**ANISIBLE**

**Step 1:**

**We’ll be creating one Anisible Server and 2 host. By creating instance.**

**To install anisible on ubuntu :**

$ sudo apt update

$ sudo apt upgrade

$ sudo apt install software-properties-common

$ sudo add-apt-repository --yes --update ppa:ansible/ansible

$ sudo apt install ansible

**Step 3:**

**To check if its install :**

$ cd /etc/ansible

$ ansible --version

$ ls -la

**Step 4:**

**To add host IP in Anisible Master: (Host Updation )**

$ nano /etc/ansible/hosts

Add IP address by grouping , if u have more than 1 host/instance

Ex: [group name]

10.0.2.3

10.0.200.36

**Step 5:**

**Configuration on anisible**

$ nano /etc/ansible/ansible.cfg

Allow : inventory = /etc/ansible/hosts

sudo\_user = root

by removing # infront.

**Step 6:**

**Create password for recent user that is UBUNTU ( repecte the same on backend and frontend server)**

$ **sudo passwd root**

**also give permission to user**

$sudo visudo

$ User privilege specification

root ALL=(ALL:ALL) ALL

ubuntu ALL=(ALL:ALL) NOPASSWD: ALL (this need to be updated with the username)

**Step 7:**

**To give permission to SSH ( this needs to be done on ansible server, backend server and frontend server)**

$ nano /etc/ssh/sshd\_config

# Authentication:

#LoginGraceTime 2m

#PermitRootLogin prohibit-password --- > Remove #

#StrictModes yes

#MaxAuthTries 6

#MaxSessions 10

# To disable tunneled clear text passwords, change to no here!

PasswordAuthentication no ---🡪 PasswordAuthentication yes

#PermitEmptyPasswords no

**Restart SSH ( this needs to be done on ansible server, backend server and frontend server)**

$ service sshd restart

$ service sshd status

**For passwordless login**

$ ssh-keygen

$ ls -a

$ cd .ssh/

$ ls

$ ssh-copy-id ansible@ privateIP

**Step 8:**

**Create playbook**

$ sudo vi backend.yml

$ sudo vi frontend.yml

$ ansible-playbook backend.yml

$ ansible-playbook frontend.yml