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© C++

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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 Vulnerability 13

R Bug (111)

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Tags

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"memset" should not be used to delete sensitive data

Vulnerability

POSIX functions should not be called with arguments that trigger buffer overflows

■ Vulnerability

XML parsers should not be vulnerable to XXE attacks

♠ Vulnerability

Function-like macros should not be invoked without all of their arguments

📆 Bug

The address of an automatic object should not be assigned to another object that may persist after the first object has ceased to exist

📆 Bug

Assigning to an optional should directly target the optional

👬 Bug

Result of the standard remove algorithms should not be ignored

📆 Bug

"std::scoped_lock" should be created with constructor arguments

飛 Bug

Objects should not be sliced

👬 Bug

Immediately dangling references should not be created

📆 Bug

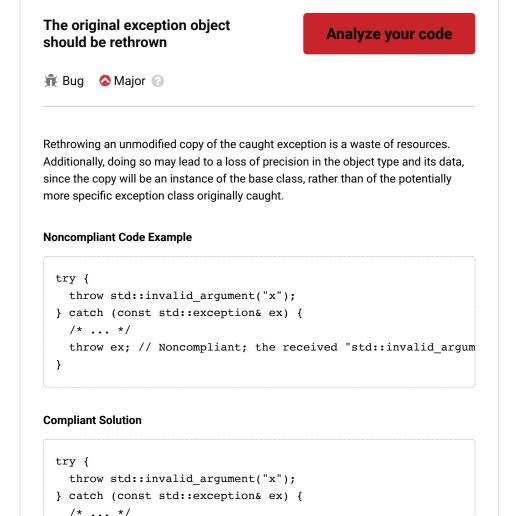
"pthread_mutex_t" should be unlocked in the reverse order they were locked

兼 Bug

"pthread_mutex_t" should be properly initialized and destroyed

<table-of-contents> Bug

"pthread_mutex_t" should not be consecutively locked or unlocked twice



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throw; // rethrows the initial "std::invalid_argument"

∰ Bug
"std::move" and "std::forward" should not be confused
∰ Bug
A call to "wait()" on a "std::condition_variable" should have a condition
ℛ Bug
A pointer to a virtual base class shall only be cast to a pointer to a derived class by means of dynamic_cast Bug
₩ Duy
Functions with "noreturn" attribute should not return
Rug
RAII objects should not be temporary
₩ 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
ℛ Bug
Destructors should be "noexcept"
∰ Bug