

O problema mais grave detetado pelo SonarQube é que, no ficheiro de propriedades, guardei as credenciais de acesso a um e-mail real que envia mensagens reais. Esse e-mail e essa parte do código foram feitos **apenas para testes e aprendizagem**; para simplificar, o e-mail foi criado exclusivamente para estes testes e **não** está associado a nenhuma conta privada.

No restante, as classes que desenvolvi apresentam algumas melhorias de código, mas, em particular, nos métodos que usam **try/catch** e **Serializable**, uma vez que, aquando da implementação, o código **não funcionava de outra forma**.

The screenshot displays the SonarCloud web interface for a project named 'walking-skeleton-ista'. The main section is titled 'Main Branch Summary' and shows the following details:

- Quality Gate:** **Passed** (indicated by a green checkmark).
- Lines of Code:** 1.4k.
- Security:** 1 Open Issues (Grade E).
- Reliability:** 2 Open Issues (Grade C).
- Maintainability:** 47 Open Issues (Grade A).
- Accepted Issues:** 0.
- Coverage:** 0.0%. A message states: 'A few extra steps are needed for SonarQube Cloud to analyze your code coverage. [Set up coverage analysis](#)'.
- Duplications:** 0.0%. A message states: 'No conditions set on 1.9k Lines'.
- Security Hotspots:** 1.

The interface also includes a sidebar with navigation options like 'Overview', 'Main Branch', 'Pull Requests', and 'Branches'. At the bottom, there is a footer with copyright information and links to various policies and documentation.

walking-skeleton-ista Project

Public

Overview

Main Branch

Pull Requests

Branches

Summary Issues Security Hotspots Measures Code Activity

Project Overview

Security

Overview

New Code

Vulnerabilities 0

Rating A

Remediation Effort 0

Overall Code

Vulnerabilities 1

Rating E

Remediation Effort 1h

Reliability

Maintainability

Security Review

walking-skeleton-ista > src > main > resources > application.properties

New code: since previous version

```
1 no-req. server.port=${PORT:8080}
2 logging.level.org.atmosphere=warn
3 725628. app.auth.username
4 app.auth.pass=senha123
5 no-req.
6 # Launch the default browser when starting the application in development mode
7 vaadin.launch-browser=true
8
9 725628. spring.mail.host=smt.gmail.com
10 spring.mail.port=587
11 spring.mail.username=lolikkotovich@gmail.com
12 spring.mail.password=loppetsezoerz9
13 spring.mail.properties.mail.smtp.auth=true
14 spring.mail.properties.mail.smtp.starttls.enable=true
15 spring.mail.from=lolikkotovich@gmail.com
16
17
18 725628. # == H2 em ficheiro (persistente) ==
19 spring.datasource.url=jdbc:h2:file:./data/tasksdb;DB_CLOSE_DELAY=-1;AUTO_SERVER=TRUE;MODE=PostgreSQL
20 spring.datasource.driver-class-name=org.h2.Driver
21 spring.datasource.username=sa
22 spring.datasource.password=
23
24 # Console h2 (opcional)
25 spring.h2.console.enabled=true
26 spring.h2.console.path=/h2-console
27
28 # JPA cria/atualiza o esquema (já tens isto)
29
30 725628.
31
32 no-req. # To improve the performance during development.
33 # For more information https://vaadin.com/docs/latest/flow/integrations/spring/configuration#special-configuration-parameters
34 vaadin.allowed-packages=con.vaadin.org.vaadin.com.Flowingcode.con.example
35
36 # Let Hibernate update the schema automatically or create it if it does not exist.
```

walking-skeleton-ista Project

Public

Overview

Main Branch

Pull Requests

Branches

Summary Issues Security Hotspots Measures Code Activity

Filters

Clear All Filters

Software quality 1

Security 1

Reliability 2

Maintainability 47

Add to selection

Severity

Blocker 0

High 15

Medium 23

Low 5

Info 4

Code attribute

Type

Type Severity

Status

Security Category

Open Not assigned L16 0min effort 20 days ago Code Smell Info

src/_examplefeature/pdffiles/GenerarPdfView.java

Make non-static "taskService" transient or serializable. Intentionality

Maintainability High cwe serialization

Open Not assigned L31 30min effort 13 days ago Code Smell Critical

Make non-static "pdfService" transient or serializable. Intentionality

Maintainability High cwe serialization

Open Not assigned L32 30min effort 13 days ago Code Smell Critical

Use a primitive boolean expression here. Intentionality

Maintainability Low pitfall

Open Not assigned L71 5min effort 13 days ago Code Smell Minor

Define a constant instead of duplicating this literal "tarefa" 3 times. Adaptability

Maintainability High design

Open Not assigned L72 8min effort 13 days ago Code Smell Critical

Refactor this method to reduce its Cognitive Complexity from 16 to the 15 allowed. Adaptability

Maintainability High architecture brain-overload

Open Not assigned L78 6min effort 13 days ago Code Smell Critical

Extract this nested ternary operation into an independent statement. Intentionality

Maintainability Medium confusing