## Module 4:Continuous Integration Using Jenkins

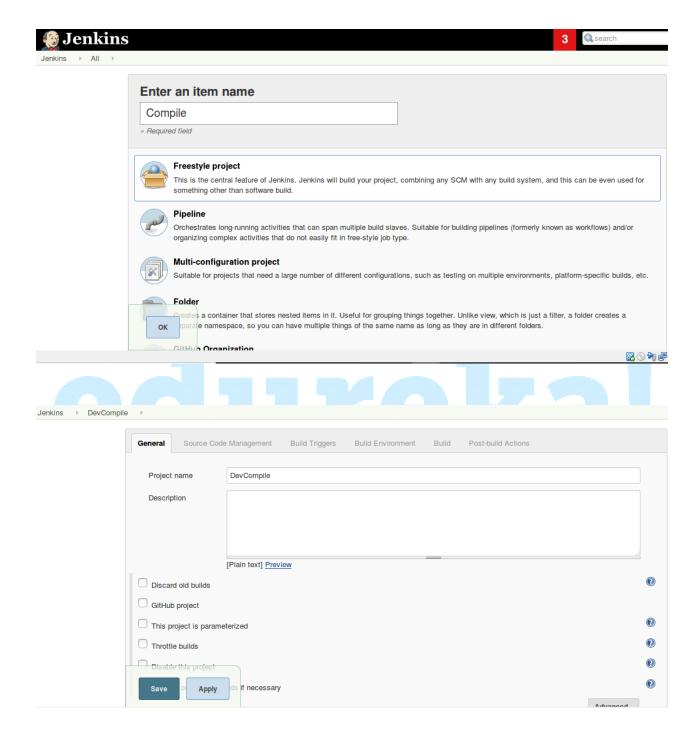
Demo Document - 1

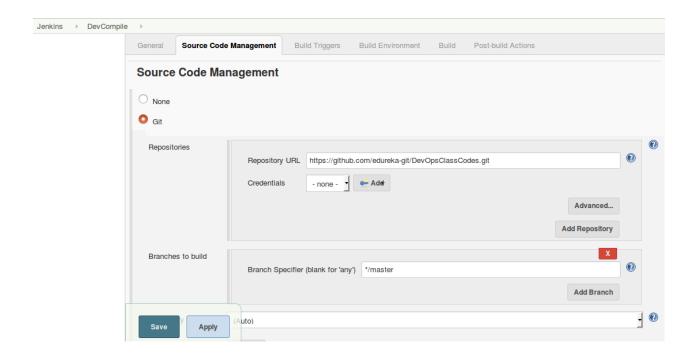
# edureka!

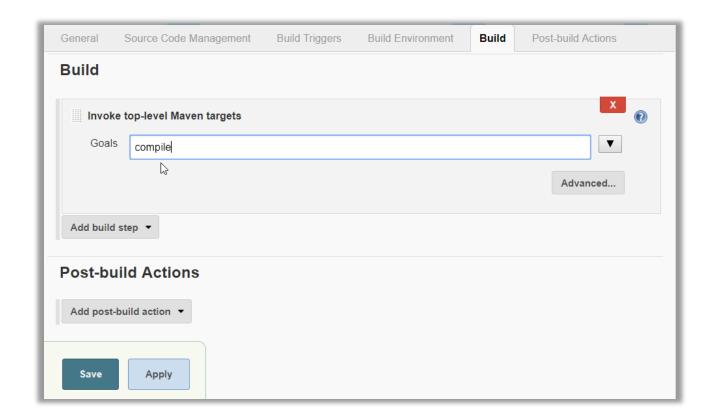


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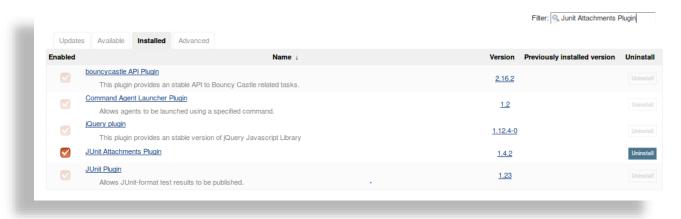
#### Demo - 1: Create Pipeline view using DevCompile and QAUnitTest



