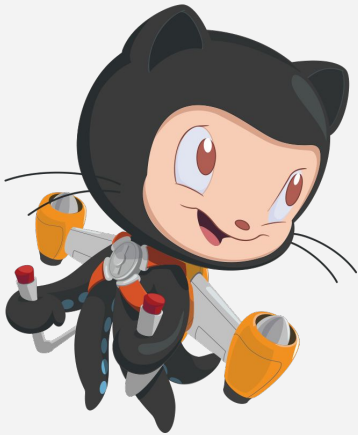


GIT & GITHUB NA PRÁTICA

Desenvolvimento para aplicações para a web II

Sumário



Criador do GIT

O git foi desenvolvido inicialmente por Linus Torvalds (criador do linux), pela necessidade de ter um software capaz de controlar a versão do Kernel do linux.



GIT

- Git é um sistema de controle de versões distribuído, usado principalmente no desenvolvimento de software, mas pode ser usado para registrar o histórico de edições de qualquer tipo de arquivo.

GitHub

- GitHub é uma plataforma de hospedagem de código-fonte e arquivos com controle de versão usando o Git.
- O GitHub permite que programadores, utilitários ou qualquer usuário cadastrado na plataforma contribuam em projetos e/ou Open Source de qualquer lugar do mundo.

Instalação do Git no Linux

```
$ sudo apt-get install git-all
```

Download do Git.

Gerar chave SSH

```
ssh-keygen -t ed25519 -C  
"your_email@example.com"
```

Cria uma nova chave SSH.

> Generating public/private algorithm key pair.

> Enter a file in which to save the key
(/home/you/.ssh/algorithm): [Press enter]

> Enter passphrase (empty for no passphrase):
[Type a passphrase]
> Enter same passphrase again: [Type
passphrase again]

Colocar a chave SSH no GitHub

```
$ cd ~/.ssh/
```

Criando pasta do projeto.



```
$ cat id_rsa.pub
```

Entrando na pasta do projeto.

No GitHub

Perfil > settings > (no menu) SSH and GPG Keys > New SSH Key > Coloque o título e a chave ssh.

Iniciando o Projeto

```
$ mkdir projeto
```



```
graph TD; A["$ mkdir projeto"] --> B["$ cd projeto"]; B --> C["$ git init"];
```

Criando pasta do projeto.

```
$ cd projeto
```

Entrando na pasta do projeto.

```
$ git init
```

Iniciando o git no projeto.

Configurando o usuário

```
$ git config user.name "usuário"
```

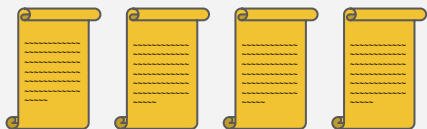
Inserir o usuário.



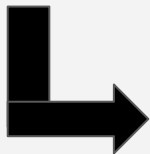
```
$ git config user.email "email@email.com"
```

Inserir o email.

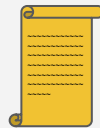
Adicionado arquivos



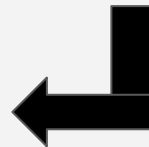
```
$ git add .
```



```
$ git status
```



```
$ git add arquivo
```



Brach

```
$ git branch main
```

Cria uma branch do seu projeto.

Checkout

```
$ git checkout main
```

Entra na branch principal.

Commit

```
$ git commit -m "commit inicial"
```

Checkpoint do seu projeto.

Push

```
$ git push origin main
```

Envia o branch atual para um branch principal.

Push



Você acaba de subir o seu projeto para o GitHub.

Recapitulando

```
$ mkdir projeto
```

```
$ cd projeto
```

```
$ git init
```

Iniciando o projeto.

Config. o usuário.

```
$ git config user.name  
"usuário"
```

```
$ git config user.email  
"email@email.com"
```

