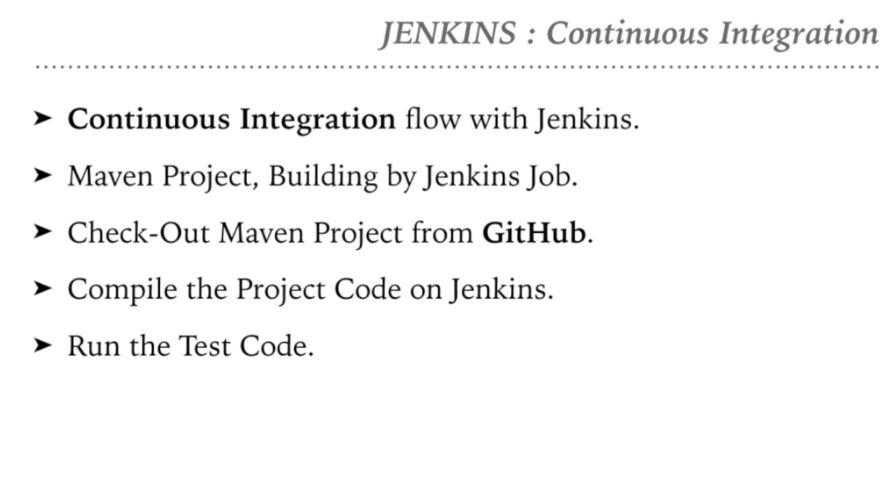
INTEGRATE GIT AND GITHUB WITH JENKINS



TO integrate git with Jenkins, we should have plugin installed on Jenkins.

For git working on Jenkins, we should check whether git is installed on Jenkins servers.

Checking using git –version to see any output if no output we can run below command

sudo apt-get install git

Now install git plugin on Jenkins: select github integration plugin for Jenkins by searching it.

Install and check again if it is installed.

Now we will need to set the Global environment variables for the Jenkins setups in dashboard.

Select > global environment details for :

JAVA

Goto java server and do java –version and see the version used :

In /usr/lib/jvm match the exact java and go into according folder viz., below :

root@linux-jenkins:/usr/lib/jvm# java --version

**openjdk 11.0.16 2022-07-19**

**OpenJDK Runtime Environment (build 11.0.16+8-post-Ubuntu-0ubuntu118.04)**

**OpenJDK 64-Bit Server VM (build 11.0.16+8-post-Ubuntu-0ubuntu118.04, mixed mode, sharing)**

root@linux-jenkins:/usr/lib/jvm# cd java-11-openjdk-amd64/

root@linux-jenkins:/usr/lib/jvm/java-11-openjdk-amd64# ls

**bin conf docs legal lib man release**

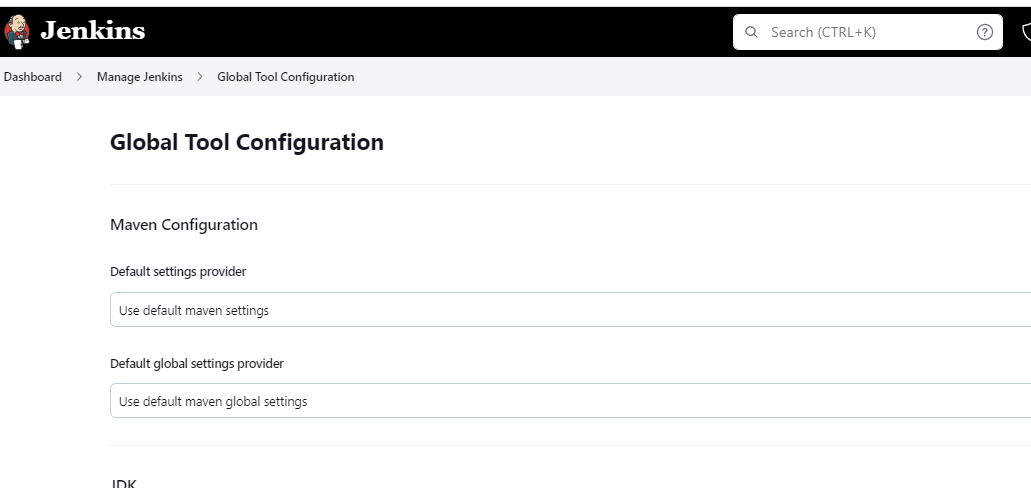
root@linux-jenkins:/usr/lib/jvm/java-11-openjdk-amd64# pwd

**/usr/lib/jvm/java-11-openjdk-amd64**

root@linux-jenkins:/usr/lib/jvm/java-11-openjdk-amd64#

copy path above to exact java folder to Jenkins environment variables section in JAVA.

