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

"if ... else if" constructs should end with "else" clauses

Analyze your code

⊘ Code Smell   ⚠ Critical ?

This rule applies whenever an `if` statement is followed by one or more `else if` statements; the final `else if` should be followed by an `else` statement.

The requirement for a final `else` statement is defensive programming.

The `else` statement should either take appropriate action or contain a suitable comment as to why no action is taken. This is consistent with the requirement to have a final `default` clause in a `switch` statement.

Noncompliant Code Example

```
if (x == 0)
{
    DoSomething();
}
else if (x == 1)
{
    DoSomethingElse();
}
```

Compliant Solution

```
if (x == 0)
{
    DoSomething();
}
else if (x == 1)
{
    DoSomethingElse();
}
else
{
    throw new InvalidOperationException();
}
```

Exceptions

None

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