sonar RULES   Products ⌄

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	

TS **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... 🔍

---

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

Unchanged variables should be marked "const"

Analyze your code

⚙ Code Smell   🔻 Critical ⓘ   Quick Fix ⓘ   🏷 es2015

Marking a variable that is unchanged after initialization `const` is an indication to future maintainers that "no this isn't updated, and it's not supposed to be". `const` should be used in these situations in the interests of code clarity.

Noncompliant Code Example

```
function seek(input) {
  let target = 32;  // Noncompliant
  for (let i of input) {  // Noncompliant
    if (i == target) {
      return true;
    }
  }
  return false;
}

function getUrl(query) {
  let url; // Noncompliant
  url = "http://example.com";
  return url;
}
```

Compliant Solution

```
function seek(input) {
  const target = 32;
  for (const i of input) {
    if (i == target) {
      return true;
    }
  }
  return false;
}

function getUrl(query) {
  const url = "http://example.com";
  return url;
}
```

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