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Objective C static code analysis

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

See

Available In:

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

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

"pthread_mutex_t" should be properly

initialized and destroyed

🖷 Bug

🖷 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

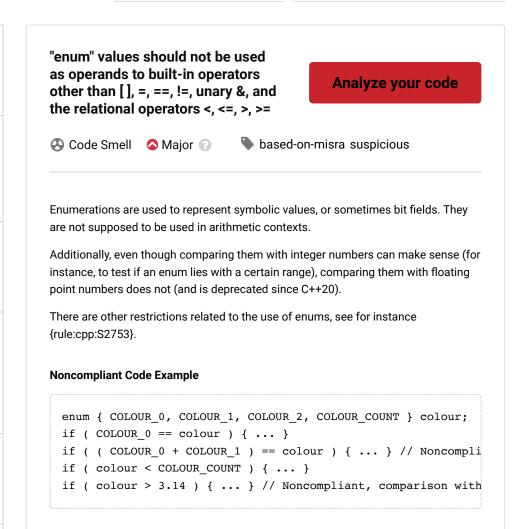
📆 Bug

Closed resources should not be accessed

📆 Bug

Dynamically allocated memory should be released

📆 Bug



Search by name...

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• MISRA C++:2008, 4-5-2 - Expressions with type enum shall not be used as operands to builtin operators other than the subscript operator [], the

and the relational operators <, <=, >, >=

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assignment operator =, the equality operators == and !=, the unary & operator,

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	
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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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