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

All rules 285 | Vulnerability 29 | Bug 62 | Security Hotspot 43 | Code Smell 151 | Quick Fix 41

Tags

Search by name...

should be removed
Code Smell

Function call arguments should not start on new lines
Code Smell

"switch" statements should have at least 3 "case" clauses
Code Smell

A "while" loop should be used instead of a "for" loop
Code Smell

Unnecessary imports should be removed
Code Smell

Return of boolean expressions should not be wrapped into an "if-then-else" statement
Code Smell

Boolean literals should not be used in comparisons
Code Smell

Extra semicolons should be removed
Code Smell

Class names should comply with a naming convention
Code Smell

Track uses of "TODO" tags
Code Smell

Web SQL databases should not be used
Vulnerability

Variables should be defined before being used
Bug

Comma operator should not be used

Analyze your code

Code Smell   Major

The comma operator takes two expressions, executes them from left to right and returns the result of the second one. Use of this operator is generally detrimental to the readability and reliability of code, and the same effect can be achieved by other means.

Noncompliant Code Example

```
i = a += 2, a + b;  // What's the value of i ?
```

Compliant Solution

```
a +=  2;
i = a + b;
```

Exceptions

Use of comma operator is tolerated:

- in initialization and increment expressions of `for` loops.

```
for(i = 0, j = 5; i < 6; i++, j++) { ... }
```

- If the expression sequence is explicitly wrapped in parentheses.

Available In:

sonarlint | sonarcloud | sonarqube

Variables declared with "var" should be declared before they are used

Code Smell

Track lack of copyright and license headers

Code Smell

Reading the Standard Input is security-sensitive

Security Hotspot

Using command line arguments is security-sensitive

Security Hotspot