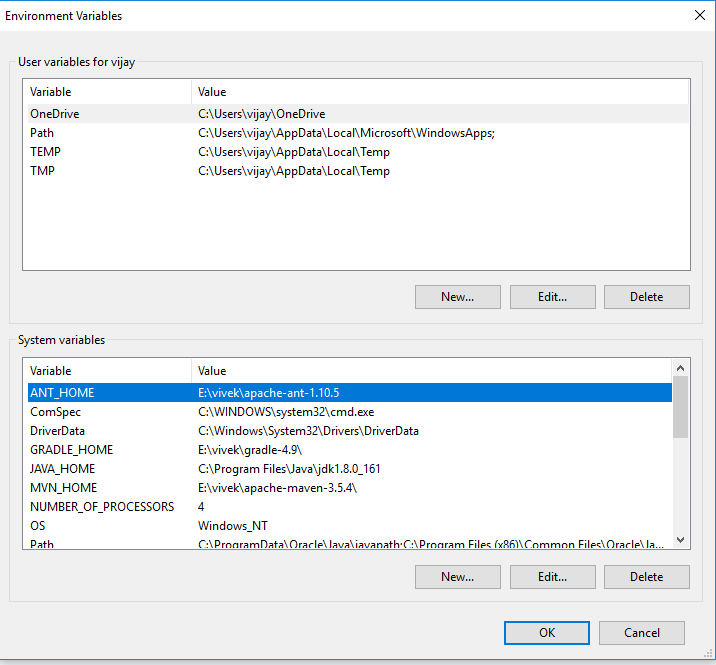
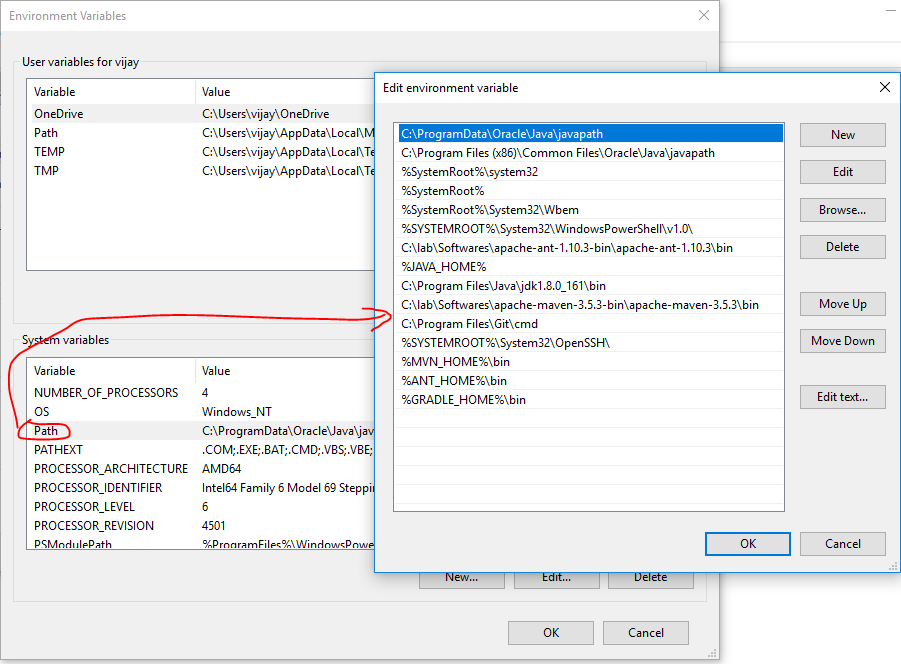
In windows machines





Github.com

bvijaycom

netadmin\_123

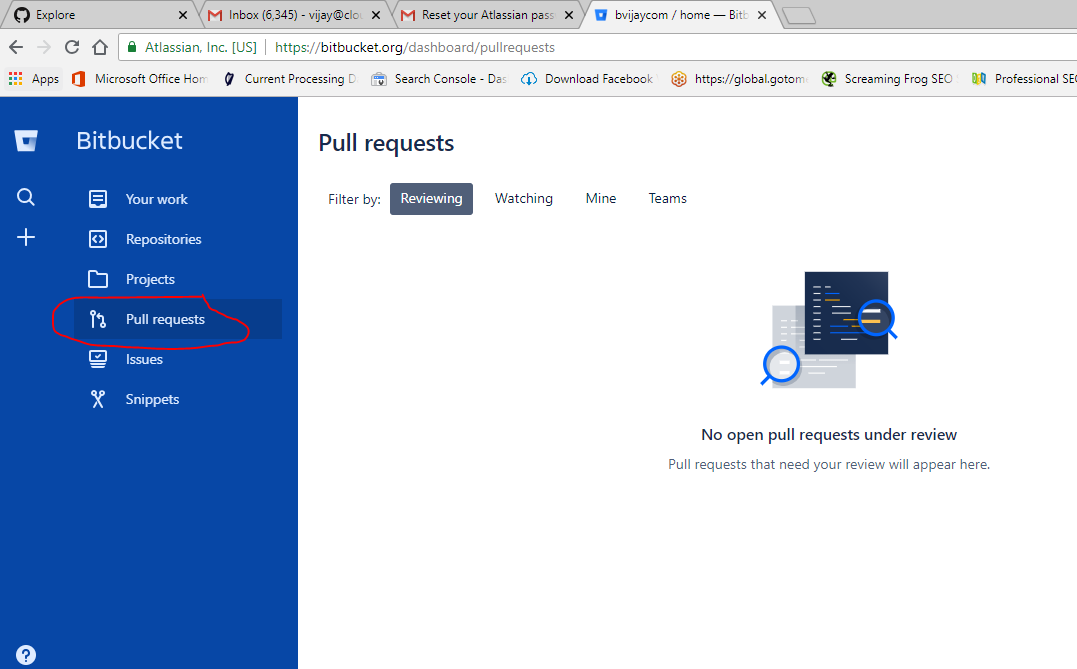
github is having public repository. private also is there.

bitbucket.org

bvijaycom

netadmin\_123

it is also similar to github and but this is really meant for enterprise



Github all can merge into master branch. because it is public. However in this bitbucket this master branch control will be with senior architect not to other developers.

Goto github type Nagios ,you will see all the public available repositories across the world

But in bitbucket you don’t have that option

Before tomcat install httpd and show the website to them then start tomcat

Maven

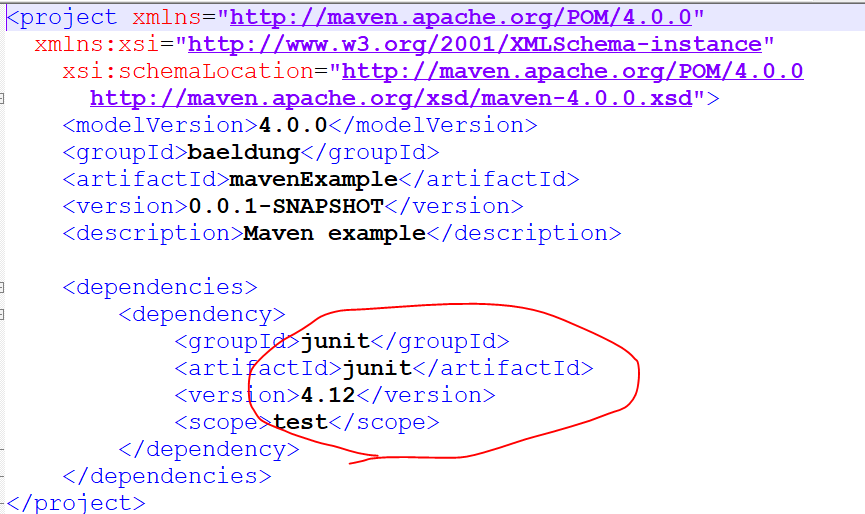
How to install tomcat

Tomcat\_installation\_whitepaper.txt file

Then go to maven

Maven was made to use java projects completely.