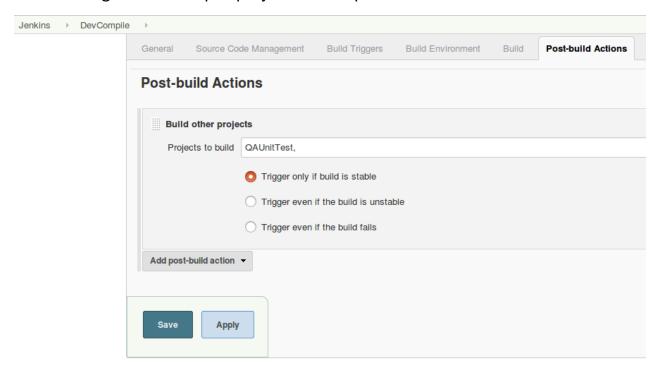


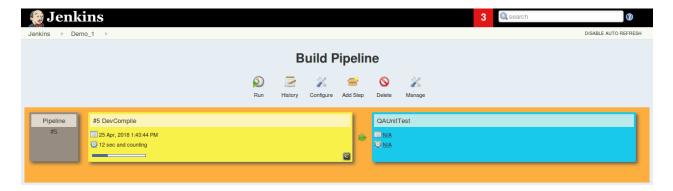


 Create QAunitTest project and provide the same SCM path and execute it after DevCompile Action by setting build.



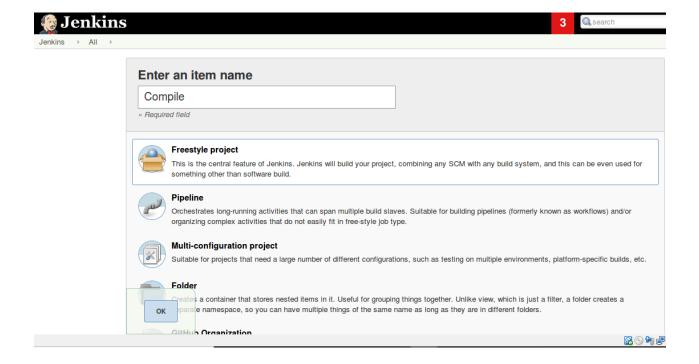
Configure DevCompile project and set post build action as QAUnitTest



