Architect Academy Talent Transformation

DEVOPS PROFESSIONAL CERTIFICATION PROGRAM

Lab-6: Continuous Integration — SCM + Code Review

- > Create Maven Project
- > Configure SonarQube Scanner



• Use maven project (Demo1) created (quickstart type) in previous Lab

```
osgdev@DevOpsOS-TR:~/ap/GettingStarted/mavenProcess$ tree

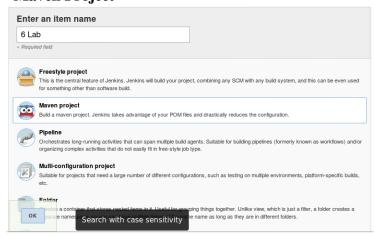
Demo1
    pom.xml
    src
    main
         devops
         App.java
    test
    java
    devops
    AppTest.java

10 directories, 3 files
```

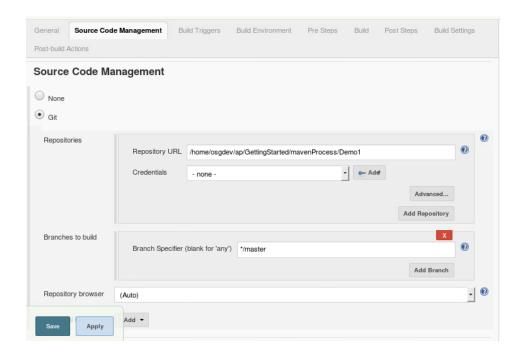
Project working directory initialize with git repository and commit.

```
@DevOpsOS-TR: ~/ap/GettingStarted/mavenProcess/Demo1
osgdev@DevOpsOS-TR:~/ap/GettingStarted/mavenProcess/Demo1$ ls
osgdev@DevOpsOS-TR:~/ap/GettingStarted/mavenProcess/Demo1$ git init
Initialized empty Git repository in /home/osgdev/ap/GettingStarted/mavenProcess/Demol/.git/
osgdev@DevOpsOS-TR:~/ap/GettingStarted/mavenProcess/Demo1$ git add
<mark>osgdev@DevOpsOS-TR:~/ap/GettingStarted/mavenProcess/Demol$ git commit -m "Intitial Code Base"</mark>
[master (root-commit) 9c423bd] Intitial Code Base
 Committer: osgdev <osgdev@DevOpsOS-TR.wipro.com>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
 following command and follow the instructions in your editor to edit
your configuration file:
    git config --global --edit
After doing this, you may fix the identity used for this commit with:
    git commit --amend --reset-author
 3 files changed, 69 insertions(+)
 create mode 100644 pom.xml
 create mode 100644 src/main/java/com/devops/App.java
 create mode 100644 src/test/java/com/devops/AppTest.java
osqdev@DevOpsOS-TR:~/ap/GettingStarted/mavenProcess/Demo1$
```

