

- 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...



Bug

Property assignments should not be made for "readonly" fields not constrained to reference types

Bug

Flags enumerations should explicitly initialize all their members

Bug

"GetHashCode" should not reference mutable fields

Bug

Results of integer division should not be assigned to floating point variables

Bug

Integral numbers should not be shifted by zero or more than their number of bits-1

Bug

"Equals(Object)" and "GetHashCode()" should be overridden in pairs

Bug

Having a permissive Cross-Origin Resource Sharing policy is security-sensitive

Security Hotspot

Delivering code in production with debug features activated is security-sensitive

Security Hotspot

Searching OS commands in PATH is security-sensitive

Security Hotspot

Creating cookies without the "HttpOnly" flag is security-sensitive

Security Hotspot

Creating cookies without the "secure"

Anonymous delegates should not be used to unsubscribe from Events

Analyze your code

Bug Major ?

It is possible to subscribe to events with anonymous delegates, but having done so, it is impossible to unsubscribe from them. That's because the process of subscribing adds the delegate to a list. The process of unsubscribing essentially says: remove *this item* from the subscription list. But because an anonymous delegate was used in both cases, the unsubscribe attempt tries to remove a different item from the list than was added. The result: NOOP.

Instead, save the delegate to a variable and use the variable to subscribe and unsubscribe.

Noncompliant Code Example

```
listView.PreviewTextInput += (obj,args) =>
    listView_PreviewTextInput(obj,args,listView);

// ...

listView.PreviewTextInput -= (obj, args) =>
    listView_PreviewTextInput(obj, args, listView); // N
```

Compliant Solution

```
EventHandler func = (obj,args) => listView_PreviewTextInput(

listView.PreviewTextInput += func;

// ...

listView.PreviewTextInput -= func;
```

Available In:

sonarlint | **sonarcloud** | **sonarqube**

Creating cookies where the cookie flag is security-sensitive

 Security Hotspot


Literal suffixes should be upper case

 Code Smell

Null checks should not be used with "is"

 Code Smell

Method overloads should be grouped together

 Code Smell

"params" should be used instead of "object[]"