



5 HTML

Java

JavaScript

Kotlin

Kubernetes

Objective C

PHP

PL/I

PL/SQL

Python

RPG

Ruby

Scala

Swift

Terraform

Text

TypeScript

T-SQL

VB.NET

VB6

XML



■ Vulnerability

C++ static code analysis

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

All 578 Care Vulnerability 13 3	f Bug (111)	Security 18 Hotspot	Ocode Smell 436	Quick 68 Fix
		Tags	∨ Search	n by name
"memset" should not be used to delete sensitive data • Vulnerability		renced null pointers bound to reference		Analyze your code
POSIX functions should not be called with arguments that trigger buffer overflows	⇔ Cod	e Smell 🔷 Major 🕜	unpredictable	

Dereferencing a null pointer has undefined behavior, and it is particularly harmful if a reference is then bound to the result, because a reference is assumed to refer to a valid object. **Noncompliant Code Example** void doSomething(A& a); void f() { A* a = nullptr; doSomething(*a); // Noncompliant Available In: sonarlint sonarcloud sonarqube Developer Edition © 2008-2022 SonarSource S.A., Switzerland. All content is copyright protected. SONAR,

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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
📆 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
📆 Bug
"pthread_mutex_t" should be properly
initialized and destroyed
📆 Bug
"pthread_mutex_t" should not be
```

consecutively locked or unlocked

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