Bug (154)

Security

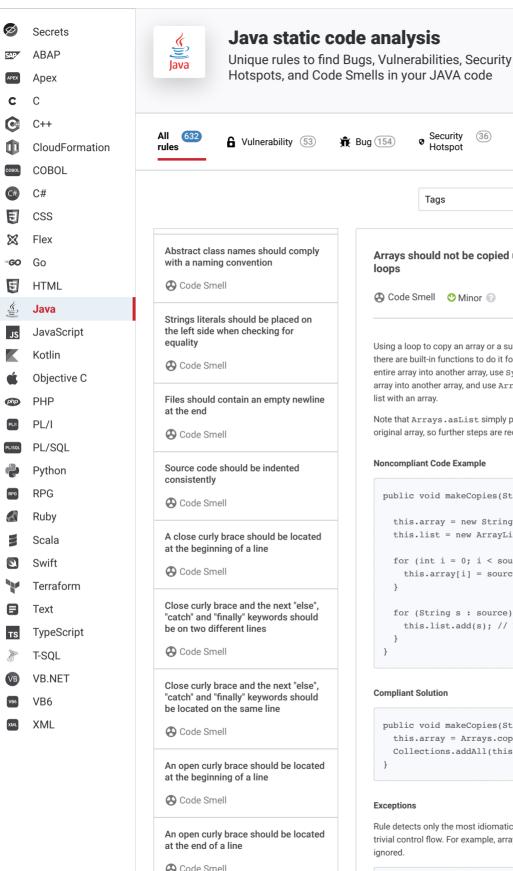
Hotspot

(36)



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Tabulation characters should not be
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Search by name.
           Tags
Arrays should not be copied using
                                               Analyze your code
loops
Code Smell ♥ Minor ②
                                 clumsy
Using a loop to copy an array or a subset of an array is simply wasted code when
there are built-in functions to do it for you. Instead, use Arrays.copyOf to copy an
entire array into another array, use System.arraycopy to copy only a subset of an
array into another array, and use Arrays, as List to feed the constructor of a new
list with an array
Note that Arrays.asList simply puts a Collections wrapper around the
original array, so further steps are required if a non-fixed-size List is desired.
Noncompliant Code Example
  public void makeCopies(String[] source) {
    this.array = new String[source.length];
    this.list = new ArrayList(source.length);
    for (int i = 0; i < source.length; i++) {</pre>
      this.array[i] = source[i]; // Noncompliant
    for (String s : source) {
      this.list.add(s); // Noncompliant
  }
Compliant Solution
 public void makeCopies(String[] source) {
    this.array = Arrays.copyOf(source, source.length);
    Collections.addAll(this.list, source);
Exceptions
Rule detects only the most idiomatic patterns, it will not consider loops with non-
trivial control flow. For example, array elements that are copied conditionally are
ignored.
  public int[] getCopy(int[] source) {
    int[] dest = new int[source.length];
    for (int i = 0; i < source.length; i++) {
```

if (source[i] > 10) {

return dest;

dest[i] = source[i]; // Compliant

(389)

used

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Functions should not be defined with

a variable number of arguments

Local-Variable Type Inference should be used

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Migrate your tests from JUnit4 to the new JUnit5 annotations

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Track uses of disallowed classes

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Track uses of "@SuppressWarnings" annotations

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