



Git sem conflitos

#linuxdevbr

Por ANA RUTE | 03/08/2019

[@ana_rute](#)



~~Git sem conflitos~~

Ou como não chorar quando der
conflito

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\$ whoami

Ana Rute Mendes
Desenvolvedora na Collabora

Outreachy @ Mozilla

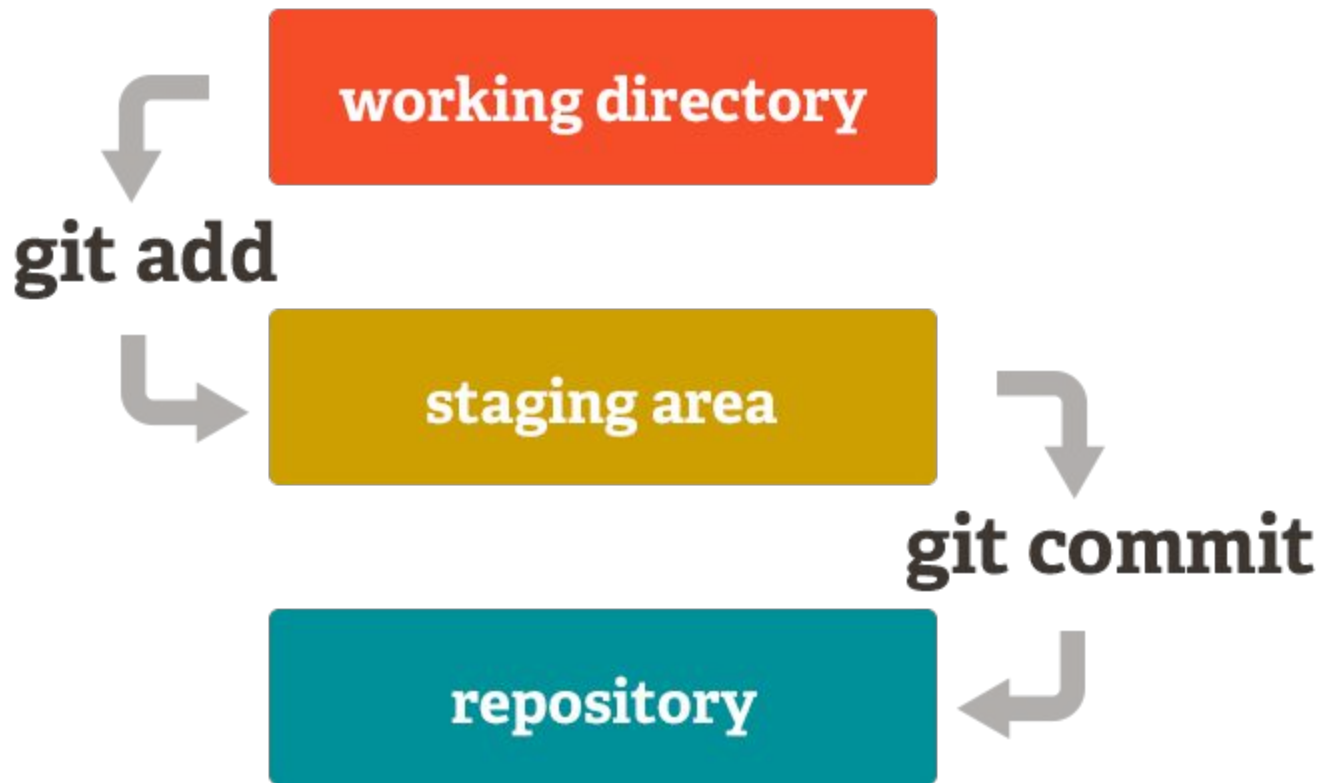


A scene from the movie Back to the Future. Doc Brown, played by Christopher Lloyd, stands on the right in his white lab coat, looking upwards with an open-mouthed expression. Marty McFly, played by Michael J. Fox, stands on the left in his red vest and plaid shirt, looking towards Doc. They are positioned in front of the DeLorean time machine, which has its gull-wing doors open. The background shows a suburban street at night with mailboxes and a fence.

