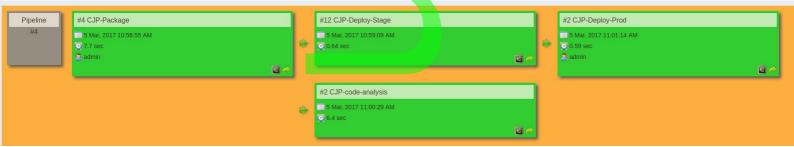
Complete Jenkins Project

This project is a complete build pipeline which will build java SC, create war package, run static code analysis, deploy package to staging tomcat server & deploy to prod tomcat server.

Pipeline consist of below mentioned jenkins job working together to create entire continous delivery pipeline.

- 1. **Package job** This job will checkout source code from git repository, use Maven to build the code, archive the artifacts, trigger Static code analysis job & staging deploy job
- 2. **Static code analysis** This job will checkout source code from git repository, use Maven to run checktyle code analysis and publish graph for STA.
- 3. **Deploy to staging Tomcat server** This job will copy the war artifact from package job to deploy job, Deploy the artifacts to Staging tomcat server & trigger Prod deploy job.
- 4. **Deploy to Prod Tomcat Server** This job will copy the war artifact from package job to deploy job, Deploy the artifacts to Staging tomcat server & trigger Prod deploy job.



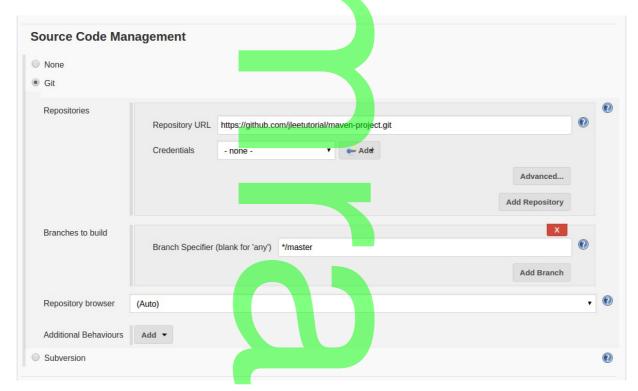
Prerequisites:

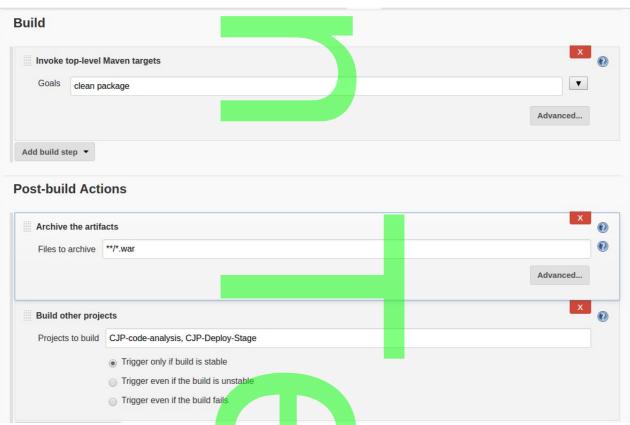
- 1. Jenkins server: Jenkins server should have openjdk 1.7, Git, Maven (Follow jenkins setup doc)
 Plugins:- git, maven, copy artifacts, deploy to container, checkstyle, build
 pipeline
- 2. Staging tomcat server:- Create a vm or ec2 instance with ubuntu OS & Follow tomcat setup doc.
- 3. Prod tomcat server:- Create a vm or ec2 instance with ubuntu OS & Follow tomcat setup doc.

Create jenkins jobs:

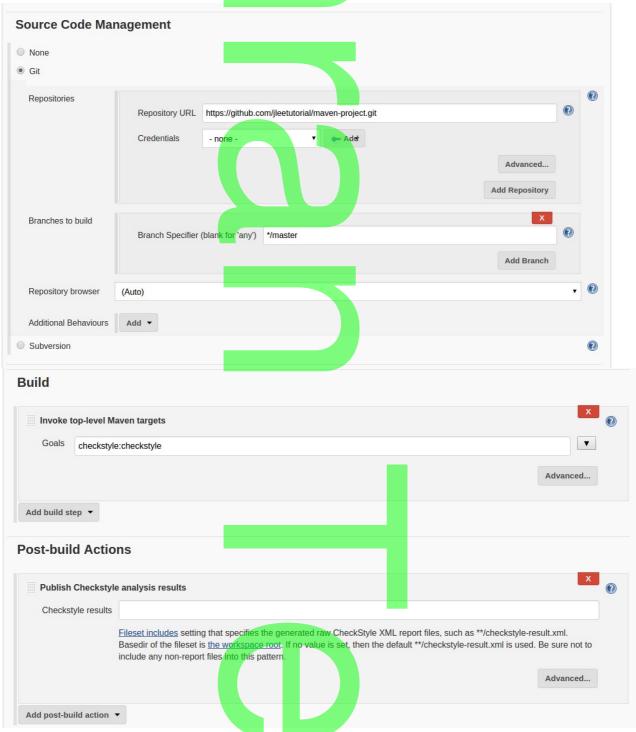
1. CJP-package:- Create a new job with CJP-package name, freestyle project.

