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...

"ToString()" method should not return null
Bug

Return values from functions without side effects should not be ignored
Bug

Values should not be uselessly incremented
Bug

Collections should not be passed as arguments to their own methods
Bug

Related "if/else if" statements should not have the same condition
Bug

Objects should not be created to be dropped immediately without being used
Bug

Identical expressions should not be used on both sides of a binary operator
Bug

Loops with at most one iteration should be refactored
Bug

Variables should not be self-assigned
Bug

Constructing arguments of system commands from user input is security-sensitive
Security Hotspot

Deserializing objects without performing data validation is security-sensitive
Security Hotspot

"params" should not be introduced on overrides

Analyze your code

Code Smell | Critical | Quick Fix | confusing

Adding `params` to a method override has no effect. The compiler accepts it, but the callers won't be able to benefit from the added modifier.

Noncompliant Code Example

```
class Base
{
  public virtual void Method(int[] numbers)
  {
    ...
  }
}
class Derived : Base
{
  public override void Method(params int[] numbers) // Nonco
  {
    ...
  }
}
```

Compliant Solution

```
class Base
{
  public virtual void Method(int[] numbers)
  {
    ...
  }
}
class Derived : Base
{
  public override void Method(int[] numbers)
  {
    ...
  }
}
```

Available In:

sonarlint | sonarcloud | sonarqube

Disabling ASP.NET "Request Validation" feature is security-sensitive

Security Hotspot

Allowing requests with excessive content length is security-sensitive

Security Hotspot

Setting loose file permissions is security-sensitive

Security Hotspot

Formatting SQL queries is security-sensitive