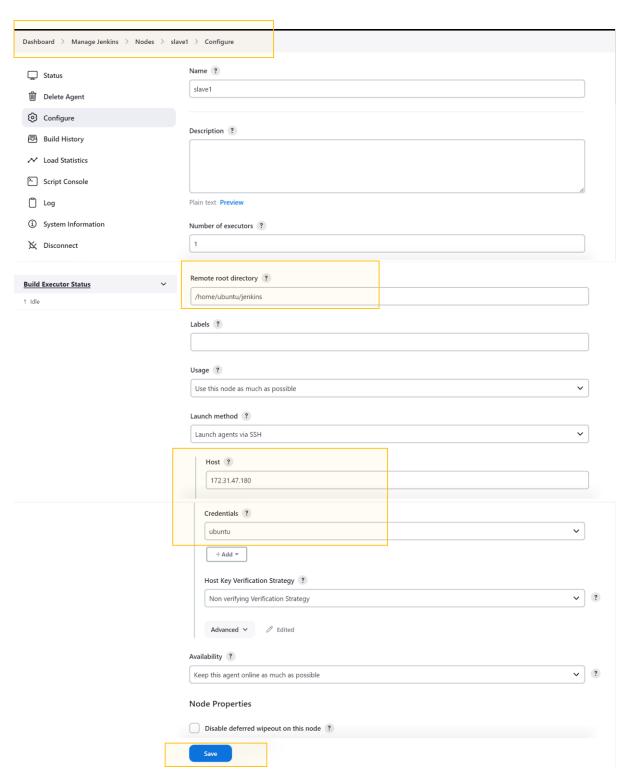
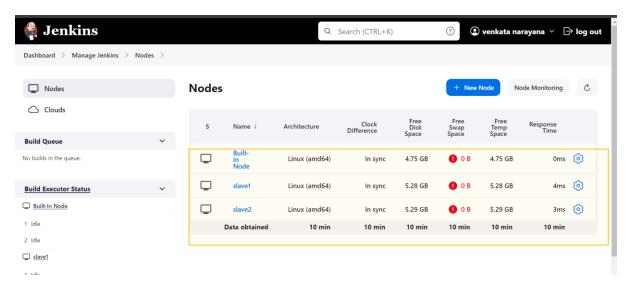
Module 6: Jenkins Assignment – 2

- 1. Add 2 nodes to Jenkins master
- 2. Create 2 jobs with the following jobs:
- a. Push to test
- b. Push to prod
- 3. Once a push is made to test branch, copy Git files to test server
- 4. Once a push is made to master branch, copy Git files to prod server
 - I have created two instances in aws and named them as slave1 and slave 2
 - Then navigated to jenkins webview
 - Configured the nodes in manage jenkins >> Nodes >> add Nodes
 - Slave1 as node1 and slave2 as node2

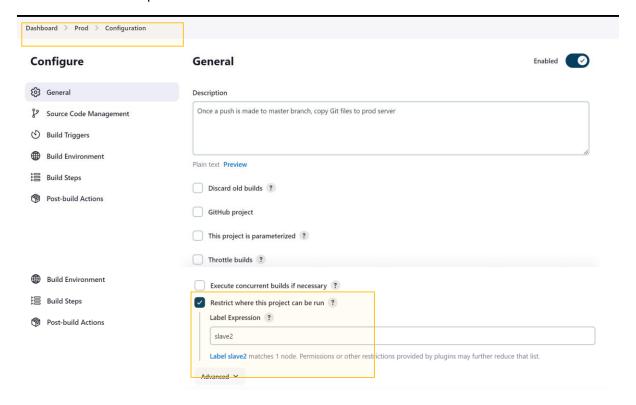


• Similarly slave2 also added

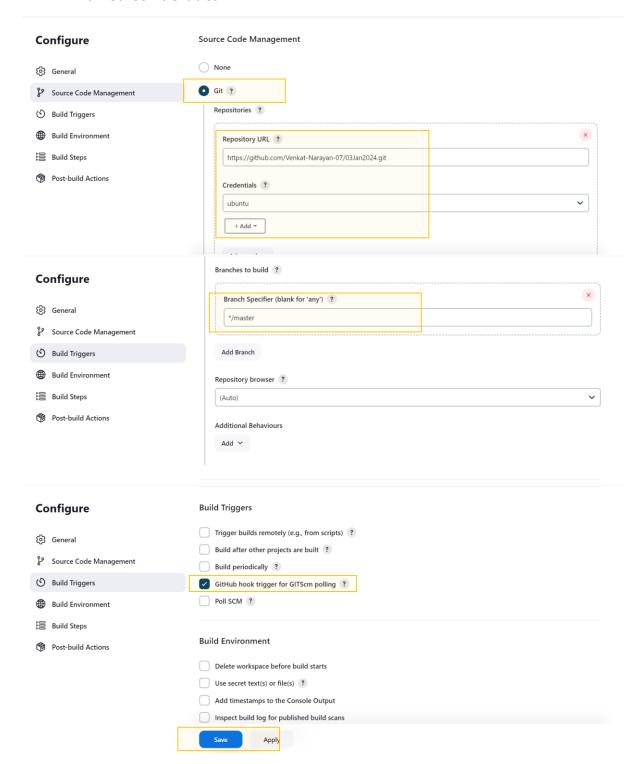
Jenkins cluster



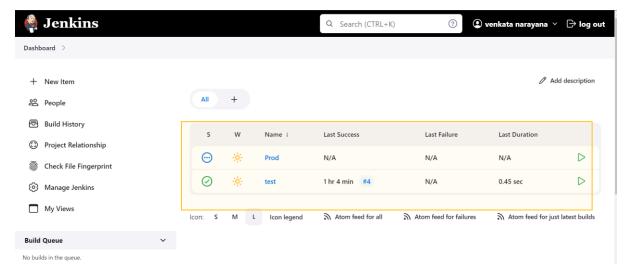
- After that prod job is created by selecting new item from leftside menu of dashboard
- Set slave 2 as prod server



