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`

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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

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Quotes for string literals should be used consistently

⊗ Code Smell

Statements should end with semicolons

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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

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Variable, property and parameter names should comply with a naming convention

⊗ Code Smell

Lines should not end with trailing whitespaces

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"switch" statements should have "default" clauses

Analyze your code

⊗ Code Smell   ⟰ Critical ⓘ   🏷 cwe

The requirement for a final `default` clause is defensive programming. The clause should either take appropriate action, or contain a suitable comment as to why no action is taken.

Noncompliant Code Example

```
switch (param) {  //missing default clause
  case 0:
    doSomething();
    break;
  case 1:
    doSomethingElse();
    break;
}

switch (param) {
  default: // default clause should be the last one
    error();
    break;
  case 0:
    doSomething();
    break;
  case 1:
    doSomethingElse();
    break;
}
```

Compliant Solution

```
switch (param) {
  case 0:
    doSomething();
    break;
  case 1:
    doSomethingElse();
    break;
  default:
    error();
    break;
}
```

See

- MITRE, CWE-478 - Missing Default Case in Switch Statement

Available In:

sonarlint ⊖ | **sonarcloud** ☁ | **sonarqube** 📶

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

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Function and method names should comply with a naming convention

🛡 Code Smell