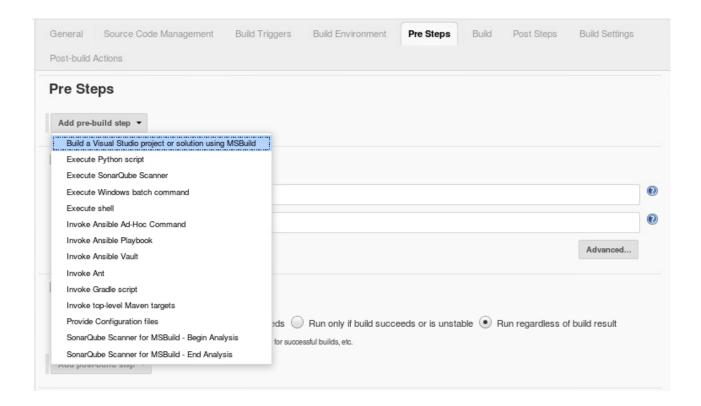
Create Jenkins Job – Maven Project

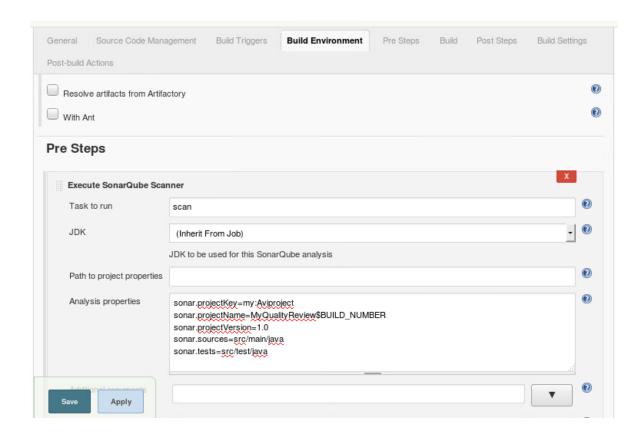


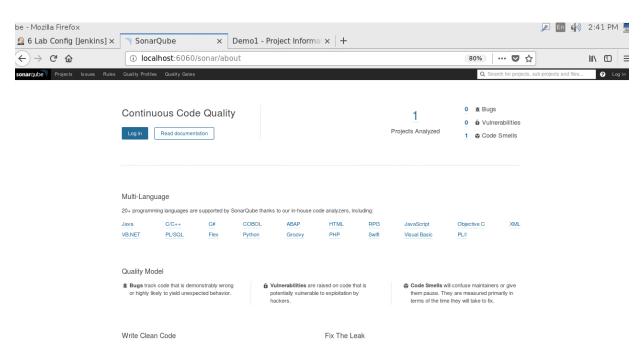
Configure SCM



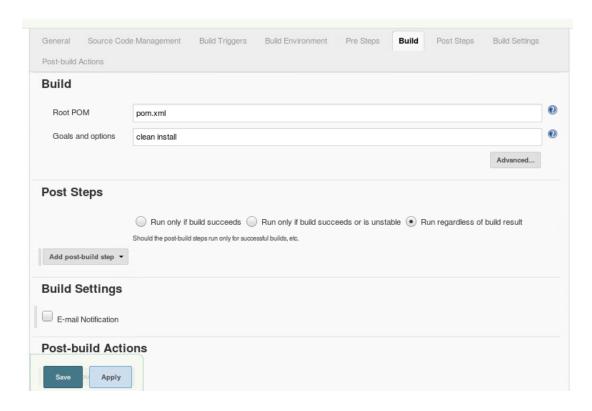
• Configure SonarQube Scanner within pre Steps section



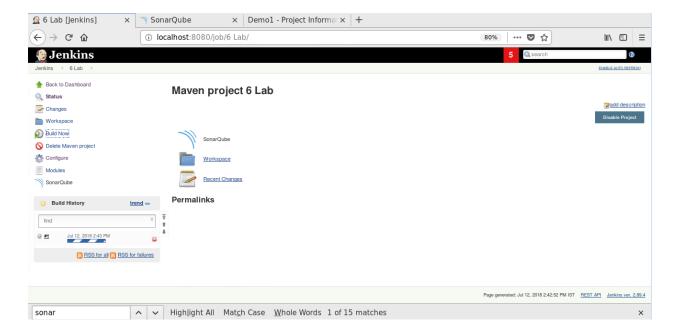




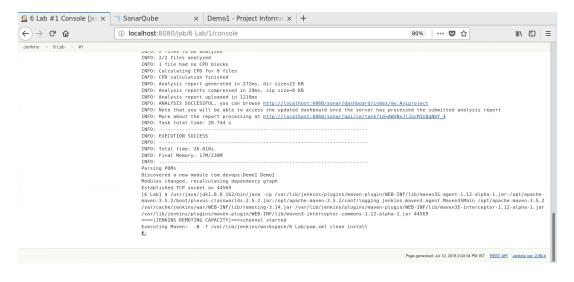
• Configure Build with maven goal (Example: install)

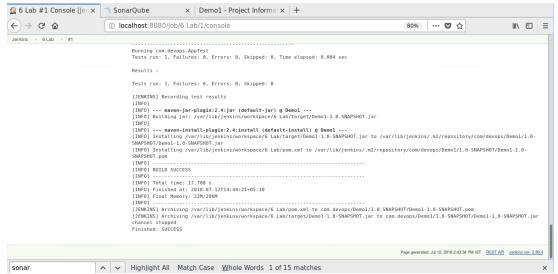


• Initiate Build process by clicking "Build Now" and observe Jenkins console responses



DevOps Certification Program





Refresh SonarQube and walkthrough project Analyzed for more details

