

Usage

The **PMD plugin** generates **PMD and CPD reports** using the **PMD code analysis tool**.

To include a report with default rule sets and configuration in your project site, set the following in the `<reporting>` section of your POM:

```
<project>
...
<reporting>
  <plugins>
    <plugin>
      <groupId>org.apache.maven.plugins</groupId>
      <artifactId>maven-pmd-plugin</artifactId>
      <version>3.5</version>
    </plugin>
  </plugins>
</reporting>
...
</project>
```

You can also explicitly execute the **PMD plugin** and generate the same report by setting the plugin in the `<build>` section of your POM as shown below:

```
<project>
...
<build>
  <plugins>
    <plugin>
      <groupId>org.apache.maven.plugins</groupId>
      <artifactId>maven-pmd-plugin</artifactId>
      <version>3.5</version>
    </plugin>
  </plugins>
</build>
...
</project>
```

Configuration

The **PMD and CPD reports** share the **same configuration**. For example, the following tells Maven to run the PMD and CPD report as part of the site report generation.

The reports will link directly to the **cross-referenced source** if you enable this with the **linkXRef** parameter. See the [JXR plugin](#) for more details.

If your source uses a non-default encoding, you can use the `sourceEncoding` parameter to tell Maven which encoding to use when reading the java source. Note also the ability to exclude source which you want to ignore.

You can configure the **minimum code size** which trips the CPD. The default of **100 tokens** corresponds to approximately 5-10 lines of code.

Since PMD parses the **Java source**, it needs to know which **Java version** to use. CPD's default is **1.8**. The following is a possible configuration:

```
<project>
...
<reporting>
  <plugins>
    <plugin>
      <groupId>org.apache.maven.plugins</groupId>
```

```
<artifactId>maven-pmd-plugin</artifactId>
<version>3.5</version>
<configuration>
  <linkXref>true</linkXref>
  <sourceEncoding>utf-8</sourceEncoding>
  <minimumTokens>100</minimumTokens>
  <targetJdk>1.5</targetJdk>
  <excludes>
    <exclude>**/*Bean.java</exclude>
    <exclude>**/generated/*.java</exclude>
  </excludes>
  <excludeRoots>
    <excludeRoot>target/generated-sources/stubs</excludeRoot>
  </excludeRoots>
</configuration>
</plugin>
</plugins>
</reporting>
...
</project>
```