




 Secrets


 ABAP


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 PL/SQL


 Python


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 Terraform


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## Java static code analysis

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

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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

Loggers should be "private static final" and should share a naming convention

Analyze your code

Code Smell

Minor ?

convention

Regardless of the logging framework in use (logback, log4j, commons-logging, java.util.logging, ...), loggers should be:

- private: never be accessible outside of its parent class. If another class needs to log something, it should instantiate its own logger.
- static: not be dependent on an instance of a class (an object). When logging something, contextual information can of course be provided in the messages but the logger should be created at class level to prevent creating a logger along with each object.
- final: be created once and only once per class.

Noncompliant Code Example

With a default regular expression of LOG (? :GER) ? :

```
public Logger logger = LoggerFactory.getLogger(Foo.class);
```

Compliant Solution

```
private static final Logger LOGGER = LoggerFactory.getLogger
```

Exceptions

Variables of type org.apache.maven.plugin.logging.Log are ignored.

Available In:

sonarlint

sonarcloud

sonarqube

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https://rules.sonarsource.com/java/RSPEC-1312

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<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>