



APEX Apex

ABAP

c C



CloudFormation

COBOL COBOL

C# C#

css

⊠ Flex

€60 Go

HTML

Java

Js JavaScript

Kotlin

Kubernetes

6 Objective C

PHP

PL/I

PL/SQL

Python

RPG RPG

Ruby

Scala

Swift

Terraform

Text

тs TypeScript

T-SQL

VB VB.NET

VB6 VB6

XML XML



C++ static code analysis

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

All 578 rules Vulnerability 13

R Bug (111)

Security Hotspot

Smell Code

Quick 68 Fix

Analyze your code

Tags

be declared

} str;

See

Available In:

return s2;

struct s *copy (struct s *s1)

Flexible array members should not

Search by name...

"memset" should not be used to delete sensitive data

6 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

<table-of-contents> Bug

Objects should not be sliced

🕀 Bug

Immediately dangling references should not be created

🕀 Bug

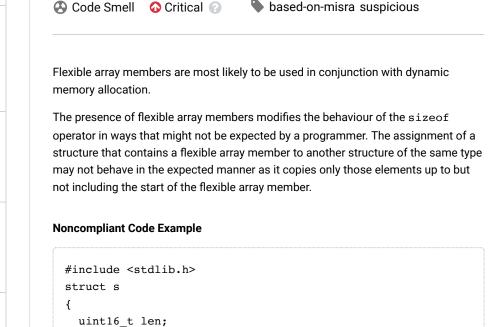
"pthread_mutex_t" should be unlocked in the reverse order they were locked

📆 Bug

"pthread_mutex_t" should be properly initialized and destroyed

📆 Bug

"pthread_mutex_t" should not be consecutively locked or unlocked twice



uint32_t data[]; // Noncompliant - flexible array member

struct s *s2 = malloc (sizeof (struct s) + (s1->len * s

/* Omit malloc () return check for brevity */

• MISRA C:2012, 18.7 - Flexible array members shall not be declared.

sonarlint sonarcloud sonarqube Develop Edition

*s2 = *s1; /* Only copies s1->len */

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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