**Experiment No. 1.4**

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**Branch: MCA - CCD Section/Group: MCD-1/ Grp A**

**Semester: IV Date of Performance: 02nd Feb 24**

**Subject Name: CI/CD Pipelines Subject Code: 22CAP-781**

1. **Aim/Overview of the practical:**

A. Create a Playbook for installing NGINX server on YOUR UID\_1 node.

B. Create a Playbook for installing HTTP server on YOUR UID\_2 node.

C. Check whether both are installed on the nodes or not by checking their versions..

1. **Code for practical:**

**A)**

* Open AWS account and connect to ansible\_master instance.
* Create a YAML file for playbook to install NGINX on 22MCC20039\_1 server.

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- name: Install Nginx

  hosts: 22MCC20039\_1

  become: yes

  tasks:

    - name: Remove Nginx if installed

      package:

        name: nginx

        state: absent

    - name: Install Nginx

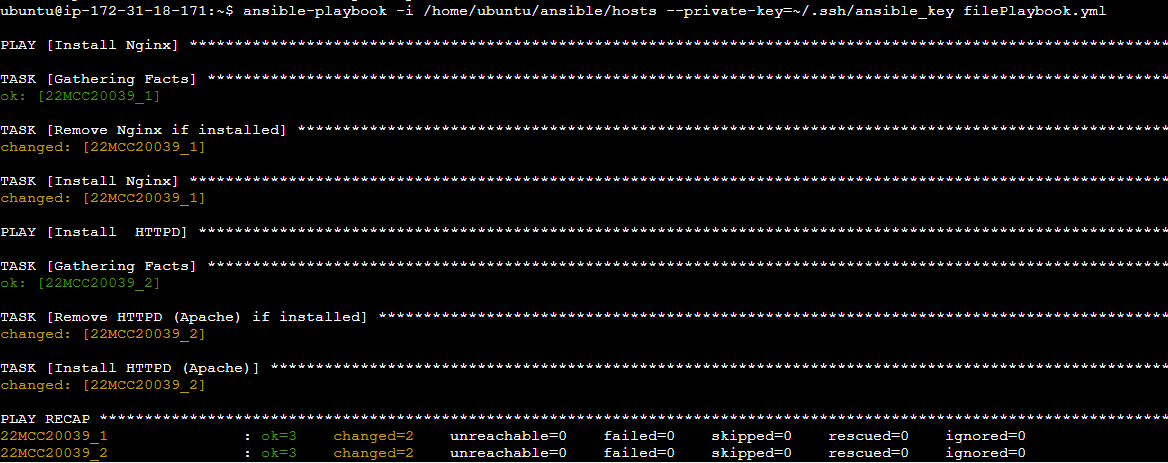
      package:

        name: nginx

        state: present

* Run command file to install nginx.

***ansible-playbook -i /home/ubuntu/ansible/hosts --private-key=~/.ssh/ansible\_key filePlaybook.yml***



**B)**

* Create a YAML file for playbook to install NGINX on 22MCC20039\_2 server.

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- name: Install HTTPD (Apache)

  hosts: 22MCC20039\_2

  become: yes

  tasks:

    - name: Remove HTTPD if installed

      package:

        name: apache2

        state: absent

    - name: Install HTTPD (Apache)

      package:

        name: apache2

        state: present

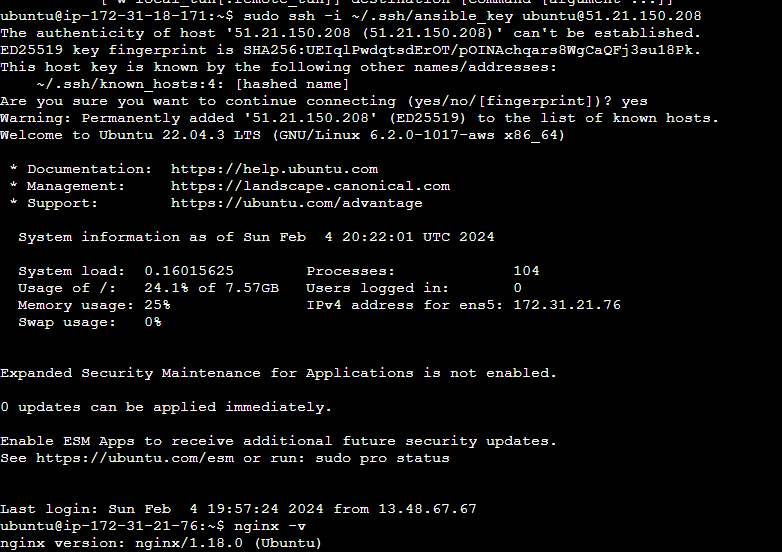
* Run command file to install nginx.

***ansible-playbook -i /home/ubuntu/ansible/hosts --private-key=~/.ssh/ansible\_key filePlaybook.yml***

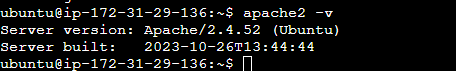
**C)**

* Switch to server1 using command and check version

***sudo ssh -I ~/.ssh.ansible\_key ubuntu@<IPAddress>***



* Run command nginx -v
* On second server run command apache2 -v



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