



Flex

Go =GO

HTML 5 Java

JavaScript

Kotlin

Objective C

Kubernetes

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

All 315 6 Vulnerability (10) rules

R Bug (75)

• Security Hotspot

⊗ Code (212)

O Quick 13 Fix

Tags

int array[10];

array[9] = 0;

Memory Buffer

Available In:

See

char *buffer1 = (char *) malloc(100);

char *buffer2 = (char *) malloc(50);

• MITRE, CWE-131 - Incorrect Calculation of Buffer Size

• MITRE, CWE-788 - Access of Memory Location After End of Buffer

memcpy(buffer2, buffer1, 50);

character data and the null terminator

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"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

📆 Bug

"memcmp" should only be called with pointers to trivially copyable types with no padding

🖷 Bug

Stack allocated memory and nonowned memory should not be freed

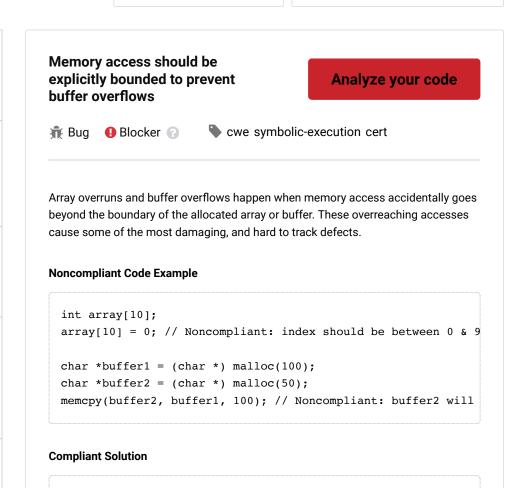
📆 Bug

Closed resources should not be accessed

📆 Bug

Dynamically allocated memory should be released

📆 Bug



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• MITRE, CWE-119 - Improper Restriction of Operations within the Bounds of a

• CERT, ARR30-C. - Do not form or use out-of-bounds pointers or array subscripts

• CERT, STR50-CPP. - Guarantee that storage for strings has sufficient space for

Freed memory should not be used Recard 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 Code Smell	
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