**SonarQube**

**Introduction:**

**SonarQube** (formerly Sonar) is an open-source platform developed by SonarSource for continuous inspection of code quality to perform automatic reviews with static analysis of code to detect bugs, code smells, and security vulnerabilities on 20+ programming languages.

**Installation & Configuration:**

1. Dowload sonarqube and sonar-scanner zip and extract to the local location.
2. Set the path environment variable : F:\PayPal\sonar-scanner-4.0.0.1744-windows\bin
3. Go to the extracted folder of sonar scanner conf path

\Downloads\sonar-scanner-cli-4.0.0.1744-windows.zip\sonar-scanner-4.0.0.1744-windows\conf.

Add the below lines in the sonar-scanner.properties.

|  |
| --- |
| sonar.projectKey= <Name of the Project>  sonar.projectName=<Name of the Project>  sonar.projectVersion=1.0  sonar.sources=<Path of the main project> |

1. Go the bin path of SonarQube F:\PayPal\sonarqube-5.4\bin\windows-x86-64 and **run StartSonar.bat.** It will take few minutes to start up.
2. Go the bin path of SonarScanner F:\PayPal\sonar-scanner-4.0.0.1744-windows\bin and run **sonar-scanner.bat.** It will take few minutes to start up.
3. Hit the url <http://localhost:9000/> and you can see the project associated with the sonar is listed. Click on the project and see the violations and issues.
4. Whenever you make changes in the file,re-run the sonar scanner and refresh the host url to see the changes.