Objective

Create an Jenkins job with GITHUB integration

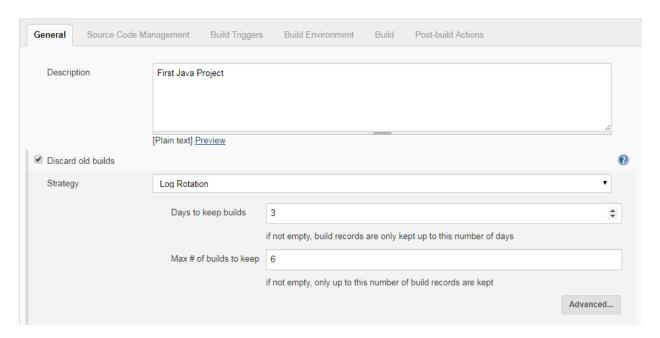
Steps

}

1. Create a local repo with GIT or github desktop and create the below mention file class Simple{

```
public static void main(String args[]) throws InterruptedException{
   Thread.sleep(10000);
   System.out.println("Hello Java");
}
```

- Publish the repo to the remote GITHUB.
 Example → https://github.com/Vishwanathms/Java-Proj1
- 3. Create an Jenkins job as below.



This would keep the history builds for max no of days of 3 or Max of "6" build.

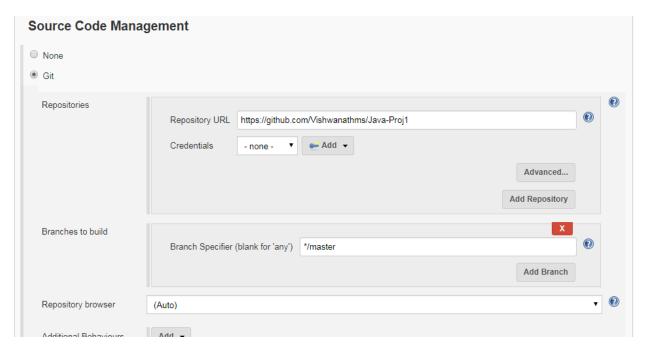
No of builds takes the precedence over the Max no of days.

Jenkins-Job-With GITHUB Integration



First option is to execute multiple builds together.

Next is to run this job only on Master, as the label is mentioned with it.



Here you configure the github repo link which the Jenkins should pull.

Note → for this to work successfully, we should hve installed "git" on the master Jenkins

yum install git

```
[root@localhost ~]# yum install git
Loaded plugins: fastestmirror, langpacks
Loading mirror speeds from cached hostfile

* base: centos.excellmedia.net

* epel: download.nus.edu.sg

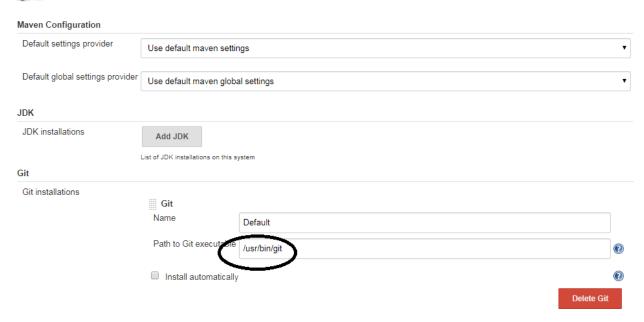
* extras: centos.excellmedia.net

* updates: centos.excellmedia.net

Package git-1.8.3.1-20.el7.x86_64 already installed and latest version
Nothing to do
[root@localhost ~]#
```

And configure the same in the "Global Tool Configuration" under the "Manage Jenkins"

Clobal Tool Configuration

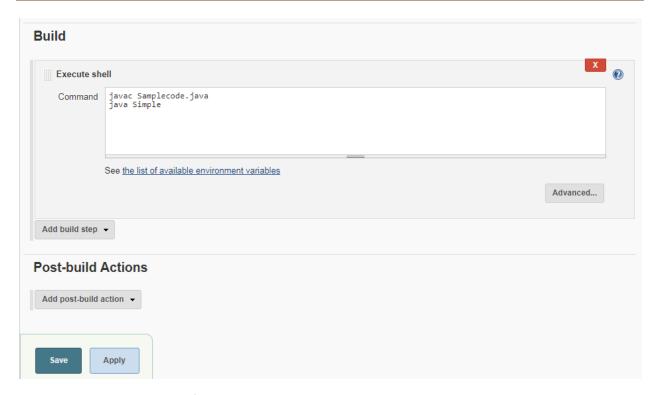


This will make sure the git pull is successfully by Jenkins while executing the jobs.

Note → Jenkins clones the repo's into its local "workspace" area.

Finally now, lets configure the Build

Jenkins-Job-With GITHUB Integration



For the Build to work successfully.

We would need to install the JAVA JDK on the Jenkins master.

sudo yum install java-1.8.0-openjdk-devel.

Also in the "Global tool Configuration" configure the below



4. Check the build

Now when we execute the build

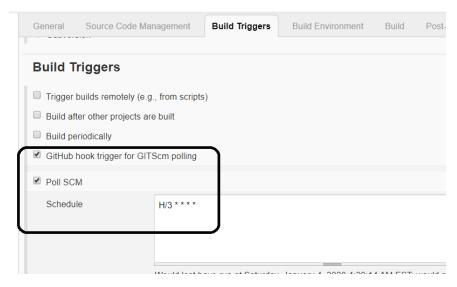


Hello Java Finished: SUCCESS

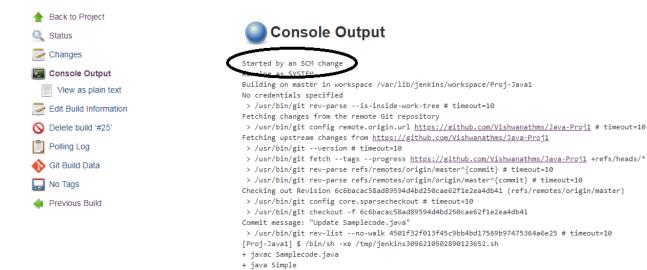
This would be the output.

5. Let's change some content in the repository for Jenkins to trigger the build automatically.

I have edited the repo on the github and committed the changes and in next 3 min as mentioned in the build, the below build is triggered automatically



Now, do the changes in the repo, that is on the .java file and the Jenkins job should trigger automatically as shown below.



Hello Java Finished: SUCCESS