sonar RULES

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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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Tags ⌄   Search by name...

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

Variables should be declared with "let" or "const"

Analyze your code

◯ Code Smell   ⚠ Critical ⓘ   Quick Fix ⓘ   🏷 es2015 bad-practice

ECMAScript 2015 introduced the `let` and `const` keywords for block-scope variable declaration. Using `const` creates a read-only (constant) variable.

The distinction between the variable types created by `var` and by `let` is significant, and a switch to `let` will help alleviate many of the variable scope issues which have caused confusion in the past.

Because these new keywords create more precise variable types, they are preferred in environments that support ECMAScript 2015. However, some refactoring may be required by the switch from `var` to `let`, and you should be aware that they raise `SyntaxErrors` in pre-ECMAScript 2015 environments.

This rule raises an issue when `var` is used instead of `const` or `let`.

Noncompliant Code Example

```
var color = "blue";
var size = 4;
```

Compliant Solution

```
const color = "blue";
let size = 4;
```

Available In:

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Files should contain an empty newline at the end

⊗ 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

Function and method names should comply with a naming convention

⊗ Code Smell