




 Secrets


 ABAP


 Apex


 C


 C++


 CloudFormation


 COBOL


 C#


 CSS


 Flex


 Go


 HTML


 **Java**


 JavaScript


 Kotlin


 Objective C


 PHP


 PL/I


 PL/SQL


 Python


 RPG


 Ruby


 Scala


 Swift


 Terraform


 Text


 TypeScript

 T-SQL

 VB.NET

 VB6

 XML



Java static code analysis

Unique rules to find Bugs, Vulnerabilities, Security Hotspots, and Code Smells in your JAVA code

All rules632

Vulnerability53

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Code Smell389

Quick Fix42

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Search by name... 🔍

Assignments should not be made from within sub-expressions

Code Smell

Generic exceptions should never be thrown

Code Smell

Labels should not be used

Code Smell

Utility classes should not have public constructors

Code Smell

Local variables should not shadow class fields

Code Smell

Redundant pairs of parentheses should be removed

Code Smell

Inheritance tree of classes should not be too deep

Code Smell

Nested blocks of code should not be left empty

Code Smell

Methods should not have too many parameters

Code Smell

Unused "private" fields should be removed

Code Smell

Collapsible "if" statements should be merged

Code Smell

Unused labels should be removed

Code Smell

Non-thread-safe fields should not be static

Analyze your code

Bug

Major

multi-threading

Not all classes in the standard Java library were written to be thread-safe. Using them in a multi-threaded manner is highly likely to cause data problems or exceptions at runtime.

This rule raises an issue when an instance of Calendar, DateFormat, javax.xml.xpath.XPath, or javax.xml.validation.SchemaFactory is marked static.

Noncompliant Code Example

```
public class MyClass {
    private static SimpleDateFormat format = new SimpleDateFormat("HH");
    private static Calendar calendar = Calendar.getInstance();
}
```

Compliant Solution

```
public class MyClass {
    private SimpleDateFormat format = new SimpleDateFormat("HH");
    private Calendar calendar = Calendar.getInstance();
}
```

Available In:

sonarlint

sonarcloud





sonarqube

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https://rules.sonarsource.com/java/RSPEC-2885

1/2

| |
|---|
|  Code Smell |
| Standard outputs should not be used directly to log anything |
|  Code Smell |
| OS commands should not be vulnerable to argument injection attacks |
|  Vulnerability |
| "ActiveMQConnectionFactory" should not be vulnerable to malicious code deserialization |
|  Vulnerability |
| Logging should not be vulnerable to |