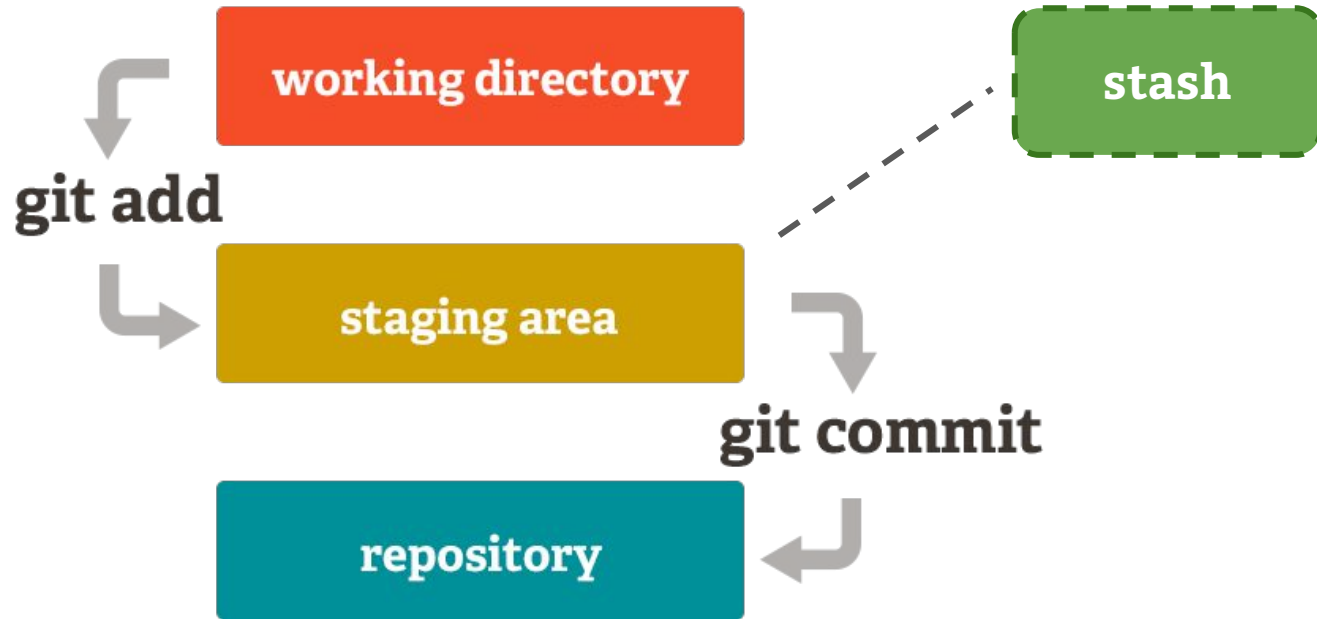
**Git é uma poderosa
máquina do tempo**



**Mas que precisa ser
utilizada com cuidado**



Git stash



Dicas de commit



	COMMENT	DATE
○	CREATED MAIN LOOP & TIMING CONTROL	14 HOURS AGO
○	ENABLED CONFIG FILE PARSING	9 HOURS AGO
○	MISC BUGFIXES	5 HOURS AGO
○	CODE ADDITIONS/EDITS	4 HOURS AGO
○	MORE CODE	4 HOURS AGO
○	HERE HAVE CODE	4 HOURS AGO
○	AAAAAAA	3 HOURS AGO
○	ADKFJSLKDFJSDKLFJ	3 HOURS AGO
○	MY HANDS ARE TYPING WORDS	2 HOURS AGO
○	HAAAAAAAAAANDS	2 HOURS AGO

AS A PROJECT DRAGS ON, MY GIT COMMIT MESSAGES GET LESS AND LESS INFORMATIVE.

**1. Quanto antes melhor
e sempre que possível**

2. Evite usar `git add .`

Ao invés disso use `git add -u` ou adicione os arquivos manualmente.

Se mexeu em muita coisa sem commitar aos poucos, utilize `git add -p`

Dica: github.com/github/gitignore



3. Não faça de `git commit -m` um hábito

Use o corpo da mensagem do commit para explicar o PORQUÊ daquela mudança.

Seu eu do futuro agradece.

4. Use `git commit --amend` para modificar o último commit

Seja para adicionar um arquivo, alterar o autor ou só mudar a mensagem de commit.



