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# Maven and Cobertura Tutorial

Posted on [October 8, 2015](#) by [Arulkumaran Kumaraswamipillai](#)

Cobertura is a free code coverage tool, which calculates the percentage of Java code accessed by unit tests.

**Step 1:** The pom.xml file with the relevant reporting plugins. The properties also shown to set the coverage percentage and to skip code coverage or not.

```

1 <project xmlns="http://maven.apache.org/POM/4.0.0"
2   xsi:schemaLocation="http://maven.apache.org/
3     <modelVersion>4.0.0</modelVersion>
4
5     <groupId>com.mytutorial</groupId>
6     <artifactId>simpleSpringRestWeb</artifactId>
7     <version>1.0-SNAPSHOT</version>
8     <packaging>war</packaging>
9
10    <name>simpleSpringRestWeb</name>
11    <url>http://maven.apache.org</url>
12
13    <properties>
14      //....
15      <javac.src.version>1.7</javac.src.version>
16      <javac.target.version>1.7</javac.target.version>
17      <test.coverage.rate>100</test.coverage.rate>
18      <cobertura.skip>false</cobertura.skip>
19      <cobertura.skip>false</cobertura.skip>
20    </properties>
21

```

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```
22 <dependencies>
23   <dependency>
24     <groupId>net.sourceforge.cobertura</gro
25     <artifactId>cobertura</artifactId>
26     <version>${cobertura.version}</version>
27   </dependency>
28 </dependencies>
29
30 <reporting>
31   <plugins>
32     <plugin>
33       <groupId>org.apache.maven.plugin
34       <artifactId>maven-project-info-r
35       <version>2.7</version>
36       <configuration>
37         <dependencyLocationsEnabled>
38       </configuration>
39     </plugin>
40
41     <plugin>
42       <groupId>org.codehaus.mojo</grou
43       <artifactId>cobertura-maven-plug
44       <version>2.7</version>
45       <configuration>
46         <formats>
47           <format>xml</format>
48           <format>html</format>
49         </formats>
50       </configuration>
51     </plugin>
52   </plugins>
53 </reporting>
54
55 </project>
```

**Step 2:** Run the maven command to create the code coverage report under “\${project}/target/site”.

```
1 mvn cobertura:cobertura
```

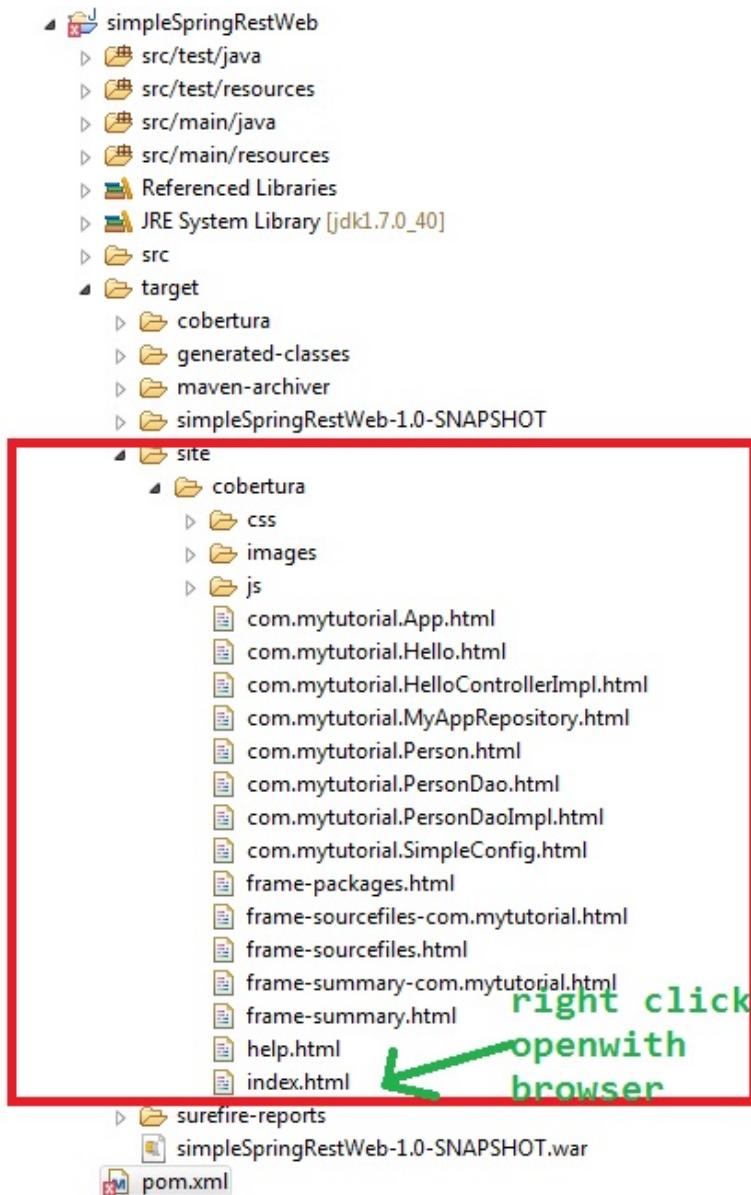
**Step 3:** You can open the report from within eclipse under “\${project}/target/site”. Right mouse click on index.html and then open with “Web browser”.

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  - Design Concepts (7)
  - Design Patterns (11)
  - Exception Handling (3)
  - Java Debugging (21)
  - Judging Experience It
  - Low Latency (7)
  - Memory Management
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maven and corbetura

You can see your code coverage in terms of unit tests. This will help you increase your unit test coverage.



Corbetura code coverage report

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- + ♦ Complete the given code (1)
- + Converting from A to B (1)
- + Designing your class (1)
- + Java Data Structures (1)
- + Passing the unit tests (1)
- + What is wrong with the code (1)
- + Writing Code Home Assignment (1)
- + Written Test Core Java (1)
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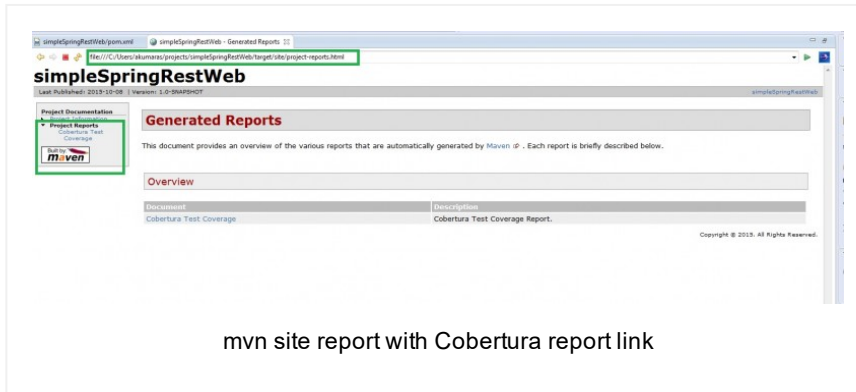
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## Step 4: Creating a maven project site with

```
1 mvn site
```

This generates the site files under “\${project}/target/site”.



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