Manage Jenkins > Global Tool configuration > JDK > Add JDK





In the similar way we can give parameters for GIT and Maven below :

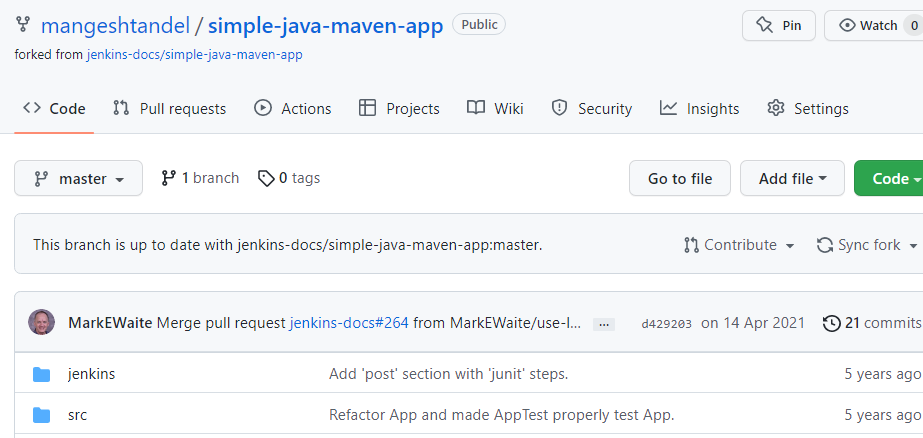


For maven go to path : /usr/share/maven-repo/org/apache/maven

OR you can also simply type : /usr/share/maven, it will take in most cases.

