sonar RULES

Products ⌄

⊘	Secrets
SAP	ABAP
APEX	Apex
C	C
C++	C++
C#	CloudFormation
COBOL	COBOL
C#	C#
CSS	CSS
Flex	Flex
GO	Go
HTML	HTML
Java	**Java**
JS	JavaScript
Kotlin	Kotlin
Objective C	Objective C
php	PHP
PL/I	PL/I
PL/SQL	PL/SQL
Python	Python
RPG	RPG
Ruby	Ruby
Scala	Scala
Swift	Swift
Terraform	Terraform
Text	Text
TS	TypeScript
T-SQL	T-SQL
VB.NET	VB.NET
VB6	VB6
XML	XML

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	Security Hotspot	36	Code Smell	389	Quick Fix	42

Tags ⌄   Search by name... 🔍

Packages containing only "package-info.java" should be removed

⊘ Code Smell

Arrays should not be created for varargs parameters

⊘ Code Smell

Jump statements should not be redundant

⊘ Code Smell

Test classes should comply with a naming convention

⊘ Code Smell

Loggers should be named for their enclosing classes

⊘ Code Smell

Methods should not return constants

⊘ Code Smell

"private" methods called only by inner classes should be moved to those classes

⊘ Code Smell

"enum" fields should not be publicly mutable

⊘ Code Smell

Abstract methods should not be redundant

⊘ Code Smell

Arrays should not be copied using loops

⊘ Code Smell

Static non-final field names should comply with a naming convention

⊘ Code Smell

JUnit rules should be used

Variables should not be self-assigned

Analyze your code

🐞 Bug   🔺 Major ⍰   🏷 cert

There is no reason to re-assign a variable to itself. Either this statement is redundant and should be removed, or the re-assignment is a mistake and some other value or variable was intended for the assignment instead.

Noncompliant Code Example

```
public void setName(String name) {
    name = name;
}
```

Compliant Solution

```
public void setName(String name) {
    this.name = name;
}
```

See

- CERT, MSC12-C. - Detect and remove code that has no effect or is never executed

Available In:

sonarlint ◡   sonarcloud ☁   sonarqube ⌇

Code Smell

Nested "enum"s should not be declared static

Code Smell

"catch" clauses should do more than rethrow

Code Smell

Mutable fields should not be "public static"

Code Smell

The diamond operator ("<>") should be used