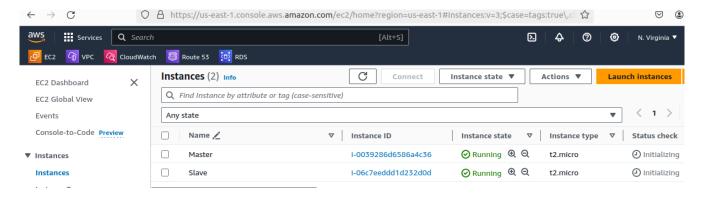
- 1. Trigger a pipeline using Git when push on develop branch
- 2. Pipeline should pull Git content to a folder

STEPs:

CREATE 2 UBUNTU SERVERS:

- 1: Master
- 2: Slave



- Install Java, Jenkins (Git by default is installed on Jenkins) on Master sudo nano install.sh

input:

sudo apt update sudo apt install openjdk-11-jdk -y sudo wget -O /usr/share/keyrings/jenkins-keyring.asc \ https://pkg.jenkins.io/debian/jenkins.io-2023.key echo deb [signed-by=/usr/share/keyrings/jenkins-keyring.asc] \ https://pkg.jenkins.io/debian binary/ | sudo tee \ /etc/apt/sources.list.d/jenkins.list > /dev/null sudo apt update sudo apt install jenkins -y



bash install.sh

```
ubuntu@ip-172-31-16-132:~$ jenkins --version
2.446
ubuntu@ip-172-31-16-132:~$

i-0039286d6586a4c36 (Master)

PublicIPs: 52.201.237.111 PrivateIPs: 172.31.16.132
```

- Install only Java on Slave

sudo apt update

sudo apt install openjdk-11-jdk -y

ubuntu@ip-172-31-21-190:~\$ java --version
openjdk 11.0.21 2023-10-17
OpenJDK Runtime Environment (build 11.0.21+9-post-Ubuntu-Oubuntu122.04)
OpenJDK 64-Bit Server VM (build 11.0.21+9-post-Ubuntu-Oubuntu122.04, mixed mode, sharing)
ubuntu@ip-172-31-21-190:~\$

