

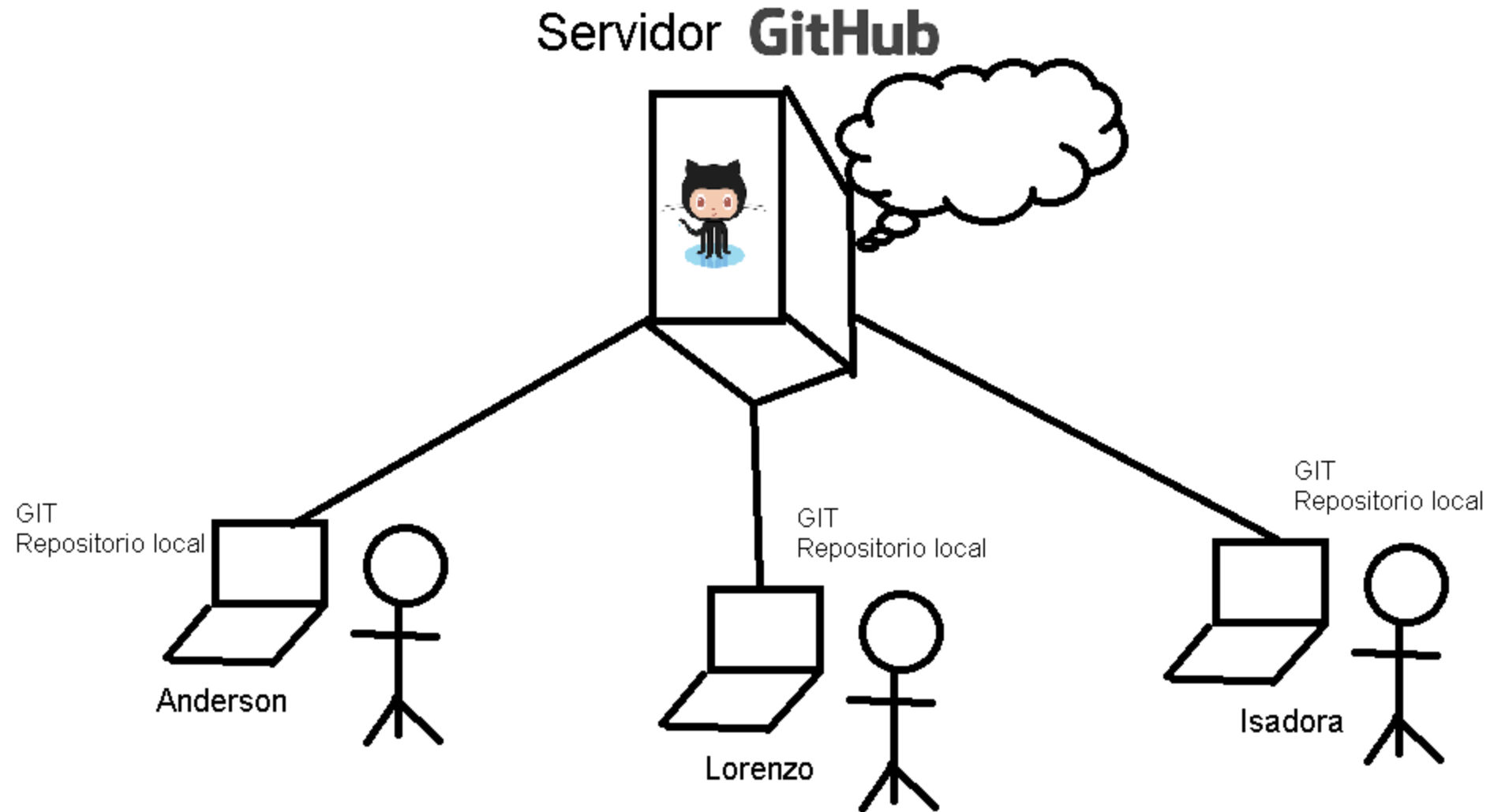




GIT and GIT HUB

Controle de versões de código

Para que serve o GIT





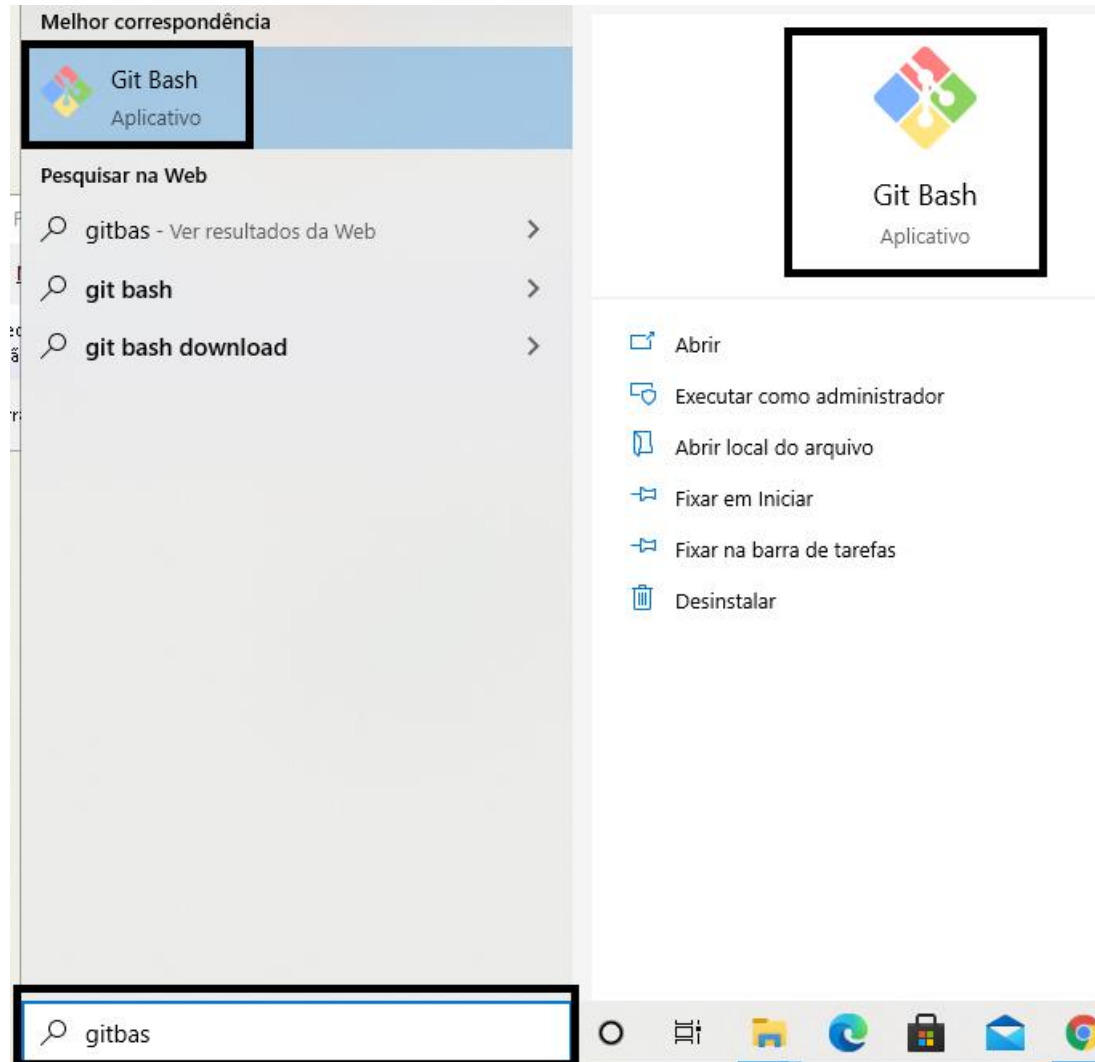
Como instalar o GIT

- ❑ Entrar no google digitar download GIT

A screenshot of the Git website homepage. The header features the Git logo (a red diamond with a white branching diagram) and the text 'git --fast-version-control'. To the right is a search bar with the placeholder text 'Search entire site...'. The left sidebar contains navigation links: 'About', 'Documentation', 'Downloads' (highlighted in red), 'GUI Clients', 'Logos', and 'Community'. Below these links is a box stating 'The entire Pro Git book written by Scott Chacon and Ben Straub is available to'. The main content area is titled 'Downloads' and features three download options: 'Mac OS X' with an Apple logo, 'Windows' with a Windows logo, and 'Linux/Unix' with a Linux logo. Below these options, a text block states 'Older releases are available and the Git source repository is on GitHub.' To the right of the download options is a large monitor displaying the text 'Latest source Release 2.29.0', 'Release Notes (2020-10-19)', and a button that says 'Download 2.29.0 for Windows'.



Acessando o console do GIT BASH




```
CA Prompt de Comando
