Code Smell 99





SAP ABAP

Apex Apex

**C** C

C++

CloudFormation

COBOL COBOL

C# C#

CSS

X Flex

**GO** Go

HTML

Java

Js JavaScript

Kotlin

Kubernetes

Objective C

PHP

PL/I

PL/SQL

**Python** 

RPG RPG

Ruby

Scala

Swift

Terraform

Text

TS TypeScript

T-SQL

VB VB.NET

VB6 VB6

XML XML



## **Swift static code analysis**

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

**R** Bug (14)

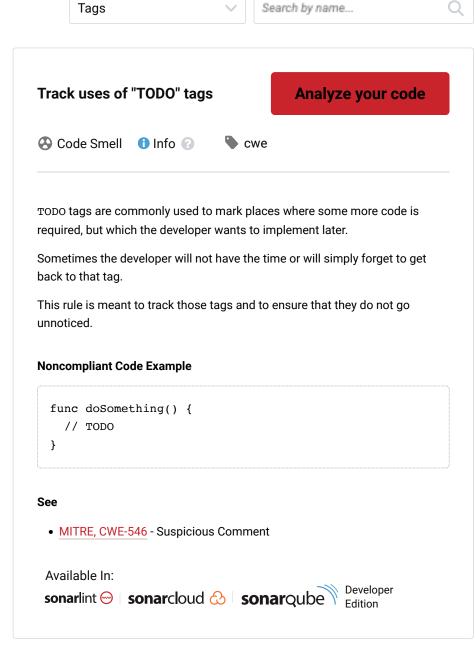
|    | ard-coded credentials are security-<br>ensitive                                            |
|----|--------------------------------------------------------------------------------------------|
|    | Security Hotspot                                                                           |
| b  | lethods and field names should not<br>e the same or differ only by<br>apitalization        |
| Q  | Code Smell                                                                                 |
| С  | ipher algorithms should be robust                                                          |
| 6  | Vulnerability                                                                              |
|    | sing weak hashing algorithms is ecurity-sensitive                                          |
| •  | Security Hotspot                                                                           |
|    | ognitive Complexity of functions<br>hould not be too high                                  |
| Q  | Code Smell                                                                                 |
| "t | ry!" should not be used                                                                    |
| 9  | Code Smell                                                                                 |
| S  | tring literals should not be duplicated                                                    |
| 9  | Code Smell                                                                                 |
|    | unctions and closures should not be<br>mpty                                                |
| Q  | Code Smell                                                                                 |
| _  | ollection elements should not be<br>eplaced unconditionally                                |
| Á  | <b>B</b> Bug                                                                               |
|    | ollection sizes comparisons should<br>nake sense                                           |
| Ą  | i Bug                                                                                      |
| sl | II branches in a conditional structure<br>hould not have exactly the same<br>nplementation |
| Ħ  | i Bug                                                                                      |
|    | nfix operators that end with "=" should                                                    |

update their left operands

Precedence and associativity of standard operators should not be

🛊 Bug

changed



Security Hotspot 3

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| <b>∰</b> Bug                                                                                       |
|----------------------------------------------------------------------------------------------------|
| Return values from functions without side effects should not be ignored                            |
| <b>∰</b> Bug                                                                                       |
| Related "if/else if" statements and<br>"cases" in a "switch" should not have<br>the same condition |
| Rug                                                                                                |
| Identical expressions should not be used on both sides of a binary operator                        |
| 🖟 Bug                                                                                              |
| All code should be reachable                                                                       |
| Rug                                                                                                |
| Loops with at most one iteration should be refactored                                              |
| 🖟 Bug                                                                                              |
| "IBInspectable" should be used correctly                                                           |
|                                                                                                    |
| Functions should not have identical implementations                                                |
|                                                                                                    |
| Ternary operators should not be nested                                                             |
|                                                                                                    |
| Closure expressions should not be nested too deeply                                                |
| Code Smell                                                                                         |
| Backticks should not be used around                                                                |