

Interdependent pull requests

Situation

After the contributor submitted a first pull request (**pr1**), and before the maintainer merges it into the source repository, the contributor starts a second pull request (**pr2**) that depends on **pr1**.

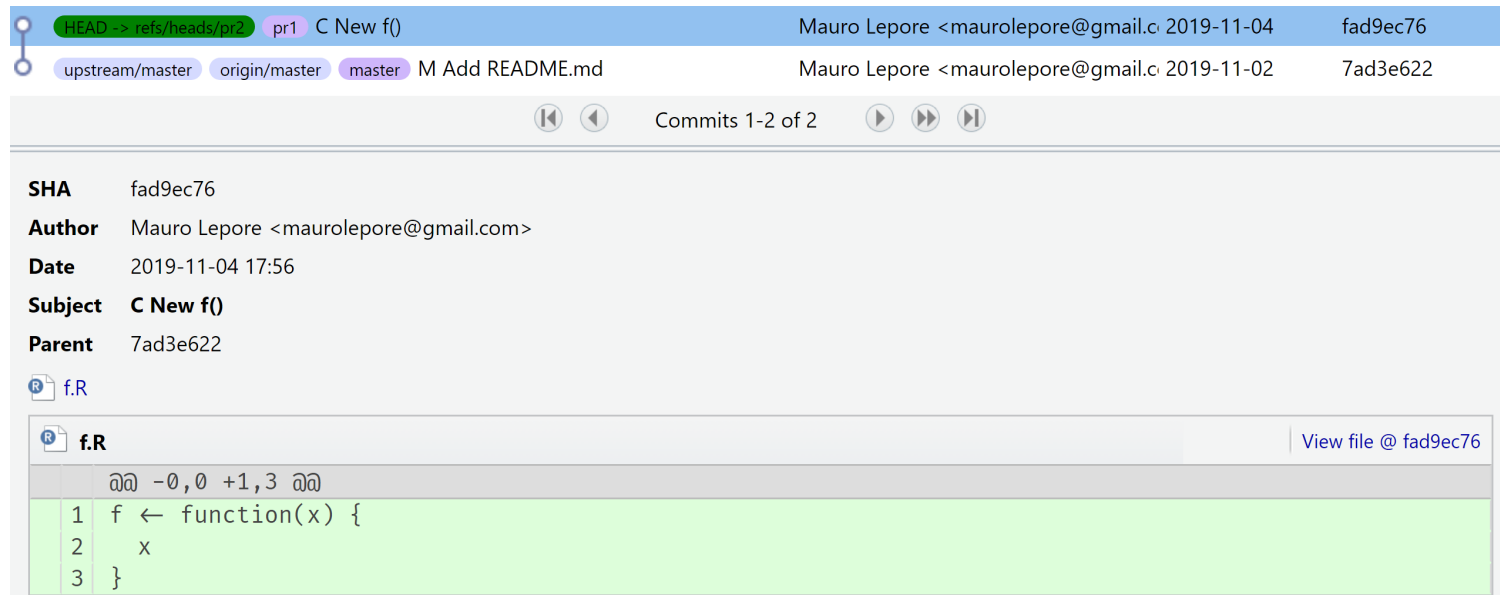
The maintainer edits **pr1** and accepts it (squash-merges it into the upstream/master). But **pr2** now is a mess and the contributor must fix it before it can be merged.

pr_init("pr1")



```
Console Terminal x Jobs x
C:/Users/Mauro/git/abc-contributor/
✓ Deleting local 'pr1' branch
> pr_init("pr1")
✓ Checking that local branch 'master' has the changes in 'upstream/master'
✓ Creating local PR branch 'pr1'
✓ Switching to branch 'pr1'
● Use `pr_push()` to create PR
> |
```

Commit



The image shows a Git commit diff view. At the top, a commit summary bar displays the commit message "C New f()", the author "Mauro Lepore <maurolepore@gmail.c>", the date "2019-11-04", and the SHA hash "fad9ec76". Below this, a navigation bar shows the commit history with "upstream/master", "origin/master", and "master" branches, and the message "M Add README.md". The main content area shows the diff for file "f.R". The diff header indicates a change from "0000000" to "fad9ec76". The diff content shows the addition of a function definition in R:

```
@@ -0,0 +1,3 @@
1 f ← function(x) {
2   x
3 }
```