C:\Users\abarb>git --version
git version 2.25.0.windows.1
C:\Users\abarb>
```

Git --version
Validar versão



Acessando um repositório local

Após abrir o GIT BASH navegue com o comando `cd` até a pasta desejada

 MINGW64:/c/Users/abarb

```
E2E Treinamentos@AndersonBarbosa MINGW64 ~  
$ cd Documents/Repositorio|
```

Para visualizar o que tem dentro da pasta utilize o comando `ls`

```
E2E Treinamentos@AndersonBarbosa MINGW64 ~  
$ cd Documents/Repositorio  
  
E2E Treinamentos@AndersonBarbosa MINGW64 ~/Documents/Repositorio  
$ ls  
final/
```



Inicializando um repositório GIT

Comando para criar uma nova pasta

MINGW64:/c/Users/abarb/Documents

```
E2E Treinamentos@AndersonBarbosa MINGW64 ~/Documents
$ mkdir NovaPasta|
```

Comando para iniciar um repositório GIT

```
E2E Treinamentos@AndersonBarbosa MINGW64 ~/Documents/NovaPasta
$ git init
Initialized empty Git repository in C:/Users/abarb/Documents/NovaPasta/.git/

E2E Treinamentos@AndersonBarbosa MINGW64 ~/Documents/NovaPasta (master)
$ |
```



Configurando o git user.name

Comando para configurar o user.name

```
E2E Treinamentos@AndersonBarbosa MINGW64 ~/Documents/NovaPasta (master)
$ git config --global user.name "Anderson Barbosa"
```

Comando para visualizar a configuração

```
