




 Secrets


 ABAP


 Apex


 C


 C++


 CloudFormation


 COBOL


 C#


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 Flex


 Go


 HTML


 **Java**


 JavaScript


 Kotlin


 Objective C


 PHP


 PL/I


 PL/SQL


 Python


 RPG


 Ruby


 Scala


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 Terraform


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## Java static code analysis

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

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Quick Fix42

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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

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 injection attacks

Vulnerability

Exceptions should not be thrown from servlet methods

Vulnerability

"notifyAll" should be used

Analyze your code

BugMajorQuick Fixmulti-threading cert

notify and notifyAll both wake up sleeping threads, but notify only rouses one, while notifyAll rouses all of them. Since notify might not wake up the right thread, notifyAll should be used instead.

Noncompliant Code Example

```
class MyThread extends Thread{

    @Override
    public void run(){
        synchronized(this){
            // ...
            notify(); // Noncompliant
        }
    }
}
```

Compliant Solution

```
class MyThread extends Thread{

    @Override
    public void run(){
        synchronized(this){
            // ...
            notifyAll();
        }
    }
}
```

See

- [CERT, THIO2-J](#) - Notify all waiting threads rather than a single thread




Available In:

sonarlint | sonarcloud | sonarqube

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https://rules.sonarsource.com/java/RSPEC-2446

1/2

<p>Return values should not be ignored when they contain the operation status code</p> <p> Bug</p>
<p>Repeated patterns in regular expressions should not match the empty string</p> <p> Bug</p>
<p>AssertJ assertions "allMatch" and "doesNotContains" should also test for emptiness</p> <p> Bug</p>
<p>Double Brace Initialization should not be used</p>