Maven.xml



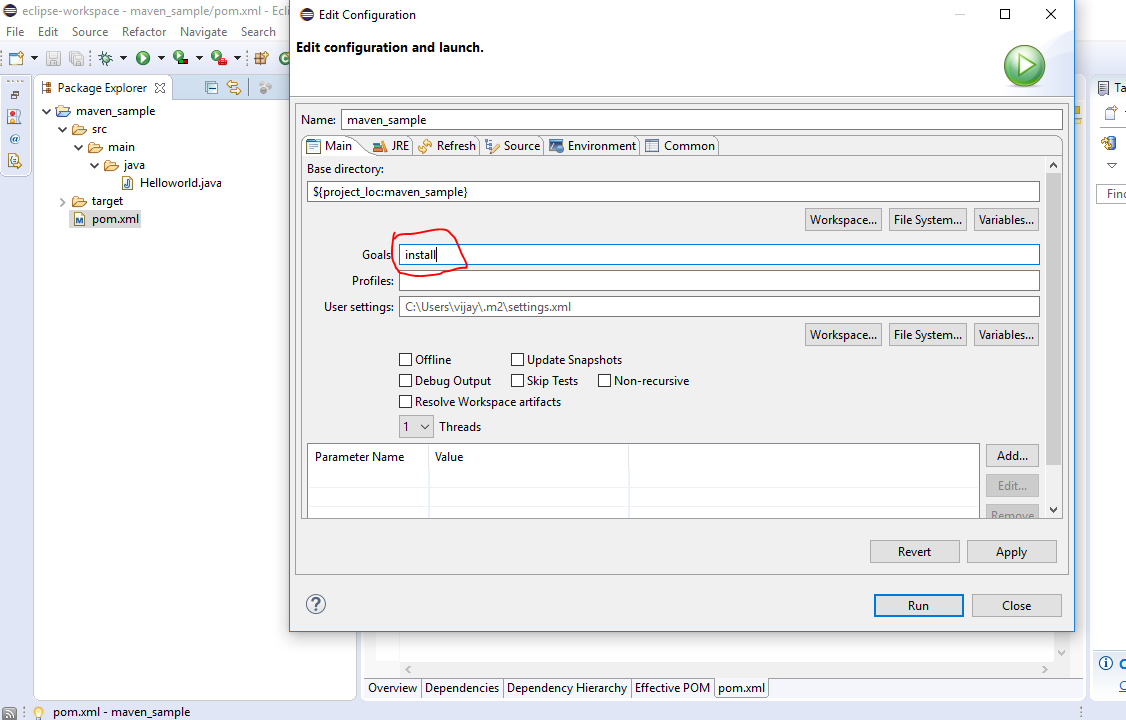
If I mention the version maven will automatically download the dependency packages and files.However ant cannot do it.

Explain maven.xml and ant.xml and gradle.gradle files

Maven.xml or pom.xml is same….

Install eclipse for java developers and download helloword.java file and execute it in eclipse

Import maven project



<https://stackoverflow.com/questions/21099072/eclipse-maven-error-no-compiler-is-provided-in-this-environment/21099229>

compile in with pom.xml in eclipse and got the target directory.

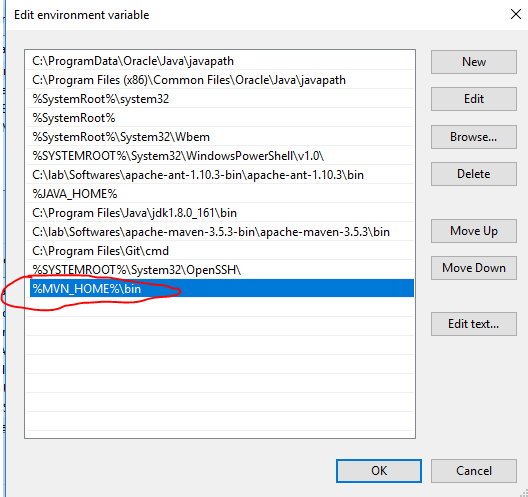
Jar file you need to deploy

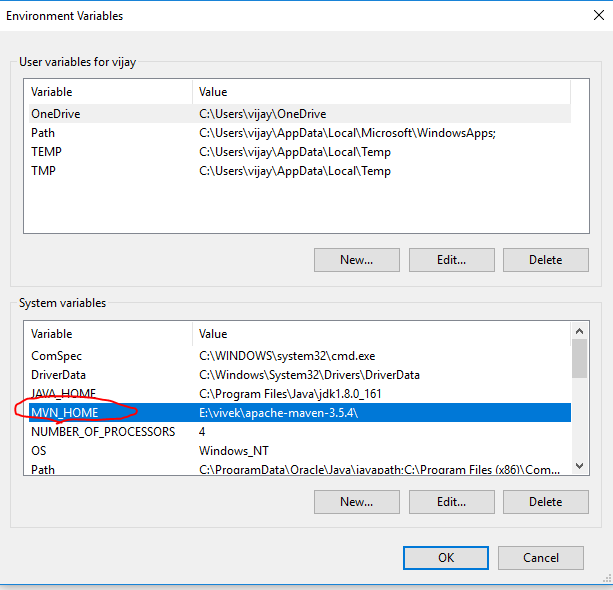
From that folder command prompt

java -jar Helloworld-1.0-SNAPSHOT.jar

install maven

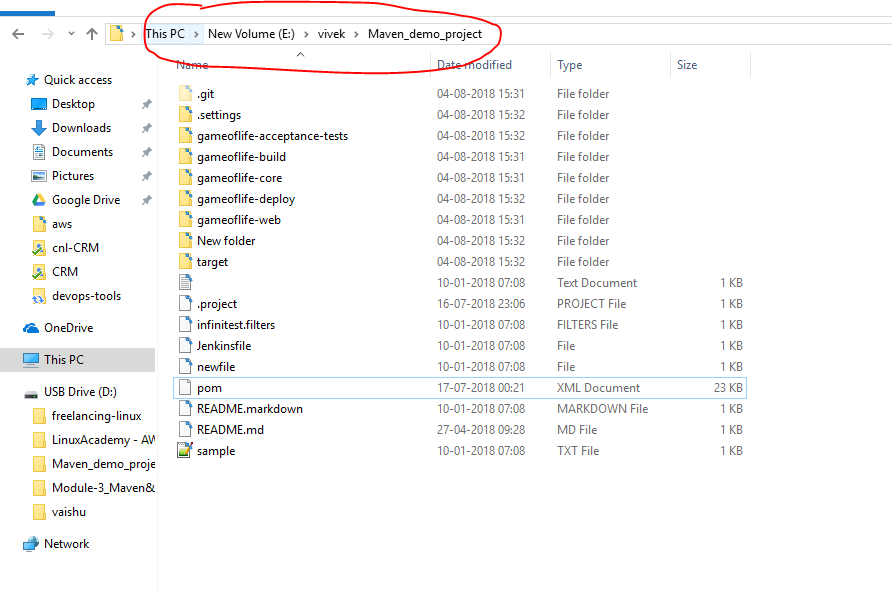
download and extract and configure the environment variable



