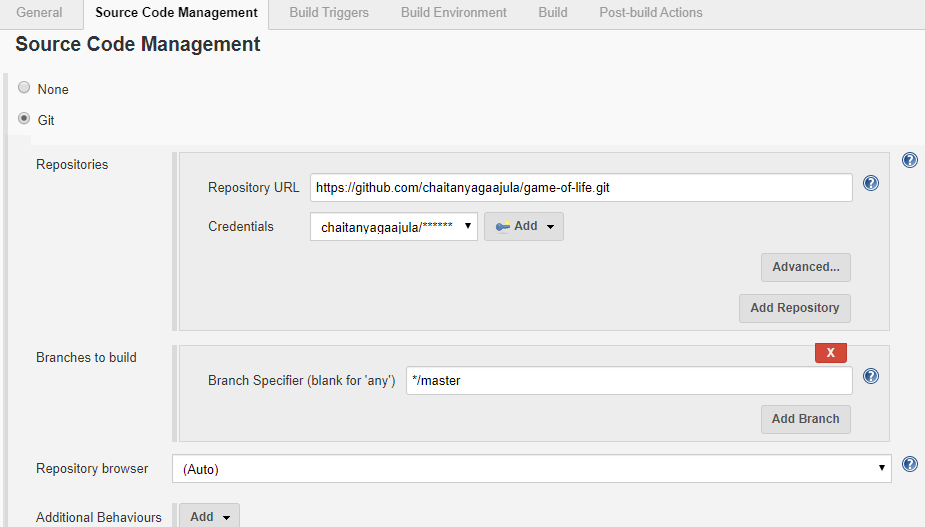
**Build Pipeline Plugin**

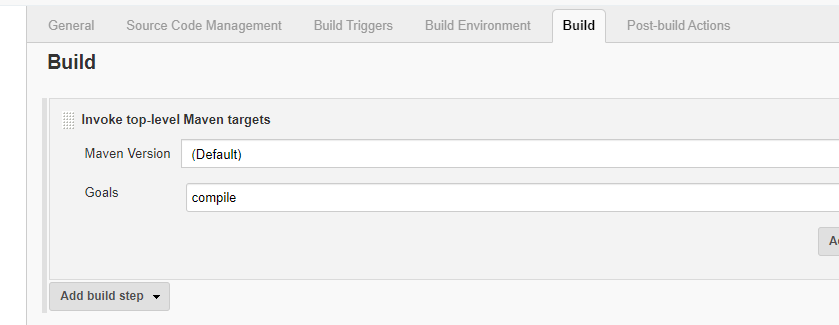
We are going to crete 3 free style projects and connect them with the help of Build Pipeline Plugin.

**Install Plugins** : Deploy to container plugins and Build Pipeline (Install Without Restart)

1. Create a free style project named Gof\_Build .In SCM define below



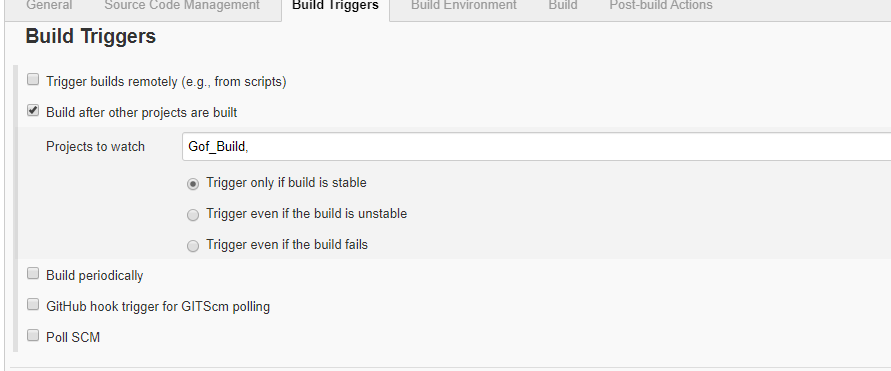
2 .In the build step define goals as compile as below



