: TASK: deploy_apache : Install Apache on Red Hat (N)o/(y)es/(c)ontinue: Y
```