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

Member initializer values should not be redundant

Analyze your code

⊘ Code Smell   ⊘ Minor ❓

Fields, properties and events can be initialized either inline or in the constructor. Initializing them inline and in the constructor at the same time is redundant; the inline initialization will be overridden.

Noncompliant Code Example

```
class Person
{
  int age = 42; // Noncompliant
  public Person(int age)
  {
    this.age = age;
  }
}
```

Compliant Solution

```
class Person
{
  int age;
  public Person(int age)
  {
    this.age = age;
  }
}
```

Exceptions

This rule doesn't report an issue if not all constructors initialize the field. If the field is initialized inline to its default value, then {rule:csharpsquid:S3052} already reports an issue on the initialization.

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