E2E Treinamentos@AndersonBarbosa MINGW64 ~/Documents/NovaPasta (master)
$ git config user.name
Anderson Barbosa
```




Configurando o git user.email

Comando para configurar o user.email

```
E2E Treinamentos@AndersonBarbosa MINGW64 ~/Documents/NovaPasta (master)
$ git config --global user.email "anderson.barbosa@e2etreinamentos.com.br"
```

Comando para visualizar a configuração

```
E2E Treinamentos@AndersonBarbosa MINGW64 ~/Documents/NovaPasta (master)
$ git config user.email
anderson.barbosa@e2etreinamentos.com.br
```



Adicionando arquivos no repositório

Agora estamos monitorando o arquivo incluído no repositório.

```
E2E Treinamentos@AndersonBarbosa MINGW64 ~/Documents/NovaPasta (master)
$ git add teste.txt

E2E Treinamentos@AndersonBarbosa MINGW64 ~/Documents/NovaPasta (master)
$ git status
On branch master

No commits yet

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

Agora para salvarmos precisamos dar um git commit -m "mensagem descritiva"

```
E2E Treinamentos@AndersonBarbosa MINGW64 ~/Documents/NovaPasta (master)
$ git commit -m "inclusao de arquivo teste.txt"
[master (root-commit) c79dbbd] inclusao de arquivo teste.txt
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 teste.txt
```



Alterando o arquivo

Comando para visualizar as alterações no repositório git log

