sonar RULES

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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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simple "instanceof" + cast
Code Smell

Call to Mockito method "verify", "when" or "given" should be simplified
Code Smell

Character classes should be preferred over reluctant quantifiers in regular expressions
Code Smell

Consecutive AssertJ "assertThat" statements should be chained
Code Smell

Chained AssertJ assertions should be simplified to the corresponding dedicated assertion
Code Smell

Exception testing via JUnit @Test annotation should be avoided
Code Smell

Escape sequences should not be used in text blocks
Code Smell

Simple string literal should be used for single line strings
Code Smell

Boxed "Boolean" should be avoided in boolean expressions
Code Smell

Type parameters should not shadow other type parameters
Code Smell

"read(byte[],int,int)" should be overridden
Code Smell

An iteration on a Collection should be

Collections should not be passed as arguments to their own methods

Analyze your code

Bug Major

Passing a collection as an argument to the collection's own method is either an error - some other argument was intended - or simply nonsensical code.

Further, because some methods require that the argument remain unmodified during the execution, passing a collection to itself can result in undefined behavior.

Noncompliant Code Example

```
List <Object> objs = new ArrayList<Object>();
objs.add("Hello");

objs.add(objs); // Noncompliant; StackOverflowException if o
objs.addAll(objs); // Noncompliant; behavior undefined
objs.containsAll(objs); // Noncompliant; always true
objs.removeAll(objs); // Noncompliant; confusing. Use clear(
objs.retainAll(objs); // Noncompliant; NOOP
```

Available In:

sonarlint sonarcloud sonarqube

performed on the type handled by the Collection

Code Smell

"StandardCharsets" constants should be preferred

Code Smell

"@CheckForNull" or "@Nullable" should not be used on primitive types

Code Smell

Composed "@RequestMapping" variants should be preferred

Code Smell