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## C# static code analysis

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

All rules 409

Vulnerability 34

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### Security Hotspot

Expanding archive files without controlling resource consumption is security-sensitive

Security Hotspot

Configuring loggers is security-sensitive

Security Hotspot

Using weak hashing algorithms is security-sensitive

Security Hotspot

Disabling CSRF protections is security-sensitive

Security Hotspot

Using non-standard cryptographic algorithms is security-sensitive

Security Hotspot

Using pseudorandom number generators (PRNGs) is security-sensitive

Security Hotspot

Parameter names should match base declaration and other partial definitions

Code Smell

"ValueTask" should be consumed correctly

Code Smell

String offset-based methods should be preferred for finding substrings from offsets

Code Smell

"default" clauses should be first or last

Code Smell

Unread "private" fields should be removed

### Silly bit operations should not be performed

Analyze your code

Code Smell Blocker Quick Fix suspicious





Certain bit operations are just silly and should not be performed because their results are predictable.

Specifically, using `& -1` with any value will always result in the original value, as will `anyValue ^ 0` and `anyValue | 0`.

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 Code Smell
<b>Base class methods should not be hidden</b>  Code Smell
<b>Inherited member visibility should not be decreased</b>  Code Smell
<b>Threads should not lock on objects with weak identity</b>  Code Smell
<b>A conditionally executed single line should be denoted by indentation</b>