```
E2E Treinamentos@AndersonBarbosa MINGW64 ~/Documents/NovaPasta (master)
$ git log
commit c79dbbde71cfe2a5fc6dec14c0c6e246837366b8 (HEAD -> master)
Author: Anderson Barbosa <anderson.barbosa@e2etreinamentos.com.br>
Date:   Wed Oct 21 17:07:45 2020 -0300

    inclusao de arquivo teste.txt
```

Alterar o arquivo e dar um git status, será apresentado que você tem uma alteração

```
E2E Treinamentos@AndersonBarbosa MINGW64 ~/Documents/NovaPasta (master)
$ git status
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   teste.txt

no changes added to commit (use "git add" and/or "git commit -a")

E2E Treinamentos@AndersonBarbosa MINGW64 ~/Documents/NovaPasta (master)
$ |
```



Commit após alteração

Realizar um novo commit na alteração, não será possível porque não add alteração

```
E2E Treinamentos@AndersonBarbosa MINGW64 ~/Documents/NovaPasta (master)
$ git commit -m "primeira alteração no arquivo "
On branch master
Changes not staged for commit:
      modified:   teste.txt

no changes added to commit
```

Podemos usar o comando git add . Para adicionar todos os documentos, após adicionar fazer novamente o git commit

```
E2E Treinamentos@AndersonBarbosa MINGW64 ~/Documents/NovaPasta (master)
$ git add .

E2E Treinamentos@AndersonBarbosa MINGW64 ~/Documents/NovaPasta (master)
$ git commit -m "primeira alteração no arquivo"
[master 859f23b] primeira alteração no arquivo
1 file changed, 1 insertion(+)
```



Visualizando o histórico com as alterações

Novamente com git log é possível visualizar as alterações

```
E2E Treinamentos@AndersonBarbosa MINGW64 ~/Documents/NovaPasta (master)
$ git log
commit 859f23b13562a1e4e0450b678a5aa82b7c7a37a9 (HEAD -> master)
Author: Anderson Barbosa <anderson.barbosa@e2etreinamentos.com.br>
Date:   Wed Oct 21 17:13:08 2020 -0300

    primeira alteração no arquivo

commit c79dbbde71cfe2a5fc6dec14c0c6e246837366b8
Author: Anderson Barbosa <anderson.barbosa@e2etreinamentos.com.br>
Date:   Wed Oct 21 17:07:45 2020 -0300

    inclusao de arquivo teste.txt
```

Agora temos uma alteração no repositório, use o comando git status



Visualizando todas as alterações

Use o comando git log -p

MINGW64:/c/Users/abarb/Documents/NovaPasta

```
E2E Treinamentos@AndersonBarbosa MINGW64 ~/Documents/NovaPasta (master)
$ git log -p
commit 859f23b13562a1e4e0450b678a5aa82b7c7a37a9 (HEAD -> master)
Author: Anderson Barbosa <anderson.barbosa@e2etreinamentos.com.br>
Date:   Wed Oct 21 17:13:08 2020 -0300

    primeira alteração no arquivo

diff --git a/teste.txt b/teste.txt
index e69de29..bb8abfc 100644
--- a/teste.txt
+++ b/teste.txt
@@ -0,0 +1 @@
+teste
\ No newline at end of file

commit c79dbbde71cfe2a5fc6dec14c0c6e246837366b8
Author: Anderson Barbosa <anderson.barbosa@e2etreinamentos.com.br>
Date:   Wed Oct 21 17:07:45 2020 -0300