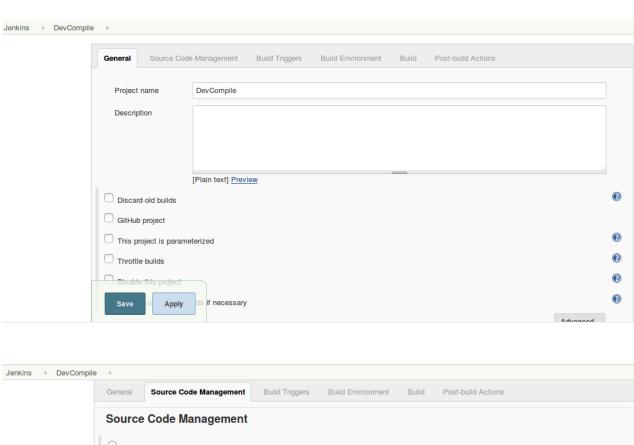


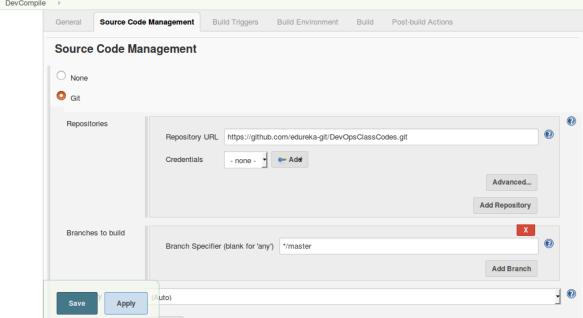


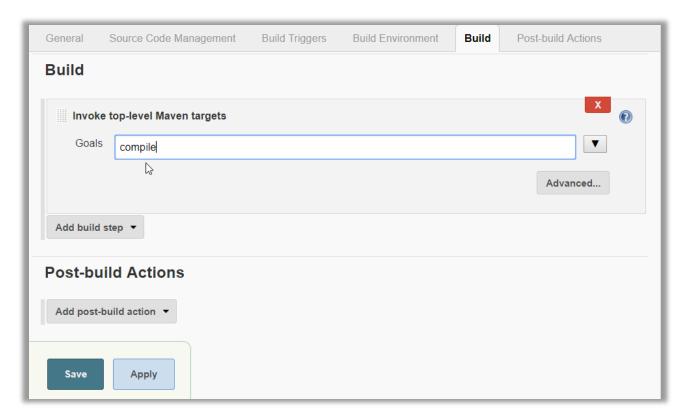
#### Demo – 2 : Create The Whole Delivery Pipeline View



Module 4: Continuous Integration Using Jenkins





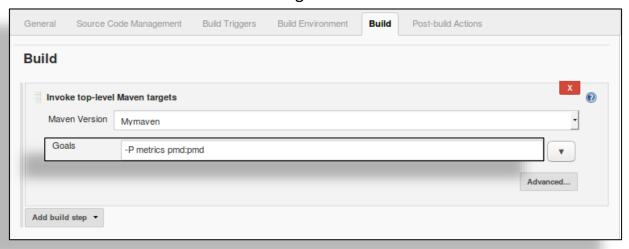


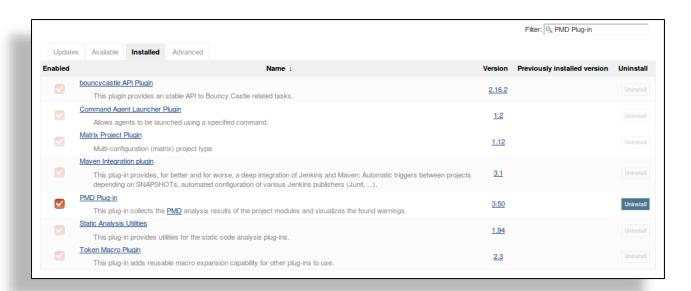
edureka!



```
[INFO] Building Vaadin Addressbook example 2.0
[INFO] ------
[INFO]
[INFO] --- maven-enforcer-plugin:1.0:enforce (enforce-versions) @ addressbook ---
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ addressbook ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory /var/lib/jenkins/workspace/DevCompile/src/main/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.2:compile (default-compile) @ addressbook ---
[INFO] Nothing to compile - all classes are up to date
[INFO] ------
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 6.520 s
[INFO] Finished at: 2018-02-01T03:59:58+05:30
[INFO] Final Memory: 10M/60M
[INFO] ------
Triggering a new build of <a href="DeveCodeReview">DeveCodeReview</a>
Triggering a new build of <a href="DeveCodeReview">DeveCodeReview</a>
Finished: SUCCESS
```

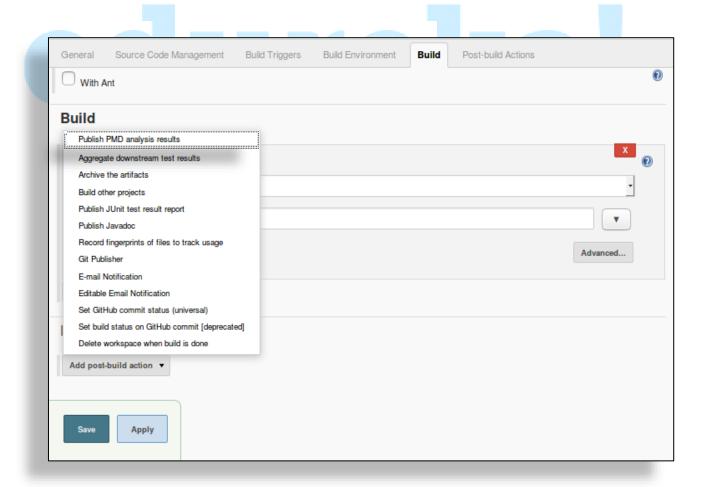
Provide the same Source Code Management Path DevCodereview





