sonar RULES

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# TypeScript static code analysis

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

All rules 279 | Vulnerability 27 | Bug 51 | Security Hotspot 43 | Code Smell 158 | Quick Fix 50

Tags

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added

Code Smell

Primitive types should be omitted from initialized or defaulted declarations

Code Smell

Non-null assertions should not 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

## "this" should not be assigned to variables

Analyze your code

Code Smell Major clumsy

Assigning `this` to a local variable is a way to reference parent context inside inner functions. In TypeScript when using arrow functions this happens automatically.

This rule raises an issue when `this` is assigned to a local variable.

### Noncompliant Code Example

```
function Foo() {
  let that = this;  // Noncompliant
  that.val = 0;

  setInterval(function() {
    that.val++;
  }, 1000);
}
```

### Compliant Solution

```
function Foo() {
  this.val = 0;

  setInterval(() => {
    this.val++;
  }, 1000);
}
```

### Exceptions

This rule ignores `this` used for destructuring.

```
const { foo, bar } = this;
```

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

Code Smell

Function and method names should comply with a naming convention

Code Smell