

- [Introdução ao GitHub | Resolvendo Conflitos](#)
- [Resumo de Comandos](#)

Introdução ao GitHub | Resolvendo Conflitos

Quando trabalhamos em equipe, sabemos que vários arquivos são editados simultaneamente, causando conflitos e não gerando o resultado esperado. Assim, quando o Git Hub tenta juntar, ocorre o conflito de Merge (edição na mesma linha, resolvido manualmente)

No caso, temos um repositório local "antigo", não atualizado.

```
git push origin master - tenta carregar a versao atual para o repositório online.
```

```
Gabriel_Victorino@DESKTOP-A192CLP MINGW64 /c/Workspace/livros-receitas (master)
$ git push origin master
To https://github.com/GabrielVictorino8266/dio-angular-bootcamp.git
 ! [rejected]          master -> master (fetch first)
error: failed to push some refs to 'https://github.com/GabrielVictorino8266/dio-
angular-bootcamp.git'
hint: Updates were rejected because the remote contains work that you do
hint: not have locally. This is usually caused by another repository pushing
hint: to the same ref. You may want to first integrate the remote changes
hint: (e.g., 'git pull ...') before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
```

Para sabermos se há um conflito de merge, usaremos:

```
git pull origin master
```

```
Gabriel_Victorino@DESKTOP-A192CLP MINGW64 /c/Workspace/livros-receitas (master)
$ git pull origin master
remote: Enumerating objects: 7, done.
remote: Counting objects: 100% (7/7), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (4/4), 784 bytes | 43.00 KiB/s, done.
From https://github.com/GabrielVictorino8266/dio-angular-bootcamp
 * branch                master      -> FETCH_HEAD
   f1470c2..7fa8fad      master      -> origin/master
error: Your local changes to the following files would be overwritten by merge:
```

```
receitas/markdown.md
```

Please commit your changes or stash them before you merge.

Aborting

Updating f1470c2..7fa8fad

Abaixo segue um exemplo do problema sendo resolvido:

```
Gabriel_Victorino@DESKTOP-A192CLP MINGW64 /c/Workspace/livros-receitas (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:   receitas/markdown.md
```

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

```
Gabriel_Victorino@DESKTOP-A192CLP MINGW64 /c/Workspace/livros-receitas (master)
```

```
$ git add *
```

```
warning: in the working copy of 'receitas/markdown.md', LF will be replaced by CRLF
the next time Git touches it
```

```
Gabriel_Victorino@DESKTOP-A192CLP MINGW64 /c/Workspace/livros-receitas (master)
```

```
$ git commit -m "Git nao atualizado local"
```

```
[master bcdcd48] Git nao atualizado local
```

```
1 file changed, 1 insertion(+), 1 deletion(-)
```

```
Gabriel_Victorino@DESKTOP-A192CLP MINGW64 /c/Workspace/livros-receitas (master)
```

```
$ git push origin master
```

```
To https://github.com/GabrielVictorino8266/dio-angular-bootcamp.git
```

```
! [rejected]        master -> master (fetch first)
```

```
error: failed to push some refs to 'https://github.com/GabrielVictorino8266/dio-
angular-bootcamp.git'
```

```
hint: Updates were rejected because the remote contains work that you do
```

```
hint: not have locally. This is usually caused by another repository pushing
```

```
hint: to the same ref. You may want to first integrate the remote changes
```

```
hint: (e.g., 'git pull ...') before pushing again.
```

```
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
```

```
Gabriel_Victorino@DESKTOP-A192CLP MINGW64 /c/Workspace/livros-receitas (master)
```

```
$ git pull origin master
```

```
remote: Enumerating objects: 7, done.
```

```
remote: Counting objects: 100% (7/7), done.
```

```
remote: Compressing objects: 100% (3/3), done.
```

```
remote: Total 4 (delta 1), reused 0 (delta 0), pack-reused 0
```

```
Unpacking objects: 100% (4/4), 748 bytes | 31.00 KiB/s, done.
```

```
From https://github.com/GabrielVictorino8266/dio-angular-bootcamp
```

```
  * branch                master      -> FETCH_HEAD
```

```
    20ddc9a..70588b7  master      -> origin/master
```

```
Auto-merging receitas/markdown.md
```

```
CONFLICT (content): Merge conflict in receitas/markdown.md
```

```
Automatic merge failed; fix conflicts and then commit the result.
```

```
Gabriel_Victorino@DESKTOP-A192CLP MINGW64 /c/Workspace/livros-receitas
(master|MERGING)
$ ls
receitas/  teste.jpg
```

```
Gabriel_Victorino@DESKTOP-A192CLP MINGW64 /c/Workspace/livros-receitas
(master|MERGING)
$ git status
On branch master
You have unmerged paths.
  (fix conflicts and run "git commit")
  (use "git merge --abort" to abort the merge)
```

```
Unmerged paths:
  (use "git add <file>..." to mark resolution)
    both modified:   receitas/markdown.md
```

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

```
Gabriel_Victorino@DESKTOP-A192CLP MINGW64 /c/Workspace/livros-receitas
(master|MERGING)
$ git add *
```

```
Gabriel_Victorino@DESKTOP-A192CLP MINGW64 /c/Workspace/livros-receitas
(master|MERGING)
$ pwd
/c/Workspace/livros-receitas
```

```
Gabriel_Victorino@DESKTOP-A192CLP MINGW64 /c/Workspace/livros-receitas
(master|MERGING)
$ ls
receitas/  teste.jpg
```

```
Gabriel_Victorino@DESKTOP-A192CLP MINGW64 /c/Workspace/livros-receitas
(master|MERGING)
$ git commit -m "Atualizando Merge"
[master a13f222] Atualizando Merge
```

```
Gabriel_Victorino@DESKTOP-A192CLP MINGW64 /c/Workspace/livros-receitas (master)
$ git push origin master
Enumerating objects: 14, done.
Counting objects: 100% (14/14), done.
Delta compression using up to 4 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (8/8), 799 bytes | 799.00 KiB/s, done.
Total 8 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/GabrielVictorino8266/dio-angular-bootcamp.git
70588b7..a13f222  master -> master
```

Resumo de Comandos

Alguns comandos utilizados são:

`git status` -> verifica o status

`git add *` > adiciona todos os arquivos modificados

`git commit -m "Mensagem"` > cria um commit com mensagem da alteração

`git push origin master` -> tenta carregar ao repositório

`git pull origin master` -> traz o repositório online e permite modificar o repositório localmente (comparando as mudanças)

`git clone https://repositorio-online.git` -> clona o repositório de url
(<https://repositorio-online.git>)

`git remote -v` -> mostra para onde (online) aponta o repositório local.