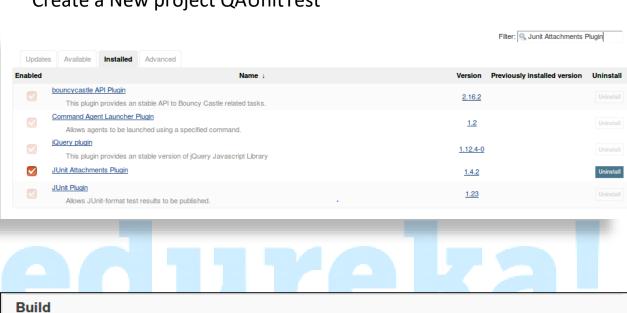


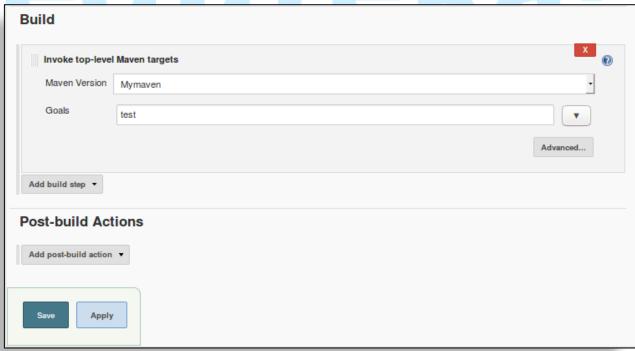
```
Progress (1): 290/358 kB
Progress (1): 294/358 kB
Progress (1): 298/358 kB
Progress (1): 302/358 kB
Progress (1): 307/358 kB
Progress (1): 311/358 kB
Progress (1): 315/358 kB
Progress (1): 319/358 kB
Progress (1): 323/358 kB
Progress (1): 327/358 kB
Progress (1): 331/358 kB
Progress (1): 335/358 kB
Progress (1): 339/358 kB
Progress (1): 343/358 kB
Progress (1): 348/358 kB
Progress (1): 352/358 kB
Progress (1): 356/358 kB
Progress (1): 358 kB
Downloaded: \ \underline{https://repo.maven.apache.org/maven2/log4j/log4j/1.2.12/log4j-1.2.12.jar} \ (358 \ kB \ at \ 115 \ kB/s)
[INFO] No sources to compile
[INFO] ------
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 05:59 min
[INFO] Finished at: 2018-01-31T21:25:09+05:30
[INFO] Final Memory: 13M/60M
[INFO] -----
Finished: SUCCESS
```