At the bottom right, there is a link "View file @ fad9ec76".

pr_push()

```
> pr_push()  
✓ Pushing local 'pr1' branch to 'origin:pr1'  
✓ Setting upstream tracking branch for 'pr1' to 'origin/pr1'  
✓ Create PR at link given below  
✓ Opening URL 'https://github.com/maurolepore/abc/compare/pr1'  
>
```



base repository: an-org/abc ▼

base: master ▼



head repository: maurolepore/abc ▼

compare: pr1 ▼

✓ **Able to merge.** These branches can be automatically merged.



Create pull request

Discuss and review the changes in this comparison with others.

pr_init("pr2")

```
> pr_init("pr2")
✓ Setting active project to 'C:/Users/Mauro/git/abc-contributor'
✓ Checking that local branch 'master' has the changes in 'upstream/master'
Create local PR branch with non-master parent?

1: No
2: Absolutely
3: Absolutely not

Selection: 2
✓ Creating local PR branch 'pr2'
✓ Switching to branch 'pr2'
● Use `pr_push()` to create PR
>
```

pr_push()

```
> pr_push()  
✓ Pushing local 'pr2' branch to 'origin:pr2'  
✓ Setting upstream tracking branch for 'pr2' to 'origin/pr2'  
✓ Create PR at link given below  
✓ Opening URL 'https://github.com/maurolepore/abc/compare/pr2'  
>
```



base repository: an-org/abc ▼

base: master ▼



head repository: maurolepore/abc ▼

compare: pr2 ▼

✓ **Able to merge.** These branches can be automatically merged.



Create pull request

Discuss and review the changes in this comparison with others.

pr_fetch() (Maintainer)

```
> library(usethis)
> pr_fetch(5)
✓ Checking out PR 'an-org/abc/#5' (@maurolepore): 'C New f()'
✓ Adding remote 'maurolepore' as 'git@github.com:maurolepore/abc.git'
✓ Creating local branch 'maurolepore-pr1'
✓ Setting upstream tracking branch for 'maurolepore-pr1' to 'maurolepore/pr1'
✓ Switching to branch 'maurolepore-pr1'
> |
```


Edit pr1 (Maintainer)

The screenshot displays a GitHub pull request interface. At the top, a commit history table lists three commits:

Commit	Author	Date	Hash
HEAD -> refs/heads/maurolepore-pr1 M Rename to my_f()	Mauro Lepore <maurolepore@gmail.com>	2019-11-04	4aab4ff6
maurolepore/pr1 C New f()	Mauro Lepore <maurolepore@gmail.com>	2019-11-04	fad9ec76
origin/master origin/HEAD master M Add README.md	Mauro Lepore <maurolepore@gmail.com>	2019-11-02	7ad3e622

Below the commit history, navigation icons and the text "Commits 1-3 of 3" are visible. The main content area shows the diff for two files: `f.R` and `my_f.R`.

f.R (View file @ 4aab4ff6)