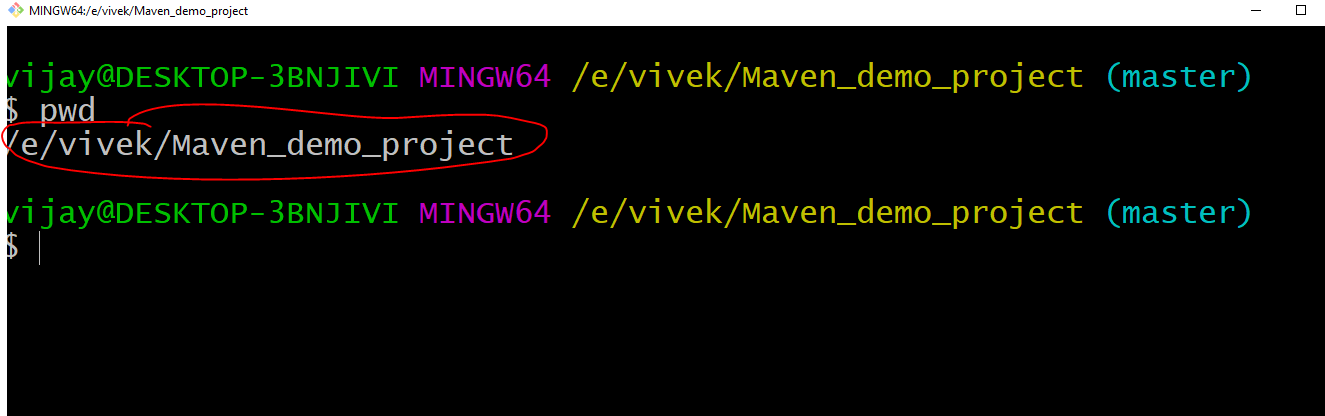


Take sample maven project and deploy in command prompt

Go to that project folder



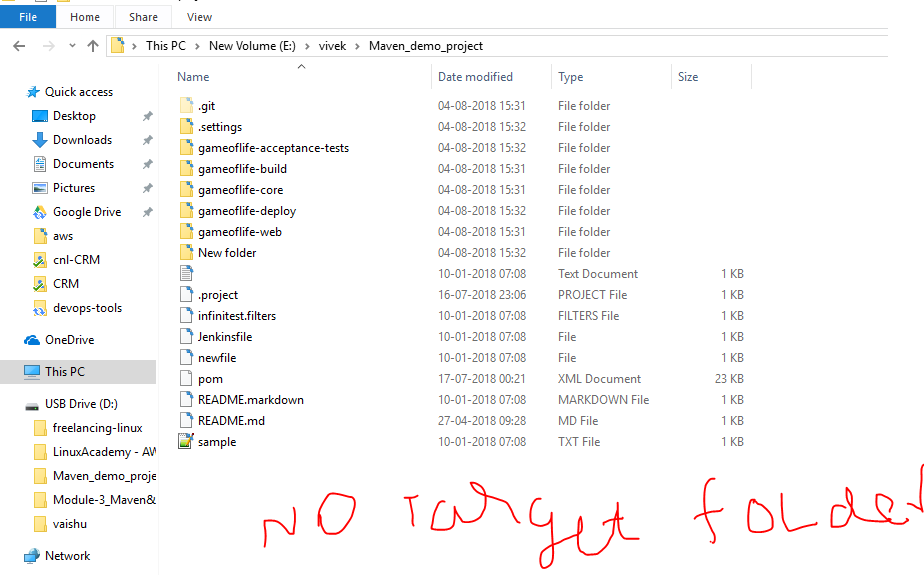
In that folder right click select git-bash