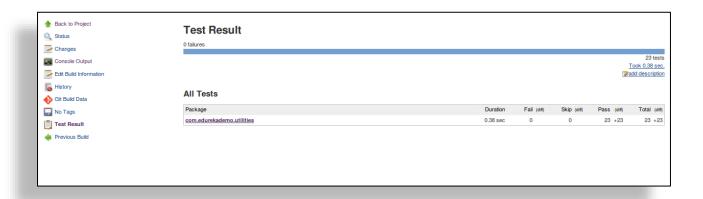
### Create a New project QAUnitTest





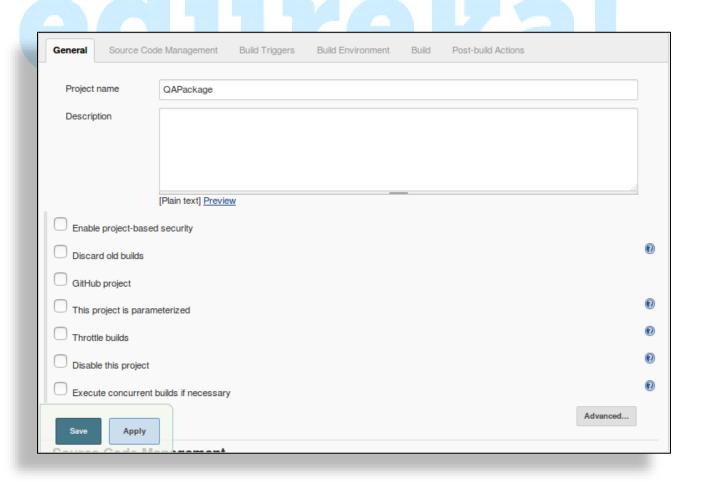
```
Console Output
Started by upstream project "QAMetricCheck" build number <u>14</u>
originally caused by:
Started by user <u>admin</u>
Started by upstream project "<u>QAMetricCheck</u>" build number <u>14</u>
originally caused by:
Started by user admin
Building in workspace /var/lib/jenkins/workspace/QAPackage
> git rev-parse --is-inside-work-tree # timeout=10
Fetching changes from the remote Git repository
Fetching upstream changes from <a href="https://github.com/pkannojoo/https-github.com-edureka-git-DevOpsClassCodes.git">https://github.com/pkannojoo/https-github.com-edureka-git-DevOpsClassCodes.git</a>
> git --version # timeout=10
> git fetch --tags --progress https://qithub.com/pkannojoo/https-qithub.com-edureka-qit-DevOpsClassCodes.qit +refs/heads/*:refs/remotes
/origin/*
> git rev-parse refs/remotes/origin/master^{commit} # timeout=10
> git rev-parse refs/remotes/origin/origin/master^{commit} # timeout=10
Checking out Revision c986b9eb275ae50c5a7b9b1d757be5c58e38c0da (refs/remotes/origin/master)
> git config core.sparsecheckout # timeout=10
> git checkout -f c986b9eb275ae50c5a7b9b1d757be5c58e38c0da
Commit message: "initial commit'
 > git rev-list --no-walk c986b9eb275ae50c5a7b9b1d757be5c58e38c0da # timeout=10
[QAPackage] $ /var/lib/jenkins/tools/hudson.tasks.Maven_MavenInstallation/Mymaven/bin/mvn package
[INFO] Scanning for projects...
[WARNING]
.
WARNING] Some problems were encountered while building the effective model for com.edurekademo.tutorial:addressbook:war:2.0
[WARNING] Reporting configuration should be done in <reporting> section, not in maven-site-plugin <configuration> as reportPlugins
```

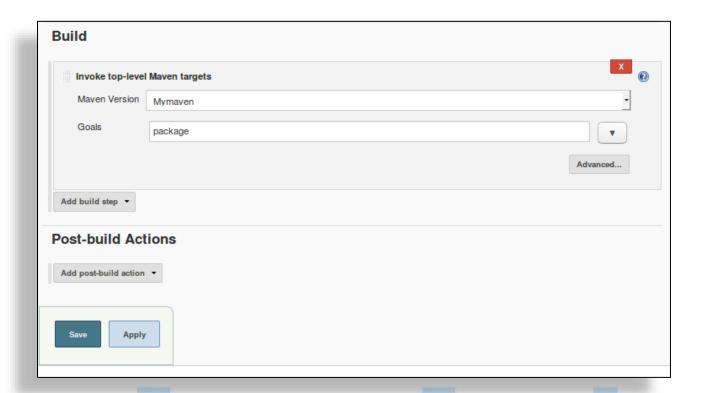
```
Results :
Tests run: 23, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO] --- maven-war-plugin:2.2:war (default-war) @ addressbook ---
[INFO] Packaging webapp
[INFO] Assembling webapp [addressbook] in [/var/lib/jenkins/workspace/QAPackage/target/addressbook]
[INFO] Processing war project
[INFO] Webapp assembled in [806 msecs]
[INFO] Building war: /var/lib/jenkins/workspace/QAPackage/target/addressbook.war
[INFO] ------
[INFO] BUILD SUCCESS
[INFO] ------
[INFO] Total time: 21.879 s
[INFO] Finished at: 2018-02-01T05:15:54+05:30
[INFO] Final Memory: 13M/60M
[INFO] -----
Finished: SUCCESS
```







