



UNIVERSIDADE ZUMBI DOS PALMARES
INSTITUIÇÃO COMUNITÁRIA DE ENSINO SUPERIOR
SÃO PAULO • BRASIL

DEVOPS

Roteiro de Aula

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Tema: Exemplo prático com Sonar

Acessar <https://sonarcloud.io/>

Create an organization

An organization is a space where a team or a whole company can collaborate across many projects.

 Import an organization from GitHub

Just testing? You can [create an organization manually](#)

- Definir o nome para a organização e observar a **Key** gerada, pois ela será usada mais a frente.
- Na escolha dos planos escolha o Free plan

2 Choose a plan

☒ Free plan 0 €

All projects you analyze will be public.

Anyone can browse source code.

All code that has changed since the previous version bump is considered new code

☐ Paid plan from 10 € / month

✓ Unlimited private projects

✓ Strict control over who can view your private data

✓ No commitments, cancel anytime

✓ 14 days free trial.

[Learn more](#) 

- Em **Projects** escolha a opção **Analyze a new project**



No projects here yet

But your organization is all set, you can start analyzing code here!

[Analyze a new project](#)

- Defina o **Display Name** e o **Project Key** (observar este campo, pois será usado mais a frente)

Analyze projects

Select repositories from one of your GitHub organization.



Manual setup is not recommended, and leads to missing features like appropriate setup of your project or analysis feedback in the Pull Request. We recommend to [import your projects](#)

Organization

DevopsImpacta

[Create another organization](#)

Display Name * ?

DevopsImpacta

Up to 255 characters

Project Key * ?

devopsimpacta_devopsimpacta

Up to 400 characters. All letters, digits, dash, underscore, period or colon.

Project visibility

☒ Public

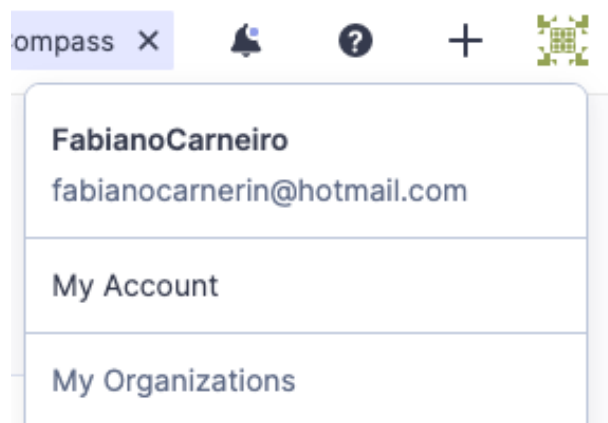
Anyone will be able to browse your source code and see the result of your analysis.

☐ Private **PAID PLAN**

Only members of the organization will be able to browse your source code and see the result of your analysis.

Next

- Gerar um **Token** para ser usado no Github
- No menu do canto direito e clicar em **My Account**.



- No **Generate Tokens** defina um token com o nome **SONAR_TOKEN**

Generate Tokens

Generate Token

✓ New token "SONAR_TOKE" has been created. Make sure you copy it now, you won't be able to see it again!