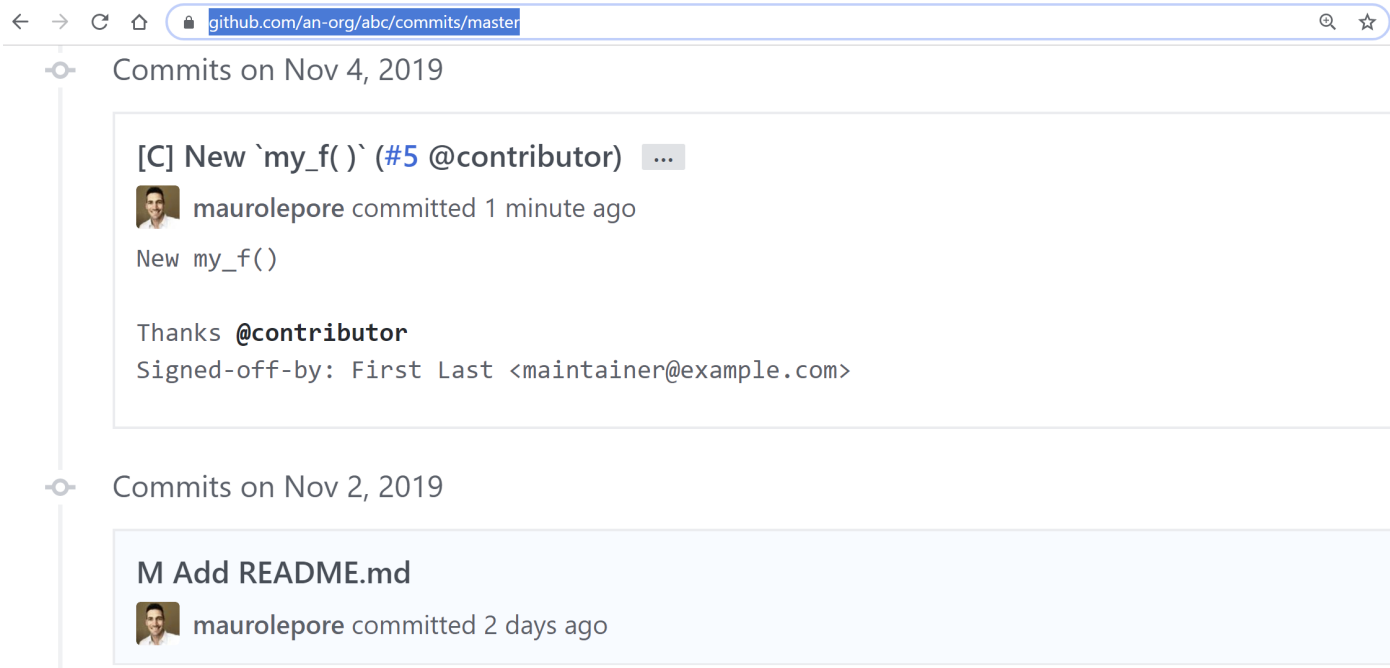
```
@@ -1,3 +0,0 @@
1 f <- function(x) {
2   x
3 }
```

my_f.R (View file @ 4aab4ff6)

```
@@ -0,0 +1,3 @@
1 my_f <- function(x) {
2   x
3 }
```

pr_push() (Maintainer)

```
> pr_push()  
✓ Checking that local branch 'maurolepore-pr1' has the changes in 'maurolepore/pr1'  
✓ Pushing local 'maurolepore-pr1' branch to 'maurolepore:pr1'  
✓ View PR at 'https://github.com/an-org/abc/pull/5' or call `pr_view()`  
>
```




The screenshot shows a web browser window with the address bar displaying 'github.com/an-org/abc/commits/master'. The page content is divided into two sections by a horizontal line. The top section is titled 'Commits on Nov 4, 2019' and contains a commit entry: '[C] New `my_f()` (#5 @contributor)' with a three-dot menu icon. Below the title, there is a profile picture of 'maurolepore' and the text 'maurolepore committed 1 minute ago'. The commit message is 'New my_f()'. Below the message, it says 'Thanks @contributor' and 'Signed-off-by: First Last <maintainer@example.com>'. The bottom section is titled 'Commits on Nov 2, 2019' and contains a commit entry: 'M Add README.md'. Below the title, there is a profile picture of 'maurolepore' and the text 'maurolepore committed 2 days ago'.

