

 Secrets

 ABAP

 Apex

 C

 C++

 CloudFormation

 COBOL

 C#

 CSS

 Flex

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 HTML

 **Java**

 JavaScript

 Kotlin

 Objective C

 PHP

 PL/I

 PL/SQL

 Python

 RPG

 Ruby

 Scala

 Swift

 Terraform

 Text

 TypeScript

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 VB.NET

 VB6

 XML



Java static code analysis

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

- All rules 632
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- Code Smell 389
- Quick Fix 42

Tags ▾

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Code Smell
String operations should not rely on the default system locale
Code Smell
Comments should not be located at the end of lines of code
Code Smell
Track uses of "CHECKSTYLE:OFF" suppression comments
Code Smell
Loggers should be "private static final" and should share a naming convention
Code Smell
Track uses of "NOPMD" suppression comments
Code Smell
Packages should have a javadoc file 'package-info.java'
Code Smell
The members of an interface or class declaration should appear in a pre-defined order
Code Smell
Abstract class names should comply with a naming convention
Code Smell
Strings literals should be placed on the left side when checking for equality
Code Smell
Files should contain an empty newline at the end
Code Smell
Source code should be indented consistently

Synchronized classes Vector, Hashtable, Stack and StringBuffer should not be used

Analyze your code

Code Smell Major ? performance

Early classes of the Java API, such as Vector, Hashtable and StringBuffer, were synchronized to make them thread-safe. Unfortunately, synchronization has a big negative impact on performance, even when using these collections from a single thread.

It is better to use their new unsynchronized replacements:

- ArrayList or LinkedList instead of Vector
- Deque instead of Stack
- HashMap instead of Hashtable
- StringBuilder instead of StringBuffer

Even when used in synchronized context, you should think twice before using it, since it's usage can be tricky. If you are confident the usage is legitimate, you can safely ignore this warning.

Noncompliant Code Example

```
Vector cats = new Vector();
```

Compliant Solution

```
ArrayList cats = new ArrayList();
```





Exceptions

Use of those synchronized classes is ignored in the signatures of overriding methods.

```
@Override
public Vector getCats() {...}
```

Available In:

sonarlint | sonarcloud | sonarqube

 Code Smell
A close curly brace should be located at the beginning of a line
 Code Smell
Close curly brace and the next "else", "catch" and "finally" keywords should be on two different lines
 Code Smell
Close curly brace and the next "else", "catch" and "finally" keywords should be located on the same line
 Code Smell