



Apex

С

ABAP

C++

CloudFormation

COBOL

C#

CSS

Flex

Go =GO

HTML 5

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



C++ static code analysis

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

⊗ Code (436) Quick 68 Fix ΑII 578 Security Hotspot **R** Bug (111) 6 Vulnerability 13 rules

Tags

"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

Objects should not be sliced

Immediately dangling references

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

"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

Octal and hexadecimal escape Analyze your code sequences should be terminated based-on-misra misra-c2012 pitfall There is potential for confusion if an octal or hexadecimal escape sequence is immediately followed by other characters. Instead, such sequences shall be terminated by either: • The start of another escape sequence. • The end of the character constant or the end of a string literal. **Noncompliant Code Example** const char *s1 = "\x41g"; // Noncompliant int c1 = $'\141t'$; // Noncompliant **Compliant Solution** const char *s2 = $\x 41$ " $\y g$ "; // Compliant - terminated by end const char *s3 = " $x41\\x67$ "; // Compliant - terminated by ano int c2 = '\141\t'; // Compliant - terminated by another escap See • MISRA C:2012, 4.1 - Octal and hexadecimal escape sequences shall be terminated Available In: sonarlint 😊 | sonarcloud 🙆 | sonarqube | Developer Edition

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

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