

 Secrets

 ABAP

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Java static code analysis

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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

Sets with elements that are enum values should be replaced with EnumSet

Analyze your code

Code Smell

Minor ?

performance

When all the elements in a Set are values from the same enum, the Set can be replaced with an EnumSet, which can be much more efficient than other sets because the underlying data structure is a simple bitmap.

Noncompliant Code Example

```
public class MyClass {

    public enum COLOR {
        RED, GREEN, BLUE, ORANGE;
    }

    public void doSomething() {
        Set<COLOR> warm = new HashSet<COLOR>();
        warm.add(COLOR.RED);
        warm.add(COLOR.ORANGE);
    }
}
```

Compliant Solution

```
public class MyClass {

    public enum COLOR {
        RED, GREEN, BLUE, ORANGE;
    }

    public void doSomething() {
        Set<COLOR> warm = EnumSet.of(COLOR.RED, COLOR.ORANGE);
    }
}
```

Available In:

sonarlint | sonarcloud | sonarqube

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https://rules.sonarsource.com/java/RSPEC-1641

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