

Scala Plugin

Name	Scala Plugin
Latest version	Trunk
Requires SonarQube version	2.9 or higher
License	GNU LGPL v3
Developers	Felix Müller
Issue Tracker	http://jira.codehaus.org/browse/SONARPLUGINS/component/14772
Sources	http://www.github.com/SonarCommunity/sonar-scala

Description / Features

This plugin enables the analysis of *Scala* projects.

The following metrics are supported:

- Lines
- Lines of code
- Comment lines
- Classes
- Functions
- Statements
- Public API
- Cyclomatic Complexity

Roadmap

The version 0.1 of this plugin will cover calculation of base metrics.

The next versions will cover the following features:

- integration of Scalastyle for violation checks
- more metrics like lcom4, response for class, depth in tree
- measuring code coverage

Installation

1. Copy the jar into `/extensions/plugins/` directory
2. Restart SonarQube Web server

Usage

Maven projects

If your project is built with maven, you should add:

```
<sourceDirectory>src/main/scala</sourceDirectory>
```

to the build section in your pom and:

```
<properties>
  <sonar.language>scala</sonar.language>
</properties>
```

Non-maven projects

If your project does not use maven as a build engine, you should create a small pom.xml file at the root of your project containing the following content:

pom.xml

```
<project xmlns="http://maven.apache.org/POM/4.0.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
http://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <groupId>my.group.id</groupId>
  <artifactId>arifactId</artifactId>
  <version>1.0</version>
  <packaging>pom</packaging>
  <name>The Name of My Project</name>
  <build>
    <sourceDirectory>src/main/scala</sourceDirectory>
  </build>
  <properties>
    <sonar.language>scala</sonar.language>
  </properties>
</project>
```

Running analysis

To kick-off the analysis, run `mvn sonar:sonar`.

Contribution

Everybody with an interest in developing Scala SonarQubesupport is invited to contribute.

Project Setup

Project setup with Eclipse Indigo:

- install Scala IDE plugin and m2eclipse plugin in Eclipse
- checkout the source code
- in Eclipse:
 - import maven project
 - add Scala nature to the project (right click on project name -> configure or so...)
 - add manually `src/main/scala` and `src/test/scala` as source folder to the build path
 - to finish: run `'mvn package'` and a clean in Eclipse
- Done.

General Advice

If you start developing, you should respect the [forge guidelines](#).

Change Log

Version 0.1 (5 issues)

T	Key	Summary	P
	SONARPLUGINS-1288	Integration of Scala as new language in Sonar	
	SONARPLUGINS-1289	Calculation of base metrics	
	SONARPLUGINS-1292	Code colorization for Scala	
	SONARPLUGINS-1304	Duplicate code measurement via PMD	
	SONARPLUGINS-1305	Create integration test suite	

5 issues