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© C++

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TS TypeScript

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VB VB.NET

VB6 VB6

XML XML



## C++ static code analysis

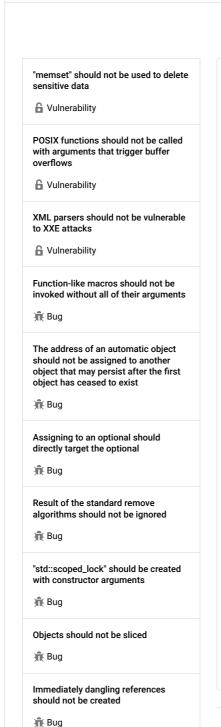
Unique rules to find Bugs, Vulnerabilities, Security Hotspots, and Code Smells in your C++ code

All 578 rules

Code 436 Smell

O Quick 68 Fix

Tags



"pthread\_mutex\_t" should be unlocked

in the reverse order they were locked

"pthread\_mutex\_t" should be properly

# Bug

```
Closed resources should not be
                                               Analyze your code
accessed
📆 Bug \phantom 🕕 Blocker 🕝
                          symbolic-execution cert
Using the value of a pointer to a FILE object after the associated file is closed is
undefined behavior
Noncompliant Code Example
  void fun() {
    FILE * pFile;
    pFile = fopen(fileName, "w");
    if (condition) {
      fclose(pFile);
    fclose(pFile); // Noncompliant, the file has already been c
Compliant Solution
  void fun() {
    FILE * pFile;
    pFile = fopen(fileName, "w");
    if (condition) {
    fclose(pFile);

    CERT FIO46-C - Do not access a closed file

 Available In:
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```

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initialized and destroyed

in Bug

"pthread\_mutex\_t" should not be consecutively locked or unlocked twice

in Bug

"std::move" and "std::forward" should not be confused

in Bug

A call to "wait()" on a "std::condition\_variable" should have a