




 Secrets


 ABAP


 Apex


 C


 C++


 CloudFormation


 COBOL


 C#


 CSS


 Flex


 Go


 HTML


 **Java**


 JavaScript


 Kotlin


 Objective C


 PHP


 PL/I


 PL/SQL


 Python


 RPG


 Ruby


 Scala


 Swift


 Terraform


 Text

 TypeScript

 T-SQL

 VB.NET

 VB6

 XML



Java static code analysis

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

- All rules 632
- Vulnerability 53
- Bug 154
- Security Hotspot 36
- Code Smell 389
- Quick Fix 42

Tags ▾

Search by name... 🔍

Abstract class names should comply with a naming convention

Code Smell

Strings literals should be placed on the left side when checking for equality

Code Smell

Files should contain an empty newline at the end

Code Smell

Source code should be indented consistently

Code Smell

A close curly brace should be located at the beginning of a line

Code Smell

Close curly brace and the next "else", "catch" and "finally" keywords should be on two different lines

Code Smell

Close curly brace and the next "else", "catch" and "finally" keywords should be located on the same line

Code Smell

An open curly brace should be located at the beginning of a line

Code Smell

An open curly brace should be located at the end of a line

Code Smell

Tabulation characters should not be used

Code Smell

Functions should not be defined with a variable number of arguments

Code Smell

"java.time" classes should be used for dates and times

Analyze your code

Code Smell

Major ?

java8 pitfall

The old, much-derided Date and Calendar classes have always been confusing and difficult to use properly, particularly in a multi-threaded context. JodaTime has long been a popular alternative, but now an even better option is built-in. Java 8's JSR 310 implementation offers specific classes for:

Class	Use for
LocalDate	a date, without time of day, offset, or zone
LocalTime	the time of day, without date, offset, or zone
LocalDateTime	the date and time, without offset, or zone
OffsetDate	a date with an offset such as +02:00, without time of day, or zone
OffsetTime	the time of day with an offset such as +02:00, without date, or zone
OffsetDateTime	the date and time with an offset such as +02:00, without a zone
ZonedDateTime	the date and time with a time zone and offset
YearMonth	a year and month
MonthDay	month and day
Year/MonthOfDay/DayOfWeek/...	classes for the important fields
DateTimeFields	stores a map of field-value pairs which may be invalid
Calendrical	access to the low-level API
Period	a descriptive amount of time, such as "2 months and 3 days"

Noncompliant Code Example

```
Date now = new Date(); // Noncompliant
DateFormat df = new SimpleDateFormat("dd.MM.yyyy");
Calendar christmas = Calendar.getInstance(); // Noncompliant
christmas.setTime(df.parse("25.12.2020"));
```

Compliant Solution

```
LocalDate now = LocalDate.now(); // gets calendar date. no
LocalTime now2 = LocalTime.now(); // gets current time. no d
LocalDate christmas = LocalDate.of(2020,12,25);
```

Available In:

sonarlint | sonarcloud | sonarqube

<div>Local-Variable Type Inference should be used</div> <div> Code Smell</div>
<div>Migrate your tests from JUnit4 to the new JUnit5 annotations</div> <div> Code Smell</div>
<div>Track uses of disallowed classes</div> <div> Code Smell</div>
<div>Track uses of "@SuppressWarnings" annotations</div> <div> Code Smell</div>

© 2008-2022 SonarSource S.A., Switzerland. All content is copyright protected. SONAR, SONARSOURCE, SONARLINT, SONARQUBE and SONARCLOUD are trademarks of SonarSource S.A. All other trademarks and copyrights are the property of their respective owners. All rights are expressly reserved.  
[Privacy Policy](#)