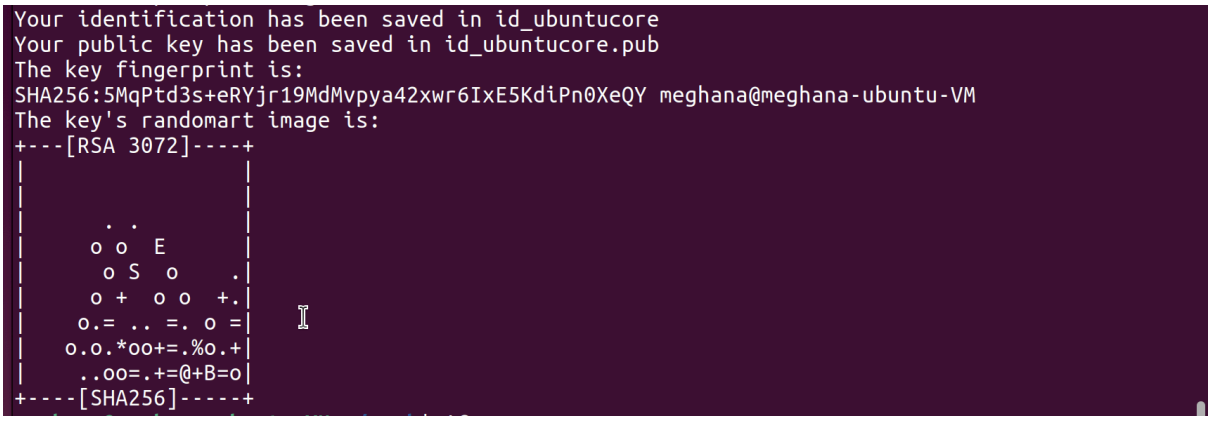
1. Install VM

2. Install all updates -
   ```
   sudo apt update
   Sudo apt install software-properties-common
   ```

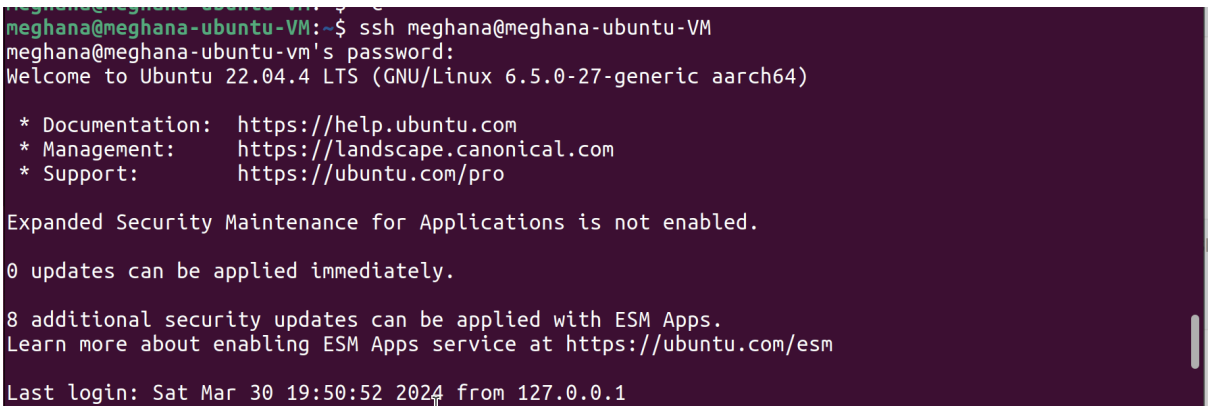
3. Install Ansible
   ```
   Sudo apt install ansible
   Ansible -version
   ```