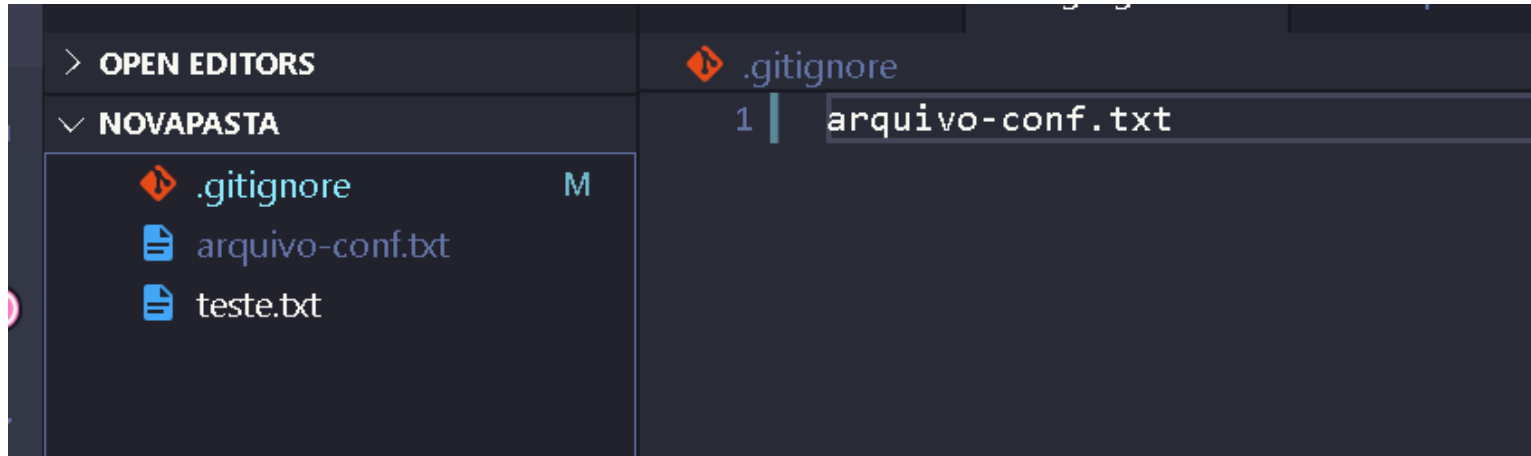
    inclusao de arquivo teste.txt

diff --git a/teste.txt b/teste.txt
new file mode 100644
index 0000000..e69de29
```



Ignorando arquivos

Criar um novo arquivo e dar o comando git status



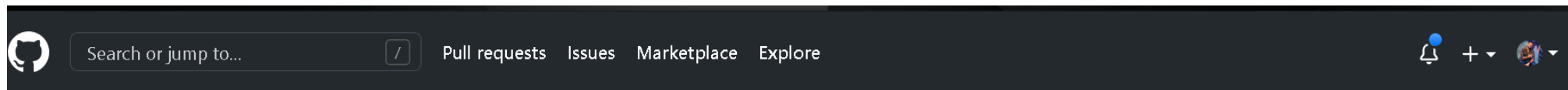
```
E2E Treinamentos@AndersonBarbosa MINGW64 ~/Documents/NovaPasta (master)
$ git status
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   .gitignore

no changes added to commit (use "git add" and/or "git commit -a")
```



Criar uma conta no GIT HUB


Criar na opção de criar um repositório e deixar public



Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere?
[Import a repository.](#)

Owner *

 b9anderson ▾

Repository name *

/ exemploGit ✓

Great repository names are short and memorable. Need inspiration? How about [studious-sniffle?](#)

Description (optional)

aula de git



Public

Anyone on the internet can see this repository. You choose who can commit.



Private

You choose who can see and commit to this repository.



Criar uma conta no GIT HUB

Conectando o nosso repositório local com o gituhb

```
E2E Treinamentos@AndersonBarbosa MINGW64 ~/Documents/NovaPasta (master)
$ git remote add origin https://github.com/b9anderson/exemploGit.git
```


```
E2E Treinamentos@AndersonBarbosa MINGW64 ~/Documents/NovaPasta (master)
$ git branch -M main



E2E Treinamentos@AndersonBarbosa MINGW64 ~/Documents/NovaPasta (main)
$ git push -u origin main
Enumerating objects: 12, done.
Counting objects: 100% (12/12), done.
Delta compression using up to 4 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (12/12), 1.02 KiB | 346.00 KiB/s, done.
Total 12 (delta 0), reused 0 (delta 0)
To https://github.com/b9anderson/exemploGit.git
 * [new branch]      main -> main
Branch 'main' set up to track remote branch 'main' from 'origin'.