← → ↻ 🏠 github.com/an-org/abc/commits/master 🔍 ☆

🔗 Commits on Nov 4, 2019

[C] New `my_f()` (#5 @contributor) ⋮

 maurolepore committed 1 minute ago


New my_f()

Thanks @contributor

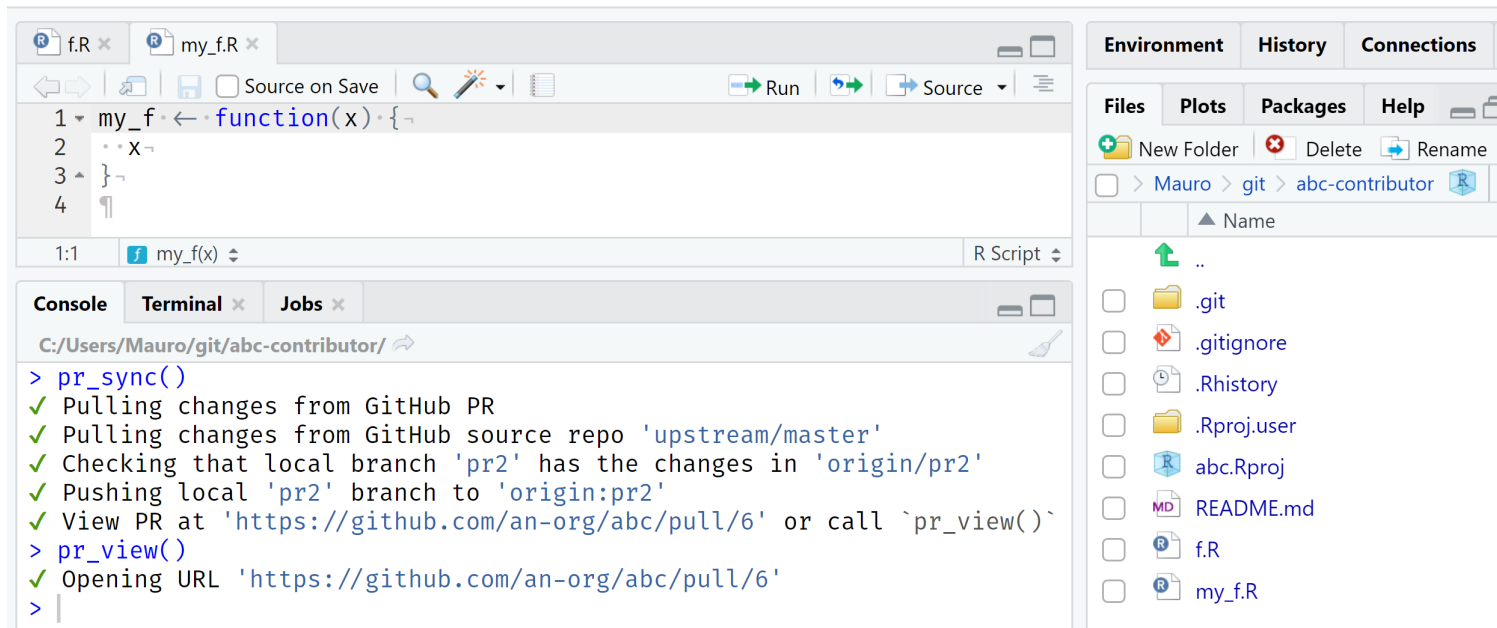
Signed-off-by: First Last <maintainer@example.com>

🔗 Commits on Nov 2, 2019

M Add README.md

 maurolepore committed 2 days ago

pr_sync()



The screenshot displays the RStudio environment with the following components:

- Source Editor:** Contains the definition of the `my_f` function:

```
1 my_f <- function(x) {  
2   x  
3 }  
4
```
- Console:** Shows the execution of `pr_sync()` and `pr_view()` with the following output:

```
> pr_sync()  
✓ Pulling changes from GitHub PR  
✓ Pulling changes from GitHub source repo 'upstream/master'  
✓ Checking that local branch 'pr2' has the changes in 'origin/pr2'  
✓ Pushing local 'pr2' branch to 'origin:pr2'  
✓ View PR at 'https://github.com/an-org/abc/pull/6' or call `pr_view()`  
> pr_view()  
✓ Opening URL 'https://github.com/an-org/abc/pull/6'  
>
```
- Environment Pane:** Lists the objects in the environment:
 - Files: New Folder, Delete, Rename
 - Location: Mauro > git > abc-contributor
 - Name: ..
 - Objects: .git, .gitignore, .Rhistory, .Rproj.user, abc.Rproj, README.md, f.R, my_f.R

