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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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Code Smell 389

Quick Fix 42

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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

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

An open curly brace should be located at the beginning of a line

Code Smell

An open curly brace should be located at the end of a line

Code Smell

Tabulation characters should not be used

Code Smell

Functions should not be defined with a variable number of arguments

Code Smell

"toArray" should be passed an array of the proper type

Analyze your code

Bug Minor Quick Fix

Given no arguments, the `Collections.toArray` method returns an `Object []`, which will cause a `ClassCastException` at runtime if you try to cast it to an array of the proper class. Instead, pass an array of the correct type in to the call.

Noncompliant Code Example

```
public String [] getStringArray(List<String> strings) {
    return (String []) strings.toArray(); // Noncompliant; Cl
}
```

Compliant Solution

```
public String [] getStringArray(List<String> strings) {
    return strings.toArray(new String[0]);
}
```

Available In:

sonarlint sonarcloud sonarqube

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https://rules.sonarsource.com/java/RSPEC-3020

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<div>Local-Variable Type Inference should be used</div> <div> Code Smell</div>
<div>Migrate your tests from JUnit4 to the new JUnit5 annotations</div> <div> Code Smell</div>
<div>Track uses of disallowed classes</div> <div> Code Smell</div>
<div>Track uses of "@SuppressWarnings" annotations</div> <div> Code Smell</div>