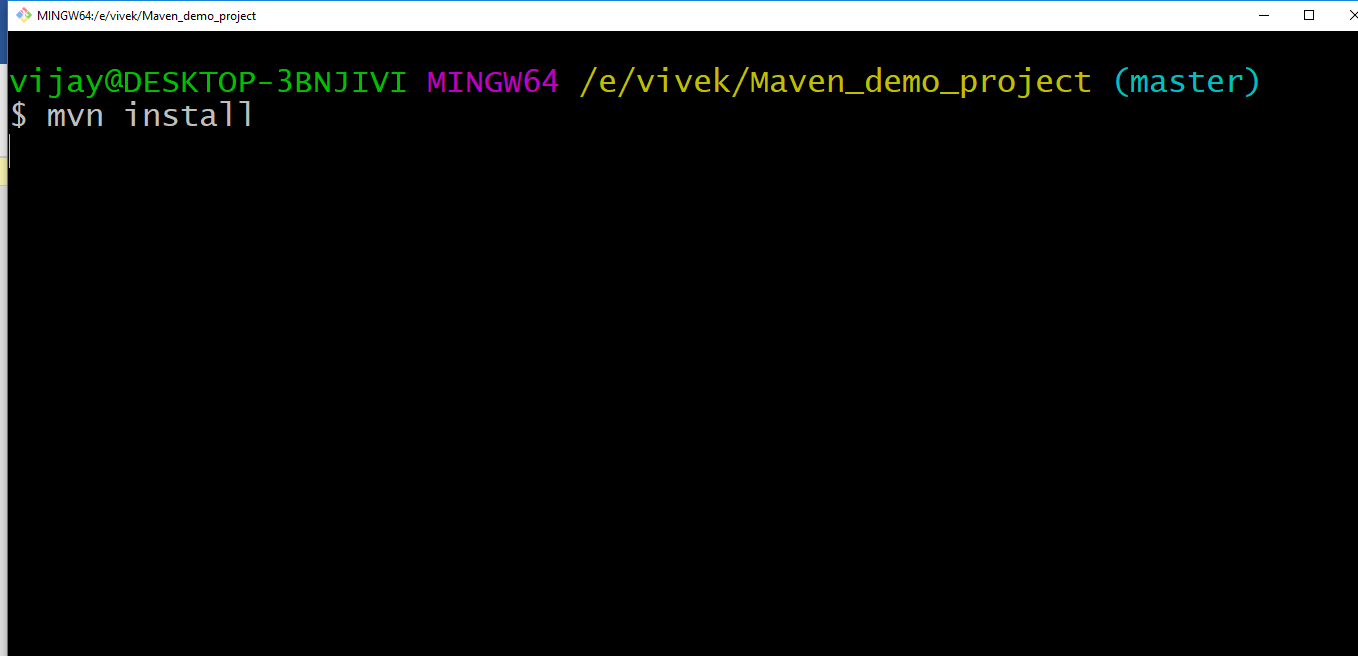
Run

Mvn clean command

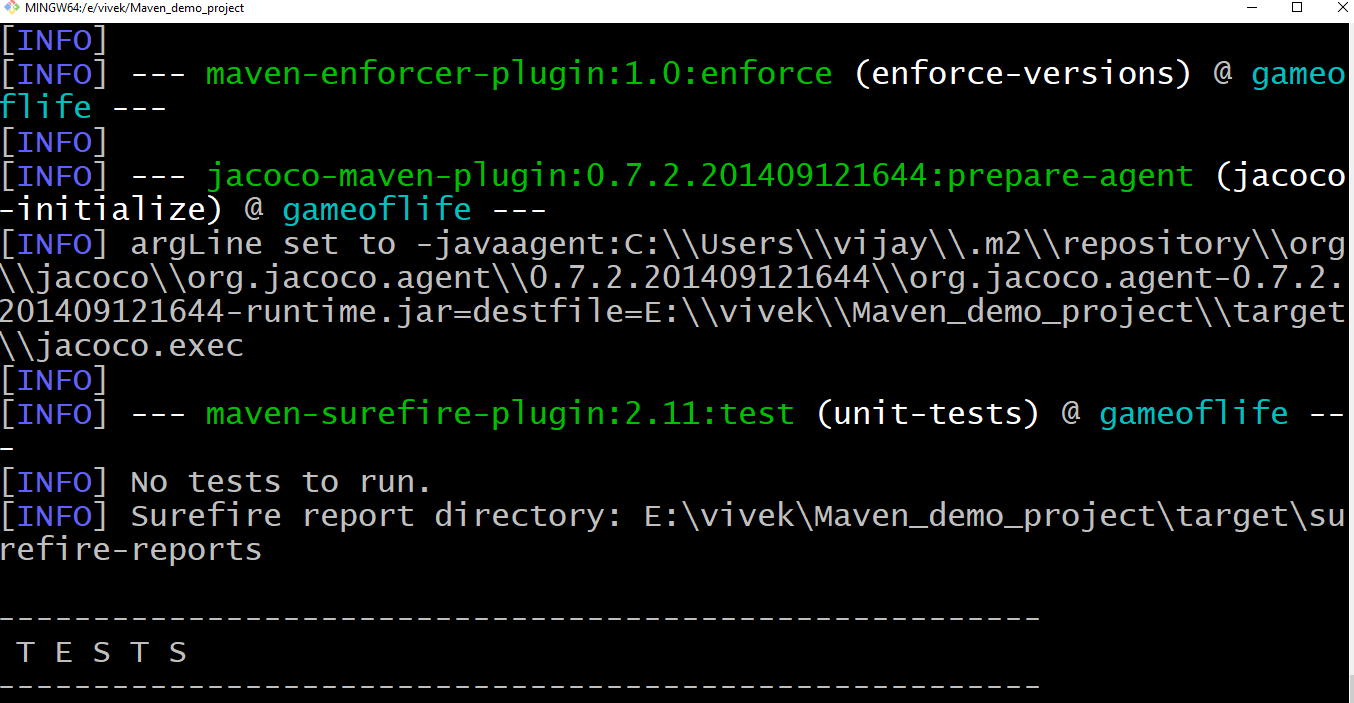
It will remove target folder



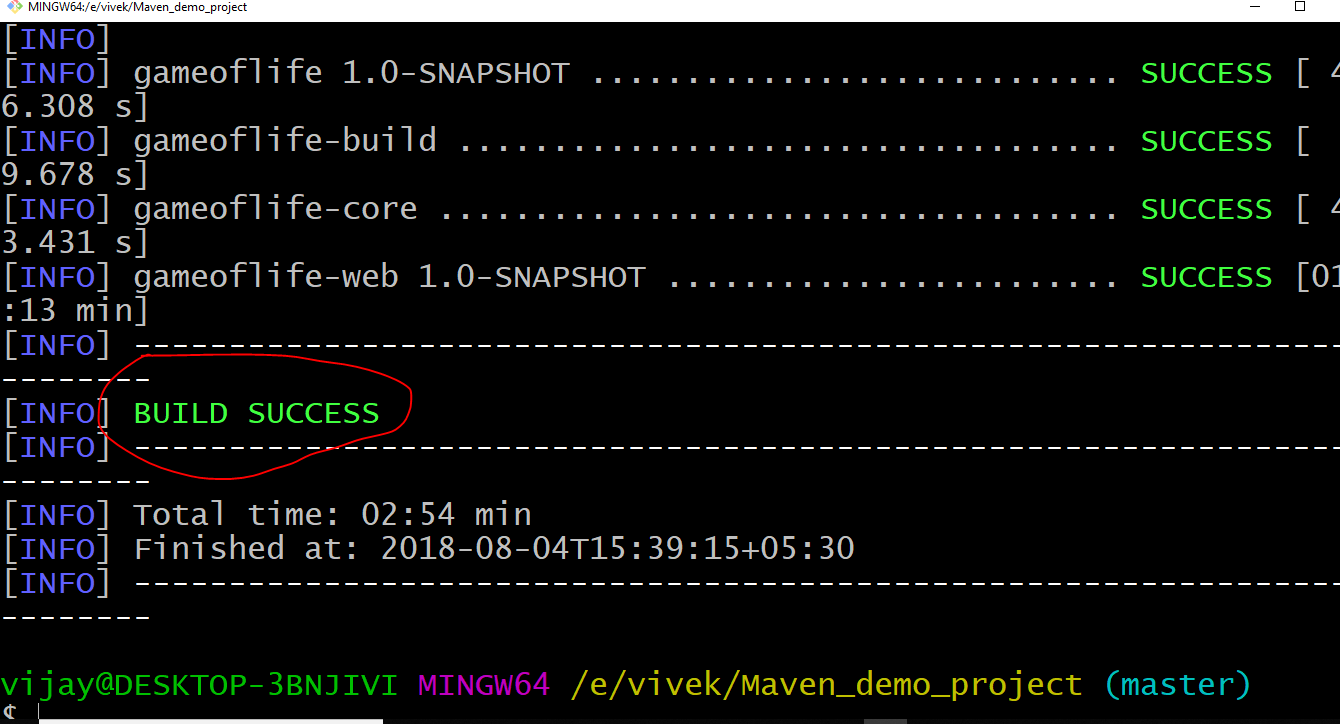
Mvn install



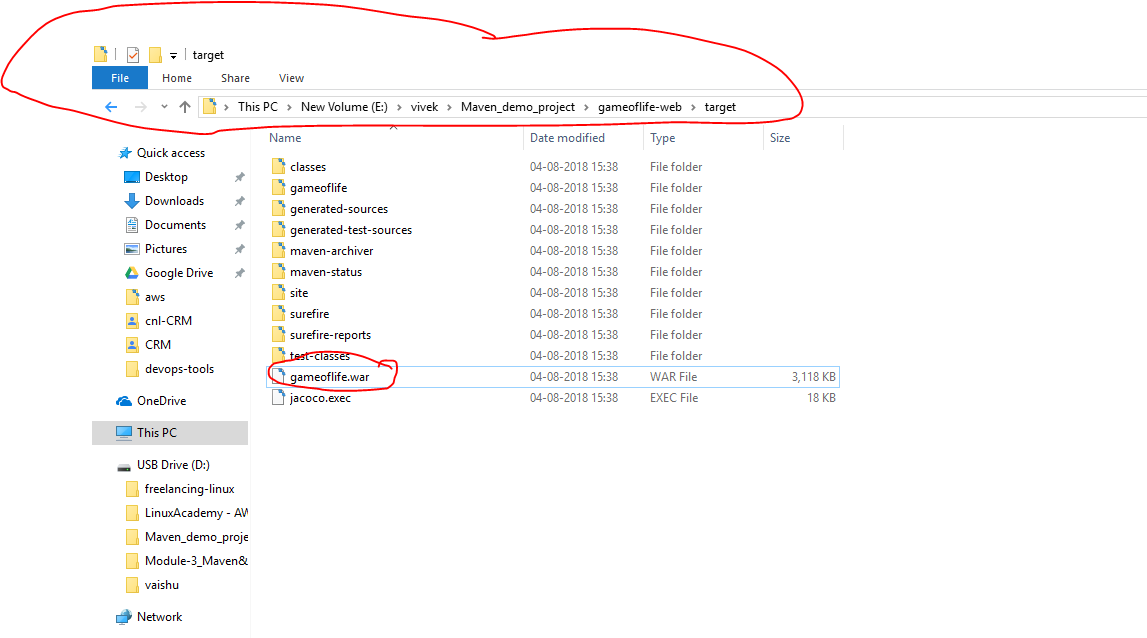
Now



Now in target folder war file will be generated

