

Module-8: Jenkins Assignment – 2

You have been asked to:

- Add 2 nodes to Jenkins master
- > Created 2 different slaves or nodes in EC2.
- Create 2 jobs with the following jobs:
 - Push to test
 - Push to prod

Here seems like test and master is the two different branch of different slave.

- Once a push is made to test branch copy git files to test server
- Once a push is made to master branch copy git files to prod server

Solution:

Now here we created two nodes Slave-1 and Slave-2 with 2 jobs Job-1 and Job-2

Slave-1 or Test = Test node

Slave-2 or Prod = Prod node

This assignment is similar with the Assignment one :

Here we just created 2 different jobs

1st job is checking the slave-1 and working with the test branch

2nd job is checking the slave-2 and working with the master branch.

Now this assignment is working as whenever we do “push” the folder will create on the slave machine required accordingly.

Find the solution below:

Go to manage Jenkins inside the Jenkins GUI->Security->Agents->Random->apply & save and install the plugins SSH agent from manage Jenkins.

Here as we need to create 2branch 1st is test which is for slave-1 job-1 and 2nd is master for Slave-2 job2

For configuration take the reference of the assignment-1

https://github.com/Harshit407/Mydevops_handson/blob/020ec59de7d13e6365cb22ae4e57bf51f05c8961/Jenkins-assignment-1.pdf

For creation of the Nodes in the Jenkins and job in Jenkins
Configuration is mostly same as we created in the 1st assignment for both just we need to add the different IP and Label express “Slave-1” for Job1 and for Job2 “Slave-2”

And Branches to build ->As per the
question requirement “/test” for Job-1 and “/master” for Job-2

We created the git directory with “mkdir git”

Inside that file run the below commands:

“Touch firstfolder” -> “git init” -> “git add .” ->“git commit -m “1st change””

Checked the branch with “git branch” as if now we are working on the master branch.

Created new branch as “git branch test”

“git switch test”

Create new file “touch 2nd_folder”

“git init” -> “git add .” -> “git commit -a “2nd change”” -> “git remote add origin
https://github.com/Harshit407/Jenkins_repo.git” -> “git remote -v” -> “git push --all”

Now run the build now from the Jenkins for both jobs Job-1 and Job-2

All +

atus of the last build

S	W	Name ↓	Last Success	Last Failure	Last Duration
		Job1	1 hr 19 min #2	N/A	1 sec
		Job2	1 hr 19 min #2	N/A	1 sec

Icon: S M L Icon legend Atom feed for all Atom feed for failures Atom feed for just latest builds

This 2nd build now is run automatically trigger when we run the “push --all “ from CLi it will push the folder inside the slave machine which we are push to the github.

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