- In source code management configured the git repository and creditials are set
- Master branch is specified as build trigger
- And webhook is enabled



- Similarly test job is also created and specified develop branch as build trigger and webhook is enabled
- Slave1 is set as test server



Then navigated to jenkins master instance

And checkout to the develop branch

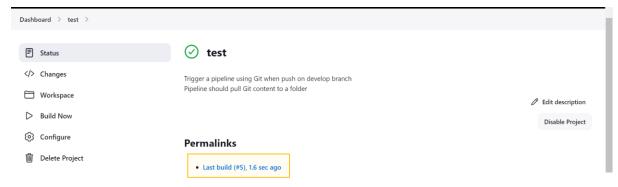
```
ubuntu@ip-172-31-38-170:~/git$ git status
On branch develop
nothing to commit, working tree clean
```

A new file is added and committed to git hub repo

```
ubuntu@ip-172-31-38-170:~/git$ touch assign2testserver.txt
ubuntu@ip-172-31-38-170:~/git$ git add assigntestserver.txt
fatal: pathspec 'assigntestserver.txt' did not match any files
ubuntu@ip-172-31-38-170:~/git$ git add assign2testserver.txt
ubuntu@ip-172-31-38-170:~/git$ git commit -m "test"
[develop 60eac44] test
Committer: Ubuntu <ubuntu@ip-172-31-38-170.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
  file changed, 0 insertions(+), 0 deletions(-)
```

• Then the changes are pushed to remote repo

As soon as changes are pushed to github, test job is automatically trigger and built a job



Code is copied to the test server

```
ubuntu@ip-172-31-47-180:-/jenkins/workspace/test$ ls
1.txxt 123.txt assign1.txt assign2testserver.txt ubuntu@ip-172-31-47-180:-/jenkins/workspace/test$ f

i-02db224271da2dd11 (Slave1)

PublicIPs: 54.172.39.70 PrivateIPs: 172.31.47.180
```

Then checked out to master branch in jenkins master

```
ubuntu@ip-172-31-38-170:~/git$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
ubuntu@ip-172-31-38-170:~/git$ git branch
develop
* master
```

A file is created added and committed to local repo

```
ubuntu@ip-172-31-38-170:~/git$ touch kvn.txt
ubuntu@ip-172-31-38-170:~/git$ git add kvn.txt
ubuntu@ip-172-31-38-170:~/git$ git commit -m "prodJob"
[master fca20a7] prodJob
Committer: Ubuntu <ubuntu@ip-172-31-38-170.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

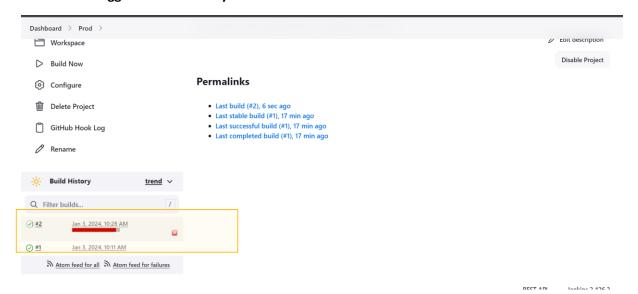
After doing this, you may fix the identity used for this commit with:
    git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 kvn.txt
```

Then the achanges are pushed to the remote repo

```
ubuntu@ip-172-31-38-170:~/git$ git push origin master
Username for 'https://github.com': Venkat-Narayan-07
Password for 'https://Venkat-Narayan-07@github.com':
Password for 'https://venkat-Narayan-Oregithub.com'.
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 517 bytes | 517.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Venkat-Narayan-07/03Jan2024.git
8233d68..8547a89 master -> master ubuntu@ip-172-31-38-170:~/git$
```

Prob is also triggerd automatically



And code is copied to the prod server

```
Last login: Tue Jan 2 08:23:00 2024 from 18.206.107.29
ubuntu@ip-172-31-44-227:~$ ls
ienkins
ubuntu@ip-172-31-44-227:~$ cd jenkins
ubuntu@ip-172-31-44-227:~/jenkins$ ls
ubuntu@ip-172-31-44-227:~/jenkins$ cd workspace
ubuntu@ip-172-31-44-227:~/jenkins/workspace$ ls
Prod Prod@tmp
ubuntu@ip-172-31-44-227:~/jenkins/workspace$ cd prod
 -bash: cd: prod: No such file or directory
ubuntu@ip-172-31-44-227:~/jenkins/workspace$ cd Prod ubuntu@ip-172-31-44-227:~/jenkins/workspace/Prod$ ls assignl.txt kvn.txt
ubuntu@ip-172-31-44-227:~/jenkins/workspace/Prod$ [
   i-0585a5bddade95525 (Slave2)
```

PublicIPs: 3.81.85.150 PrivateIPs: 172.31.44.227