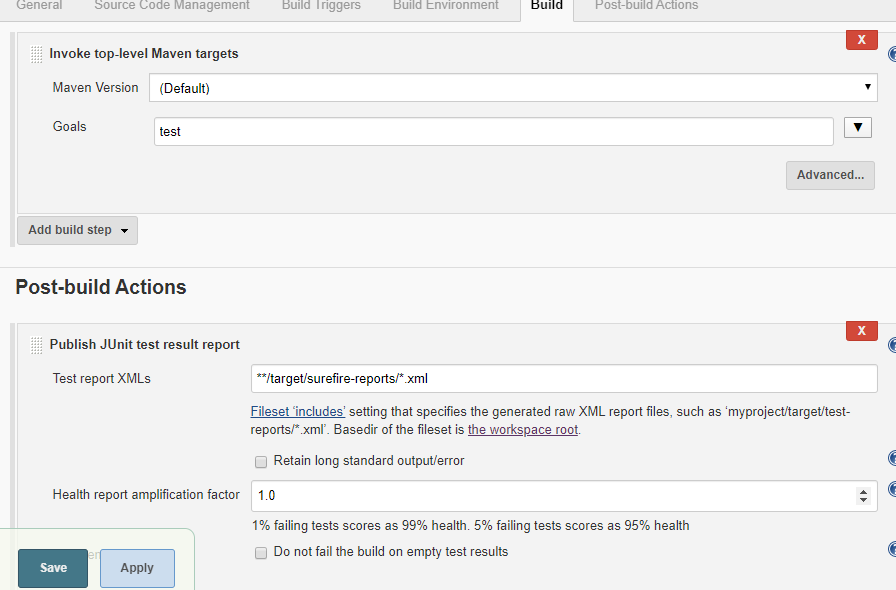
Save it.

1. .Define a second free style project Gof\_test and include the same SCM github url.

In the Build Triggers tab , include Gof\_Build to be executed before the Gof\_test as shown below



4. In the Build step include the Goals as test.And in the Post Build actions include the path for the test reports.



5. Save the Job and Execute first job (Gof\_build)

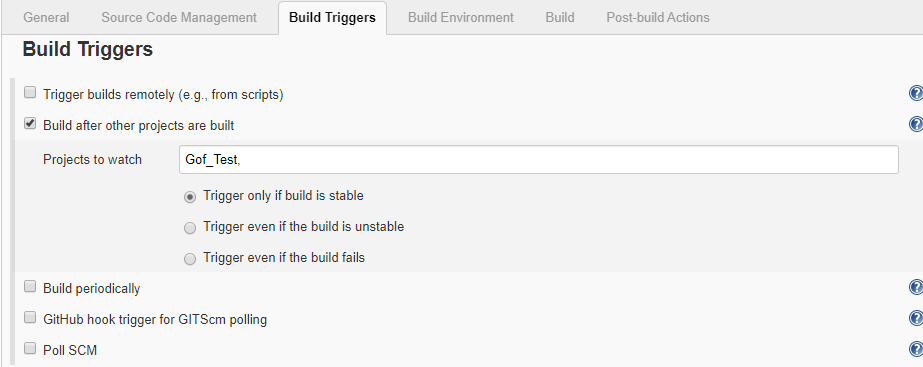
We can see the test results as below after the Job is executed.



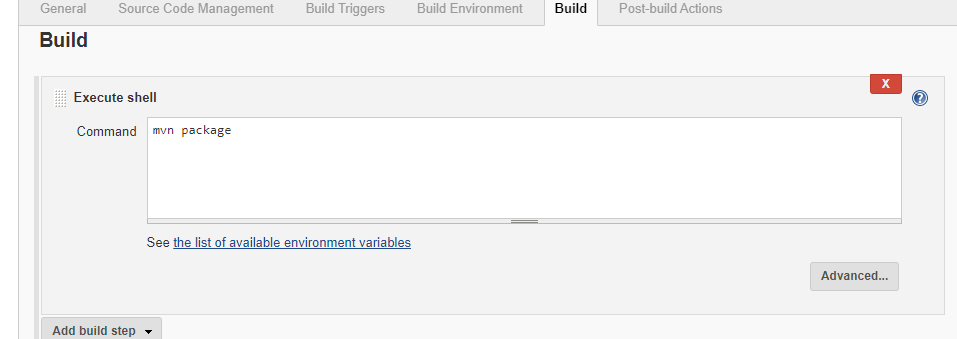
1. Define the third job Gof\_Deploy

Provide the SCM Git Hub URL same as of the others.

