

XML

```
409
               6 Vulnerability (34)
rules
  Code Smell
 Non-flags enums should not be
 marked with "FlagsAttribute"
 A Code Smell
 Classes implementing "IEquatable<T>"
 should be sealed
 A Code Smell
 "GC.SuppressFinalize" should not be
 called
 Code Smell
 Objects should not be disposed more
 Code Smell
 Parameter names used into
 ArgumentException constructors
 should match an existing one
 Code Smell
 "ISerializable" should be implemented
 correctly
 Code Smell
 "Assembly.Load" should be used
 Code Smell
 "IDisposable" should be implemented
 correctly
 Code Smell
 "ServiceContract" and
 "OperationContract" attributes should
 be used together
 Code Smell
 Composite format strings should be
 used correctly
 Code Smell
 Exceptions should not be explicitly
```

rethrown

Code Smell

```
C# static code analysis
Unique rules to find Bugs, Vulnerabilities, Security
Hotspots, and Code Smells in your C# code
                                                                   O Quick 52
Fix
                                                 Security
                                           (28)
                   # Bug (76)
                                  Hotspot
                                                                                 Q
                                  Tags
                                                         Search by name..
```

```
integer types.
    unchecked
  }
Compliant Solution
    try
  }
Exceptions
```

```
Overflow checking should not be
                                            Analyze your code
disabled for "Enumerable.Sum"
error-handling
Enumerable.Sum() always executes addition in a checked context, so an
OverflowException will be thrown if the value exceeds MaxValue even if an
unchecked context was specified. Using an unchecked context anyway
represents a misunderstanding of how Sum works.
This rule raises an issue when an unchecked context is specified for a Sum on
Noncompliant Code Example
 void Add(List<int> list)
    int d = unchecked(list.Sum()); // Noncompliant
      int e = list.Sum(); // Noncompliant
 void Add(List<int> list)
```

```
int d = list.Sum();
  int e = list.Sum();
catch (System.OverflowException e)
  // exception handling...
```

When the Sum() call is inside a try-catch block, no issues are reported.

```
void Add(List<int> list)
{
  unchecked
    try
      int e = list.Sum();
```

"abstract" classes should not have "public" constructors Code Smell Assertion arguments should be passed in the correct order Code Smell Ternary operators should not be

nested

Code Smell

Events should be invoked

Code Smell

```
catch (System.OverflowException e)
      // exception handling...
}
Available In:
sonarlint ⊕ | sonarcloud & | sonarqube
```

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