

-  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

## Boolean literals should not be redundant

Analyze your code

 Code Smell  Minor  clumsy

Redundant Boolean literals should be removed from expressions to improve readability.

### Noncompliant Code Example

```
if (booleanMethod() || false) { /* ... */ }
doSomething(!false);

booleanVariable = if (booleanMethod()) true else false;
booleanVariable = if (booleanMethod()) true else exp;
booleanVariable = if (booleanMethod()) false else exp;
booleanVariable = if (booleanMethod()) exp else true;
booleanVariable = if (booleanMethod()) exp else false;
```

### Compliant Solution

```
if (booleanMethod()) { /* ... */ }
doSomething(true);

booleanVariable = booleanMethod();
booleanVariable = booleanMethod() || exp;
booleanVariable = !booleanMethod() && exp;
booleanVariable = !booleanMethod() || exp;
booleanVariable = booleanMethod() && exp;
```

Available In:  
 |  | 

<div>"ScheduledThreadPoolExecutor" should not have 0 core threads</div> <div> Bug</div>
<div>Jump statements should not occur in "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>