




 Secrets


 ABAP


 Apex


 C


 C++


 CloudFormation


 COBOL


 C#


 CSS


 Flex


 Go


 HTML


 JavaScript


 Kotlin


 Objective C


 PHP


 PL/I


 PL/SQL


 Python


 RPG


 Ruby


 Scala


 Swift


 Terraform


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JavaScript static code analysis

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

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Object literal shorthand syntax should be used	Code Smell
Strings and non-strings should not be added	Code Smell
Object literal syntax should be used	Code Smell
"undefined" should not be assigned	Code Smell
Trailing commas should not be used	Code Smell
Array constructors should not be used	Code Smell
Quotes for string literals should be used consistently	Code Smell
Statements should end with semicolons	Code Smell
Comments should not be located at the end of lines of code	Code Smell
Loops should not contain more than a single "break" or "continue" statement	Code Smell
Variable, property and parameter names should comply with a naming convention	Code Smell
Lines should not end with trailing whitespaces	Code Smell

Tags ▾

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Regular expression quantifiers and character classes should be used concisely

Analyze your code

Code Smell

Minor ?

regex

With regular expressions syntax, it's possible to express the same thing in many ways. For example, to match a two-digit number, one could write `[0-9]{2,2}` or `\d{2}`. Latter is not only shorter in terms of expression length, but also easier to read and thus to maintain. This rule recommends to replace some bulky quantifiers and character classes with more concise equivalents:

- `\d` for `[0-9]` and `\D` for `[^0-9]`
- `\w` for `[A-Za-z0-9_]` and `\W` for `[^A-Za-z0-9_]`
- `.` for character classes matching everything (e.g. `[\w\W]`, `[\d\D]`, or `[\s\S]` with `s` flag)
- `x?` for `x{0,1}`, `x*` for `x{0,}`, `x+` for `x{1,}`, `x{N}` for `x{N,N}`

Noncompliant Code Example





```
/a{1,}/; // Noncompliant, '{1,}' quantifier is the same as '[A-Za-z0-9_]'; // Noncompliant, '\w' is equivalent
```

Compliant Solution

```
/a+/;  
/\w/;
```

Available In:

sonarlint sonarcloud sonarqube

<div>Files should contain an empty newline at the end</div> <div> Code Smell</div>
<div>An open curly brace should be located at the end of a line</div> <div> Code Smell</div>
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