

Here is a quick explanation of what to do if you have an error in pushing or pulling a file to/from the repo. Besides being a spelling mistake, forgetting to pull, or not remembering to stage your edits. This is a way to fix a file that will not push/pull due to the files in both the repo and your local copy having edits on the same line.

Here is how the error will come up.

```
CA: Command Prompt
remotes/origin/alexander-wilson-patch-1 826276c Merge pull request #32 from J...
JuanLoon/alexander-wilson-patch-2
remotes/origin/alexander-wilson-patch-2 2abdb3a Update enc28J60.h
remotes/origin/master 7a2ef09 Delete README

C:\Users\Rodney\AURTCPIP>git checkout -b Feature remotes/origin/Feature
Branch Feature set up to track remote branch Feature from origin.
Switched to a new branch 'Feature'

C:\Users\Rodney\AURTCPIP>git branch
* Feature
  master
Shows active branch in green

C:\Users\Rodney\AURTCPIP>git add ReadmeSon
C:\Users\Rodney\AURTCPIP>git commit
[Feature a25b8dal test
1 file changed, 1 insertion(+), 1 deletion(-)

C:\Users\Rodney\AURTCPIP>git push
warning: push.default is unset; its implicit value is changing in
Git 2.0 from 'matching' to 'simple'. To squelch this message
and maintain the current behavior after the default changes, use:

  git config --global push.default matching

To squelch this message and adopt the new behavior now, use:

  git config --global push.default simple

When push.default is set to 'matching', git will push local branches
to the remote branches that already exist with the same name.

In Git 2.0, Git will default to the more conservative 'simple'
behavior, which only pushes the current branch to the corresponding
remote branch that 'git pull' uses to update the current branch.

See 'git help config' and search for 'push.default' for further information.
(the 'simple' mode was introduced in Git 1.7.11. Use the similar mode
'current' instead of 'simple' if you sometimes use older versions of Git)
Username for 'https://github.com': rcwieske
Password for 'https://rcwieske@github.com':
! [rejected] Feature -> Feature (fetch first)
error: failed to push some refs to 'https://github.com/Rcwieske/AURTCPIP'
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.
Error attempting to push file to repo due
to edits in remote file not updated locally

C:\Users\Rodney\AURTCPIP>git status
On branch Feature
Your branch is ahead of 'origin/Feature' by 1 commit.
(use "git push" to publish your local commits)

nothing to commit, working directory clean

C:\Users\Rodney\AURTCPIP>git pull
remote: Counting objects: 3, done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), done.
From https://github.com/Rcwieske/AURTCPIP
 bf00813..f047928 Feature -> origin/Feature
Auto-merging ReadmeSon
CONFLICT (content): Merge conflict in ReadmeSon
Automatic merge failed; fix conflicts and then commit the result.

C:\Users\Rodney\AURTCPIP>git status
On branch Feature
Your branch and 'origin/Feature' have diverged,
and have 1 and 1 different commit each, respectively.
(use "git pull" to merge the remote branch into yours)

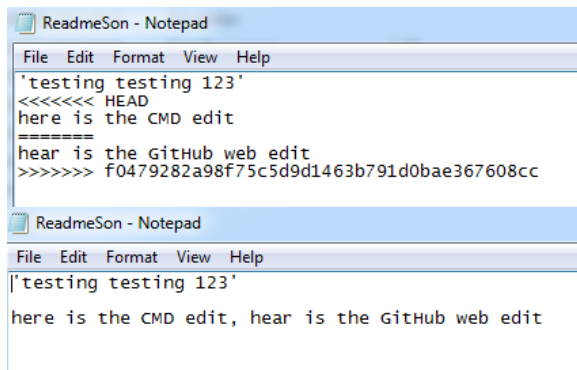
You have unmerged paths.
(fix conflicts and run "git commit")

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

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

C:\Users\Rodney\AURTCPIP>
```

