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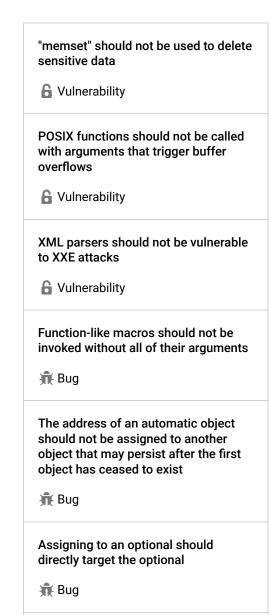


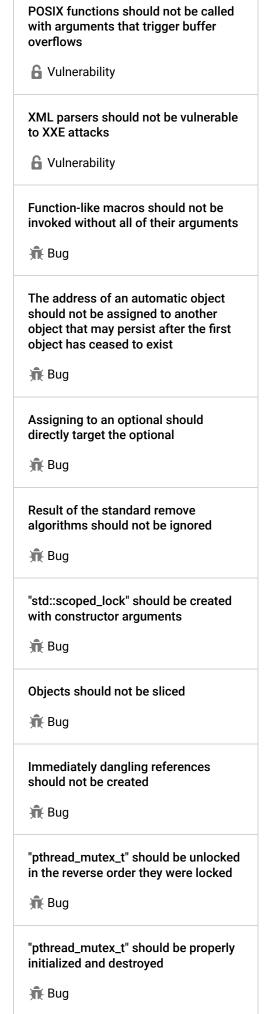
C++ static code analysis

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

All 578 rules Sup 111 Security 18 Code 436 Smell Quick Fix	68)
--	-----

Tags





"pthread_mutex_t" should not be consecutively locked or unlocked

```
Size of variable length arrays
                                          Analyze your code
should be positive
                             symbolic-execution suspicious
Variable length arrays should have a well-defined, positive size.
Noncompliant Code Example
 void f1() {
   int n;
   int a[n]; // Noncompliant; n is undefined
 void f2() {
   int n = 0;
   int a[n]; // Noncompliant; array of zero size
 Available In:
 sonarlint ⊕ | sonarcloud & | sonarqube
```

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I
🖟 Bug
"std::move" and "std::forward" should not be confused
∰ Bug
A call to "wait()" on a "std::condition_variable" should have a condition
n Bug
A pointer to a virtual base class shall only be cast to a pointer to a derived class by means of dynamic_cast
ਜ਼ਿ Bug
Functions with "noreturn" attribute should not return
👬 Bug
RAII objects should not be temporary
्रे Bug
"memcmp" should only be called with pointers to trivially copyable types with no padding
🙃 Bug
"memcpy", "memmove", and "memset" should only be called with pointers to trivially copyable types
🙃 Bug
"std::auto_ptr" should not be used
n Bug
Destructors should be "noexcept"
🖟 Bug