

































-  Secrets
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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
"ScheduledThreadPoolExecutor" should not have 0 core threads
 Bug
Jump statements should not occur in

Unnecessary imports should be removed

Analyze your code

 Code Smell

 Minor 

 unused

The imports part of a file should be handled by the Integrated Development Environment (IDE), not manually by the developer.

Unused and useless imports should not occur if that is the case.

Leaving them in reduces the code's readability, since their presence can be confusing.

Noncompliant Code Example

```
package my.company

import kotlin.String           // Noncompliant; "kotlin" cla
import my.company.SomeClass    // Noncompliant; same-package
import java.io.File            // Noncompliant; "File" is no

import my.company2.SomeType

class ExampleClass {

    val someString = ""
    val something = SomeType()

}
```

Compliant Solution

```
package my.company

import java.io.File
import my.company2.SomeType

class ExampleClass {

    val someString = ""
    val something = SomeType()
    lateinit var fileUsage: File











}
```

Exceptions

Imports for types mentioned in KDoc comments are ignored.

Available In:

 |  | 

<div>"finally" blocks</div> <div> Bug</div>
<div>Using clear-text protocols is security-sensitive</div> <div> Security Hotspot</div>
<div>Accessing Android external storage is security-sensitive</div> <div> Security Hotspot</div>
<div>Receiving intents is security-sensitive</div> <div> Security Hotspot</div>
<div>Broadcasting intents is security-sensitive</div> <div> Security Hotspot</div>
<div>Using weak hashing algorithms is security-sensitive</div> <div> Security Hotspot</div>
<div>Using pseudorandom number generators (PRNGs) is security-sensitive</div> <div> Security Hotspot</div>
<div>Empty lines should not be tested with regex MULTILINE flag</div> <div> Code Smell</div>
<div>Cognitive Complexity of functions should not be too high</div> <div> Code Smell</div>
<div>String literals should not be duplicated</div> <div> Code Smell</div>