Fix pr2 then pr_push()

The screenshot displays a GitHub pull request (PR) interface. On the left, a commit history sidebar shows a sequence of commits: 'HEAD -> refs/heads/pr2' (C Remove f.R), 'C Edit g() to use my_f()', 'C Move g() to my_f.R', 'origin/pr2 merge upstream/master', 'upstream/master [C] New `my_f()` (#5 @contributor)', 'C New g()', 'origin/pr1 pr1 C New f()', and 'origin/master master M Add README.md'. The main area shows a list of 8 commits by Mauro Lepore, with the selected commit being 'C Edit g() to use my_f()' (commit hash f05da851). Below the commit list, the file 'my_f.R' is shown with a diff. The diff highlights changes in the function 'my_f' and its call 'my_f(x)'. The changes are: line 3 (unchanged), line 4 (unchanged), line 5 (unchanged), line 6 (added 'f(x)'), and line 7 (added 'my_f(x)').

Commit	Author	Date	Hash
HEAD -> refs/heads/pr2	Mauro Lepore <maurolepore@gmail.com>	2019-11-04	b46358d2
C Edit g() to use my_f()	Mauro Lepore <maurolepore@gmail.com>	2019-11-04	f05da851
C Move g() to my_f.R	Mauro Lepore <maurolepore@gmail.com>	2019-11-04	65fb41a1
origin/pr2 merge upstream/master	Mauro Lepore <maurolepore@gmail.com>	2019-11-04	c90e31b1
upstream/master [C] New `my_f()` (#5 @contributor)	Mauro Lepore <maurolepore@gmail.com>	2019-11-04	f84d03f5
C New g()	Mauro Lepore <maurolepore@gmail.com>	2019-11-04	97540b70
origin/pr1 pr1 C New f()	Mauro Lepore <maurolepore@gmail.com>	2019-11-04	fad9ec76
origin/master master M Add README.md	Mauro Lepore <maurolepore@gmail.com>	2019-11-02	7ad3e622

Commits 1-8 of 8

my_f.R







my_f.R


View file @ f05da851


```
@@ -3,5 +3,5 @@ my_f <- function(x) {
3 3 }
4 4
5 5 g <- function(x) {
6 f(x)
6 my_f(x)
7 7 }
```

```
> pr_push()
✓ Checking that local branch 'pr2' has the changes in 'origin/pr2'
✓ Pushing local 'pr2' branch to 'origin:pr2'
✓ View PR at 'https://github.com/an-org/abc/pull/6' or call `pr_view()`
> |
```

Squash-merge pr2 (Maintainer)

    github.com/an-org/abc/commits/master  


New g() (#6 @contributor) 


 maurolepore committed now


Relates to #5

Thanks @contributor


Signed-off-by: First Last <maintainer@example.com>

[C] New `my_f()` (#5 @contributor) 

 maurolepore committed 24 minutes ago

 Commits on Nov 2, 2019

M Add README.md

 maurolepore committed 2 days ago

pr_finish()

```
Console Terminal x Jobs x
C:/Users/Mauro/git/abc-contributor/
> pr_finish()
✓ Switching back to 'master' branch
✓ Pulling changes from GitHub source repo 'upstream/master'
✓ Deleting local 'pr2' branch
>
```

HEAD -> refs/heads/master	upstream/master	New g() (#6 @contributor)	Mauro Lepore <maurolepore@gmail.c 2019-11-04	a8c63a22
[C] New `my_f()` (#5 @contributor)			Mauro Lepore <maurolepore@gmail.c 2019-11-04	f84d03f5
origin/master	M Add README.md		Mauro Lepore <maurolepore@gmail.c 2019-11-02	7ad3e622

```
Commits 1-3 of 3
my_f.R View file @ a8c63a22
@@ -1,3 +1,7 @@
1 1 my_f ← function(x) {
2 2   x
3 3 }
4
5 g ← function(x) {
6   my_f(x)
7 }
```