Refer below mentioned screenshots to setup the job

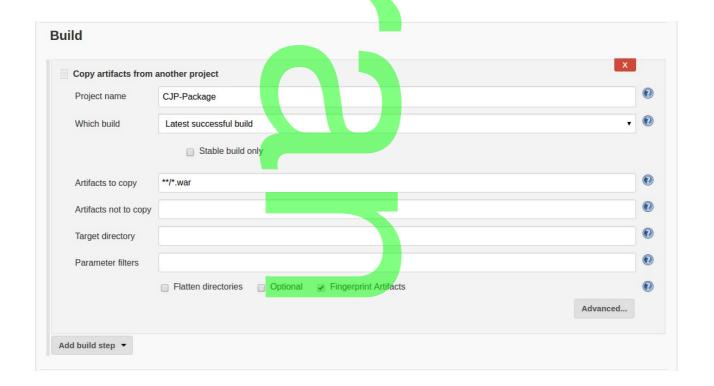


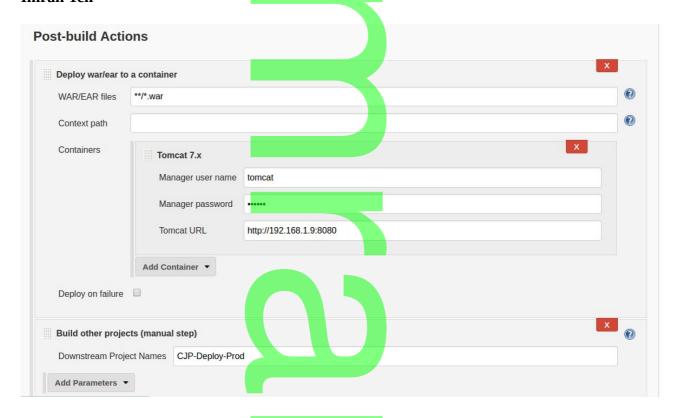


2. CJP-code-analysis:- Create a new job with CJP-code-analysis name, freestyle project. Refer below mentioned screenshots to setup the job



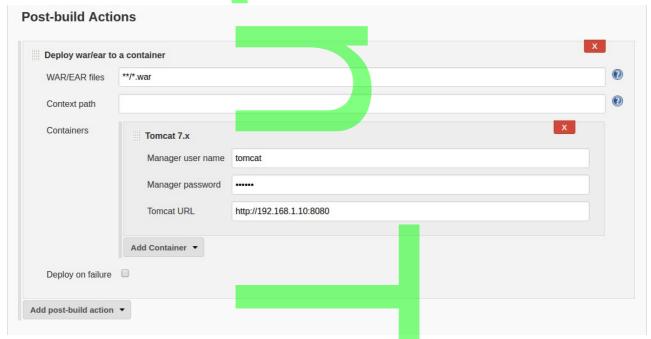
3. CJP-Deploy-Stage:- Create a new job with CJP-Deploy-Stage name, freestyle project. Refer below mentioned screenshots to setup the job





4. CJP-Deploy-Prod:- Create a new job with CJP-Deploy-Prod name, freestyle project. Refer below mentioned screenshots to setup the job





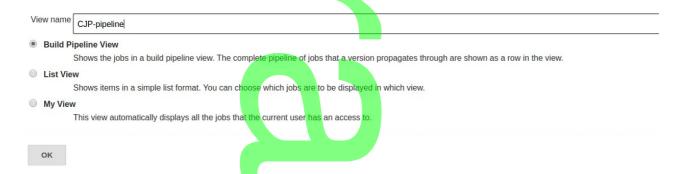
Setup build pipeline view

Go to jenkins main dashboard

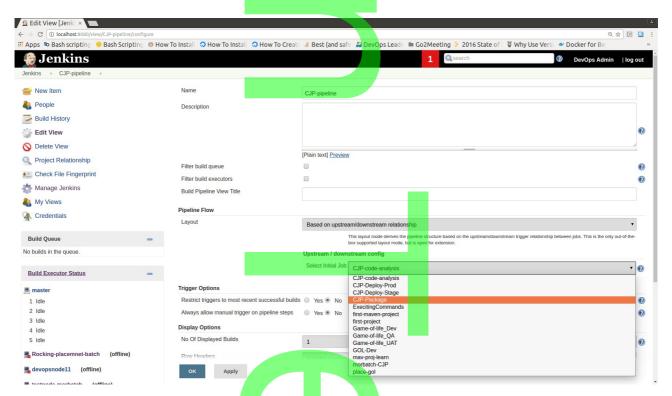
Click on the plus symbol

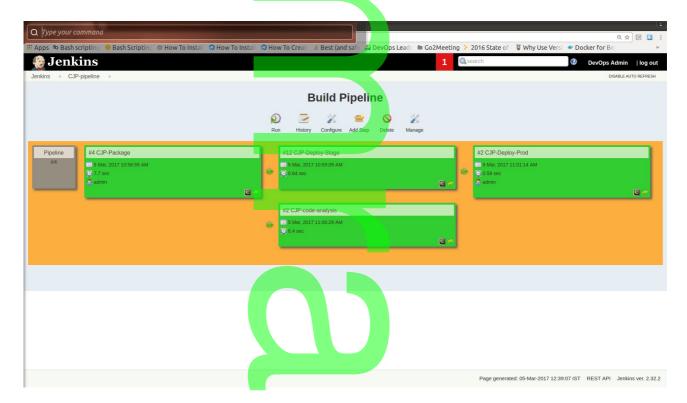


Select Build Pipeline View, give pipeline view a name and click OK



Select initial Job – CJP-Package & click OK





Click run and verify if the entire pipeline works.