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PHP

PL/I

PL/SQL

Python

RPG

Ruby

Scala

Swift

Text

T-SQL

VB.NET

VB6

XML

Terraform

TypeScript



Objective C static code analysis

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

| All 315 G Vulnerability 10 🐧 | Bug 75 Security Hotspot |
|---|---|
| | Tags |
| "memset" should not be used to delete sensitive data | Enumeration names sh with a naming convent |
| 6 Vulnerability | On do Oncell On Miner |
| POSIX functions should not be called with arguments that trigger buffer overflows | Chandragain a supertion |
| ❸ Vulnerability | Shared naming conventions that all enum names match a |
| Function-like macros should not be invoked without all of their arguments | Noncompliant Code Exampl With default provided regula |
| ₩ Bug | enum someEnumeratio |
| 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 | Compliant Solution |
| "pthread_mutex_t" should be unlocked in the reverse order they were locked | <pre>enum SomeEnumeratio };</pre> |
| ∰ Bug | Available In: |
| "pthread_mutex_t" should be properly initialized and destroyed | sonarcloud <page-header> 🛚 son</page-header> |
| Rug | © 2008-2022 SonarSource S.A |
| "pthread_mutex_t" should not be consecutively locked or unlocked twice | SONARSOURCE, SONARLIN SonarSource S.A. All other trade owners |
| ♣ 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

Closed resources should not be

Dynamically allocated memory should

📆 Bug

accessed

📆 Bug

be released

📆 Bug

| ⊗ | Code Smell • Minor (2) • convention |
|----------|---|
| | ared naming conventions allow teams to collaborate efficiently. This rule checks t all enum names match a provided regular expression. |
| Noı | ncompliant Code Example |
| Wit | h default provided regular expression ^[A-Z][a-zA-Z0-9]*\$: |
| | enum someEnumeration { // Noncompliant |
| Coı | mpliant Solution |
| | enum SomeEnumeration { |

⊗ Code 212

Search by name...

Smell

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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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