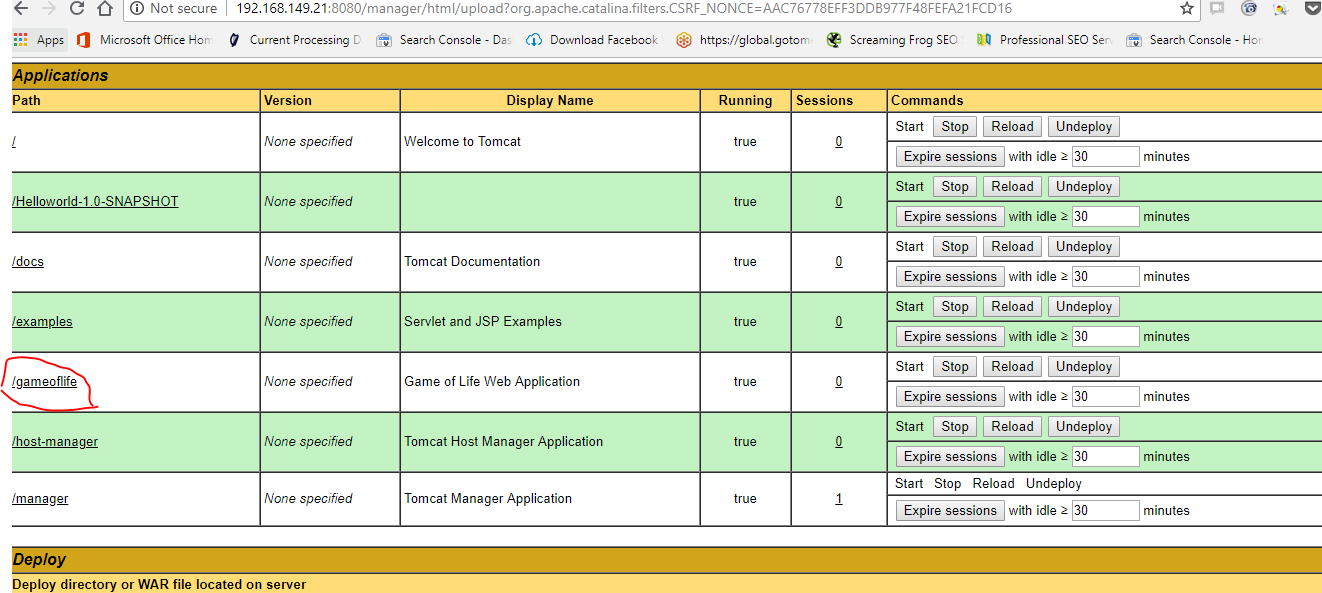


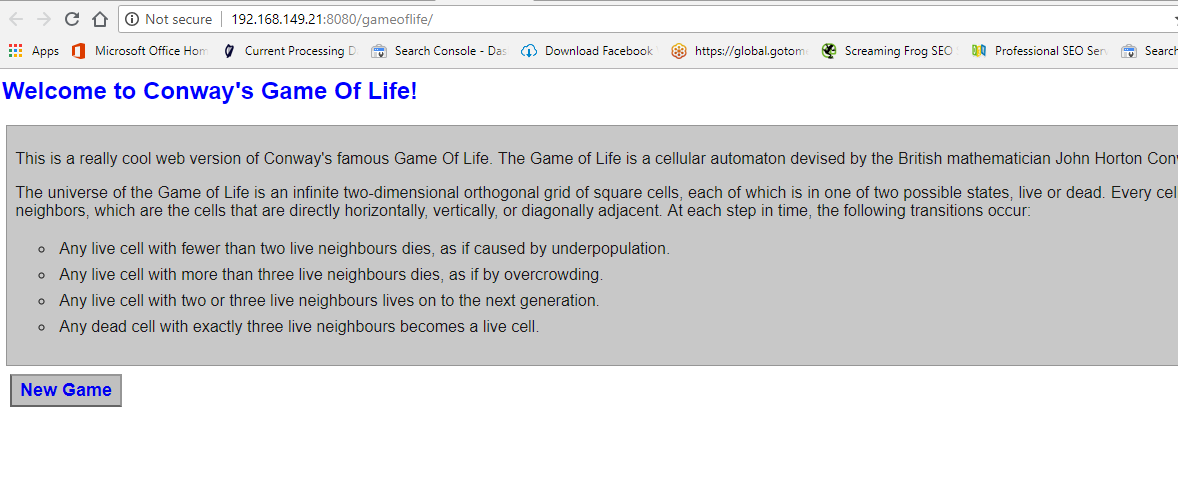
In the above build success



Gamelifeof.war file will be created

Then open tomcat 192.168.149.21:8080 and in admin deploy gameoflife.war file and see below application screen





