



**ABAP** 

- Арех Арех
- **c** c
- C++
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- PL/SQL PL/SQL
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- **Terraform**
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- VB VB.NET
- VB6 VB6
- XML XML



## **Objective C static code analysis**

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

All 315 rules 

Vulnerability 10 

Bug 75 

Security 18 
Hotspot 

Code 212 
Smell 

Quick 13 
Fix

Tags

"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

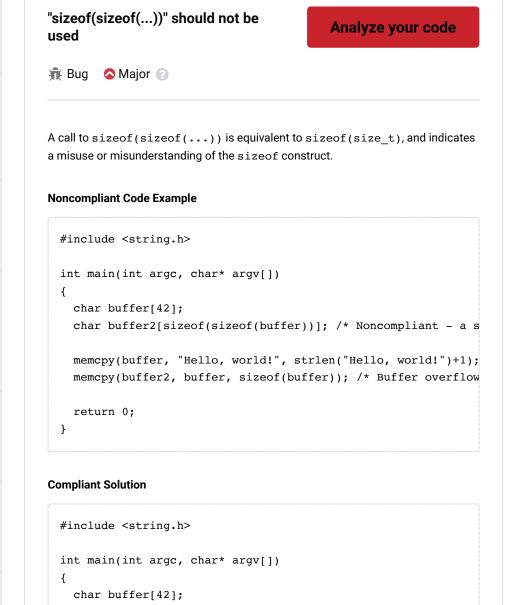
🕦 Bug

Closed resources should not be accessed

📆 Bug

Dynamically allocated memory should be released

📆 Bug



Search by name...

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char buffer2[sizeof(buffer)]; /\* Compliant \*/

memcpy(buffer2, buffer, sizeof(buffer));

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return 0;

Available In:

memcpy(buffer, "Hello, world!", strlen("Hello, world!")+1);

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
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