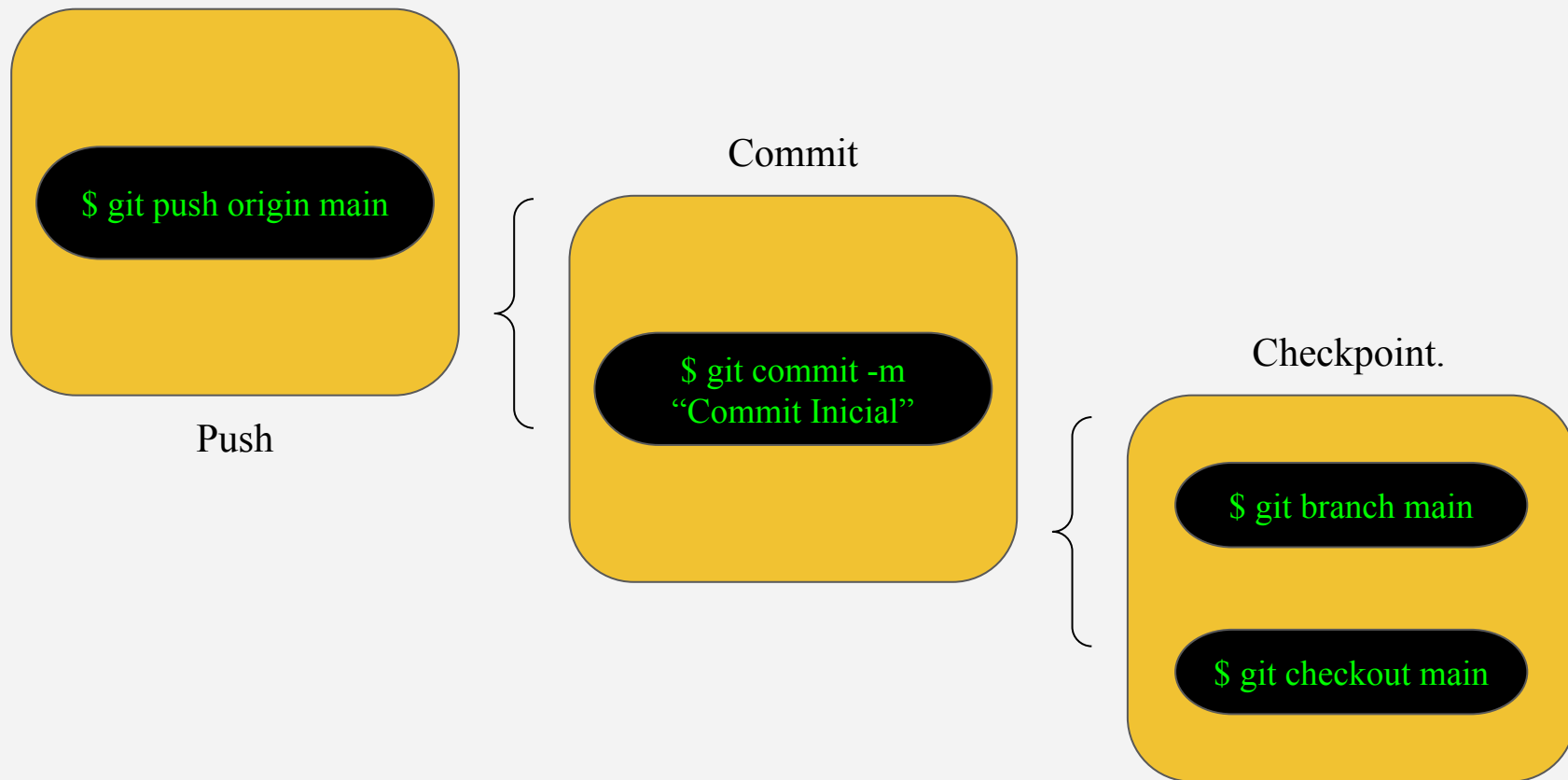
Adicionando Arquivos.



```
$ git add .
```

```
$ git status
```

Recapitulando



Reverter um commit

```
$ git revert <hash do commit>
```

Checkpoint do seu projeto.

```
$ git revert HEAD
```

Reverter especificamente o último commit

Reverter um commit

```
$ git log --oneline
```

Exibir os commit com a hash resumida

```
$ git revert HEAD
```

Reverter especificamente o último commit

```
$ git revert b1a3d01
```

Reverter o commit

Exemplo de Pull Request

```
$ git branch development
```



```
$ git checkout development
```



```
$ git add .
```

```
$ git status
```




```
$ git commit -m "commit inicial"
```



```
$ git push origin development
```

Exemplo de Pull Request


[Code](#) [Issues](#) [Pull requests](#) [Actions](#) [Projects](#) [Wiki](#) [Security](#) [Insights](#) [Settings](#)

 pdf had recent pushes 1 minute ago

Compare & pull request

main 2 branches 0 tags

Go to file Add file Code

 FNetoF Initial commit c30ffce 2 minutes ago 1 commit

README.md Initial commit 2 minutes ago

README.md

test

About

No description, website, or topics provided.

Readme 0 stars 1 watching 0 forks

Releases

No releases published

Create a new release

Packages

Exemplo de Pull Request

The screenshot shows the GitHub 'Open a pull request' page. At the top, there's a navigation bar with links to Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. The main heading is 'Open a pull request', followed by a subtext: 'Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#).' Below this, a comparison bar shows 'base: main' and 'compare: pdf' with a green checkmark and the text 'Able to merge. These branches can be automatically merged.' The main content area is a text editor for the pull request title and description. The title is 'pdf'. The editor has tabs for 'Write' and 'Preview', and a rich text toolbar. Below the editor is a large text area for comments, with the placeholder text 'Leave a comment'. At the bottom of the editor area is a green 'Create pull request' button. On the right side, there are several sections: 'Reviewers' (No reviews), 'Assignees' (No one—assign yourself), 'Labels' (None yet), 'Projects' (None yet), 'Milestone' (No milestone), and 'Development' (with an information icon). At the very bottom, there's a footer note: 'Remember, contributions to this repository should follow our [GitHub Community Guidelines](#).'

