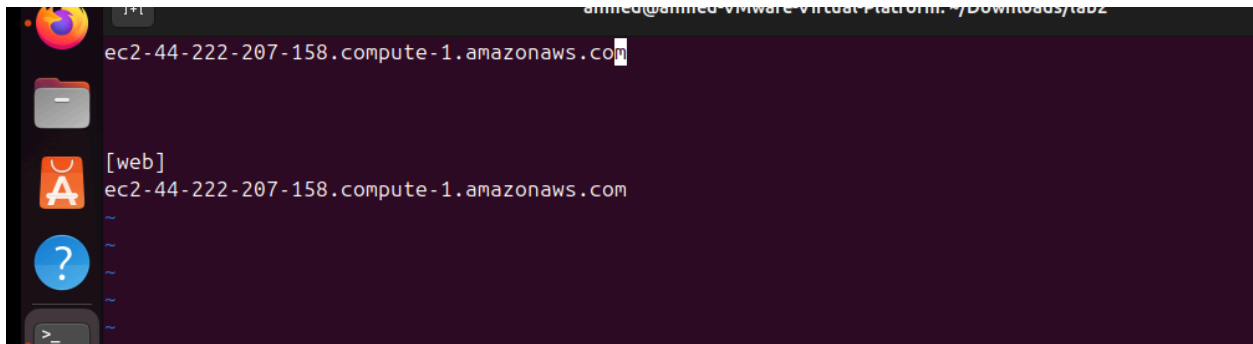


Vim inventory:

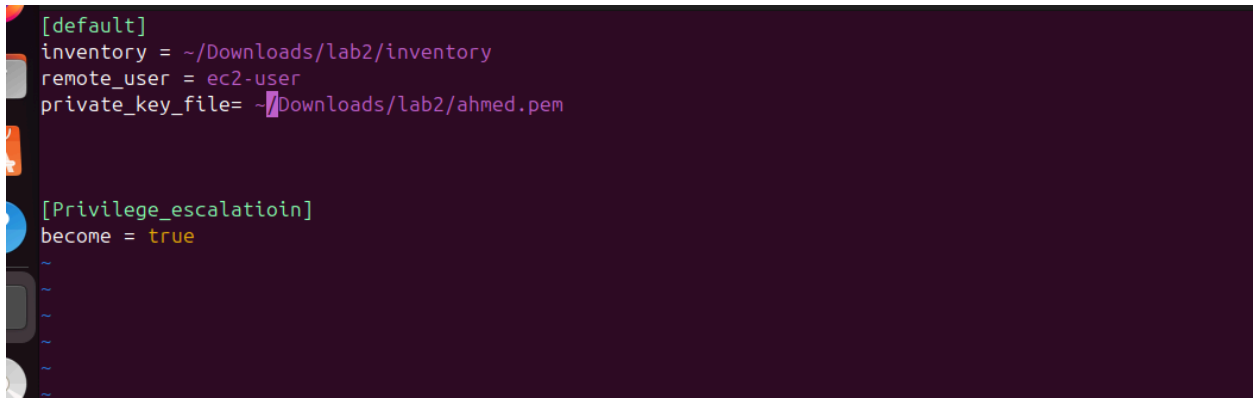


```
ahmed@ahmed-virtual-machine: ~/Downloads/lab2
ec2-44-222-207-158.compute-1.amazonaws.com
[web]
ec2-44-222-207-158.compute-1.amazonaws.com
~
```

Vim ansible.cfg

Definition path inventory

I will know the username of the user that Ansible will use give Privilege Escalation



```
ahmed@ahmed-virtual-machine: ~/Downloads/lab2
[default]
inventory = ~/Downloads/lab2/inventory
remote_user = ec2-user
private_key_file= ~/Downloads/lab2/ahmed.pem

[Privilege_escalatioin]
become = true
~
```

Vim playbook.yml

Build tasks

Install nginx and manage service and deploy file.html

```
---
- name: Install nginx and manage service
  hosts: web
  become: true
  tasks:
    - name: Install nginx
      ansible.builtin.dnf:
        name: nginx
        state: present

    - name: Ensure nginx is running and enabled
      service:
        name: nginx
        state: started
        enabled: true

    - name: Create a sample HTML file
      copy:
        dest: /usr/share/nginx/html/index.html # Path where nginx serves its HTML files
        content: |
          <html>
            <head>
              <title>Welcome to ahmed</title> <!-- Title of the page in the browser tab -->
            </head>
            <body>
              <h1>It works!</h1> <!-- Main heading text displayed on the webpage -->
            </body>
          </html>
```

Command :ansible-playbook playbook.yml

Ansible-playbook -i inventory platbook.yml --private-key=./ahmed.pem -u ec2-user

Maybe I can consult the privatekey for the whole thing

```
ahmed@ahmed-VMware-Virtual-Platform:~/Downloads/lab2$ ansible-playbook -i inventory playbook.yml --private-key=./ahmed.pem --user=ec2-user
```

Run playbook

```
changed: [ec2-44-222-207-158.compute-1.amazonaws.com]

< PLAY RECAP >
-----
   \   ^__^
    \  (oo)\_______
      (__)\       )\/\
         ||----w |
         ||     ||

ec2-44-222-207-158.compute-1.amazonaws.com : ok=4    changed=3    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
```

Output

← → ↻ ⚠ Not secure 44.222.207.158

It works!