

* SonarQube use for code quality check
* Provide reports on duplicated code, coding standards, unit tests, code coverage, complex code, potential bugs, comments and design and architecture.

**Code Analysis:**

static code analysis

Duplicated code

**Code coverage :**

Tells what % of code covered by test cases.

**Quality Profile:**

what are rules to apply during analysis.

**Quality gateway:**

add measurements to do analysis.

**Commands:**

**// To do Static Code analysis**

mvn sonar:sonar

mvn sonar:sonar -Dsonar.login=\*\*\*\* -Dsonar.password=\*\*\*\*

mvn sonar:sonar -DModulename // To do code analysis for only particular module.

**//To do code coverage**

mvn clean org.jacoco:jacoco-maven-plugin:prepare-agent install sonar:sonar

**Download Link:**

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

Download: **SonarQube 6.0**

**Default Sonar URL:**

http://localhost:9000

**Cred :**admin/admin

**Sonar Configuration:**

**<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>**