Download and install ant

<http://www-eu.apache.org/dist//ant/binaries/apache-ant-1.10.5-bin.tar.gz>

add ant variable in the system environment PATH variable

E:\vivek\apache-ant-1.10.5\bin

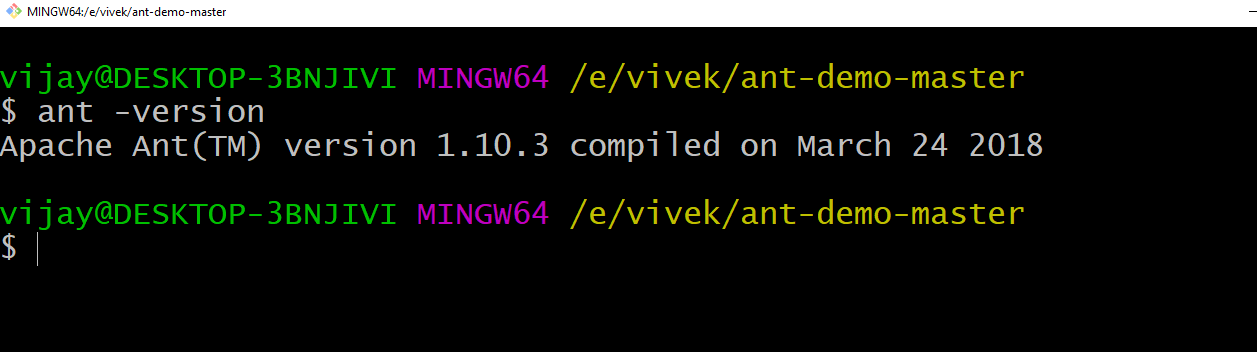
Go to ant project

E:\vivek\ant-demo-master

Open git bash

Type the following command to ensure our system path variable is working

Ant -version



Ant build or ant command

The above command will create war file

Deploy the war on tomcat

**Need to get the ant project from vijay**

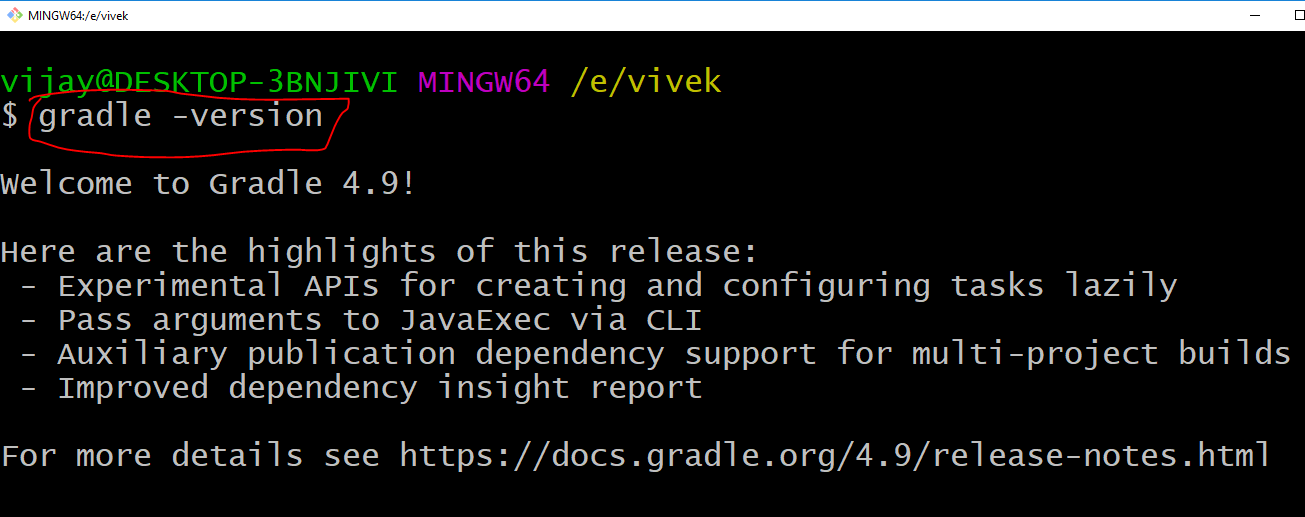
