## Module-8: Jenkins Assignment - 2

#### You have been asked to:

- Add 2 nodes to Jenkins master
- Create 2 jobs with the following jobs:
- Push to test
- Push to prod
- Once a push is made to the test branch copy Git files to the test server
- Once a push is made to the master branch copy Git files to the prod server

#### **Answer**

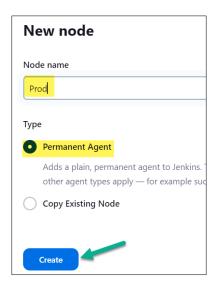
Create the new EC2 instances one for Prod and another for Test.



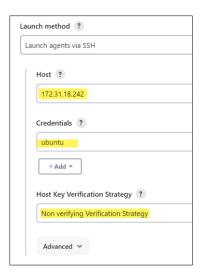
Install the Java in both nodes.

```
sudo apt update sudo apt install openjdk-11-jdk -y
```

After successful installation of Java on both the nodes, go to Jenkins and Manage Jenkins  $\rightarrow$  Nodes  $\rightarrow$  New Node

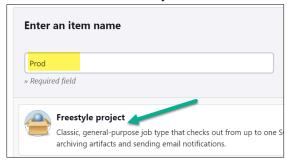


Add the name as **Prod** and Click **Create**Set Remote root directory: /home/Ubuntu/Jenkins/



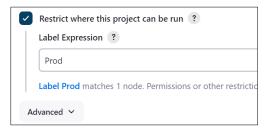
## Click Save

## +New items create a New job



## Click Ok



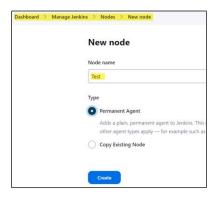


Restrict project to Prod instance



Branch Master
Select GitScm webhook
Click Apply and Save

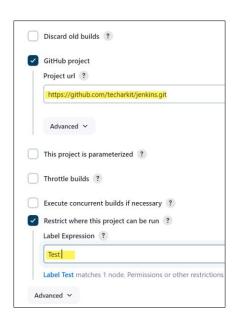
In a similar way to the above Add Test Node and Test Job, the branch name is test

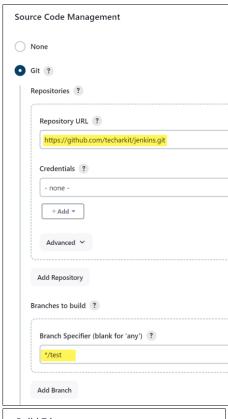


# Test Select SSH Authentication and provide the Test node IP Address Click Save.

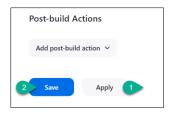
#### Add New Job







Build Triggers
Trigger builds remotely (e.g., from scripts) ?
Build after other projects are built ?
Build periodically ?
GitHub hook trigger for GITScm polling ?
Poll SCM ?



Now both the nodes and pipelines are ready.

```
git status
touch prodfile
git checkout master
git add .
git commit -m "Adds New prodfile"
git push origin master
```

Once the push-triggered pipeline will be executed, similar way push the code to test branch test pipeline will be executed.

