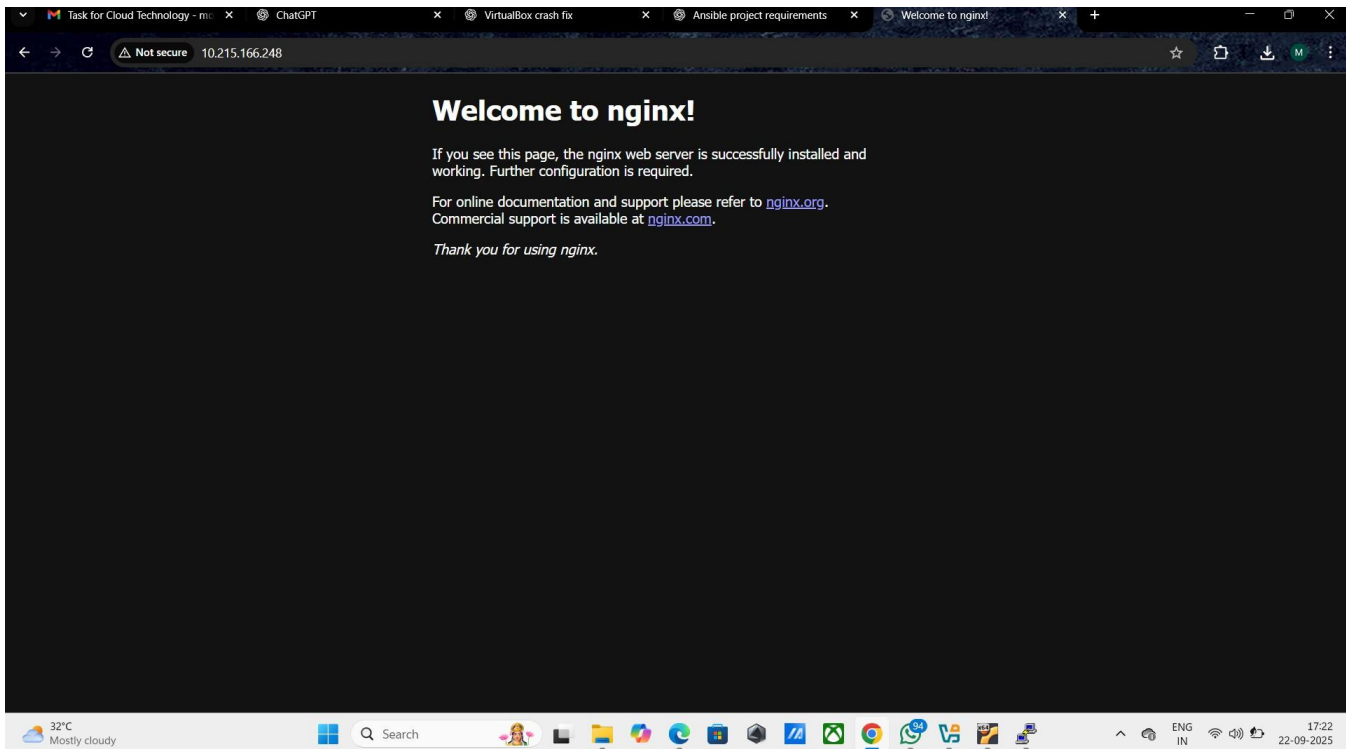


DevOps Internship - Task Submission

Task 1 - Ansible for Configuration Management

Screenshot:



Description:

This Ansible playbook installs Docker on a target server, pulls the latest Nginx image, and runs it as a container automatically. The container is configured to restart always and expose port 80, simulating a 'Hello World' web server.

Playbook Overview:

```
- name: Install Docker and run Hello World web server
  hosts: docker_servers
  become: yes
  tasks:

    - name: Update apt cache
      apt:
        update_cache: yes

    - name: Install prerequisites
      apt:
        name:
          - apt-transport-https
          - ca-certificates
          - curl
          - gnupg-agent
```

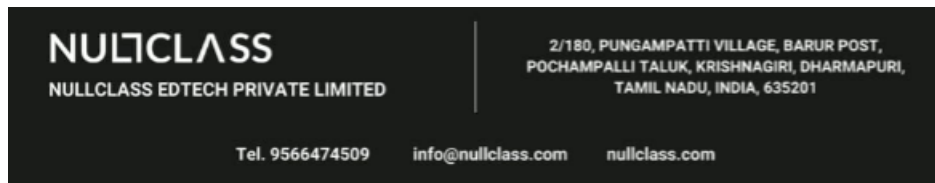
```
- software-properties-  
common state: present  
  
- name: Add Docker GPG  
key apt_key:  
  url: https://download.docker.com/linux/ubuntu/gpg  
  state: present  
  
- name: Add Docker  
repository apt_repository:  
  repo: deb [arch=amd64] https://download.docker.com/linux/ubuntu focal stable  
  state: present  
  
- name: Install  
Docker apt:  
  name: docker-ce  
  state: latest  
  
- name: Ensure Docker service is  
running service:  
  name: docker  
  state: started  
  enabled: yes  
  
- name: Pull Nginx  
image docker_image:  
  name: nginx:latest  
  source: pull  
  
- name: Run Nginx  
container  
docker_container:  
  name: hello_world_web  
  image: nginx:latest  
  state: started  
  restart_policy: always  
  ports:  
    - "80:80"
```

Docker Commands (for reference):

```
docker pull nginx:latest  
docker run -d -p 80:80 --name hello_world_web nginx:latest
```

Offer Letter:-

As part of the internship documentation, the offer letter confirming the internship position was included.



September 21, 2025

Dear Mohamed Shafith,

We are pleased to offer you the opportunity to join NullClass as an **Cloud Technology Intern 21-09-2025 to 21-10-2025 (1 Months)**

This offer is conditional upon Annexure A: Terms and Conditions attached below . Upon fulfilling the internship criteria, you will embark on a journey of professional growth and real-world experience with us

Congratulations!

**Elavarasi,
COO**

