Quick 68 Fix





Flex

Go =GO

5

Java

**JavaScript** 

HTML

Kotlin

Objective C

Kubernetes

PHP

PL/I

PL/SQL

Python

**RPG** 

Ruby

Scala

Swift

Terraform

Text

**TypeScript** 

T-SQL

**VB.NET** 

VB6

**XML** 



ΑII

rules

578

## C++ static code analysis

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

**R** Bug (111)

Hotspot

Tags

o Security

**6** Vulnerability 13 €

"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 🖷 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

📆 Bug

"pthread\_mutex\_t" should be properly

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

initialized and destroyed

"public", "protected" and "private" sections of a class should be Analyze your code declared in that order convention Coding conventions allow teams to work efficiently together. This rule checks that the public section of a class is declared first, followed by the protected section, and ending with the private section. **Noncompliant Code Example** class Point private: String color; protected: public: String getColor(); String setColor(); **}**; **Compliant Solution** class Point public: String getColor(); String setColor(); protected: . . . private: String \_color; Available In: sonarlint sonarcloud sonarqube Developer Edition

**⊗** Code (436)

Search by name...

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I
🖟 Bug
"std::move" and "std::forward" should not be confused
<b>∰</b> 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
<b>ਜ਼ਿ</b> 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
<b>n</b> Bug
Destructors should be "noexcept"
🖟 Bug