



Git e GitHub



O que é GIT?

Git é uma ferramenta grátis e open-source que você usa para controlar as versões do código-fonte do seu projeto.

Ele permite que cada pessoa faça suas alterações e depois combine com as dos outros desenvolvedores, ou seja, cada colaborador do projeto fica com uma cópia do código “chefe” que também serve como um repositório que guarda todo o histórico das versões existentes.



Termos principais

- Repositório - local e remoto;
- Commits;
- Branch;
- Master/Main;
- Working Directory;
- Staging;
- Origin.



Comandos principais

- `git init;`
- `git clone;`
- `git status;`
- `git add .;`
- `git commit;`
- `git checkout -b <nomeBranch>;`
- `git checkout <nome da branch de destino>;`
- `git push` ou `git push origin master;`
- `git pull` ou `git pull origin master.`



O que é GitHub?

GitHub é uma plataforma para gerenciar seu código e criar um ambiente de colaboração entre devs, utilizando o Git como sistema de controle.

Iniciando um novo repositório localmente

MINGW64:/c/Users/amanda.santos/Documents/RepositorioZero

```
amanda.santos@ZWC7WR8G3 MINGW64 ~/Documents/RepositorioZero
$ git init
Initialized empty Git repository in C:/Users/amanda.santos/Documents/RepositorioZero/.git/

amanda.santos@ZWC7WR8G3 MINGW64 ~/Documents/RepositorioZero (master)
$ touch Receita.txt

amanda.santos@ZWC7WR8G3 MINGW64 ~/Documents/RepositorioZero (master)
$ git add Receita.txt

amanda.santos@ZWC7WR8G3 MINGW64 ~/Documents/RepositorioZero (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   Receita.txt

amanda.santos@ZWC7WR8G3 MINGW64 ~/Documents/RepositorioZero (master)
$ git commit -m "primeiro commit"
[master (root-commit) f4eab01] primeiro commit
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 Receita.txt

amanda.santos@ZWC7WR8G3 MINGW64 ~/Documents/RepositorioZero (master)
$ git status
On branch master
nothing to commit, working tree clean

amanda.santos@ZWC7WR8G3 MINGW64 ~/Documents/RepositorioZero (master)
$ git branch -M "main"

amanda.santos@ZWC7WR8G3 MINGW64 ~/Documents/RepositorioZero (main)
$ git remote add origin https://github.com/AmandaSantos11/Repositorio_Um.git

amanda.santos@ZWC7WR8G3 MINGW64 ~/Documents/RepositorioZero (main)
$ git push -u origin main
warning: ----- SECURITY WARNING -----
warning: | TLS certificate verification has been disabled! |
warning: -----
warning: HTTPS connections may not be secure. See https://aka.ms/gcm/tlsverify for
more information.
warning: ----- SECURITY WARNING -----
warning: | TLS certificate verification has been disabled! |
```


Subindo um arquivo de texto para o repositório remoto

AmandaSantos11 / Repositorio_Um Public

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main 1 branch 0 tags Go to file Add file Code

AmandaSantos11 primeiro commit f4eab01 9 minutes ago 1 commit

Receita.txt primeiro commit 9 minutes ago

Help people interested in this repository understand your project by adding a README. Add a README

Clonando um repositório e subindo um arquivo para o mesmo

```
milena.alcantara@ZWBC13XG3 MINGW64 ~  
$ cd Documentos  
  
milena.alcantara@ZWBC13XG3 MINGW64 ~/Documentos  
$ git clone https://github.com/Milena-Alcantara/Git.git  
Cloning into 'Git'...  
warning: You appear to have cloned an empty repository.  
  
milena.alcantara@ZWBC13XG3 MINGW64 ~/Documentos  
$ cd Git  
  
milena.alcantara@ZWBC13XG3 MINGW64 ~/Documentos/Git (main)  
$ git push origin main
```




```
milena.alcantara@ZWBC13XG3 MINGW64 ~/Documentos/Git (main)
$ touch img.jpg



milena.alcantara@ZWBC13XG3 MINGW64 ~/Documentos/Git (main)
$ git add .










milena.alcantara@ZWBC13XG3 MINGW64 ~/Documentos/Git (main)
$ git commit -m "Primeiro commit"
[main (root-commit) 2b392a4] Primeiro commit
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 img.jpg




milena.alcantara@ZWBC13XG3 MINGW64 ~/Documentos/Git (main)
$ git push origin main
warning: ----- SECURITY WARNING -----
warning: | TLS certificate verification has been disabled! |
warning: -----
warning: HTTPS connections may not be secure. See https://aka.ms/gcm/tlsverify f
or more information.
warning: ----- SECURITY WARNING -----
warning: | TLS certificate verification has been disabled! |
warning: -----
warning: HTTPS connections may not be secure. See https://aka.ms/gcm/tlsverify f
or more information.
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 237 bytes | 237.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Milena-Alcantara/Git.git
* [new branch]      main -> main
```






 Milena-Alcantara / **Git** Public


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 main ▾  1 branch  0 tags

Go to file Add file ▾  **Code** ▾

 **Milena-Alcantara** Primeiro commit 2b392a4 3 minutes ago  1 commit

 **img.jpg** Primeiro commit 3 minutes ago

DÚVIDAS?