E2E Treinamentos@AndersonBarbosa MINGW64 ~/Documents/NovaPasta (main)
```




Projeto no git hub


 Search or jump to... / Pull requests Issues Marketplace Explore

 b9anderson / **exemploGit**  Unw

[<> Code](#) [! Issues](#) [🔗 Pull requests](#) [▶ Actions](#) [📁 Projects](#) [📖 Wiki](#) [🛡 Security](#) [📈 Insights](#) [⚙ Settings](#)


[🔑 main ▾](#) [🔑 1 branch](#) [🏷 0 tags](#) [Go to file](#) [Add file ▾](#) [↓ Code ▾](#)

 e2etreinamentos inclusao do git ignore 0e1a071 12 minutes ago ⌚ 4 commits

 .gitignore

inclusao do git ignore

12 minutes ago

 teste.txt

primeira alteraçã no arquivo

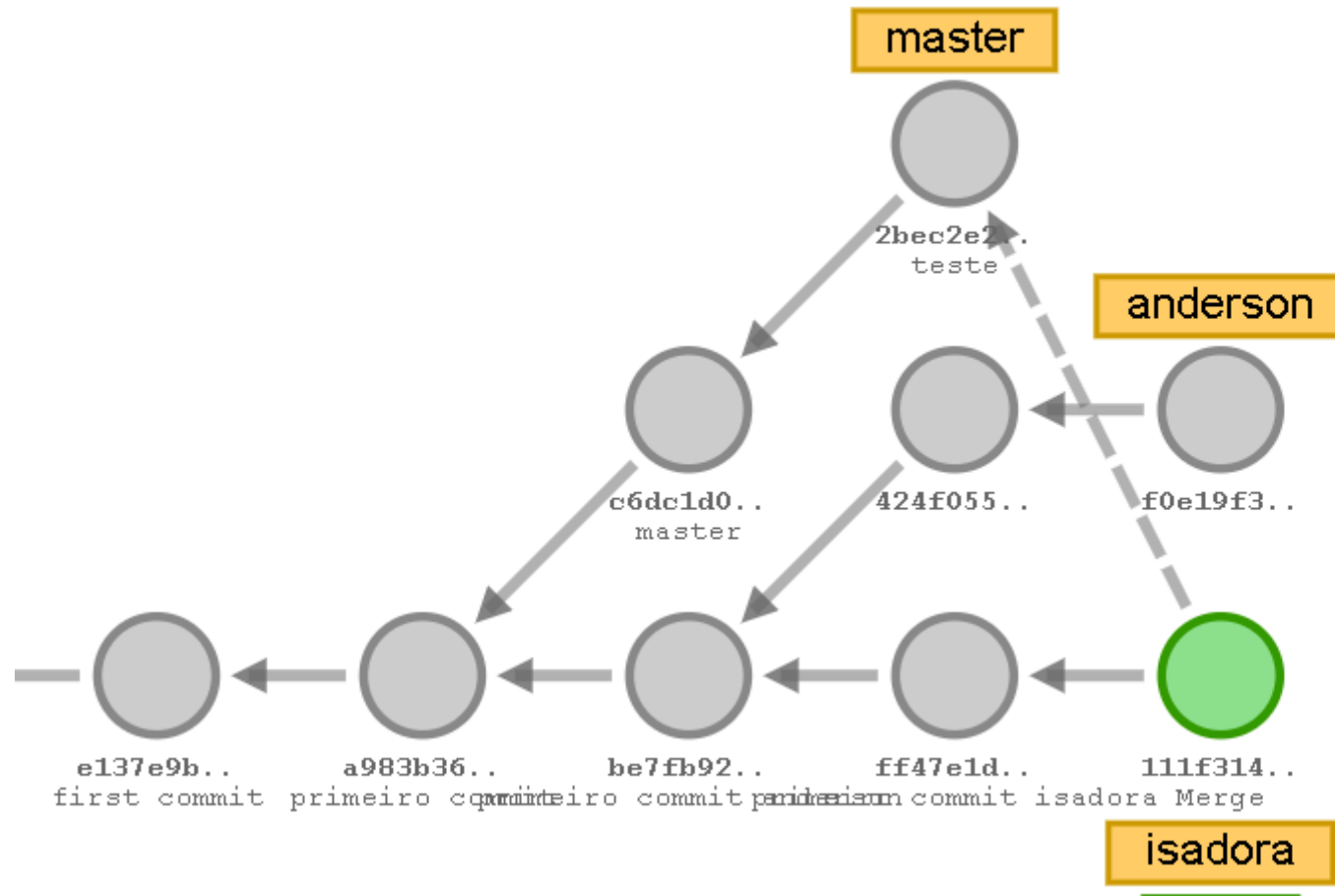
35 minutes ago

Help people interested in this repository understand your project by adding a README. [Add a README](#)



Branch no github

<https://git-school.github.io/visualizing-git/>





Git Rebase

