

# SpotBugs

Práticas e reflexões sobre contribuição em FLOSS

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## Section 1

Quais as principais características do projeto OSS escolhido?

- Realiza a análise estática para identificar bugs em códigos Java.
- Links:
  - ▶ Repo: <https://github.com/spotbugs/spotbugs/>
  - ▶ Website: <https://spotbugs.github.io/>
  - ▶ User doc: <https://spotbugs.readthedocs.io/en/latest/>

# Motivação para a seleção do projeto

- Tecnologias utilizadas:
  - ▶ Desenvolvido na linguagem Java.
  - ▶ Uso da biblioteca Java Parser para realizar a análise estática.
- Suporte a newcomers:
  - ▶ O repositório possui issues com label “good first issue”.
  - ▶ Hacktoberfest

## Section 2

### Reconhecimento técnico

# Há quanto tempo o projeto existe?

- Migração do projeto FindBugs 3.0.1 para o SpotBugs 3.1.0.
- FindBugs:
  - ▶ Criado em Março de 2003 e arquivado em Março de 2015
  - ▶ Repo: <https://sourceforge.net/projects/findbugs>
- SpotBugs:
  - ▶ Criado em Junho de 2014 e continua ativo.

# Qual a licença do projeto?

- FindBugs e SpotBugs utilizam a licença LGPL-2.1.
- Para outros artefatos (e.g., imagens), os projetos utilizam a licença CC BY-NC-SA.

# Qual o tamanho do projeto?

- Qtde de linhas: 188576
- Qtde de classes: 4565
- Qtde de contribuidores: 116
- Qtde de forks: 405
- Qtde de estrelas: 2.5K

Versão	# Classes	# Linhas	# Métodos
1.3.9	3713	148677	14642
2.0.0	4478	201910	19742
<b>3.0.1</b>	<b>4842</b>	<b>224727</b>	<b>20512</b>
<b>3.1.0</b>	<b>4465</b>	<b>186344</b>	<b>17548</b>
4.3.0	4548	187723	17793
4.4.1	4565	188576	17858




## Section 3

### Documentação do projeto

# Quais os tipos de documentação existentes?

- Usuário:
  - ▶ <https://spotbugs.readthedocs.io/en/stable/>
- Contribuidores:
  - ▶ <https://github.com/spotbugs/spotbugs/tree/master/.github>

# Como contribuir com a documentação do projeto?

 README.md

---

## SpotBugs manual

---

docs

passing

This repository hosts official SpotBugs manual built by [Sphinx](#).

### How to build

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We provide a `Dockerfile` and a script file to build documents. After installation of `docker 1.13.1` or later, simply kick `./build.sh` then it will build Docker image and run commands in it. You can find generated HTML pages under `.build/html` directory.

### How to deploy changes to manual site

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To deploy changes to manual site, just merge your changes to `master` branch then it will be deployed to [latest page](#).

### How to configure Read the Docs

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When you need maintainer access to Read the Docs, please contact with [@KengoTODA](#).

### How to add supported languages


For each supported language, We need independent ReadTheDocs project like below:

Figure 1: Guidelines para contribuir com a documentação

# Minha contribuição

## Document how to integrate Find Security Bugs + FB-Contrib into Maven & Gradle plugins #540

New issue

 Closed jacek99 opened this issue on 19 Jan 2018 · 8 comments



jacek99 commented on 19 Jan 2018



The front page states we can integrate the find-security-bugs & fb-contrib, but there is zero docs on how to actually do this from the Maven & Gradle plugins.

Pls document, especially the find-security-bugs since it's critical as a SAST tool.



Assignees

No one assigned

Labels

documentation

good first issue



luana-martins commented on 18 Oct

Contributor



Hi, I would like to contribute to the project. Is this issue still open? Let me know if I can help. Thanks!