**Gradle**

**Download gradle bin file**

**Extract it**

**Set the environment variable**

**GRADLE\_HOME=** **E:\vivek\gradle-4.9\bin**

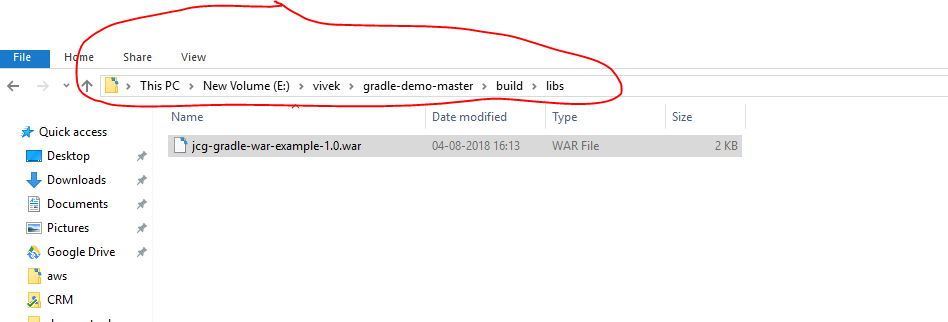




**Go to the gradle project**

gradle build

**go to the below folder**

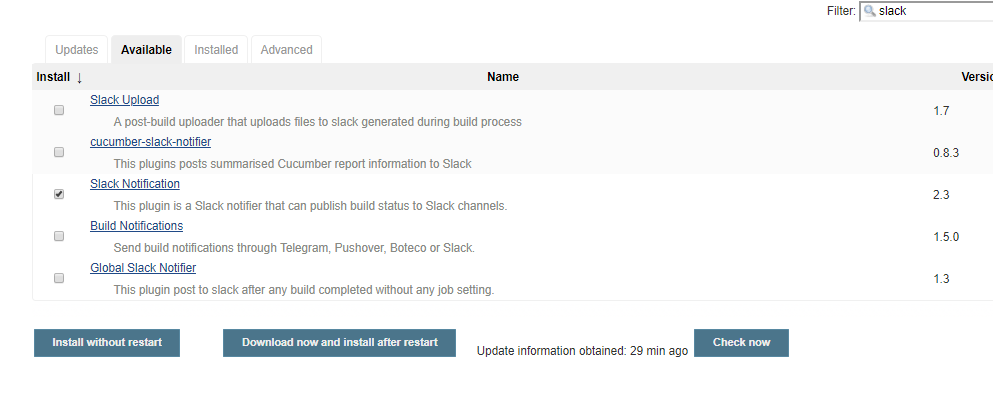


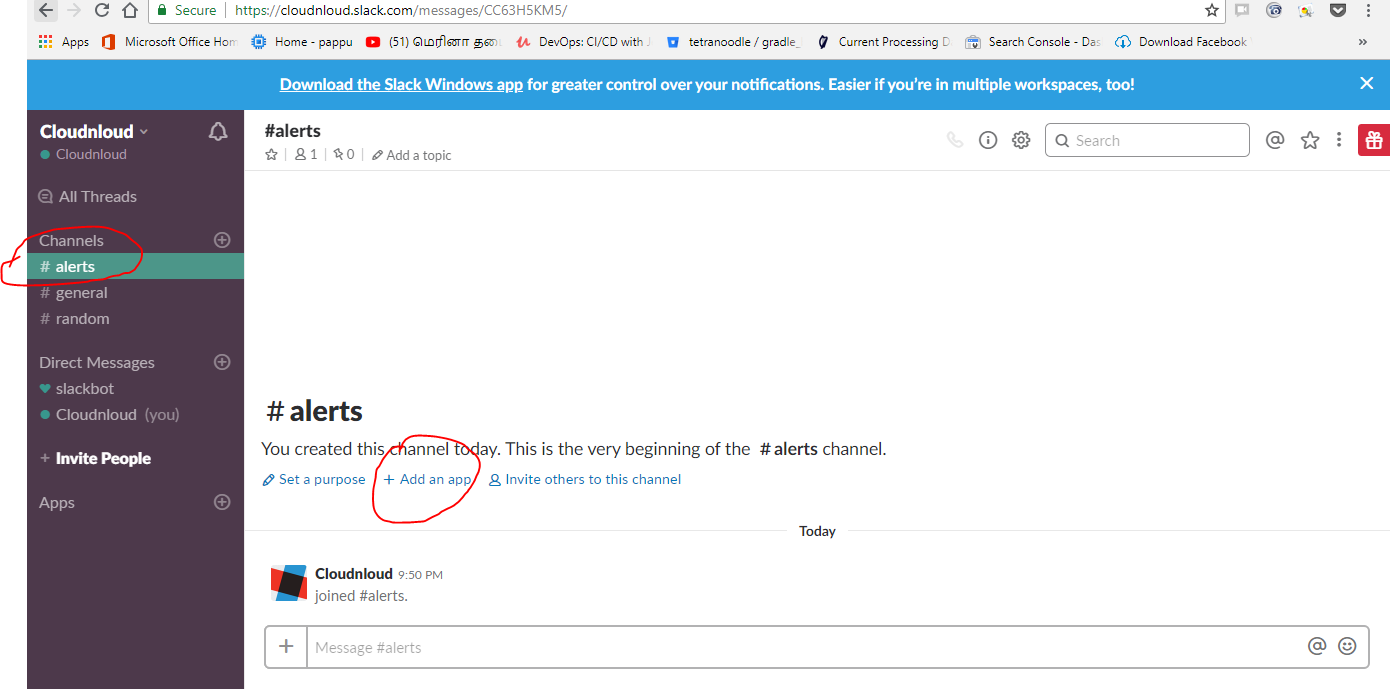
**Deploy war file in tomcat**

**jcg-gradle-war-example-1.0.war**

**SLACK CHAT Integration**

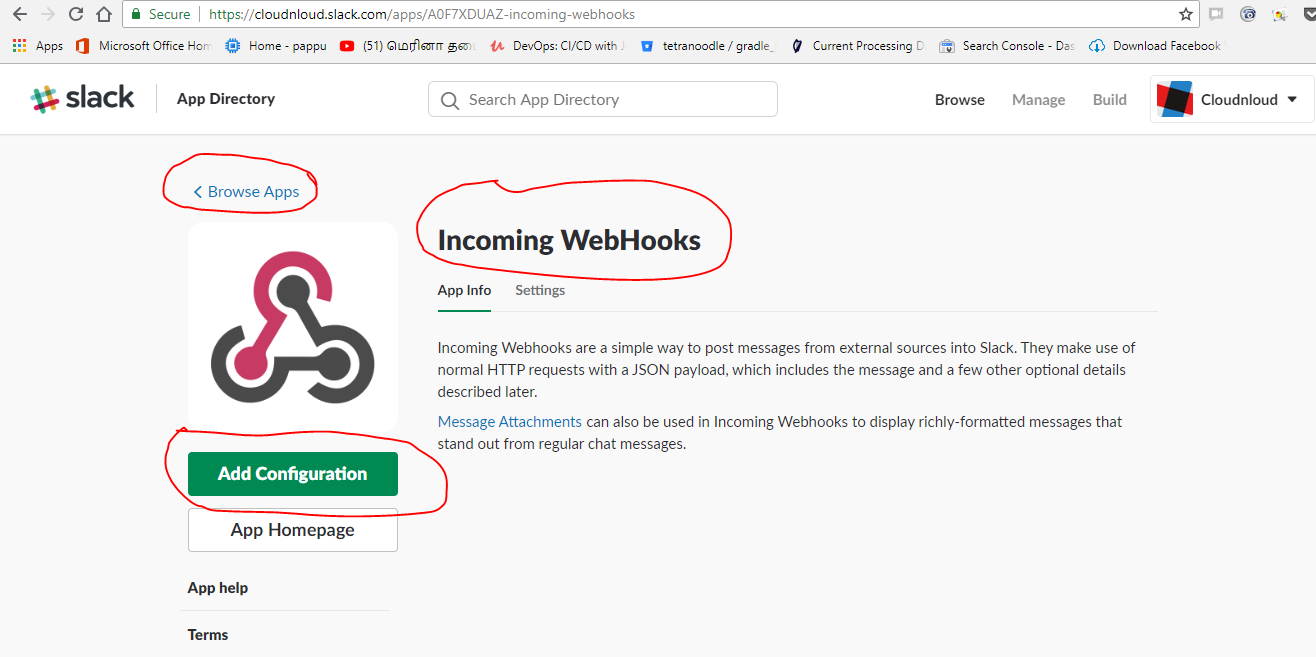
**Install the following plugin in jenkins**