Boas práticas de commit

VERBO IMPERATIVO + O QUE FOI FEITO (Max 50 caracteres)

git-gui: allow Ctrl+T to toggle multiple paths ...



dscho authored and gitster committed on Jan 9

git-gui: fix exception when trying to stage with empty file list ...



dscho authored and gitster committed on Jan 9

git-gui: avoid exception upon Ctrl+T in an empty list ...



dscho authored and gitster committed on Jan 9



Apagador de incêndio #1

```
git reflog
```



```
791ea95 (HEAD -> master, origin/master, origin/HEAD) HEAD@{0}: checkout: moving
from c6d697f2fdea1a9df5ca93fa7fcd99811f8c3e2f to master
c6d697f HEAD@{1}: checkout: moving from master to c6d697f
791ea95 (HEAD -> master, origin/master, origin/HEAD) HEAD@{2}: rebase -i (finish
): returning to refs/heads/master
791ea95 (HEAD -> master, origin/master, origin/HEAD) HEAD@{3}: rebase -i (fixup)
: update index
94d8215 HEAD@{4}: rebase -i (fixup): # This is a combination of 3 commits.
e3173b2 HEAD@{5}: rebase -i (fixup): # This is a combination of 2 commits.
359656f HEAD@{6}: rebase -i (start): checkout HEAD~9
c6d697f HEAD@{7}: rebase -i (finish): returning to refs/heads/master
c6d697f HEAD@{8}: rebase -i (start): checkout refs/remotes/origin/master
c6d697f HEAD@{9}: clone: from git@github.com:anarute/anarute.github.io.git
```

~



Navegando entre commits

```
git checkout
```



Copiando um commit entre branches

```
git cherry-pick
```



Limpendo o histórico local

```
git reset --soft  
git reset --hard
```



Modificando o passado

```
git rebase -i
```

Abrindo a caixa de pandora



git diff

```
diff --git a/src/companies/src/containers/App/components/AppMenu.jsx b/src/companies/src/containers/App/components/AppMenu.jsx
index 5cc45f3..ecff196 100644
--- a/src/companies/src/containers/App/components/AppMenu.jsx
+++ b/src/companies/src/containers/App/components/AppMenu.jsx
@@ -6,7 +6,7 @@ import { withRouter } from 'react-router-dom';

import UserTypes from '../../../constants/User/UserTypes';

-import Navbar from
+import NavbarResponsive from
  '../../../commons/components/src/components/Navbar/NavbarResponsive';
```





**Leiam as
mensagens do git!**

Adicionei pro staging o que não deveria

On branch master

Your branch is up-to-date with 'origin/master'.

Changes to be committed:

(use "git reset HEAD <file>..." to unstage)

modified: src/companies/src/containers/Job/JobsDashboard/components
lters.jsx



(com `git add .` por exemplo...)




Desisti de uma mudança

On branch master

Changes not staged for commit:

(use "git add <file>..." to update what will be committed)

(use "git checkout -- <file>..." to discard changes in working directory)

modified: hello

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



Deu conflito

On branch feature/GUPY-1609

Your branch is up-to-date with 'origin/feature/GUPY-1609'.

You have unmerged paths.

(fix conflicts and run "git commit")

(use "git merge --abort" to abort the merge)

Changes to be committed:

```
new file:   .env.test
modified:   .vscode/settings.json
modified:   package-lock.json
```

Unmerged paths:

(use "git add <file>..." to mark resolution)

```
both modified:   src/candidates/src/containers/Applicati
gisterActions.jsx
```