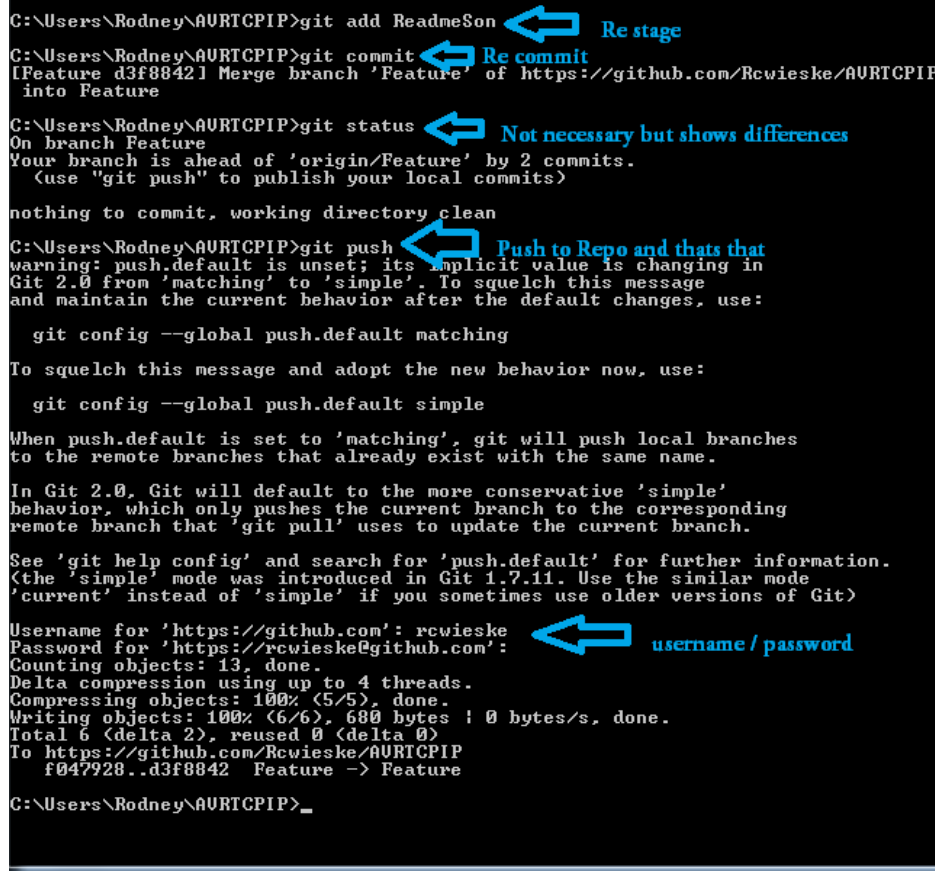
Opening ReadmeSon will show you where the error is. You can use any program I just chose notepad.



```
ReadmeSon - Notepad
File Edit Format View Help
'testing testing 123'
<<<<<< HEAD
here is the CMD edit
=====
hear is the GitHub web edit
>>>>>> f0479282a98f75c5d9d1463b791d0bae367608cc

ReadmeSon - Notepad
File Edit Format View Help
'testing testing 123'
here is the CMD edit, hear is the GitHub web edit
```

Git uses the “<<< and >>>” to indicate where to conflict is. You only have to remove all the access git puts in and rewrite the line exactly how you would like it. In this case with a comma, or you could push it onto two different lines than save the file locally. Re Stage , Re commit, Push to Repo.



```
C:\Users\Rodney\AURTCPIP>git add ReadmeSon
C:\Users\Rodney\AURTCPIP>git commit
[Feature d3f8842] Merge branch 'Feature' of https://github.com/Rcwieske/AURTCPIP
into Feature
C:\Users\Rodney\AURTCPIP>git status
On branch Feature
Your branch is ahead of 'origin/Feature' by 2 commits.
(use "git push" to publish your local commits)

nothing to commit, working directory clean
C:\Users\Rodney\AURTCPIP>git push
warning: push.default is unset; its implicit value is changing in
Git 2.0 from 'matching' to 'simple'. To squelch this message
and maintain the current behavior after the default changes, use:

  git config --global push.default matching

To squelch this message and adopt the new behavior now, use:

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remote branch that 'git pull' uses to update the current branch.

See 'git help config' and search for 'push.default' for further information.
(the 'simple' mode was introduced in Git 1.7.11. Use the similar mode
'current' instead of 'simple' if you sometimes use older versions of Git)

Username for 'https://github.com': rcwieske
Password for 'https://rcwieske@github.com':
Counting objects: 13, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (5/5), done.
Writing objects: 100% (6/6), 680 bytes | 0 bytes/s, done.
Total 6 (delta 2), reused 0 (delta 0)
To https://github.com/Rcwieske/AURTCPIP
 f047928..d3f8842 Feature -> Feature
C:\Users\Rodney\AURTCPIP>_
```

Changes are reflected on the Github remote repo:



branch: Feature ▾

AVRTCPIP / ReadmeSon

Rcwieske

22 minutes ago Merge branch 'Feature' of https://github.com/Rcwieske/AVRTCPIP into F...

1 contributor

5 lines (2 sloc) | 0.075 kb

RawBlameHistory

1'testing testing 123'

2

3here is the CMD edit, hear is the GitHub web edit

4

<>