Secrets

ABAP

Apex

C

C++

CloudFormation

COBOL

C#

CSS

Flex

Go

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

| All rules | 315 | Vulnerability | 10 | Bug | 75 | Security Hotspot | 18 | Code Smell | 212 | Quick Fix | 13 |

Tags ⌄   Search by name...

"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 non-owned memory should not be freed

🐞 Bug

Closed resources should not be accessed

🐞 Bug

Dynamically allocated memory should be released

🐞 Bug

Track lack of copyright and license headers

Analyze your code

🔄 Code Smell   ❗ Blocker ⓘ

Each source file should start with a header stating file ownership and the license which must be used to distribute the application.

This rule must be fed with the header text that is expected at the beginning of every file.

Compliant Solution

```
/*
 * SonarQube, open source software quality management tool.
 * Copyright (C) 2008-2013 SonarSource
 * mailto:contact AT sonarsource DOT com
 *
 * SonarQube is free software; you can redistribute it and/or
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 * version 3 of the License, or (at your option) any later ve
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 * You should have received a copy of the GNU Lesser General
 * along with this program; if not, write to the Free Softwar
 * Inc., 51 Franklin Street, Fifth Floor, Boston, MA  02110-1
 */
```

Available In:

sonarcloud ☁   sonarqube Developer Edition

Freed memory should not be used

🐞 Bug

Memory locations should not be 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

☢ Code Smell