Git + VS Code

The screenshot shows the Visual Studio Code interface with a diff view open. The left sidebar contains the 'SOURCE CONTROL: GIT' panel, showing a commit message 'Message (press Ctrl+Enter to commit)' and a list of changes under 'CHANGES'. The main editor area displays a diff between two versions of the file 'About.vue (Working Tree)'. The diff shows changes to the HTML template, including the addition of a new paragraph and the removal of several others. The changes are highlighted with green and red background colors. The status bar at the bottom shows the current file is 'About.vue' and the workspace is 'master*'. The bottom right corner of the status bar shows 'Ln 22, Col 30', 'Spaces: 2', 'UTF-8', 'LF', and 'Vue'.

```
1 <template>
2 <Layout>
3 <main>
4 <header class="max-w-xl md:max-w-2xl xl:max-w-3xl">
5 <h1 class="text-4xl sm:text-5xl md:text-6xl">
6 <p class="text-grey-dark text-lg sm:text-3xl">
7 </header>
8 <nav class="absolute top-0 left-0 z-20 mt-6 ml-6">
9 <g-link to="/" class="text-gray-900 border-gray-100">
10 </nav>
11 <article class="max-w-xl md:max-w-2xl xl:max-w-3xl">
12 <div class="markdown text-lg leading-normal">
13 <p>This is your about page, say something
14 <p>You can edit this page in <code class="text-gray-900">
15 <hr>
16 <p>Now what are the possibilities of warp
17 <h2>Communication is not possible</h2>
18 <p>The shuttle has no power. Using the gravity
19 <p>Energy discharge in six seconds. Warp 10
20 <h2>Deflector power at maximum</h2>
21 <p>Unidentified vessel travelling at sub
22 <p>Sensors indicate human life forms 30 me
23 <p>It indicates a synchronic distortion in
24 <p>I have reset the sensors to scan for fi
25 <p>Resistance is futile.</p>
26 </div>
27 <site-footer class="pb-8 sm:pb-10" />
28 </main>
29 </Layout>
30 </template>
31
32 <script>
33 import config from '~/.temp/config.js'
34
```

Git Lens

Index.vue - anarute.github.io - Visual Studio Code

src > pages > Index.vue > {} "Index.vue" > template > Layout.bg-white > main > header

1 <template>
2 <Layout class="bg-white">
3 <main>
4 <header>
5 <div class="max-w-xl md:max-w-3xl xl:max-w-4xl mx-auto text-center >
6 <h1 class="font-sans font-bold ml-12">
7 <h2 class="font-sans font-bold ml-12">
8 </h1>
9 <p class="font-sans font-normal ml-12">
10 </div>
11 </header>
12 <section>
13 <post-item v-for="edge in \$page.posts.edges" :key="edge.node.id" :page="page">
14 </section>
15 <section>
16 <post-item v-for="edge in \$page.posts.edges" :key="edge.node.id" :page="page">
17 </section>
18 <pagination :info="\$page.posts.pageInfo" v-if="\$page.posts.pageInfo">
19 <site-footer class="py-8 sm:py-16" />
20 </main>
21 </Layout>
22 </template>
23
24 <script>
25 import config from '~/temp/config.js'
26 import SiteFooter from '@/components/Footer'
27 import PostItem from '@/components/PostItem'
28 import Pagination from '@/components/Pagination'
29
30 export default {
31 components: {
32 PostItem,
33 Pagination,
34 SiteFooter,
35 },
36 }
37

Git LENS

REPOSITORIES

- anarute.github.io master • ~2
 - master ⇄ origin/master
 - 2 files changed
 - Compare master (working) with <branch, tag, or commit>

FILE HISTORY

- Index.vue src/pages
 - Uncommitted changes You, a few seconds ago
 - Less than a week ago
 - Initial commit: add Bleda started +96-0 • You, 4 hours ago

LINE HISTORY

- Index.vue #11 src/pages
 - Less than a week ago
 - Initial commit: add Bleda started You, 4 hours ago

COMPARE

Compare <branch, tag, or ref> with <branch, tag, or commit>

SEARCH COMMITS

Search commits by message message-pattern

- or, by author @author-pattern
- or, by commit id #sha
- or, by files :file-path/glob
- or, by changes -pattern

Initial commit: add Bleda started
d62de49 << >> ...

You, 4 hours ago (August 3rd, 2019 10:22am)

You, 4 hours ago • Initial commit: add Bleda started

There is an available update

master* 0 212 Live Share vue | Index.vue 50 mins You, 4 hours ago Ln

Git e terminal

```
~/git/snippets(master) » rm LICENSE
```

```
~/git/snippets(master*) »
```

```
~ » cd testproject
~/testproject » master » gco detached-head-state -q
~/testproject » ~ fdffaf6 » touch dirty-working-directory
~/testproject » ~ fdffaf6± » cd
~ » ssh milly
```

```
→ scraperdashboard git:(fix-validation) x time
shell 1.82s user 0.81s system 0% cpu 19:41.05 total
children 17.49s user 4.30s system 1% cpu 19:41.05 total
→ scraperdashboard git:(fix-validation) x
```

Aliases

Alias	Command
g	git
ga	git add
gaa	git add --all
gapa	git add --patch
gua	git add --update
gb	git branch
gba	git branch -a



Obrigada! Dúvidas?

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