NOW EXECUTE NEW PROJECT USING MAVEN IN JENKINS

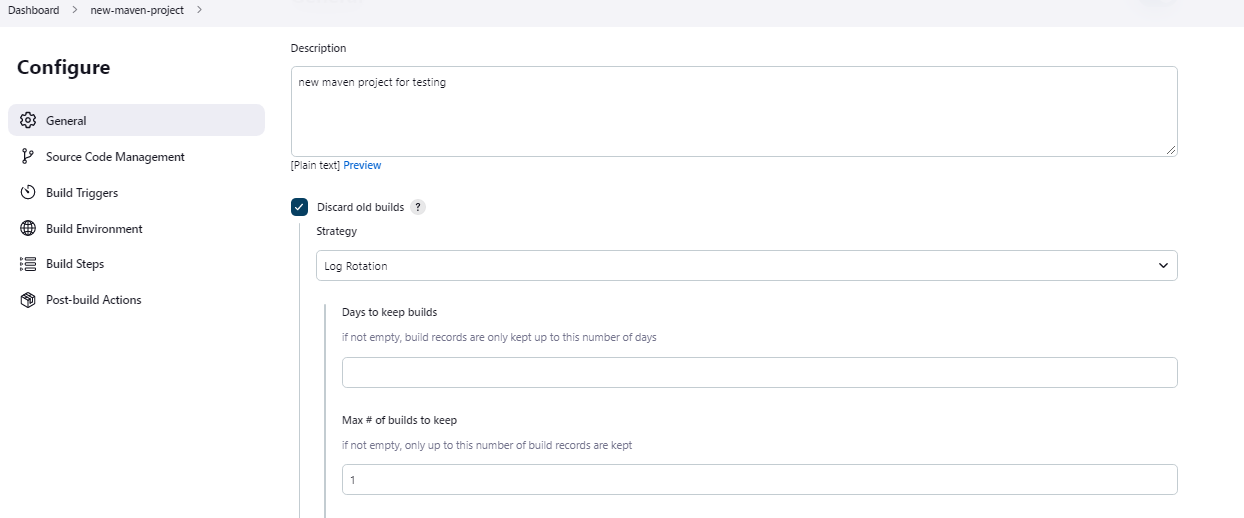
Fork a maven project here in my case,

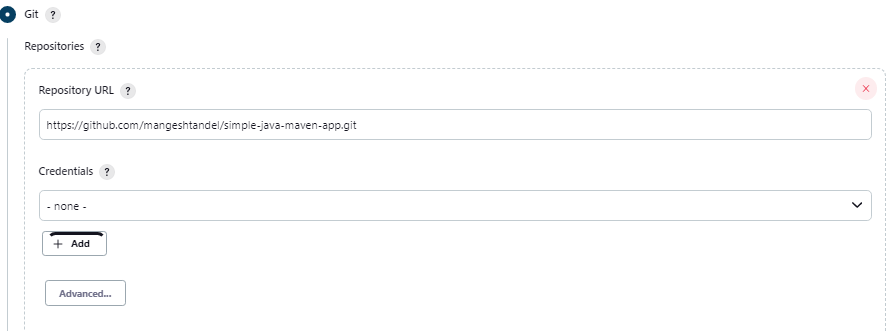


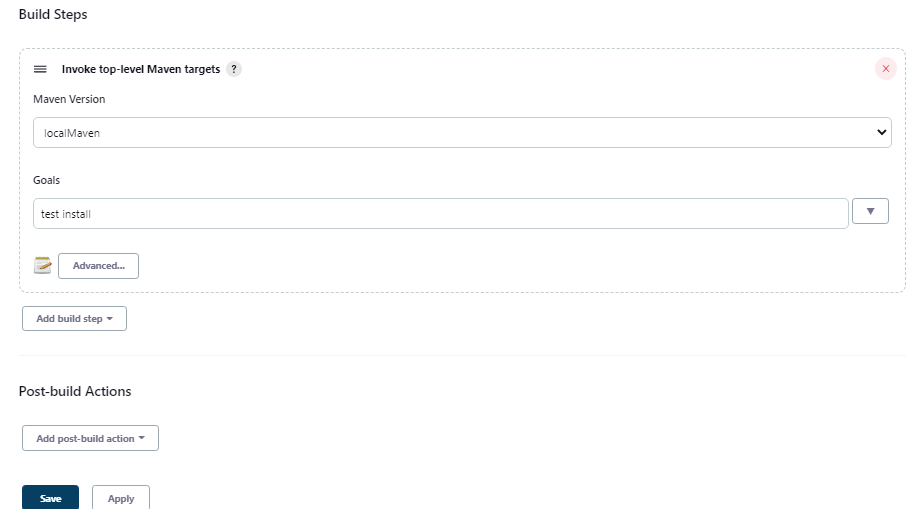
Make new job and add below to GIT https link and goals as below:

