




 Secrets


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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

Members of Spring components should be injected

Analyze your code

Vulnerability Critical spring owasp

Spring `@Component`, `@Controller`, `@Service`, and `@Repository` classes are singletons by default, meaning only one instance of the class is ever instantiated in the application. Typically such a class might have a few static members, such as a logger, but all non-static members should be managed by Spring. That is, they should have one of these annotations: `@Resource`, `@Inject`, `@Autowired` or `@Value`.

Having non-injected members in one of these classes could indicate an attempt to manage state. Because they are singletons, such an attempt is almost guaranteed to eventually expose data from User1's session to User2.

This rule raises an issue when a singleton `@Component`, `@Controller`, `@Service`, or `@Repository`, not annotated with `@ConfigurationProperties`, has non-static members that are not annotated with one of:

- `org.springframework.beans.factory.annotation.Autowired`
- `org.springframework.beans.factory.annotation.Value`
- `javax.annotation.Inject`
- `javax.annotation.Resource`

Noncompliant Code Example

```
@Controller
public class HelloWorld {

    private String name = null;

    @RequestMapping("/greet", method = GET)
    public String greet(String greetee) {

        if (greetee != null) {
            this.name = greetee;
        }

        return "Hello " + this.name; // if greetee is null, you
    }
}
```

See

- [OWASP Top 10 2017 Category A3](#) - Sensitive Data Exposure





Available In:

sonarlint | sonarcloud | sonarqube

https://rules.sonarsource.com/java/RSPEC-3749

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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>