4. Install SSH
   ```
   Sudo apt install ssh
   Sudo apt install sshpass
   ```

5. Create SSH key-value pair



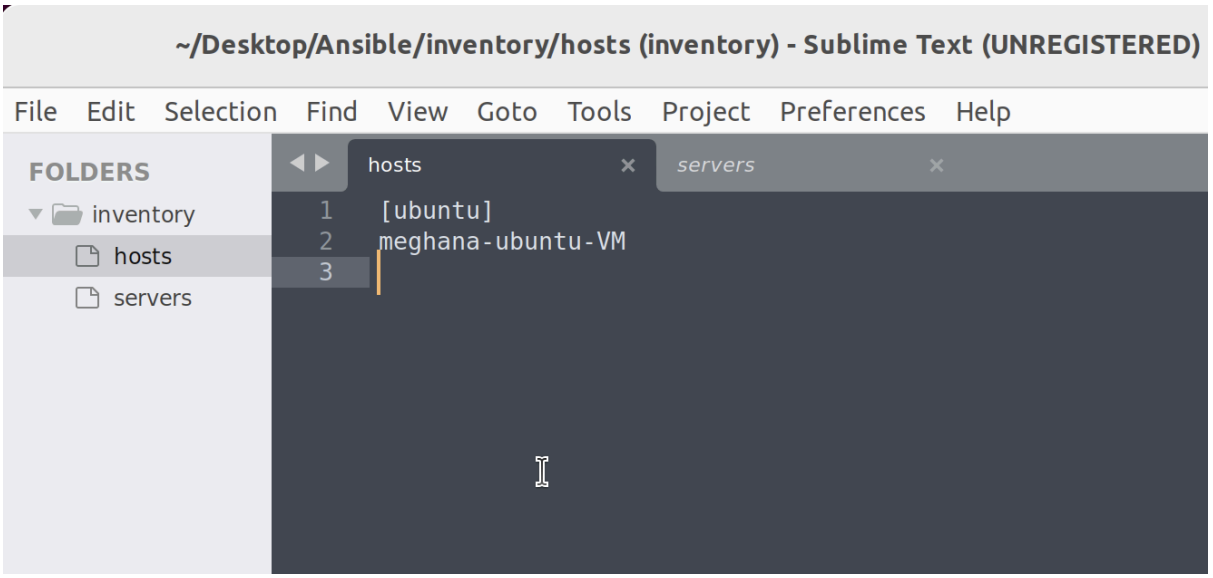
6. Connect to SSH



or

```
meghana@meghana-ubuntu-VM:~/.ssh$ ssh -i ~/.ssh/id_ubuntucore meghana@meghana-ubun
tu-VM
The authenticity of host 'meghana-ubuntu-vm (127.0.1.1)' can't be established.
ED25519 key fingerprint is SHA256:6Le57J+pxi7deTrR3eo4T6LmA3D3lS9Ndhq6PVWrGGs.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'meghana-ubuntu-vm' (ED25519) to the list of known host
s.
meghana@meghana-ubuntu-vm's password:
Welcome to Ubuntu 22.04.4 LTS (GNU/Linux 6.5.0-27-generic aarch64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/pro

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

8 additional security updates can be applied with ESM Apps.
Learn more about enabling ESM Apps service at https://ubuntu.com/esm


The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

meghana@meghana-ubuntu-VM:~$
```