**First add : test install**

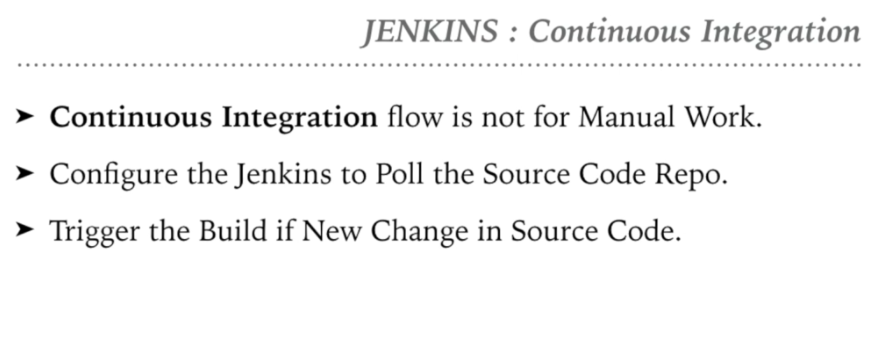
**Secondly add : clean package**

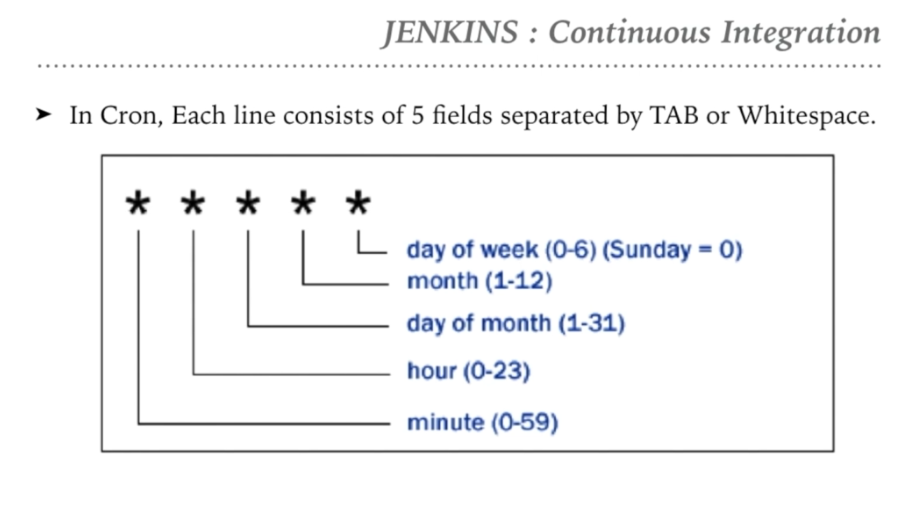


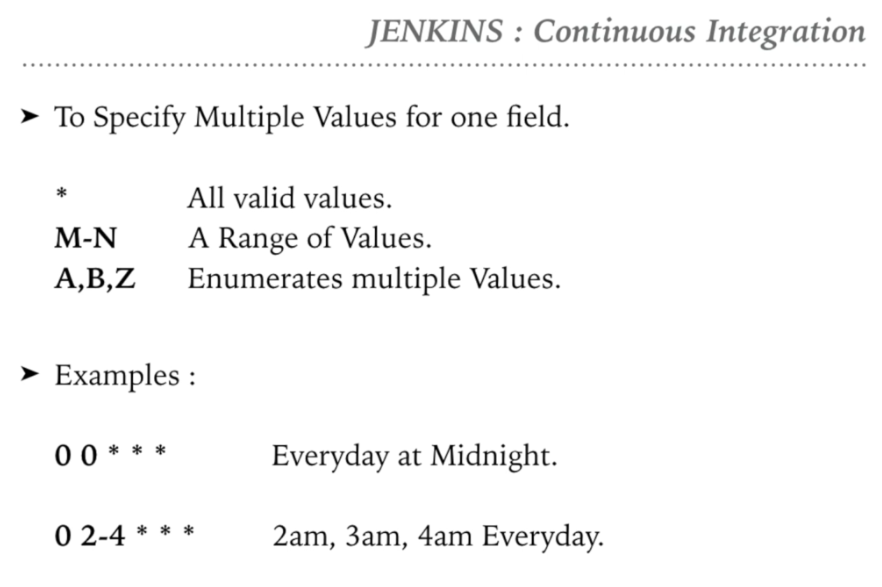




root@linux-jenkins:/var/lib/jenkins/workspace/new-maven-project/target# java -jar my-app-1.0-SNAPSHOT.jar



