Security

Hotspot

(43)

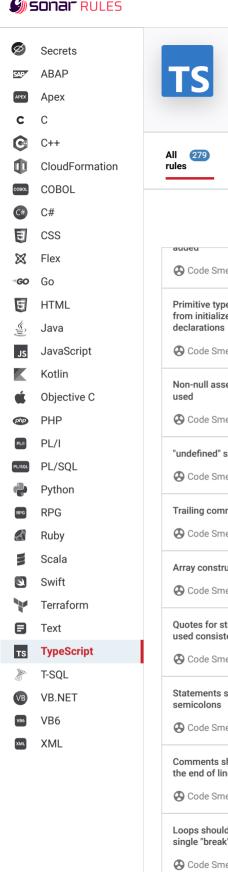
TypeScript static code analysis

Unique rules to find Bugs, Vulnerabilities, Security



Products ~

O Quick 50 Fix



```
Hotspots, and Code Smells in your TYPESCRIPT code
             6 Vulnerability (27)
                                     # Bug (51)
Code Smell
Primitive types should be omitted
from initialized or defaulted
Code Smell
Non-null assertions should not be
Code Smell
"undefined" should not be assigned
A 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
A Code Smell
Statements should end with
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
```

```
Search by name.
                                                                 Q
          Tags
Redundant casts and non-null
                                          Analyze your code
assertions should be avoided
redundant
The TypeScript compiler automatically casts a variable to the relevant type inside
conditionals where it is possible to infer the type (because type of, instance of,
etc was used). This compiler feature makes casts and not-null assertions
unnecessary
Noncompliant Code Example
  function getName(x?: string | UserName) {
   if (x) {
     console.log("Getting name for " + x!); // Noncompliant
      if (typeof x === "string")
        return (x as string); // Noncompliant
        return (x as UserName).name; // Noncompliant
    return "NoName";
Compliant Solution
 function getName(x?: string | UserName) {
   if (x) {
     console.log("Getting name for " + x);
     if (typeof x === "string")
       return x;
     else
        return x.name;
    return "NoName";
 Available In:
 sonarlint ⊕ | sonarcloud ↔ | sonarqube
```

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(158)

Code Smell

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