7. Create an inventory -

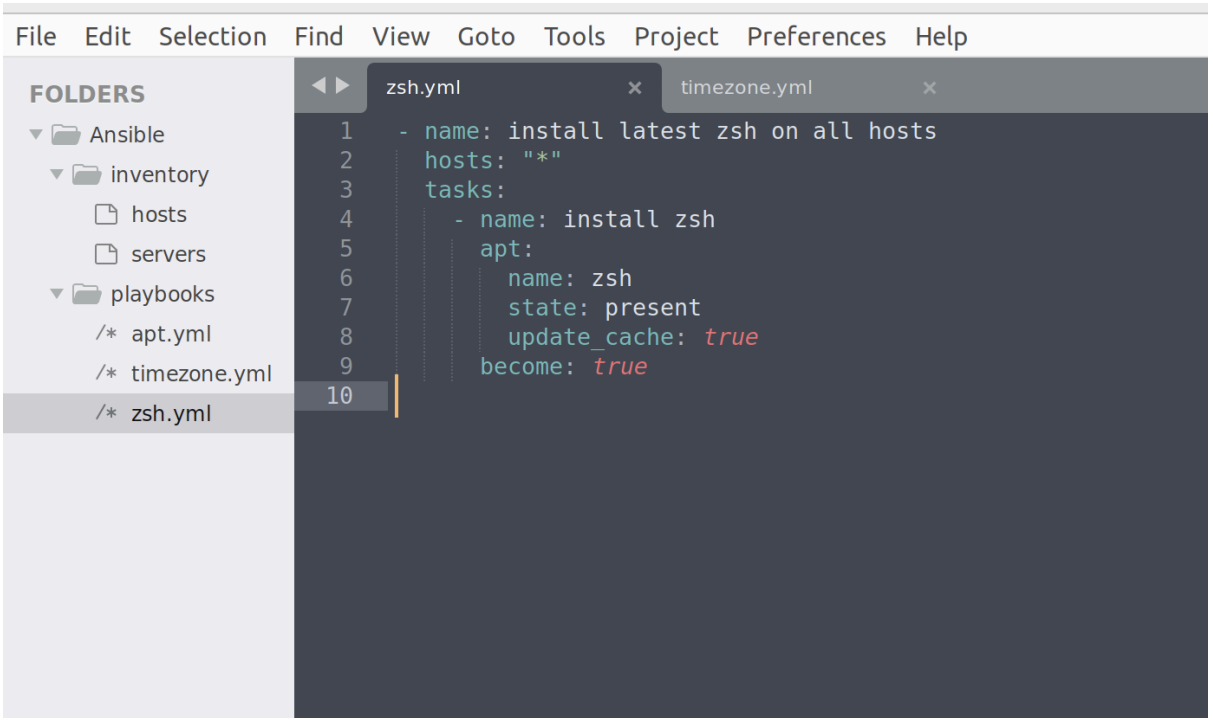


8. Command with inventory -

```
ansible -i ~/Desktop/Ansible/inventory/hosts ubuntu -m ping –user
meghana –ask-pass
```

9. Create an APT playbook
10. Command with playbook

11. Create a playbook to install zshell on all servers

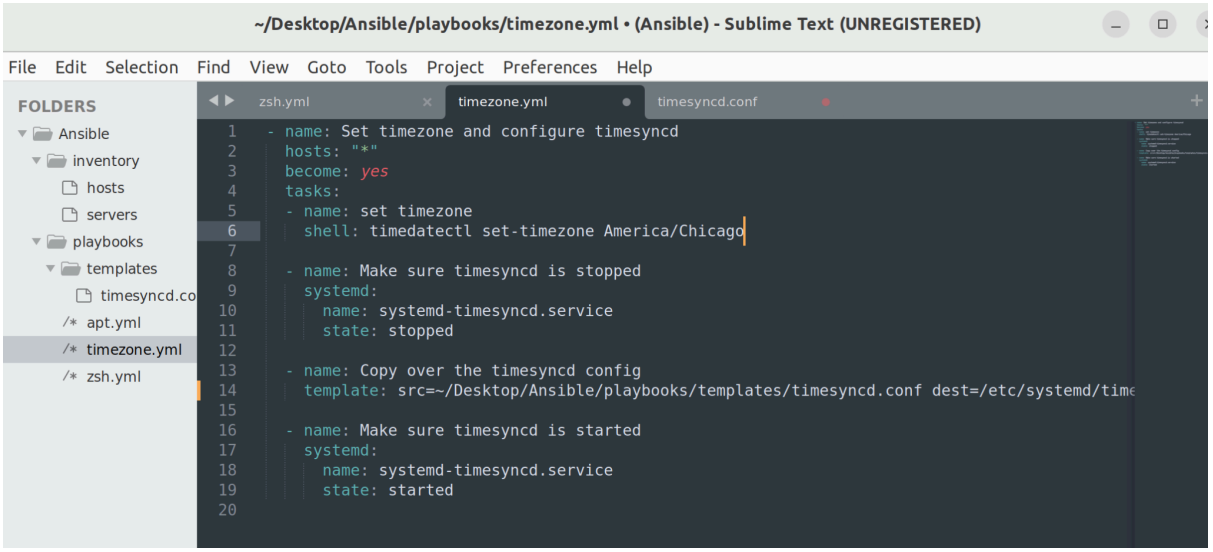


12. Command the playbook in ansible terminal

```
ansible-playbook ~/Desktop/Ansible/playbooks/zsh.yml --user
meghana --ask-pass --ask-become-pass -i
~/Desktop/Ansible/inventory/hosts
```

```
meghana@meghana-ubuntu-VM:~$ ansible-playbook ~/Desktop/Ansible/playbooks/zs
h.yml --user meghana --ask-pass --ask-become-pass -i ~/Desktop/Ansible/inven
tory/hosts
SSH password:
BECOME password[defaults to SSH password]:

PLAY [install latest zsh on all hosts] ***************************************
****

TASK [Gathering Facts] *******************************************************
****
ok: [meghana-ubuntu-VM]

TASK [install zsh] ***********************************************************
****
changed: [meghana-ubuntu-VM]

PLAY RECAP *******************************************************************
****
meghana-ubuntu-VM          : ok=2    changed=1    unreachable=0    failed=0
   skipped=0    rescued=0    ignored=0
```

13. Create a playbook to change timezone of servers using ansible



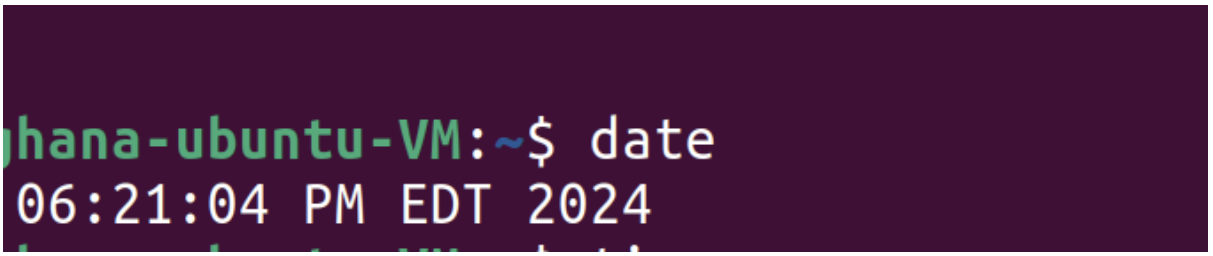
