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

C# static code analysis

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

All rules 409	🔒 Vulnerability 34	🐛 Bug 76	Security Hotspot 28	Code Smell 271	Quick Fix 52

Tags ⌄   Search by name... 🔍

"protected" members

⊗ Code Smell

Underscores should be used to make large numbers readable

⊗ Code Smell

"ToString()" calls should not be redundant

⊗ Code Smell

"==" should not be used when "Equals" is overridden

⊗ Code Smell

An abstract class should have both abstract and concrete methods

⊗ Code Smell

Multiple variables should not be declared on the same line

⊗ Code Smell

Culture should be specified for "string" operations

⊗ Code Smell

"switch" statements should have at least 3 "case" clauses

⊗ Code Smell

break statements should not be used except for switch cases

⊗ Code Smell

String literals should not be duplicated

⊗ Code Smell

Files should contain an empty newline at the end

⊗ Code Smell

Unused "using" should be removed

⊗ Code Smell

Strings should not be concatenated using '+' in a loop

Analyze your code

⊗ Code Smell   ◔ Minor ⊘   🏷 performance

`StringBuilder` is more efficient than string concatenation, especially when the operator is repeated over and over as in loops.

Noncompliant Code Example

```
string str = "";
for (int i = 0; i < arrayOfStrings.Length ; ++i)
{
  str = str + arrayOfStrings[i];
}
```

Compliant Solution

```
StringBuilder bld = new StringBuilder();
for (int i = 0; i < arrayOfStrings.Length; ++i)
{
  bld.Append(arrayOfStrings[i]);
}
string str = bld.ToString();
```

Available In:

sonarlint ⊙ | sonarcloud ⊙ | sonarqube

A close curly brace should be located at the beginning of a line

🔆 Code Smell

Tabulation characters should not be used

🔆 Code Smell

Methods and properties should be named in PascalCase

🔆 Code Smell

Track uses of in-source issue suppressions

🔆 Code Smell