




 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

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Search by name... 🔍

Code Smell

Primitive types should be omitted from initialized or defaulted declarations

Code Smell

Code Smell

Non-null assertions should not be used

Code Smell

Code Smell

"undefined" should not be assigned

Code Smell

Code Smell

Trailing commas should not be used

Code Smell

Code Smell

Array constructors should not be used

Code Smell

Code Smell

Quotes for string literals should be used consistently

Code Smell

Code Smell

Statements should end with semicolons

Code Smell

Code Smell

Comments should not be located at the end of lines of code

Code Smell

Code Smell

Loops should not contain more than a single "break" or "continue" statement

Code Smell

Code Smell

Variable, property and parameter names should comply with a naming convention

Code Smell

Code Smell

Lines should not end with trailing whitespaces

Code Smell

"undefined" should not be assigned

Analyze your code

Code Smell

Minor

suspicious

undefined is the value you get for variables and properties which have not yet been created. Use the same value to reset an existing variable and you lose the ability to distinguish between a variable that exists but has no value and a variable that does not yet exist. Instead, null should be used, allowing you to tell the difference between a property that has been reset and one that was never created.

Noncompliant Code Example

```
var myObject = {};  
  
// ...  
myObject.fname = undefined; // Noncompliant  
// ...  
  
if (myObject.lname == undefined) {  
    // property not yet created  
}  
if (myObject.fname == undefined) {  
    // no real way of knowing the true state of myObject.fname  
}
```

Compliant Solution

```
var myObject = {};  
  
// ...  
myObject.fname = null;  
// ...  
  
if (myObject.lname == undefined) {  
    // property not yet created  
}  
if (myObject.fname == undefined) {  
    // no real way of knowing the true state of myObject.fname  
}
```

Available In:

sonarlint

sonarcloud

sonarqube

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https://rules.sonarsource.com/typescript/RSPEC-2138

1/2

<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>