i-06c7eeddd1d232d0d (Slave)
PublicIPs: 54.209.243.142 PrivateIPs: 172.31.21.190

GET INSIDE JENKINS

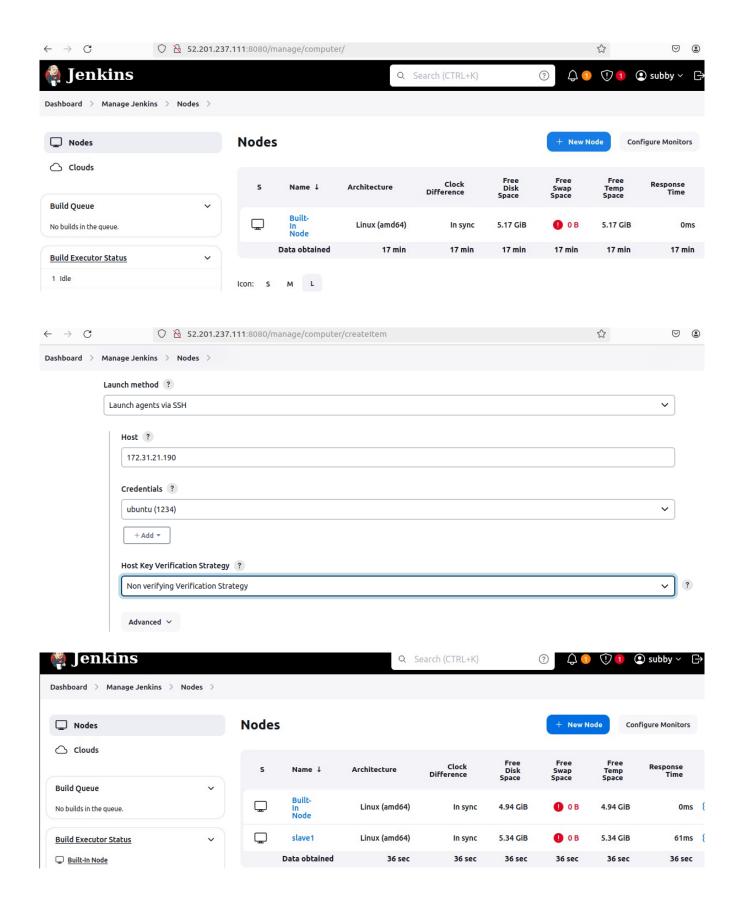
52.201.237.111:8080



sudo cat /var/lib/jenkins/secrets/initialAdminPassword

Create Slave Node to join the Master Node existing on Jenkins

Manage Jenkins - System Configure - Nodes



In Master machine: Initiate git

mkdir folder1 cd folder1 git init touch file1

git add . && git commit -m "first commit"

```
ubuntu@ip-172-31-16-132:~$ cd folder1
ubuntu@ip-172-31-16-132:~$ folder1$ is
file1
ubuntu@ip-172-31-16-132:~$ folder1$ git add . && git commit -m "first commit"
[master (root-commit) 32ce4ad] first commit
Committer: Ubuntu <ubuntu@ip-172-31-16-132.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

git config --global --edit

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

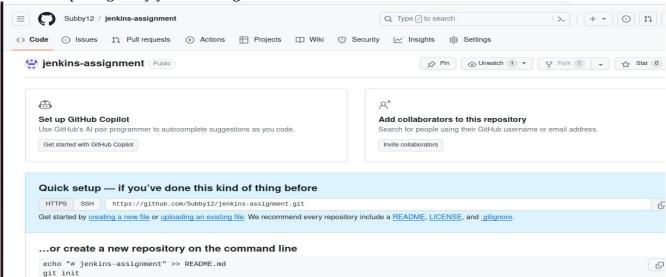
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 file1
ubuntu@ip-172-31-16-132:~/folder1$
```

create branch develop

switch to develop branch



Create a repo in git: say jenkins-assignment



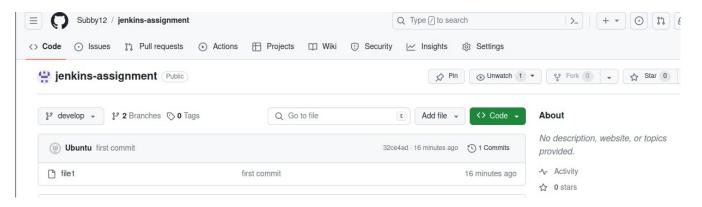
git push –all

```
ubuntu@ip-172-31-16-132:~/folder1$ git remote add origin https://github.com/Subby12/jenkins-assignment.git
ubuntu@ip-172-31-16-132:~/folder1$ git push --all
Username for 'https://github.com': subby12
Password for 'https://subby12@github.com':
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 217 bytes | 217.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Subby12/jenkins-assignment.git
* [new branch] develop -> develop
* [new branch] master -> master
ubuntu@ip-172-31-16-132:~/folder1$ 

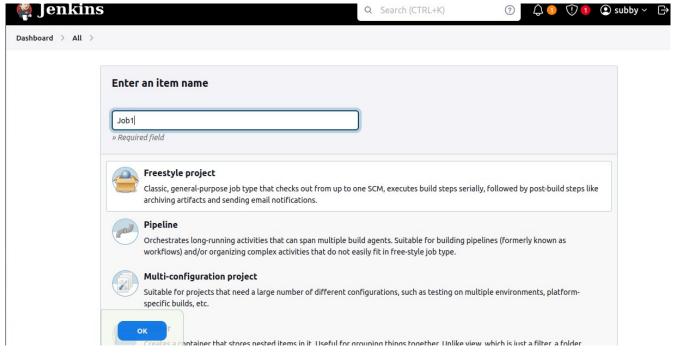
i-0039286d6586a4c36 (Master)

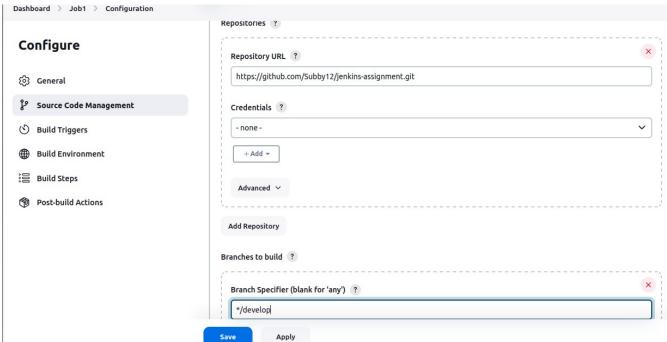
PublicIPs: 52.201.237.111 PrivateIPs: 172.31.16.132
```

Inside the repo: jenkins-assignment

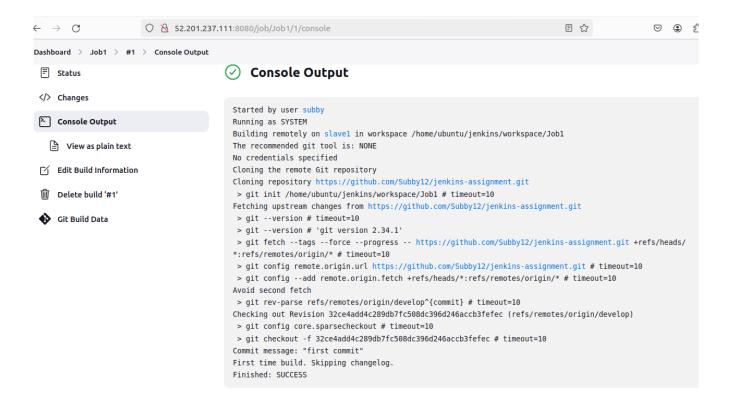


Create Job in Jenkins





Apply and Save Build Now



Check the Slave Server for update:

