

Git e Github



Olá!

Eu sou Lucas Soares

Técnico em programação de jogos pelo NAVE Rio, graduando em ciência da computação pela Unicarioca. Desenvolvedor back-end na Zoop, time de especialistas, instrutor de programação na Crescere. Consultor de aplicações e infraestrutura de projetos. Organizador, comunidades, eventos, entusiasta da cultura DevOps, DevSecOps e segurança da informação.

Byteme, Folha Dirigida, Bilheteria Digital, Zoop, Crescere e outros projetos por aí...

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Zoop <> GDG



crescere

1

GIT

Diferente de Github?



GIT

- ▶ Criado por Linus
- ▶ Gerenciamento de versão
- ▶ Diferente de GitHub

Não depende do GitHub



► GitHub

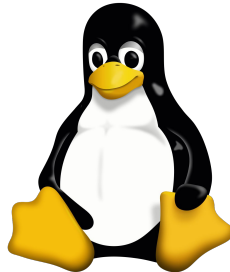
- ▶ Repositório remoto
- ▶ Diferente do Git
- ▶ Mais utilizado atualmente

Comprado pela Microsoft recentemente



Booom

Linus criou o GIT enquanto criava o
Linux



Como o GIT funciona?

- ▶ Através de um controle de mudanças nos arquivos versionados pelo sistema **GIT**.
- ▶ É possível encontrar as diferenças e outras informações.



► Utilizando GIT

Interface

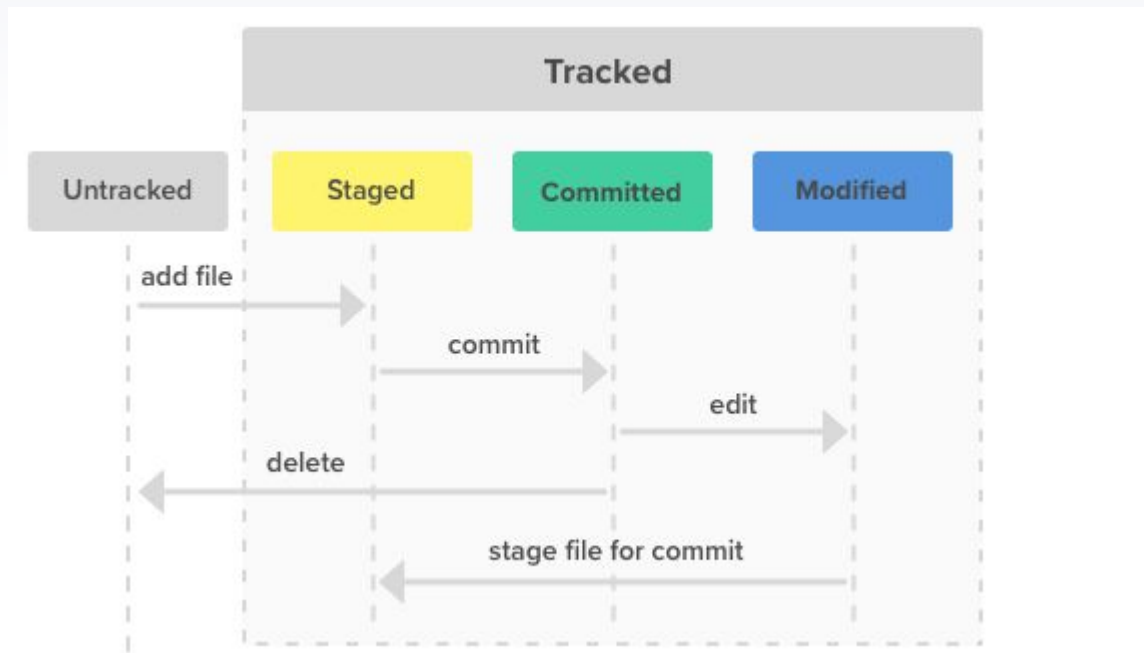
Aplicações que disponibilizam um ambiente gráfico para uso do GIT

Terminal

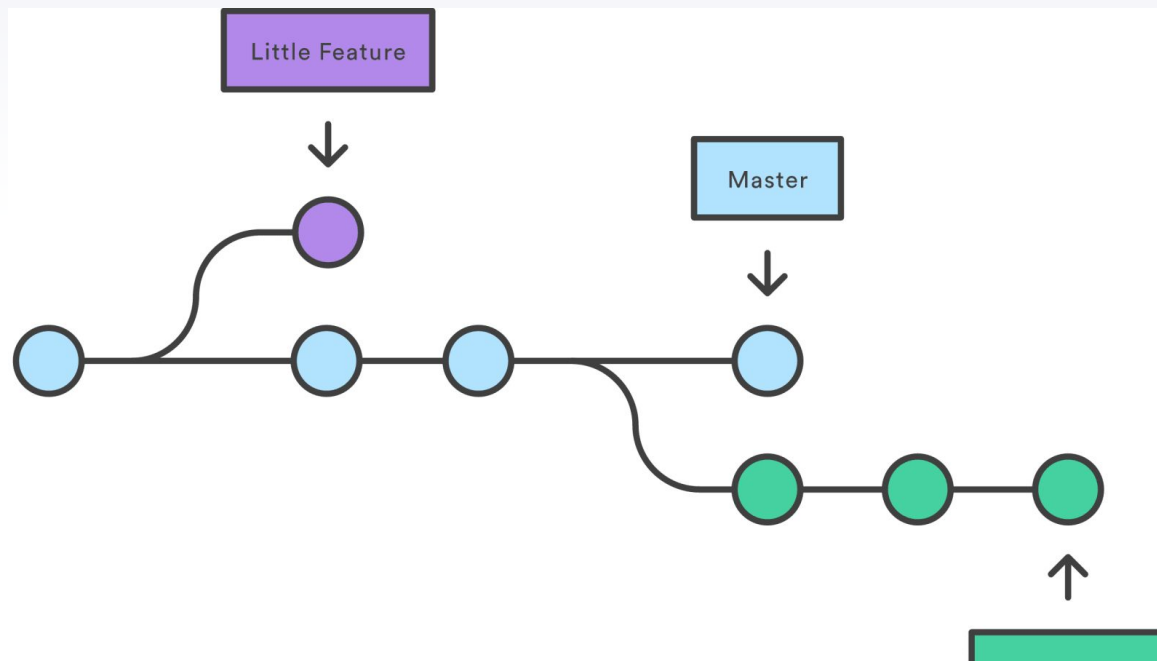
Aplicação que disponibiliza comandos para uso do GIT



Git Stages



Git Branch



Git Branch

NOTÍCIAS

GitHub substituirá 'master' por 'main' a partir do próximo mês

Todos os novos repositórios Git no GitHub serão chamados de "principal" em vez de "mestre" a partir de 1º de outubro de 2020.



Por Claylon Martins 20/09/2020, 16:30



O suposto código-fonte vazou por meio de um commit na seção DMCA do GitHub.

Comandos

In case of fire



1. git commit



2. git push



3. leave the building

GitHub GIT CHEAT SHEET

Git is the free and open source distributed version control system that's responsible for everything GitHub related that happens locally on your computer. This cheat sheet features the most important and commonly used Git commands for easy reference.

INSTALLATION & GUIs

With platform specific installers for Git, GitHub also provides the ease of staying up-to-date with the latest releases of the command line tool while providing a graphical user interface for day-to-day interaction, review, and repository synchronization.

GitHub for Windows

<https://windows.github.com>

GitHub for Mac

<https://mac.github.com>

For Linux and Solaris platforms, the latest release is available on the official Git web site.

Git for All Platforms

<http://git-scm.com>

SETUP

Configuring user information used across all local repositories

```
git config --global user.name "[firstname lastname]"
```

set a name that is identifiable for credit when review version history

```
git config --global user.email "[valid-email]"
```

set an email address that will be associated with each history marker

```
git config --global color.ui auto
```

set automatic command line coloring for Git for easy reviewing

SETUP & INIT

Configuring user information, initializing and cloning repositories

STAGE & SNAPSHOT

Working with snapshots and the Git staging area

```
git status
```

show modified files in working directory, staged for your next commit

```
git add [file]
```

add a file as it looks now to your next commit (stage)

```
git reset [file]
```

unstage a file while retaining the changes in working directory

```
git diff
```

diff of what is changed but not staged

```
git diff --staged
```

diff of what is staged but not yet committed

```
git commit -m "[descriptive message]"
```

commit your staged content as a new commit snapshot

BRANCH & MERGE

Isolating work in branches, changing context, and integrating changes

```
git branch
```

list your branches. a * will appear next to the currently active branch

```
git branch [branch-name]
```

create a new branch at the current commit

```
git checkout
```

switch to another branch and check it out into your working directory

In case of fire



1. git commit



2. git push



3. leave the building

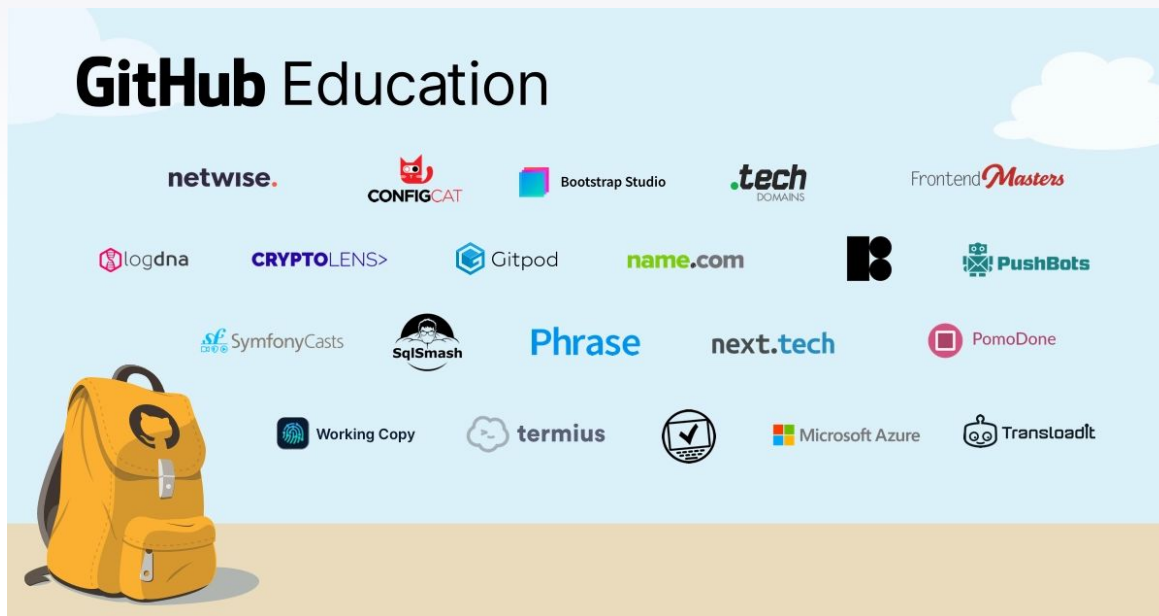


► Github Student



GitHub
Student Developer Pack

► Github Student



► Github Lab



GitHub Learning Lab

How a Learning Lab course works

► Github Lab

Our most popular courses

Introduction to GitHub

■ ■ The GitHub Training Team

If you are looking for a quick and fun introduction to GitHub, you've found it. This class will get you started using GitHub in less than an hour.

● Git ● GitHub Pages ● Branches
● Commits ● Pull Requests

GitHub Actions: Hello World

■ ■ The GitHub Training Team

Create a GitHub Action and use it in a workflow.

● GitHub Actions ● Workflows
● Hello World

Communicating using Markdown

■ ■ The GitHub Training Team

This course will walk you through everything you need to start organizing ideas and collaborating using Markdown, a lightweight language for text formatting.

● GitHub ● Markdown

Learning should be fun

There are no simulations or boring tutorials here, just hands-on lessons created with ❤️ by the GitHub community and taught by the friendly Learning Lab bot.



Real projects

Learn new skills while working in your own copy of a real project.



Helpful bot

Our friendly bot provides instructions and feedback throughout your journey.



Real workflow

Everything happens in GitHub Issues and Pull Requests.

Our Learning Paths

First Day on GitHub

■ ■ The GitHub Training Team

First Week on GitHub

■ ■ The GitHub Training Team

DevOps with GitHub Actions

► Meetup

 GDG Rio de Janeiro



Obrigado!

Dúvidas?

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