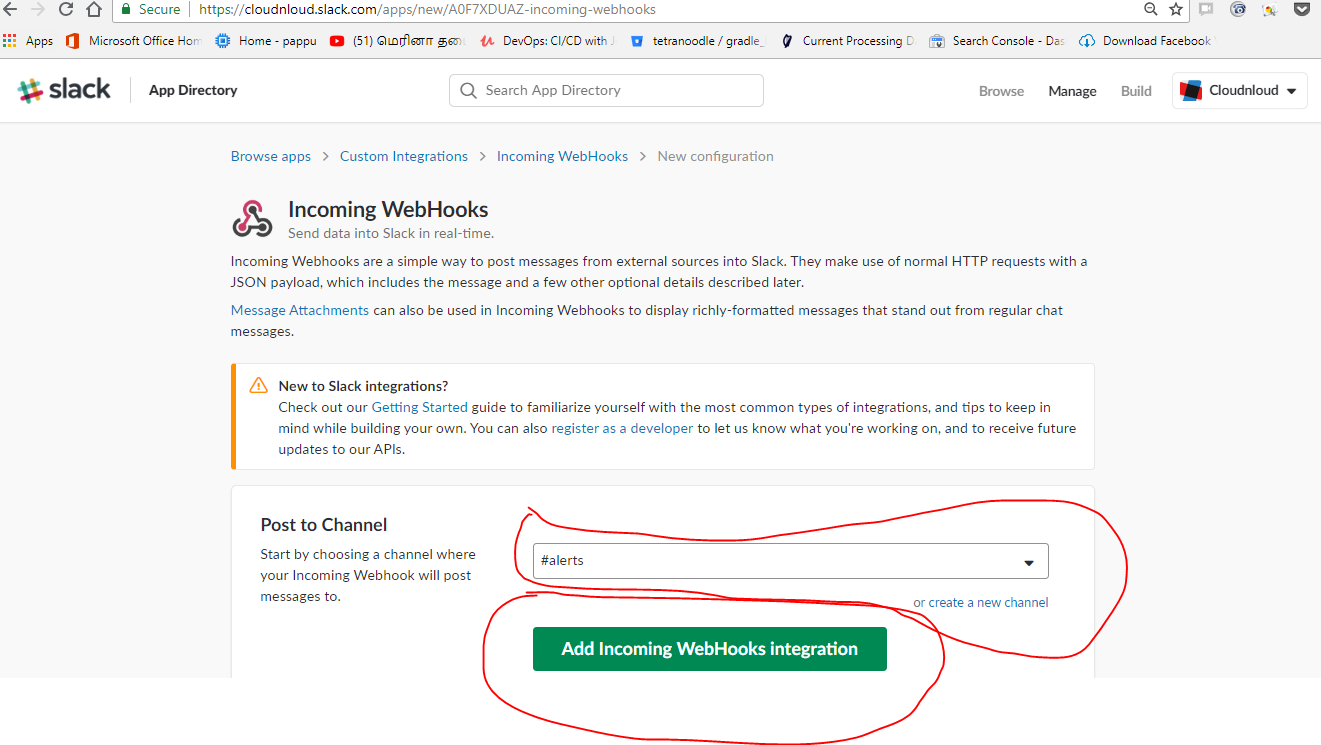


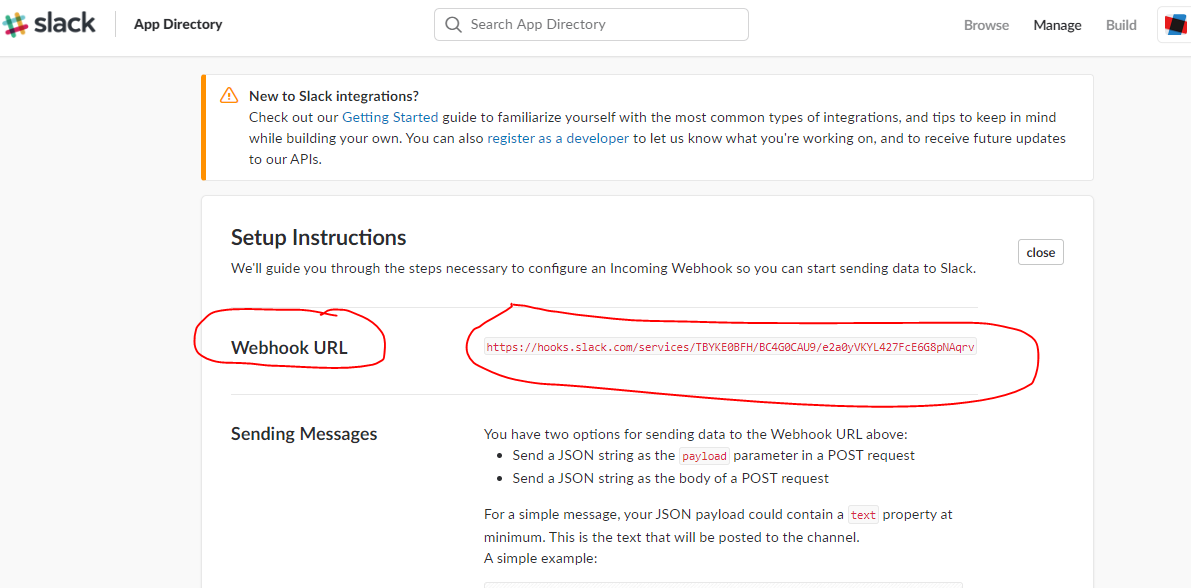
**Click add an app**

**Search incoming webhooks**



**Click add configuration**





**Now go to Jenkins and configure system**

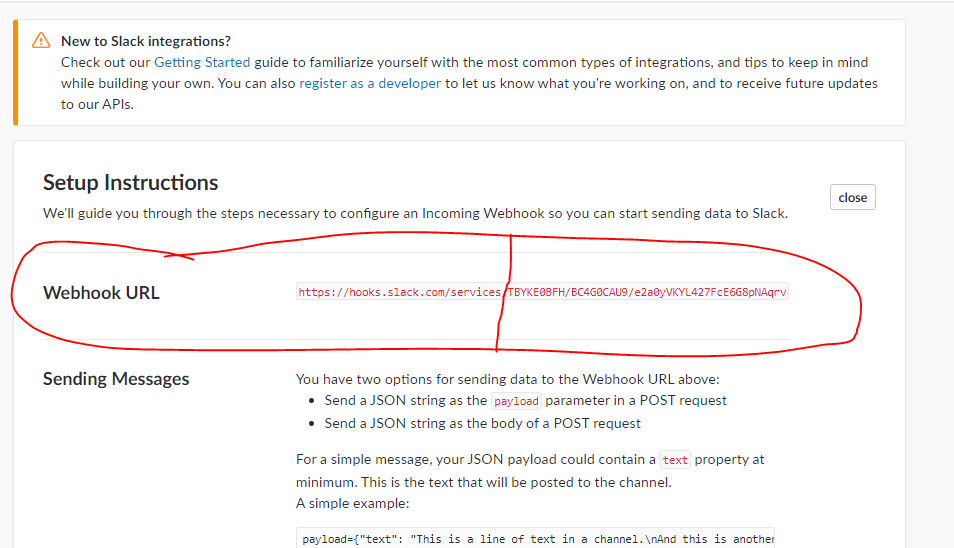
**Go to slack section**

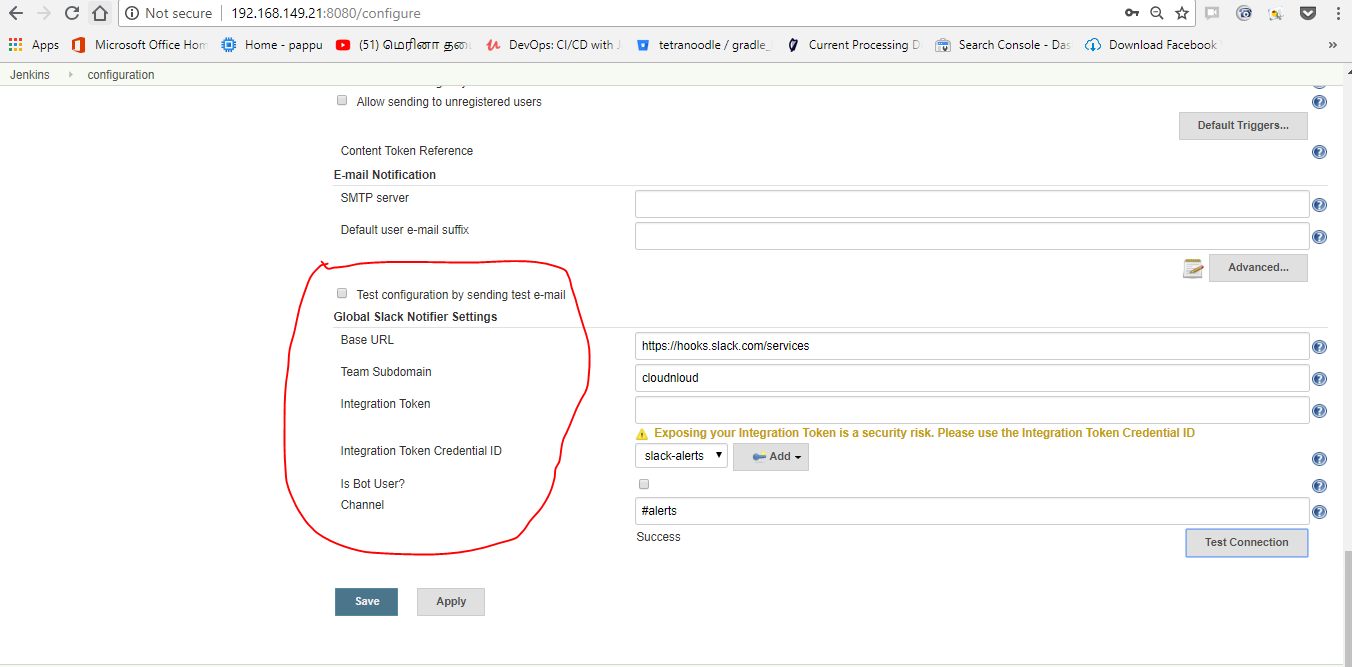


**In the above secret is taken from webhook url**

<https://hooks.slack.com/services/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>

**in this url secret is TBYKE0BFH/BC4G0CAU9/e2a0yVKYL427FcE6G8pNAqrv**





[**https://github.com/wardviaene/jenkins-course**](https://github.com/wardviaene/jenkins-course)