14. Command the playbook

```
ansible-playbook ~/Desktop/Ansible/playbooks/timezone.yml
–user meghana –ask-pass –ask-become-pass -i
~/Desktop/Ansible/inventory/hosts
```

```
meghana@meghana-ubuntu-VM:~$ ansible-playbook ~/Desktop/Ansible/playbooks/timezone.yml --user meghana --ask-pass
--ask-become-pass -i ~/Desktop/Ansible/inventory/hosts
SSH password:
BECOME password[defaults to SSH password]:

PLAY [Set timezone and configure timesyncd] ************************************************

TASK [Gathering Facts] *********************************************************************
ok: [meghana-ubuntu-VM]

TASK [set timezone] ************************************************************************
changed: [meghana-ubuntu-VM]

TASK [Make sure timesyncd is stopped] ******************************************************
changed: [meghana-ubuntu-VM]

TASK [Copy over the timesyncd config] ******************************************************
ok: [meghana-ubuntu-VM]

TASK [Make sure timesyncd is started] ******************************************************
changed: [meghana-ubuntu-VM]

PLAY RECAP *********************************************************************************
meghana-ubuntu-VM          : ok=5    changed=3    unreachable=0    failed=0    skipped=0    rescued=0    ignored=
0
```

15. Check if timezone has changed

Current time -



After running playbook -