




 Secrets


 ABAP


 Apex


 C


 C++


 CloudFormation


 COBOL


 C#


 CSS


 Flex


 Go


 HTML


 **Java**


 JavaScript


 Kotlin


 Objective C


 PHP


 PL/I


 PL/SQL


 Python


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 Ruby


 Scala


 Swift


 Terraform


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 TypeScript

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 VB.NET

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Java static code analysis

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

All rules **632**

Vulnerability **53**

Bug **154**

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Code Smell **389**

Quick Fix **42**

Tags ▾

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"DateUtils.truncate" from Apache Commons Lang library should not be used

Code Smell

Multiline blocks should be enclosed in curly braces

Code Smell

"readObject" should not be "synchronized"

Code Smell

"Preconditions" and logging arguments should not require evaluation

Code Smell

Boolean expressions should not be gratuitous

Code Smell

"Lock" objects should not be "synchronized"

Code Smell

Classes with only "static" methods should not be instantiated

Code Smell

"Threads" should not be used where "Runnables" are expected

Code Smell

Inner class calls to super class methods should be unambiguous

Code Smell

Unused type parameters should be removed

Code Smell

Parameters should be passed in the correct order

Code Smell

Strings and Boxed types should be compared using "equals()"

Analyze your code

Bug Major Quick Fix cwe cert

It's almost always a mistake to compare two instances of `java.lang.String` or boxed types like `java.lang.Integer` using reference equality `==` or `!=`, because it is not comparing actual value but locations in memory.

Noncompliant Code Example

```
String firstName = getFirstName(); // String overrides equal
String lastName = getLastName();

if (firstName == lastName) { ... }; // Non-compliant; false
```

Compliant Solution




```
String firstName = getFirstName();
String lastName = getLastName();

if (firstName != null && firstName.equals(lastName)) { ... }
```

See

- [MITRE, CWE-595](#) - Comparison of Object References Instead of Object Contents
- [MITRE, CWE-597](#) - Use of Wrong Operator in String Comparison
- [CERT, EXP03-J.](#) - Do not use the equality operators when comparing values of boxed primitives
- [CERT, EXP50-J.](#) - Do not confuse abstract object equality with reference equality





Available In:

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https://rules.sonarsource.com/java/RSPEC-4973

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<div><div>"ResultSet.isLast()" should not be used</div><div> Code Smell</div></div>
<div><div>"static" members should be accessed statically</div><div> Code Smell</div></div>
<div><div>Silly math should not be performed</div><div> Code Smell</div></div>
<div><div>Classes named like "Exception" should extend "Exception" or a subclass</div><div> Code Smell</div></div>
<div><div>Exceptions should be either loaded or</div></div>