

# Jenkins-SonarQube Integration

## Prerequisite :

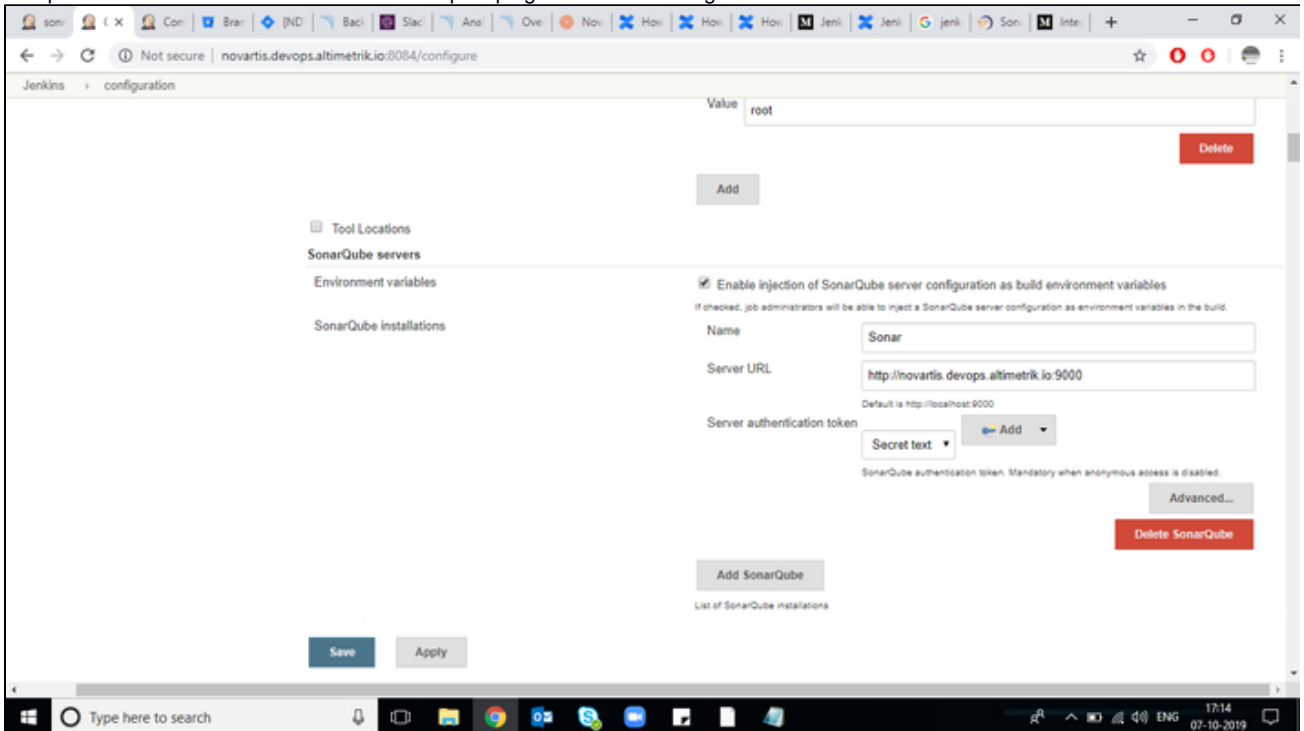
1. Jenkins is setup with Bitbucket repo.
2. SonarQube is running and you have Sonar Scanner setup in system.

