




 Secrets


 ABAP


 Apex


 C


 C++


 CloudFormation


 COBOL


 C#


 CSS


 Flex


 Go


 HTML


 Java


 JavaScript


 Kotlin


 Objective C


 PHP


 PL/I


 PL/SQL


 Python


 RPG


 Ruby


 Scala


 Swift


 Terraform


 Text

 **TypeScript**

 T-SQL

 VB.NET

 VB6

 XML



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 ▾

Search by name... 🔍

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

Functions should not have too many lines of code

Analyze your code

Code Smell

Major ?

brain-overload

A function that grows too large tends to aggregate too many responsibilities.

Such functions inevitably become harder to understand and therefore harder to maintain.

Above a specific threshold, it is strongly advised to refactor into smaller functions which focus on well-defined tasks.

Those smaller functions will not only be easier to understand, but also probably easier to test.

Exceptions

This rule ignores Immediately Invoked Function Expressions (IIFE), which are functions that are created and invoked without ever being assigned a name.

```
(function () { // Ignored by this rule

    function open() { // Classic function declaration; not ig
        // ...
    }

    function read() {
        // ...
    }

    function readlines() {
        // ...
    }
})();
```

This rule also ignores React Functional Components, which are JavaScript functions named with a capital letter and returning a React element (JSX syntax).





```
function Welcome() {
    const greeting = 'Hello, World!';

    // ...

    return (
        <div className="Welcome">
            <p>{greeting}</p>
        </div>
    );
}
```

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>
<div>Tabulation characters should not be used</div> <div> Code Smell</div>
<div>Function and method names should comply with a naming convention</div> <div> Code Smell</div>

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