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Scala static code analysis

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

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Boolean literals should not be redundant

Code Smell

Class names should comply with a naming convention

Code Smell

Method names should comply with a naming convention

Code Smell

Track uses of "TODO" tags

Code Smell

Track lack of copyright and license headers

Code Smell

"match" statements should not be nested

Code Smell

Control flow statements "if", "for", "while", "match" and "try" should not be nested too deeply

Code Smell

"if ... else if" constructs should end with "else" clauses

Code Smell

Expressions should not be too complex

Code Smell

Scala parser failure

Code Smell

Methods should not have too many lines of code

Code Smell

Statements should be on separate lines

Code Smell

"match case" clauses should not have too many lines of code

Analyze your code

Code Smell

Major ?

brain-overload

The match statement should be used only to clearly define some new branches in the control flow. As soon as a case clause contains too many statements this highly decreases the readability of the overall control flow statement. In such case, the content of the case clause should be extracted into a dedicated method.

Noncompliant Code Example




With the default threshold of 5:

```
myVariable match {
  case 0 => // Noncompliant: 6 lines till next case
    methodCall1()
    methodCall2()
    methodCall3()
    methodCall4()
    methodCall5()
  case 1 =>
    // ...
}
```

Compliant Solution

```
myVariable match {
  case 0 => doSomething()
  case 1 =>
    // ...
}






def doSomething(): Unit = {
  methodCall1()
  methodCall2()
  methodCall3()
  methodCall4()
  methodCall5()
}
```

Available In:
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https://rules.sonarsource.com/scala/RSPEC-1151

 Code Smell
"match case" clauses should not have too many lines of code  Code Smell
Files should not have too many lines of code  Code Smell
Lines should not be too long  Code Smell
Tabulation characters should not be used  Code Smell