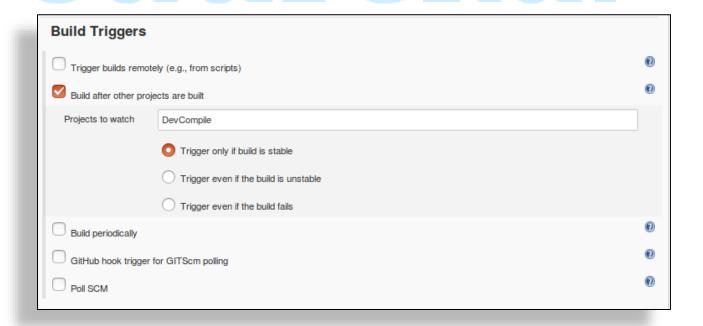


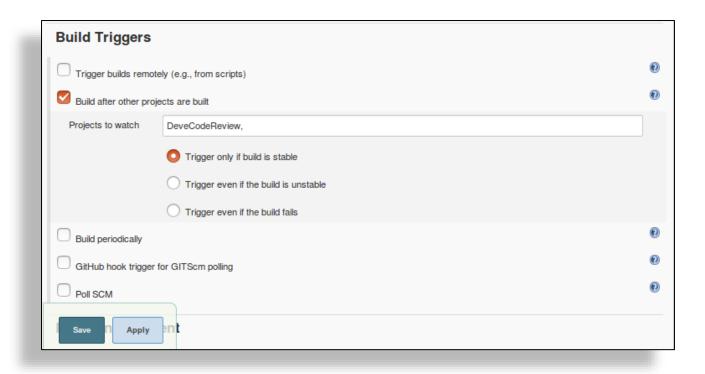


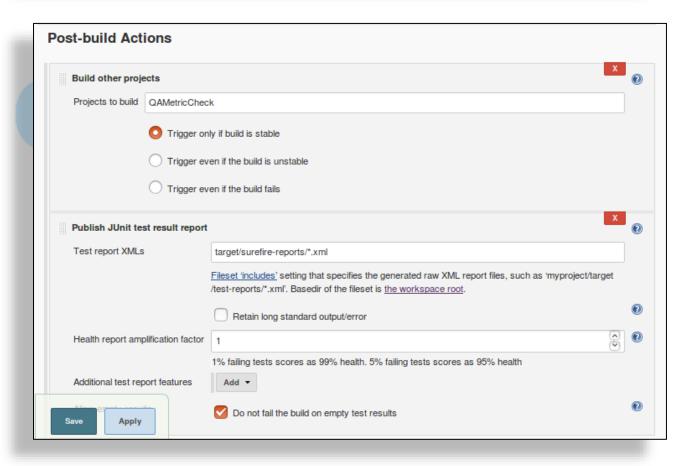
#### Console Output Started by upstream project "QAMetricCheck" build number 14 originally caused by: Started by user <u>admin</u> Started by upstream project " $\underbrace{\text{QAMetricCheck}}_{\text{constant}}$ " build number $\underline{14}$ originally caused by: Started by user $\underline{\text{admin}}$ Building in workspace /var/lib/jenkins/workspace/QAPackage > git rev-parse --is-inside-work-tree # timeout=10 Fetching changes from the remote Git repository > git config remote.origin.url <a href="https://github.com/pkannojoo/https-github.com-edureka-git-DevOpsClassCodes.git">https://github.com/pkannojoo/https-github.com-edureka-git-DevOpsClassCodes.git</a> # timeout=10 Fetching upstream changes from <a href="https://github.com/pkannojoo/https-qithub.com-edureka-qit-DevOpsClassCodes.qit">https://github.com/pkannojoo/https-qithub.com-edureka-qit-DevOpsClassCodes.qit</a> > git --version # timeout=10 > git fetch --tags --progress https://qithub.com/pkannojoo/https-qithub.com-edureka-qit-DevOpsClassCodes.git +refs/heads/\*:refs/remotes /origin/\* > git rev-parse refs/remotes/origin/master^{commit} # timeout=10 > git rev-parse refs/remotes/origin/origin/master^{commit} # timeout=10 Checking out Revision c986b9eb275ae50c5a7b9b1d757be5c58e38c0da (refs/remotes/origin/master) > git config core.sparsecheckout # timeout=10 > git checkout -f c986b9eb275ae50c5a7b9b1d757be5c58e38c0da Commit message: "initial commit" > git rev-list --no-walk c986b9eb275ae50c5a7b9b1d757be5c58e38c0da # timeout=10 [QAPackage] \$ /var/lib/jenkins/tools/hudson.tasks.Maven\_MavenInstallation/Mymaven/bin/mvn package [INFO] Scanning for projects... [WARNING] . [WARNING] Some problems were encountered while building the effective model for com.edurekademo.tutorial:addressbook:war:2.0 [WARNING] Reporting configuration should be done in <reporting> section, not in maven-site-plugin <configuration> as reportPlugins @ line 298, column 40

