Quick 68 Fix





=GO

HTML 5

Go

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



ΑII

rules

578

C++ static code analysis

6 Vulnerability (13)

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

R Bug (111)

o Security

Tags

Hotspot

"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

with constructor arguments

Objects should not be sliced

Immediately dangling references

"pthread_mutex_t" should be properly

"pthread_mutex_t" should not be consecutively locked or unlocked

initialized and destroyed

should not be created

📆 Bug

📆 Bug

📆 Bug

📆 Bug

📆 Bug

📆 Bug

algorithms should not be ignored

Identifiers should not be longer Analyze your code than 31 characters based-on-misra cert In addition to being difficult to use, too-long variable names can limit code portability. The ISO standard requires that variable, type, function and label names be no more than 31 characters long. Note that 31 characters is an upper bound, rather than a length recommendation. Shorter names are better, as long as they're still communicative. **Noncompliant Code Example** int this_is_a_very_long_identifier_that_definitely_should_be_ **Compliant Solution** int reasonable_identifier = 0; See • MISRA C:2004, 5.1 - Identifiers (internal and external) shall not rely on the significance of more than 31 character. • CERT, DCL23-C. - Guarantee that mutually visible identifiers are unique Available In: sonarlint sonarcloud sonarqube Developer Edition

⊗ Code (436)

Search by name...

© 2008-2022 SonarSource S.A., Switzerland. All content is copyright protected. SONAR, SONARSOURCE, SONARLINT, SONARQUBE and SONARCLOUD are trademarks of SonarSource S.A. All other trademarks and copyrights are the property of their respective owners. All rights are expressly reserved. **Privacy Policy**

"std::scoped_lock" should be created "pthread_mutex_t" should be unlocked in the reverse order they were locked

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