



Go =GO

5 HTML

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



Objective C static code analysis

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

o Security ⊗ Code (212) O Quick 13 Fix All 315 6 Vulnerability (10) **R** Bug (75) rules Hotspot Tags Search by name...

Available In:

"memset" should not be used to delete sensitive data Vulnerability POSIX functions should not be called with arguments that trigger buffer overflows ■ 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 "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 📆 Bug Functions with "noreturn" attribute

should not return

with no padding

"memcmp" should only be called with pointers to trivially copyable types

Stack allocated memory and nonowned memory should not be freed

Closed resources should not be

Dynamically allocated memory should

📆 Bug

📆 Bug

📆 Bug

accessed

📆 Bug

be released

📆 Bug

Non-standard characters should Analyze your code not occur in header file names in "#include" directives 🛊 Bug 🔷 Major 🕝 🖣 based-on-misra If the ', \, " or /* characters are used between < and > delimiters or the ', \ or /*characters are used between the " delimiters in a header name preprocessing token, then the behavior is undefined. **Noncompliant Code Example** #include <"foo"> // Noncompliant #include "dir\foo.h" // Noncompliant See • MISRA C:2004, 19.2 - Non-standard characters should not occur in header file names in #include directives. • MISRA C++:2008, 16-2-4 - The ', ", /* or // characters shall not occur in a header file name. • MISRA C++:2008, 16-2-5 - The \ character should not occur in a header file name. \bullet MISRA C:2012, 20.2 - The ', " or \ characters and the /* or // character sequences shall not occur in a header file name

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Freed memory should not be used Recursion should not be infinite Bug Recursion should not be infinite Bug Resources should be closed Bug Resources should be closed Code Smell Switch labels should not be nested inside non-switch blocks Code Smell Memory access should be explicitly bounded to prevent buffer overflows Replication should not lead to unexpected behavior at runtime Bug Recursion should not be infinite Security Bug Resources should be closed Code Smell Switch labels should not be nested inside non-switch blocks Code Smell	
Memory locations should not be released more than once	Freed memory should not be used
released more than once ## Bug Memory access should be explicitly bounded to prevent buffer overflows ## Bug Printf-style format strings should not lead to unexpected behavior at runtime ## Bug Recursion should not be infinite ## Bug Resources should be closed ## Bug Hard-coded credentials are security-sensitive ## Security Hotspot "goto" should jump to labels declared later in the same function ## Code Smell Only standard forms of the "defined" directive should be used ## Code Smell Switch labels should not be nested inside non-switch blocks	₩ Bug
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