



ABAP

APEX Apex

C C

C++

CloudFormation

COBOL COBOL

C# C#

e css

US:

X Flex

=GO

HTML

Go

🐇 Java

Js JavaScript

Kotlin

Kubernetes

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

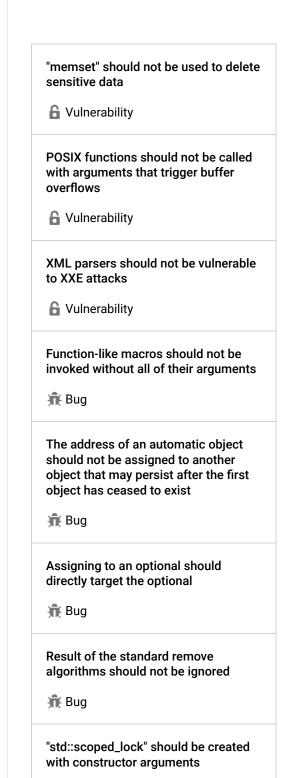
Vulnerability 13

Reg Bug 111

Security 18
Hotspot

Security 18

Tags



📆 Bug

📆 Bug

📆 Bug

📆 Bug

📆 Bug

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

```
Function pointers should not be
                                                    Analyze your code
converted to any other type
                            based-on-misra based
📆 Bug 🔷 Major 🕝
Conversion of a function pointer to a different type of pointer results in undefined
behaviour. This means, for example, that a pointer to a function cannot be converted
to a pointer to a different type of function.
Noncompliant Code Example
  int f(int a)
    float (*p)(float) = (float (*)(float)) & f; // Noncompliant
See
  • MISRA C:2004, 11.1 - Conversions shall not be performed between a pointer to a
    function and any type other than an integral type.

    MISRA C++:2008, 5-2-6 - A cast shall not convert a pointer to a function to any

    other pointer type, including a pointer to function type.
  • MISRA C:2012, 11.1 - Conversions shall not be performed between a pointer to a
    function and any other type
 Available In:
 sonarlint ⊖ | sonarcloud ☆ | sonarqube
```

Search by name...

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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