```
$ git checkout -b anderson
$ git commit -m '
$ git commit -m ""
$
$ E2E Treinamentos@AndersonBarbosa MINGW64 ~/Documents/NovaPasta (main)
$ git push origin main
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 297 bytes | 297.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To https://github.com/b9anderson/exemploGit.git
   0e1a071..747354f  main -> main

E2E Treinamentos@AndersonBarbosa MINGW64 ~/Documents/NovaPasta (main)
$ |
```

e137e9b..
first commit

0fc6e9d..

715cb2d..

e196b72..

anderson

master

HEAD



GIT PUSH

```
E2E Treinamentos@AndersonBarbosa MINGW64 ~/Documents/NovaPasta (main)
```

```
$ git push origin main
```

```
Enumerating objects: 5, done.
```

```
Counting objects: 100% (5/5), done.
```

```
Delta compression using up to 4 threads
```

```
Compressing objects: 100% (2/2), done.
```

```
Writing objects: 100% (3/3), 297 bytes | 297.00 KiB/s, done.
```

```
Total 3 (delta 0), reused 0 (delta 0)
```

```
To https://github.com/b9anderson/exemploGit.git
```

```
0e1a071..747354f main -> main
```

```
E2E Treinamentos@AndersonBarbosa MINGW64 ~/Documents/NovaPasta (main)
```

```
$ |
```



Criar uma branch

```
E2E Treinamentos@AndersonBarbosa MINGW64 ~/Documents/NovaPasta (main)
$ git checkout -b teste
Switched to a new branch 'teste'

E2E Treinamentos@AndersonBarbosa MINGW64 ~/Documents/NovaPasta (teste)
$ git branch
List
main
* teste

E2E Treinamentos@AndersonBarbosa MINGW64 ~/Documents/NovaPasta (teste)
$ git push origin teste
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 334 bytes | 334.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
remote:
remote: Create a pull request for 'teste' on GitHub by visiting:
remote:   https://github.com/b9anderson/exemploGit/pull/new/teste
remote:
To https://github.com/b9anderson/exemploGit.git
 * [new branch]      teste -> teste
```



Atualizar a nova branch

```
E2E Treinamentos@AndersonBarbosa MINGW64 ~/Documents/NovaPasta (teste)
$ git push origin teste
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 334 bytes | 334.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
remote:
remote: Create a pull request for 'teste' on GitHub by visiting:
remote:   https://github.com/b9anderson/exemploGit/pull/new/teste
remote:
To https://github.com/b9anderson/exemploGit.git
 * [new branch]      teste -> teste
```




Fazer pull request

Label issues and pull requests for new contributors

[Dismiss](#)

Now, GitHub will help potential first-time contributors [discover issues](#) labeled with [good first issue](#)

 **Anderson** had recent pushes 27 minutes ago

[Compare & pull request](#)

Filters ▾

🔍 is:pr is:open

 **Labels** 9

 **Milestones** 0

[New pull request](#)

☐  **0 Open** ☒ **2 Closed**

Author ▾

Label ▾

Projects ▾

Milestones ▾

Reviews ▾

Assignee ▾

Sort ▾



