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

Kotlin static code analysis

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

All rules 98 | 🔓 Vulnerability 10 | 🐛 Bug 17 | 🛡 Security Hotspot 15 | ☢ Code Smell 56

Tags ⌄   Search by name...

Hard-coded credentials are security-sensitive
🛡 Security Hotspot

Cipher algorithms should be robust
🔓 Vulnerability

Encryption algorithms should be used with secure mode and padding scheme
🔓 Vulnerability

Server hostnames should be verified during SSL/TLS connections
🔓 Vulnerability

Server certificates should be verified during SSL/TLS connections
🔓 Vulnerability

Cryptographic keys should be robust
🔓 Vulnerability

Weak SSL/TLS protocols should not be used
🔓 Vulnerability

"SecureRandom" seeds should not be predictable
🔓 Vulnerability

Cipher Block Chaining IVs should be unpredictable
🔓 Vulnerability

Hashes should include an unpredictable salt
🔓 Vulnerability

Regular expressions should be syntactically valid
🐛 Bug

"runFinalizersOnExit" should not be called
🐛 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 to
 * Copyright (C) 2008-2013 SonarSource
 * mailto:contact AT sonarsource DOT com
 *
 * SonarQube is free software; you can redistribute it a
 * modify it under the terms of the GNU Lesser General P
 * License as published by the Free Software Foundation;
 * version 3 of the License, or (at your option) any lat
 *
 * SonarQube is distributed in the hope that it will be
 * but WITHOUT ANY WARRANTY; without even the implied wa
 * MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
 * Lesser General Public License for more details.
 *
 * You should have received a copy of the GNU Lesser Gen
 * along with this program; if not, write to the Free So
 * Inc., 51 Franklin Street, Fifth Floor, Boston, MA  02
 */
```

Available In:

sonarlint ⬡   sonarcloud ⬡ | sonarqube ⌇

"ScheduledThreadPoolExecutor" should not have 0 core threads

🐞 Bug

Jump statements should not occur in "finally" blocks

🐞 Bug

Using clear-text protocols is security-sensitive

🛡 Security Hotspot

Accessing Android external storage is security-sensitive

🛡 Security Hotspot

Receiving intents is security-sensitive

🛡 Security Hotspot

Broadcasting intents is security-sensitive

🛡 Security Hotspot

Using weak hashing algorithms is security-sensitive

🛡 Security Hotspot

Using pseudorandom number generators (PRNGs) is security-sensitive

🛡 Security Hotspot

Empty lines should not be tested with regex MULTILINE flag

☢ Code Smell

Cognitive Complexity of functions should not be too high

☢ Code Smell