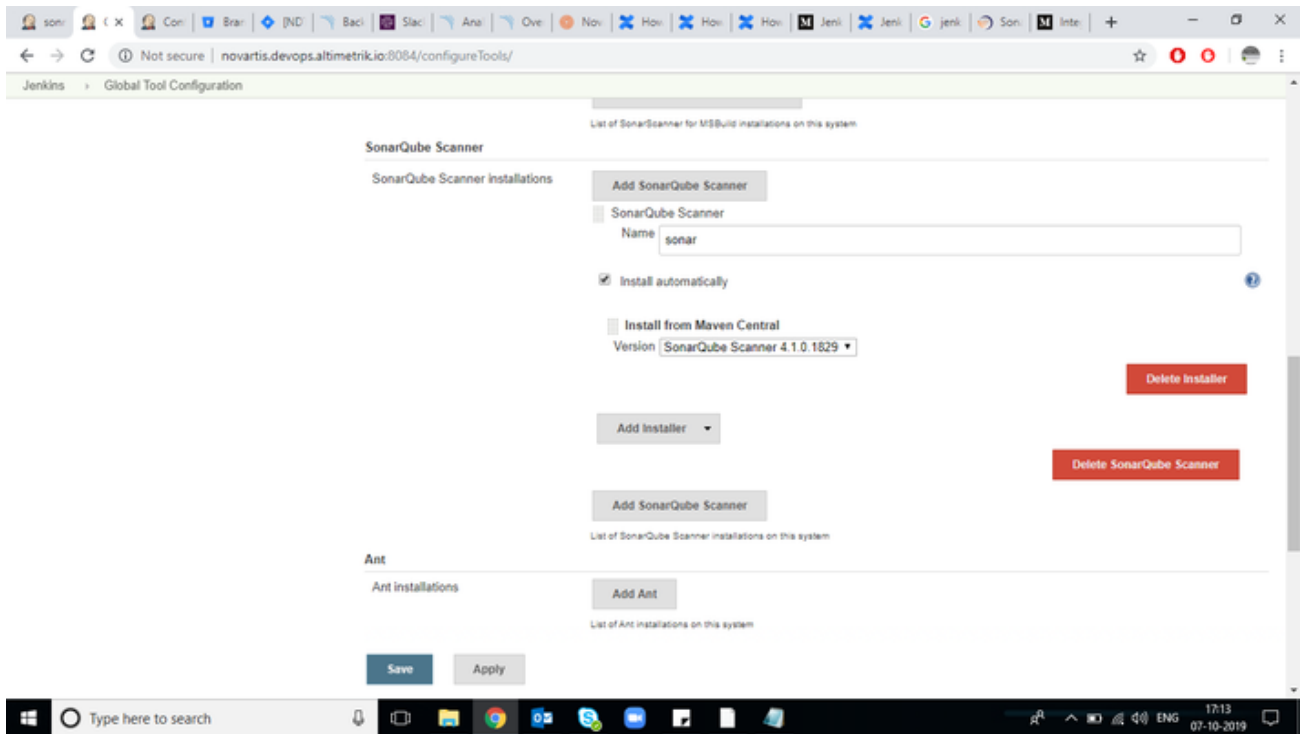
## Sonarqube configurations:-

1. go to sonarqube server and create a project.
2. go to sonarqube dashboard and create quality profiles and create quality gates, and assign the projects. reference this document <https://atlassian.com/wiki/spaces/DC/pages/209453145/How+to++Configuration+for+code+check+gates>.
3. now you can able to create the sonarqube project.