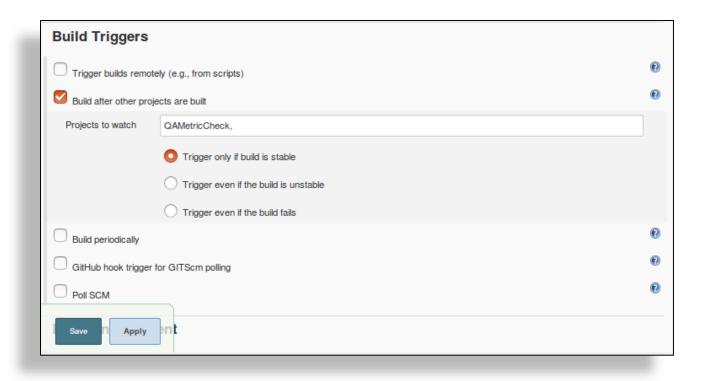
```
Results :
Tests run: 23, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO] --- maven-war-plugin:2.2:war (default-war) @ addressbook ---
[INFO] Packaging webapp
[INFO] Assembling webapp [addressbook] in [/var/lib/jenkins/workspace/QAPackage/target/addressbook]
[INFO] Processing war project
[INFO] Webapp assembled in [806 msecs]
[INFO] Building war: /var/lib/jenkins/workspace/QAPackage/target/addressbook.war
[INFO] ------[INFO]
[INFO] BUILD SUCCESS
[INFO] ------
[INFO] Total time: 21.879 s
[INFO] Finished at: 2018-02-01T05:15:54+05:30
[INFO] Final Memory: 13M/60M
[INFO] -----
Finished: SUCCESS
```

shubham@shubham-VirtualBox:/var/lib/jenkins/workspace/QAPackage/target\$ ls
addressbook classes generated-test-sources maven-status test-classes
addressbook.war generated-sources maven-archiver surefire-reports
shubham@shubham-VirtualBox:/var/lib/jenkins/workspace/QAPackage/target\$

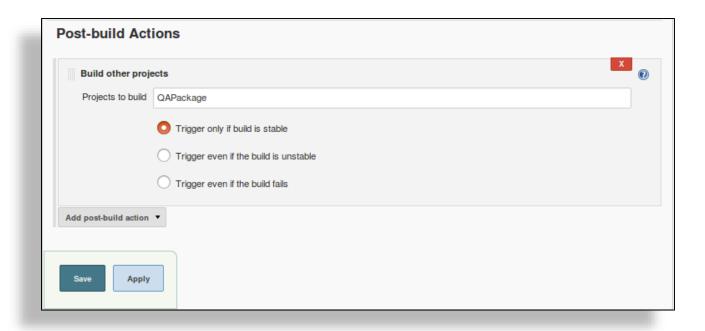




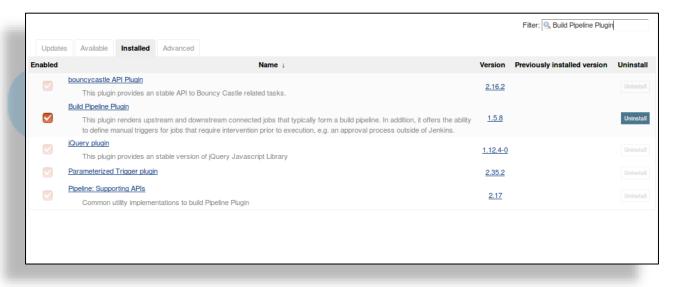








#### Install Build Pipeline Plugin



#### Create a Pipeline View