<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#).

base: main ← compare: pdf ✓ **Able to merge.** These branches can be automatically merged.

pdf

Write Preview

Leave a comment

Attach files by dragging & dropping, selecting or pasting them.

Create pull request

Remember, contributions to this repository should follow our [GitHub Community Guidelines](#).

Reviewers
No reviews

Assignees
No one—assign yourself

Labels
None yet

Projects
None yet

Milestone
No milestone

Development

Exemplo de Pull Request

The screenshot displays a GitHub Pull Request (PR) titled "pdf #1". At the top, it indicates that "FNetoF wants to merge 1 commit into main from pdf". A green "Open" button is visible. Below this, a navigation bar shows tabs for "Conversation" (0), "Commits" (1), "Checks" (0), and "Files changed" (1). The main content area features a comment from "FNetoF" made 24 seconds ago, stating "No description provided." Below the comment, a green checkmark icon and text confirm: "This branch has no conflicts with the base branch. Merging can be performed automatically." A green button labeled "Merge pull request" is present, along with a link to "view command line instructions." The right sidebar contains sections for "Reviewers" (No reviews), "Assignees" (No one—assign yourself), "Labels" (None yet), "Projects" (None yet), "Milestone" (No milestone), "Development" (Successfully merging this pull request may close these issues), and "Notifications" (Customize). At the bottom, there is a "Write" tab with a text area for comments, a "Preview" tab, and a "Close pull request" button.

pdf #1

Edit <> Code

Open FNetoF wants to merge 1 commit into main from pdf

Conversation 0 Commits 1 Checks 0 Files changed 1 +0 -0

FNetoF commented 24 seconds ago

Owner

No description provided.

pdf e4e9346

Add more commits by pushing to the pdf branch on FNetoF/test.

✓ This branch has no conflicts with the base branch
Merging can be performed automatically.

Merge pull request or view command line instructions.

Write Preview

Leave a comment

Attach files by dragging & dropping, selecting or pasting them.

Close pull request Comment

Reviewers
No reviews
Still in progress? Convert to draft

Assignees
No one—assign yourself

Labels
None yet

Projects
None yet

Milestone
No milestone

Development
Successfully merging this pull request may close these issues.
None yet

Notifications Customize

Unsubscribe

Estilizando o terminal para produtividade

ZSH

```
$ sudo apt install zsh
```

Download zsh.

```
$ sh -c "$(wget -O-  
https://raw.githubusercontent.com/ohmyzsh/ohmyzsh/master/tools/install.sh)"
```

Download Oh My ZSH.

```
$ gedit .zshrc
```

Editar o arquivo.



```
ZSH_THEME="robbyrussell"
```

```
ZSH_THEME
```

Temas do ZSH

Colocar o tema nessa
variável de ambiente.

ZInit

```
bash -c "$(curl --fail --show-error --silent --location  
https://raw.githubusercontent.com/zdharma-continuum/  
zinit/HEAD/scripts/install.sh)"
```

Download ZInit.

```
zinit light  
zdharma/fast-syntax-highlighting
```

Plugin que deixa em
evidência no terminal

```
zinit light  
zsh-users/zsh-autosuggestions
```

Plugin de sugestões.

```
zinit light zsh-users/zsh-completions
```

autocomplete (npm, yarn)

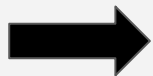


Plugins.

ZInit configurações

```
$ gedit .zshrc
```

Editar o arquivo.



```
GNU nano 2.9.3 .zshrc

source "$HOME/.zinit/bin/zinit.zsh"
autoload -Uz _zinit
(( ${+_comps} )) && _comps[zinit]=_zinit

# Load a few important annexes, without Turbo
# (this is currently required for annexes)
zinit light-mode for \
  zinit-zsh/z-a-rust \
  zinit-zsh/z-a-as-monitor \
  zinit-zsh/z-a-patch-dl \
  zinit-zsh/z-a-bin-gem-node

### End of Zinit's installer chunk
zinit light zdharma/fast-syntax-highlighting
zinit light zsh-users/zsh-autosuggestions
zinit light zsh-users/zsh-completions
```

Bibliografia

- <https://git-scm.com/book/pt-br/v2/Come%C3%A7ando-Instalando-o-Git>
- <https://docs.github.com/pt/authentication/connecting-to-github-with-ssh/generating-a-new-ssh-key-and-adding-it-to-the-ssh-agent>
- <https://github.com/ohmyzsh/ohmyzsh>
- <https://github.com/ohmyzsh/ohmyzsh/wiki/Themes>
- <https://git-scm.com/book/pt-br/v2/Branches-no-Git-O-b%C3%A1sico-de-Ramifica%C3%A7%C3%A3o-Branch-e-Mesclagem-Merge>
- <https://github.com/zdharma-continuum/zinit#updating-zinit-and-plugins>
- youtube.com/watch?v=gn7PHkYLDZU