ThrawnCA commented on 18 Oct

Contributor



Well, <https://spotbugs.readthedocs.io/en/latest/maven.html#add-spotbugs-maven-plugin-to-your-pom-xml> doesn't say anything about how to configure plugins, although @iloveclipse was correct in saying it doesn't take very much configuration. So yes, it's still open.



KengoTODA commented 21 days ago

Member



#1758 closed this issue.

Figure 2: Guidelines para contribuir com a documentação<sup>1</sup>

<sup>1</sup>PR: <https://github.com/spotbugs/spotbugs/pull/1758>

## Section 4

### Internacionalização do projeto

# O projeto está preparado para a internacionalização?

- Há partes do projeto preparadas para tradução (“internationalization” - I18N)?
  - ▶ Documentação do usuário ReadTheDocs - Inglês e Japonês
- Há uma equipe fazendo tradução para Português do Brasil (pt-br)?
  - ▶ Sim. Sempre que surgir alguma modificação na documentação, serei marcada.

# Minha contribuição

Translation of SpotBugs manual #1786

 **luana-martins** on 1 Nov · 1 answer


 Answered by KengoTODA

[Return to top](#)

You're receiving notifications because you were mentioned.

- [Transfer discussion](#)
- 🕒 [Create issue from discussion](#)

## Events

 **luana-martins** Marked an Answer 25d



**KengoTODA** on 1 Nov · [Maintainer](#)

Thanks for your contribution, [@luana-martins](#)! 🙌

I've created a ReadTheDocs project [spotbugs-pt-br](#), and added it as a [translation for spotbugs](#). I'll fix when I found more TODOs to support a new translation.

I have a request: when you submit a PR, please update the following part in `docs/build.sh` to build `.po` files even for Brazilian Portuguese:

[spotbugs/docs/build.sh](#)

Lines 9 to 10 in 636799d

```
9 # build .po files by new .pot files
10 docker run -it -v $(pwd)/../docs:spotbugs-sphinx sphinx-intl update -p .build/locale -l ja
```

It helps us to keep `.po` files updated. Thanks in advance!

**Note: Settings of the spotbugs-pt-br project**

Figure 3: Criação de um ReadTheDocs independente<sup>2</sup>

<sup>2</sup>Discussão: <https://github.com/spotbugs/spotbugs/discussions/1786>

# Minha contribuição

## Add RTD translation to Brazilian Portuguese (PT-BR) #1796

Edit <> Code

Merged KengoTODA merged 25 commits into `spotbugs:master` from `luana-martins:master` 22 days ago

Conversation 6 Commits 25 Checks 3 Files changed 22

+16,608 -0



luana-martins commented 27 days ago

Contributor

Add RTD translation to Brazilian Portuguese (PT-BR).  
I'm still working on the translation of detectors.po and bugDescriptions.po.

Make sure these boxes are checked before submitting your PR -- thank you!

☒ Added an entry into `CHANGELOG.md` if you have changed SpotBugs code



luana-martins and others added 21 commits last month



Create po files

bfdcc9

Reviewers

KengoTODA

Assignees

No one assigned

Labels

None yet

Projects

None yet



KengoTODA commented 22 days ago

Member

@luana-martins Thanks for your contribution! We are going to release this document in the coming 4.5.0 release.

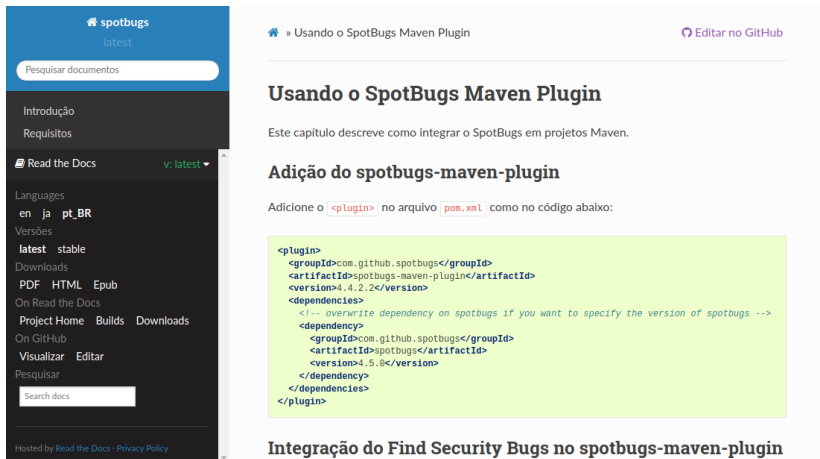
Probably I will mention you when we got some issues reported about this translation, please help me if possible.