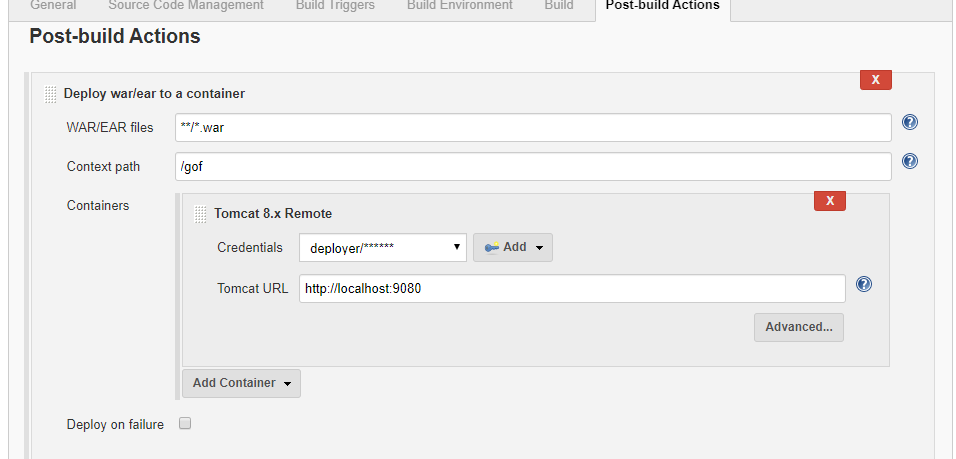
In the Build triggers tab, define to execute Gof\_test to be executed before the Gof\_Deploy as below:



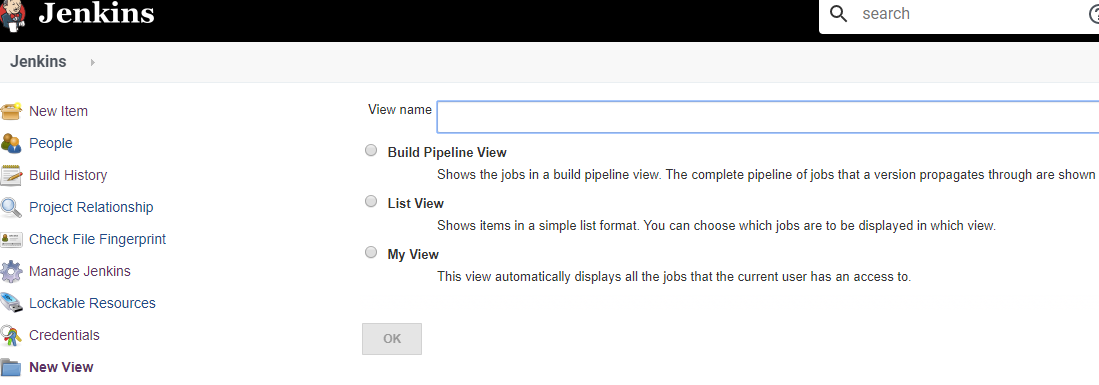
1. In the Build tab select Execute Shell and give the below command to package the code as a war file as below:

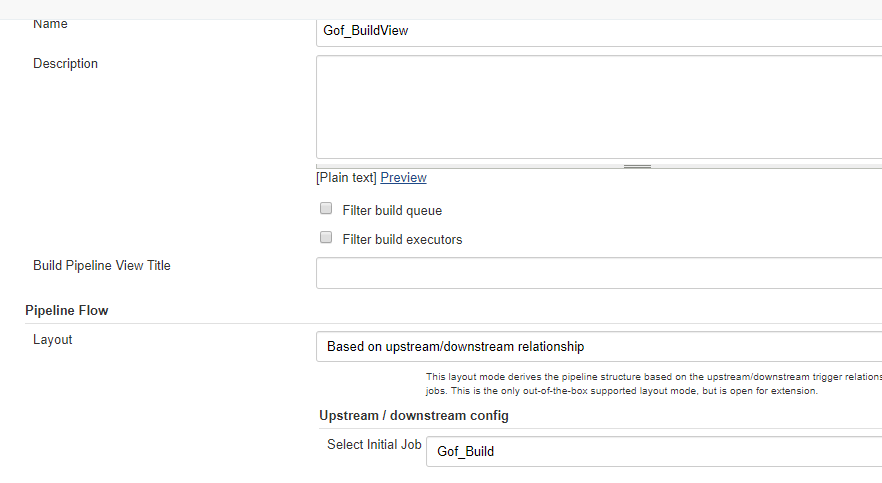


8.In the Post-build Actions, deploy the packaged war file to Tomcat container as below - Publish JUnit test result report and save the job.



