**First ci/cd pipeline creation**

EC2(4) with default vpc(Allowing all traffic & source allow 0.0.0.0/0) with key pair

Log into the four servers and (requested change name from root ip to desired name)/hostnamectl set-hostname \*\*\*\*\*

Installing all the dependences open Jdk,jenkins on Jenkins server and ansible on ansible

Once installed Start the server/Systemctl start Jenkins

We logon to the browser by using Public ip of Jenkins server connecting via local host (<http://44.212.99.63:8080/>) with password in Jenkins/secrets/passwd

As we all know installing git in both dev side and they want clone it installing **git i**n **dev server and Jenkins**

Creating a SSH connection b/w the ansible,jenkins and webserver

Setting a password root user

Changing modification in ssh config like passwdauthlogiin Yes

We generate a ssh key using/ssh keygen

Then we copy the gen key to private ip(Ansible) through root usr (becoz ssh connection is only able to connect using private ip not with ppswd)

Through this we are able to coonect ansible from Jenkins machine through SSH

Same as we connect from ansible to web server

We add webserver and ip of web server in inventory of ansible/vi etc/ansible/hosts

**SSH CONNECTION DONE**

We integrate Github now

Create a Repo

Commit afile

Then 🡪jenkins🡪scms🡪paste github url

The add plugin PublishOverSSH in Jenkins to use the secure ssh connection

Add the servers which connected to ssh over Jenkins

Jenkins and pvt ip and configure the file in the build steps with over exc command[rsync -avh /var/lib/jenkins/workspace] --🡪rsync -avh /var/lib/jenkins/workspace/demoproject/\*.html [root@172.31.76.126:/opt/index.html](mailto:root@172.31.76.126:/opt/index.html)