




 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




Non-null assertions should not be used




"undefined" should not be assigned




Trailing commas should not be used




Array constructors should not be used




Quotes for string literals should be used consistently




Statements should end with semicolons




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




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



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





Lines should not end with trailing whitespaces




### Magic numbers should not be used

Analyze your code

 Code Smell

 Major ?

 brain-overload

A magic number is a number that comes out of nowhere, and is directly used in a statement. Magic numbers are often used, for instance to limit the number of iterations of a loop, to test the value of a property, etc.

Using magic numbers may seem obvious and straightforward when you're writing a piece of code, but they are much less obvious and straightforward at debugging time.

That is why magic numbers must be demystified by first being assigned to clearly named variables before being used.

-1, 0 and 1 are not considered magic numbers.




#### Noncompliant Code Example

```
function doSomething() {
  for (let i = 0; i < 4; i++) {    // Noncompliant, 4 is a magic number
    // ...
  }
}
```

#### Compliant Solution

```
function doSomething() {
  const numberOfCycles = 4;
  for (let i = 0; i < numberOfCycles; i++) {
    // ...
  }
}
```

Available In:

 |  | 

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https://rules.sonarsource.com/typescript/RSPEC-109

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>