

## SONARQUBE

- [SonarQube](#) is an open source platform developed by SonarSource for continuous inspection of Code Quality
- SonarQube offers reports on duplicated code, coding standards, unit tests, bugs and security vulnerabilities
- SonarQube provides fully automated analysis and integration with Maven and Continuous Integration tools like Jenkins
- SonarQube is a Java application that requires a Java Runtime Environment and a Database.

### Setting Up SonarQube

```
> Install Java  
> sudo yum -y install java-1.8.0* wget unzip
```

- **Download SonarQube**
  - `cd ~`
  - `wget https://binaries.sonarsource.com/Distribution/sonarqube/sonarqube-6.7.7.zip`
  - `unzip ~/sonarqube-6.7.7.zip`

### Start the Sonar

```
> ~/sonarqube-6.7.7/bin/linux-x86-64/sonar.sh status  
> ~/sonarqube-6.7.7/bin/linux-x86-64/sonar.sh start  
> ~/sonarqube-6.7.7/bin/linux-x86-64/sonar.sh status
```

- Default Credentials for login
  - Username : admin
  - Password : admin

## Perform Sonar Analysis

The screenshot shows the SonarQube 'Welcome' page with the following content:

Welcome to SonarQube!  
 Want to quickly analyze a first project? Follow these 2 easy steps.

1 Provide a token: ✓ j0ngf3iwall ac75e70e8ka00e95cd8c2cedfa282703cPhala

2 Run analysis on your project

What is your project's main language?  
☒ Java ☐ C# or VB.NET ☐ Other (JS, Python, PHP, ...)

You are developing primarily in Java: what is your build technology?  
☒ Maven ☐ Gradle

Execute the SonarQube Scanner for Maven from your computer:  
 Running a SonarQube analysis with Maven is straightforward. You just need to run the following command in your project's folder:

```

  mvn sonar:sonar \
    -Dsonar.host.url=http://192.168.132.9000 \
    -Dsonar.login=j0ngf3iwall ac75e70e8ka00e95cd8c2cedfa282703cPhala
  
```

Please visit the official documentation of the SonarQube Scanner for Maven for more details.  
 Once the analysis is completed, you will be able to browse your project at the URL displayed at the end of the logs.

[Finish this tutorial](#)

- Provide Token -> **Generate Token**
- What is your **project main language** - **java**
- **Build Technology** - **Maven**
- **Copy the command you get in** - **Execute SonarQube For maven**
- Change the directory to Application i.e JavaApp you created using maven
- `cd ~/JavaApp`
- `mvn sonar:sonar.....`
- `http://server-ipaddress:9000`

Now you can see the project displayed under the projects section with analysis report.

Quality Gate Passed

Bugs & Vulnerabilities

Leak Period: since 6.4-SNAPSHOT  
started 6 days ago

3 C

🔍 Bugs

0 A

🔒 Vulnerabilities

0 A

🔍 New Bugs

0 A

🔒 New Vulnerabilities

Code Smells

49d A

Debt

started 6 years ago

1.9k

🔍 Code Smells

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New Debt

0

🔍 New Code Smells

Coverage