**SonarQube Integration with Jenkins**

Integration SonarQube server with Jenkins is necessary to store your reports. Follow below steps to enable that.

**Prerequisites**

1. SonarQube Server
2. Jenkins Server

**Implementation**

Login to Jenkins server and install sonarqube scanner.

* SonarQube scanner URL : <https://docs.sonarqube.org/display/SCAN/Analyzing+with+SonarQube+Scanner>
* Package : <https://binaries.sonarsource.com/Distribution/sonar-scanner-cli/sonar-scanner-cli-3.3.0.1492-linux.zip>

# wget https://binaries.sonarsource.com/Distribution/sonar-scanner-cli/sonar-scanner-cli-3.3.0.1492-linux.zip

# unzip sonar-scanner-cli-3.3.0.1492-linux.zip

# mv sonar-scanner-cli-3.3.0.1492-linux /opt/sonar\_scanner

Set SonarQube server details in sonar-scanner property file

* Sonar properties file: /opt/sonar\_scanner/conf/sonar-scanner.properties
  + sonar.host.url=http://<SONAR\_SERVER\_IP>:9000

Login to Jenkins GUI console and install " SonarQube scanner" plugin

* Manage Jenkins > Manage Plugins > Avalable > SonarQube scanner

Configure SonarQube scanner home path

* Manage Jenkins > Global Tool Configuration > SonarQube Scanner
  + Name : sonar\_scanner
  + SONAR\_RUNNER\_HOME : /opt/sonar\_scanner

Configure SonarQube server name and authentication token

* Manage Jenkins > Configure Systems > SonarQube Servers
  + Name : SonarQube
  + ServerURL : http://<Sonarqube\_server>:9000/sonar
  + Server authentication token To Get Authentication code follow below steps. Login to SonarQube server as a admin My Account > Security > Generate Token

Create a job to test SonarQube. Provide below sonar properties details in the job under build

* Build:
  + Execute SonarQube Scanner > Analysis properties (it is mandatary).
    - sonar.projectKey=DevOpsProject
    - sonar.projectName=DevOpsProject
    - sonar.projectVersion=1.0
    - sonar.sources=/var/lib/jenkins/workspace/$JOB\_NAME/<PROJECT\_NAME>/src

Execute job to get analysis report.