

How to install SonarQube:

- 1- Download the SonarQube community Edition:

<https://www.sonarqube.org/downloads/>

- 2- Unzip it and execute: C:\sonarqube\bin\windows-x86-xx\StartSonar.bat

<https://docs.sonarqube.org/latest/setup/get-started-2-minutes/>

Analyzing the project:

- 1- Edit the settings.xml file, located in \$MAVEN_HOME/conf or ~/.m2, to set the plugin prefix and optionally the SonarQube server URL.

<https://docs.sonarqube.org/latest/analysis/scan/sonarscanner-for-maven/>

OR

Edit the pom.xml file located in the directory that hold the main project:

```
<build>
  <plugins>
    <plugin>
      <groupId>org.sonarsource.scanner.maven</groupId>
      <artifactId>sonar-maven-plugin</artifactId>
      <version>3.3.0.603</version>
    </plugin>
  </plugins>
</build>
<profiles>
  <profile>
    <id>sonar</id>
    <activation>
      <activeByDefault>true</activeByDefault>
    </activation>
    <properties>
      <!-- Optional URL to server. Default value is
      http://localhost:9000 -->
      <sonar.host.url>
        http://localhost:9000
      </sonar.host.url>
    </properties>
  </profile>
</profiles>
```

this is an older version, update to reflect the latest version

- 2- running a Maven goal: sonar:sonar from the directory that holds the main project pom.xml

```
mvn clean install
```

```
mvn sonar:sonar -Dsonar.host.url=http://local host:9000
```