8f8d350b5e731dc1b68e3e285198cdb8a7f17374 

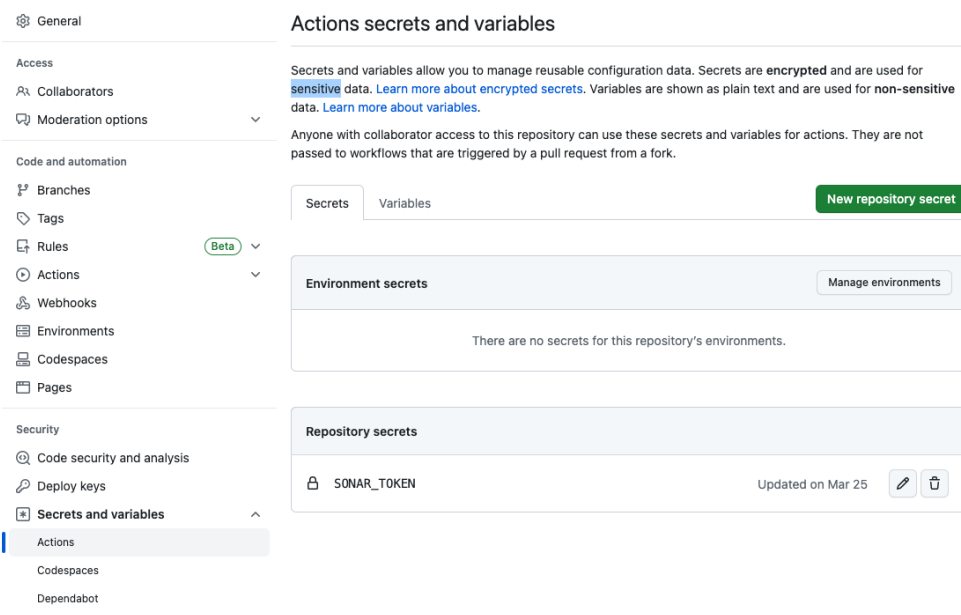
- Copie e salve o token criado para inserir no Github

1) Configurar projeto do Github

- Configurar o Token do Sonar no projeto
- Acessar as configurações do seu projeto



- Selecione a opção **Security > Secrets and variables**
- Selecione a opção **New repository secret** do lado direito da tela.
- Crie uma nova secret chamada **SONAR_TOKEN** e insira a chave gerada no Sonarcloud.



- No arquivo pom.xml

develop	5 branches	0 tags	Go to file	Add file	Code
This branch is 55 commits ahead, 6 commits behind main.					
Contribute					
FabianoCarneiro Update pipeline.yml ✓ 65858f9 3 days ago 61 commits					
.github/workflows	Update pipeline.yml	3 days ago			
src	Update DemoApplicationTests.java	3 weeks ago			
target/site/jacoco	Initial commit	last month			
README.md	Initial commit	last month			
mvnw	Initial commit	last month			
mvnw.cmd	Initial commit	last month			
pom.xml	Update pom.xml	3 weeks ago			
system.properties	Initial commit	last month			

- Alterar o código abaixo para definir o nome da organização criada no Sonarcloud.

```
<properties>
<java.version>11</java.version>
<sonar.organization>sua organização</sonar.organization>
<sonar.host.url>https://sonarcloud.io</sonar.host.url>
</properties>
```

- Na sessão Actions
- Alterar o arquivo Pipeline.yml para incluir o trecho após o “job” **unit-test**, conforme listagem abaixo:

```
code-analysys:
  runs-on: ubuntu-latest
  needs: build

  steps:
    - uses: actions/checkout@v2
      with:
        fetch-depth: 0
    - name: Set up JDK 11
      uses: actions/setup-java@v1
      with:
        java-version: 11
    - name: Cache SonarCloud packages
      uses: actions/cache@v1
      with:
        path: ~/.sonar/cache
        key: ${runner.os}-sonar
        restore-keys: ${runner.os}-sonar
    - name: Cache Maven packages
      uses: actions/cache@v1
      with:
        path: ~/.m2
        key: ${runner.os}-m2-${hashFiles('**/pom.xml')}
        restore-keys: ${runner.os}-m2
    - name: Build and analyze
```

```
env:
  GITHUB_TOKEN: ${ secrets.GITHUB_TOKEN } # Needed to get PR
information, if any
  SONAR_TOKEN: ${ secrets.SONAR_TOKEN }
run: mvn -B verify org.sonarsource.scanner.maven:sonar-maven-plugin:sonar -
Dsonar.projectKey= seu projeto
```

Obs: o parametro **Dsonar.projectKey** é o que foi configurado no projeto criado no Sonarcloud.

- Acompanhar a execução da action na sessão **Actions** e após a finalização acessar o resultado da análise no Sonar.