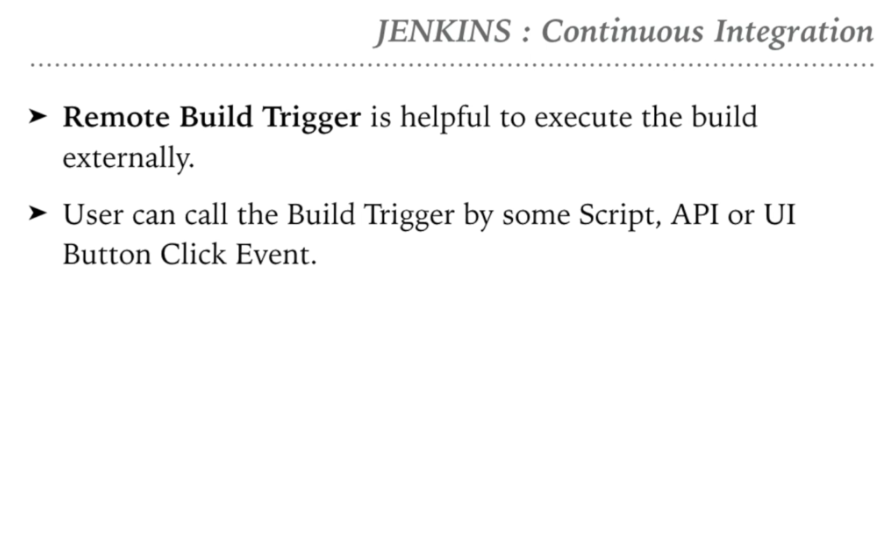


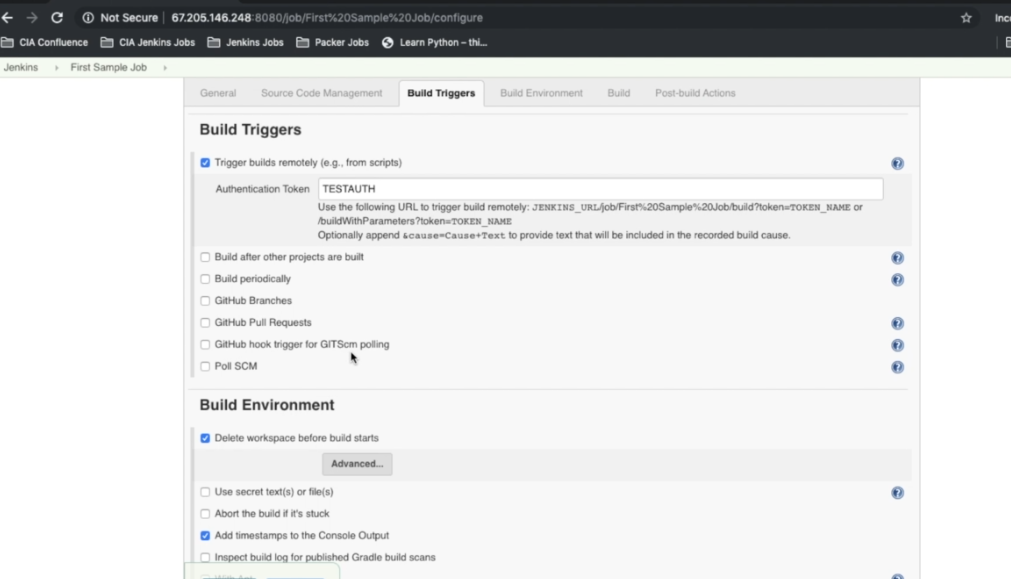


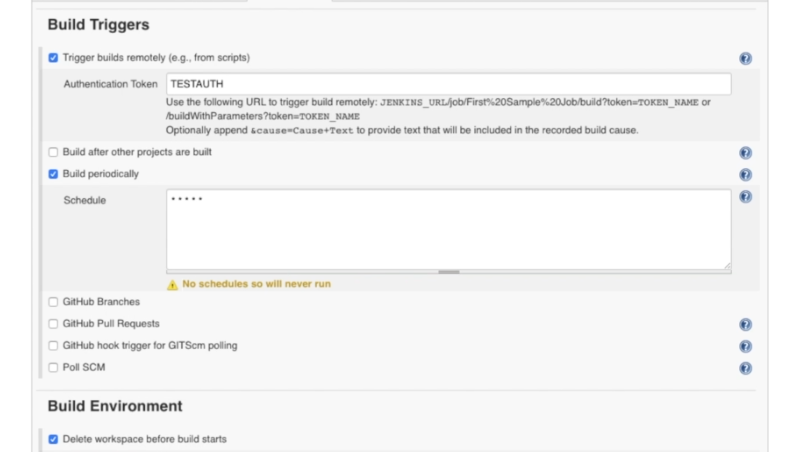
ghp\_OOvvOfot10GO6JIHVhzDLlruHrhThf2B7RZF

root@linux-jenkins:/var/lib/jenkins/workspace/new-maven-project/target# java -jar my-app-1.0-SNAPSHOT.jar

<https://stackoverflow.com/questions/7438313/pushing-to-git-returning-error-code-403-fatal-http-request-failed>







<http://137.184.68.95:8080/job/new%20project%201/build?token=TEST1JOB>