Figure 4: Tradução de arquivos<sup>3</sup>

<sup>3</sup><https://github.com/spotbugs/spotbugs/pull/1796>



# Minha contribuição



The screenshot displays the ReadTheDocs website for the SpotBugs project. The sidebar on the left contains navigation links for 'Introdução', 'Requisitos', 'Read the Docs' (with a version dropdown set to 'v: latest'), 'Languages' (listing 'en', 'ja', and 'pt\_BR'), 'Versões' (listing 'latest' and 'stable'), 'Downloads' (listing 'PDF', 'HTML', and 'Epub'), 'On Read the Docs', 'Project Home', 'Builds', 'Downloads', 'On GitHub', 'Visualizar', 'Editar', and 'Pesquisar' (with a search box). The main content area is titled 'Usando o SpotBugs Maven Plugin' and includes a link to 'Editar no GitHub'. Below the title, it states 'Este capítulo descreve como integrar o SpotBugs em projetos Maven.' and 'Adição do spotbugs-maven-plugin'. A code block shows the XML configuration for the plugin in a `pom.xml` file, including a dependency on SpotBugs version 4.5.0. The footer of the page indicates 'Integração do Find Security Bugs no spotbugs-maven-plugin'.

spotbugs  
latest

Pesquisar documentos

Introdução  
Requisitos

Read the Docs v: latest

Languages  
en ja pt\_BR

Versões  
latest stable

Downloads  
PDF HTML Epub

On Read the Docs  
Project Home Builds Downloads

On GitHub  
Visualizar Editar

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» Usando o SpotBugs Maven Plugin [Editar no GitHub](#)

## Usando o SpotBugs Maven Plugin

Este capítulo descreve como integrar o SpotBugs em projetos Maven.

### Adição do spotbugs-maven-plugin

Adicione o `<plugin>` no arquivo `pom.xml` como no código abaixo:

```
<plugin>  
  <groupId>com.github.spotbugs</groupId>  
  <artifactId>spotbugs-maven-plugin</artifactId>  
  <version>4.4.2</version>  
  <dependencies>  
    <!-- overwrite dependency on spotbugs if you want to specify the version of spotbugs -->  
    <dependency>  
      <groupId>com.github.spotbugs</groupId>  
      <artifactId>spotbugs</artifactId>  
      <version>4.5.0</version>  
    </dependency>  
  </dependencies>  
</plugin>
```

### Integração do Find Security Bugs no spotbugs-maven-plugin

Figure 5: Criação de um ReadTheDocs independente<sup>4</sup>

<sup>4</sup>RTD [PT-BR]: [https://spotbugs.readthedocs.io/pt\\_BR/latest/maven.html](https://spotbugs.readthedocs.io/pt_BR/latest/maven.html)

## Section 5

### Issue tracker

# Como seu projeto utiliza “issue tracker”?

- Qual a ferramenta de issue tracker usada em seu projeto?
  - ▶ As issues ficam no repositório do SpotBugs no GitHub.
- Qual o número de issues:
  - ▶ Total: 810
  - ▶ Abertas: 393
  - ▶ Resolvidas: 417
- Em 2021:
  - ▶ Total: 24
  - ▶ Abertas: 14
  - ▶ Resolvidas: 10

## Section 6

Valeu a pena?