## Jenkins configurations:-

1. Setup **SonarQube** with **Jenkins**- install sonarqube plugin and made configuration as below.

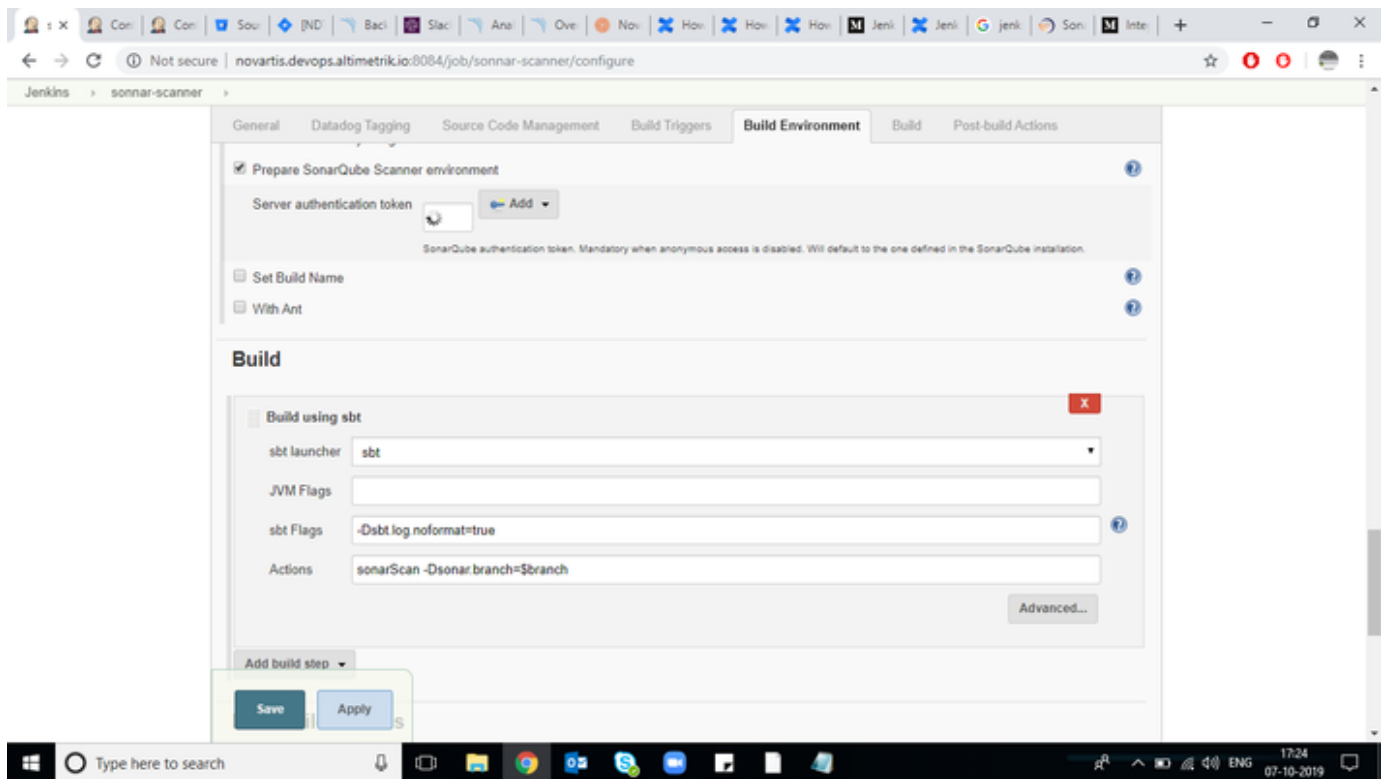




2. go to project and add build step, add the properties given below or map the property file location.

```
sonarProperties += Map(  
  "sonar.host.url" -> "http://novartis.devops.altimetrik.io:9000/",  
  "sonar.projectName" -> "sonartestproject",  
  
  "sonar.sourceEncoding" -> "UTF-8",  
  "sonar.java.source" -> "1.8",  
  "sonar.sources" -> "src/main/scala",  
  "sonar.tests" -> "src/test/scala",  
  "sonar.login" -> "xxxxx",  
  "sonar.password" -> "xxxxx"
```

3. add the following configurations for branch modelling.



4. build the job with branch parameter.

5. check the results in sonarqube with branch based, its created new branch with same project name.

sonarqube | Projects | Issues | Rules | Quality Profiles | Quality Gates | Administration

Not secure | novartis.devops.altimetrikio:9000/projects

Search for projects, sub-projects and files...

Perspective: Overall Status | Sort by: Name | Search by project name or key | 7 projects

My Favorites | All

Filters

Quality Gate

Passed 3 | Warning 0 | Failed 3

Reliability ( Bugs )

A 6 | B and worse 0 | C and worse 0 | D and worse 0 | E 0

Security ( Vulnerabilities )

A 6 | B and worse 0 | C and worse 0 | D and worse 0 | E 0

Maintainability ( Code Smells )

A 6 | B and worse 0 | C and worse 0 | D and worse 0 | E 0

sonartestproject Passed

0 Bugs | 0 Vulnerabilities | 0 Code Smells | 0.0% Coverage | 0.0% Duplications | 9 XS Scala | Last analysis: October 7, 2019, 4:28 PM

sonartestproject Passed

0 Bugs | 0 Vulnerabilities | 0 Code Smells | 0.0% Coverage | 0.0% Duplications | 9 XS Scala | Last analysis: October 7, 2019, 4:22 PM

sonartestproject origin/development Failed

0 Bugs | 0 Vulnerabilities | 0 Code Smells | 0.0% Coverage | 0.0% Duplications | 9 XS Scala | Last analysis: October 7, 2019, 2:09 PM

sonartestproject origin/feature/NDT-9-testing-for-jira-integrations-1 Failed

0 Bugs | 0 Vulnerabilities | 0 Code Smells | 0.0% Coverage | 0.0% Duplications | 9 XS Scala | Last analysis: October 7, 2019, 2:07 PM

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thats all done !!!