

## Ansible question 4

### ansible.cfg

```
master@mastervm:~/ansible-webserver$ ls
ansible.cfg  group_vars  inventory  roles  site.yml

GNU nano 7.2 ansible.cfg
[defaults]
inventory = ./inventory/hosts
roles_path = ./roles
```

### Hosts file

```
GNU nano 7.2 hosts
[webservers]
web1 ansible_host=192.168.203.129 ansible_user=node
web1 ansible_host=192.168.203.128 ansible_user=master

[webservers:vars]
env=staging

master@mastervm:~/ansible-webserver/inventory$ cd ..
master@mastervm:~/ansible-webserver$ cd roles
master@mastervm:~/ansible-webserver/roles$ ls
webserver
master@mastervm:~/ansible-webserver/roles$ cd webserver
master@mastervm:~/ansible-webserver/roles/webserver$ ls
defaults files handlers meta README.md tasks templates tests vars
```

### vault.yml

```
GNU nano 7.2 vault.yml
secret: "this_is_a_secret"
```

### site.yml

```
GNU nano 7.2 site.yml
name: Deploy Webserver
hosts: webservers
become: yes
vars_files:
  - group_vars/all/vault.yml

pre_tasks:
  - name: Ping webservers
    ping:

  - name: Install curl
    apt:
      name: curl
      state: present
      update_cache: yes

roles:
  - webserver
```

running ansible playbook site.yml using the command `ansible-playbook site.yml --ask-vault-pass --ask-become-pass`

```
master@mastervm:~/ansible-webserver$ ansible-playbook site.yml --ask-vault-pass
Vault password:

PLAY [Deploy Webserver] *****

TASK [Gathering Facts] *****
fatal: [web1]: FAILED! => ("msg": "Missing sudo password")

PLAY RECAP *****
web1                : ok=0    changed=0    unreachable=0    failed=1    skipped=0    rescued=0    ignored=0

master@mastervm:~/ansible-webserver$ ansible-playbook site.yml --ask-vault-pass --ask-become-pass
BECOME password:
Vault password:

PLAY [Deploy Webserver] *****

TASK [Gathering Facts] *****
[WARNING]: Platform linux on host web1 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/2.18/reference_appendices/interpreter_discovery.html for more information.
ok: [web1]

TASK [Ping webserver] *****
ok: [web1]

TASK [Install curl] *****
ok: [web1]

TASK [webserver : Install Apache] *****
changed: [web1]

TASK [webserver : Deploy custom index page] *****
changed: [web1]

TASK [webserver : Ensure Apache is started and enabled] *****
ok: [web1]

RUNNING HANDLER [webserver : Restart Apache] *****
meaning of that path. See https://docs.ansible.com/ansible-core/2.18/reference_appendices/interpreter_discovery.html for more information.
ok: [web1]

TASK [Ping webserver] *****
ok: [web1]

TASK [Install curl] *****
ok: [web1]

TASK [webserver : Install Apache] *****
changed: [web1]

TASK [webserver : Deploy custom index page] *****
changed: [web1]

TASK [webserver : Ensure Apache is started and enabled] *****
ok: [web1]

RUNNING HANDLER [webserver : Restart Apache] *****
changed: [web1]

PLAY RECAP *****
web1                : ok=7    changed=3    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
```

apache running on node 1

```
master@mastervm:~/ansible-webserver$ sudo systemctl status apache2
[sudo] password for master:
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/apache2.service; enabled; preset: enabled)
   Active: active (running) since Fri 2025-04-11 15:17:48 IST; 3min 4s ago
     Docs: https://httpd.apache.org/docs/2.4/
   Process: 83217 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
   Main PID: 83220 (apache2)
      Tasks: 55 (limit: 9382)
     Memory: 5.3M (peak: 5.3M)
        CPU: 62ms
   CGroup: /system.slice/apache2.service
           └─83220 /usr/sbin/apache2 -k start
             └─83222 /usr/sbin/apache2 -k start
               └─83223 /usr/sbin/apache2 -k start

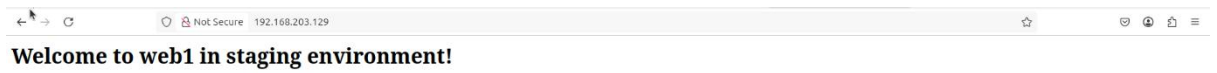
Apr 11 15:17:48 mastervm systemd[1]: Starting apache2.service - The Apache HTTP Server...
Apr 11 15:17:48 mastervm apachectl[83219]: AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 127.0.1.1. Set the 'ServerName' directive glo
Apr 11 15:17:48 mastervm systemd[1]: Started apache2.service - The Apache HTTP Server.
```

apache running on another node

```
node@nodevm:~/webserver$ sudo systemctl status apache2
[sudo] password for node:
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/apache2.service; enabled; preset: enabled)
   Active: active (running) since Wed 2025-04-09 16:49:50 IST; 3min 40s ago
     Docs: https://httpd.apache.org/docs/2.4/
   Process: 8831 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
   Main PID: 8834 (apache2)
      Tasks: 55 (limit: 6963)
     Memory: 5.3M (peak: 5.5M)
        CPU: 70ms
   CGroup: /system.slice/apache2.service
           └─8834 /usr/sbin/apache2 -k start
             └─8836 /usr/sbin/apache2 -k start
               └─8837 /usr/sbin/apache2 -k start

Apr 09 16:49:50 nodevm systemd[1]: Starting apache2.service - The Apache HTTP Server...
Apr 09 16:49:50 nodevm apachectl[8833]: AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 127.0.1.1. Set the 'ServerName' directive global
Apr 09 16:49:50 nodevm systemd[1]: Started apache2.service - The Apache HTTP Server.
```

Acces through ip of node 1



access through ip of node 2

