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 **TypeScript**

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TypeScript static code analysis

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

All rules279

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Expressions should not be too complex

Code Smell

Template literal placeholder syntax should not be used in regular strings

Bug

Built-in objects should not be overridden

Bug

"for...in" loops should filter properties before acting on them

Bug

Results of operations on strings should not be ignored

Bug

Increment (++) and decrement (--) operators should not be used in a method call or mixed with other operators in an expression

Code Smell

Optional boolean parameters should have default value

Code Smell

Union types should not have too many elements

Code Smell

Dependencies should be explicit

Code Smell

"this" should not be assigned to variables

Code Smell

The "any" type should not be used

Code Smell

"for in" should not be used with iterables

Array-mutating methods should not be used misleadingly

Analyze your code

Code SmellMajor?

Many of JavaScript's Array methods return an altered version of the array while leaving the source array intact. `reverse` and `sort` do not fall into this category. Instead, they alter the source array *in addition* to returning the altered version, which is likely not what was intended.

This rule raises an issue when the return values of these methods are assigned, which could lead maintainers to overlook the fact that the original value is altered.

Noncompliant Code Example

```
var b = a.reverse(); // Noncompliant
var d = c.sort(); // Noncompliant
```

Compliant Solution

```
var b = [...a].reverse(); // de-structure and create a new a.reverse();

c.sort(); // this sorts array in place
```

Available In:





sonarlint | sonarcloud | sonarqube

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https://rules.sonarsource.com/typescript/RSPEC-4043

1/2

 Code Smell
Functions should use "return" consistently  Code Smell
"arguments" should not be accessed directly  Code Smell
Comparison operators should not be used with strings  Code Smell
Private properties that are only assigned in the constructor or at