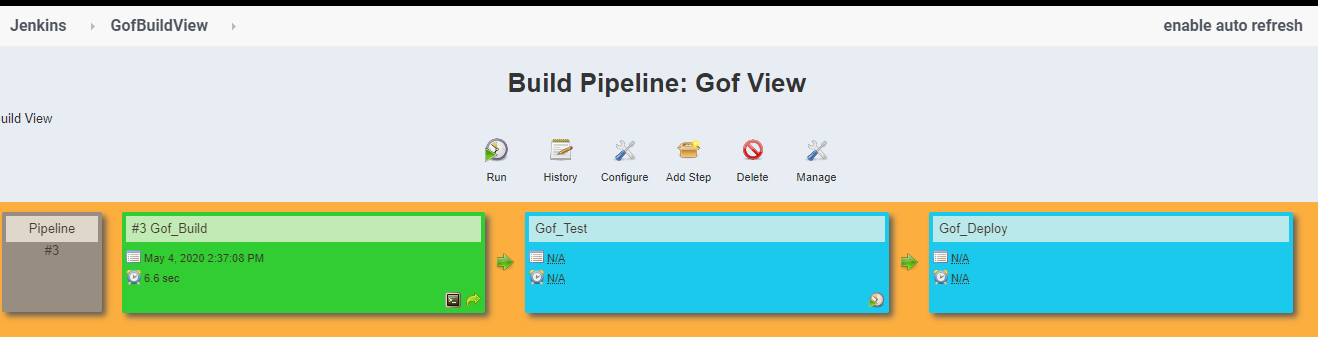
9. Select the Build Pipeline View and give the details as below.





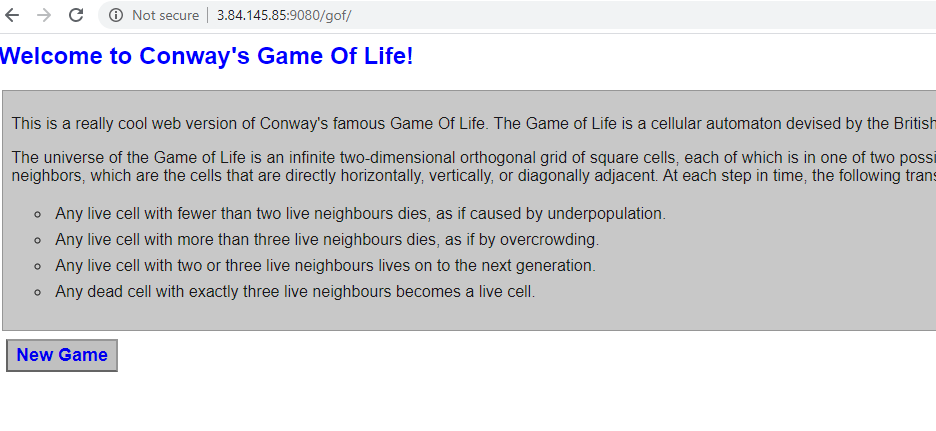
Click Apply , ok

Click on GofBuildView, you will see the output as below



Now, Click on Run, the jobs gets executed, one after the another.

Once the war file is deployed successfully to tomcat. You should be accessing the below URL

Appendix:

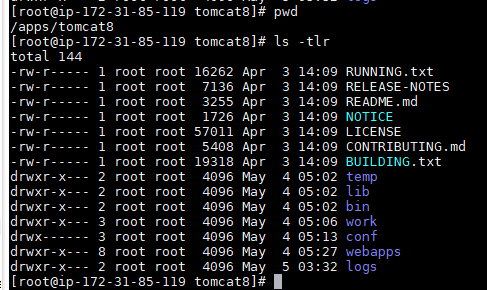
**Tomcat Setup:**

Download the tomcat zip file apache-tomcat-8.5.54.tar.gz

Extract it using the blow command

Tar –zxvf apache-tomcat-8.5.54.tar.gz

You will get a folder apache-tomcat-8.5.54, rename it to tomcat8 , you will see as below:



Now edit the server.xml file , replace 8080 port with 9080 as below.

[root@ip-172-31-85-119 tomcat8]# cat /apps/tomcat8/conf/server.xml | grep 9080

<Connector port="9080" protocol="HTTP/1.1"

And add below lines above the tag </tomcat-user> in the file /apps/tomcat8/conf/tomcat-users.xml.

**<role rolename="manager-gui"/>**

**<role rolename="admin"/>**

**<user username="deployer" password="deployer" roles="manager-gui,manager-script,admin"/>**

</tomcat-users> //Add above lines above this tag

Start the tomcat using the below command.

/apps/tomcat8/bin/startup.sh