

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**.

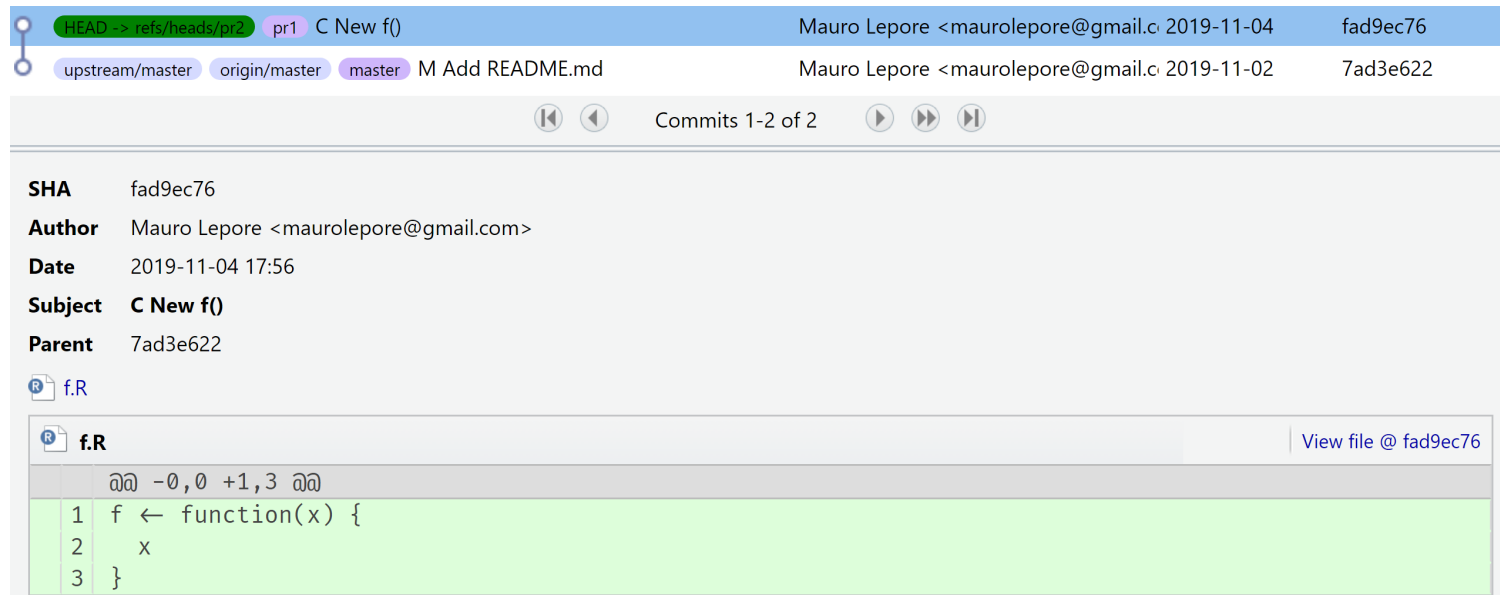
The maintainer edits **pr1** and accepts it (squash-merges it into the upstream/master). But **pr2** now is a mess and the contributor must fix it before it can be merged.

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 "Commits 1-2 of 2" with arrows for navigation. The main content area shows the diff for file "f.R". The diff indicates a new file is being added, with a hunk of 3 lines. The code content is as follows:

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

On the right side of the diff view, 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.

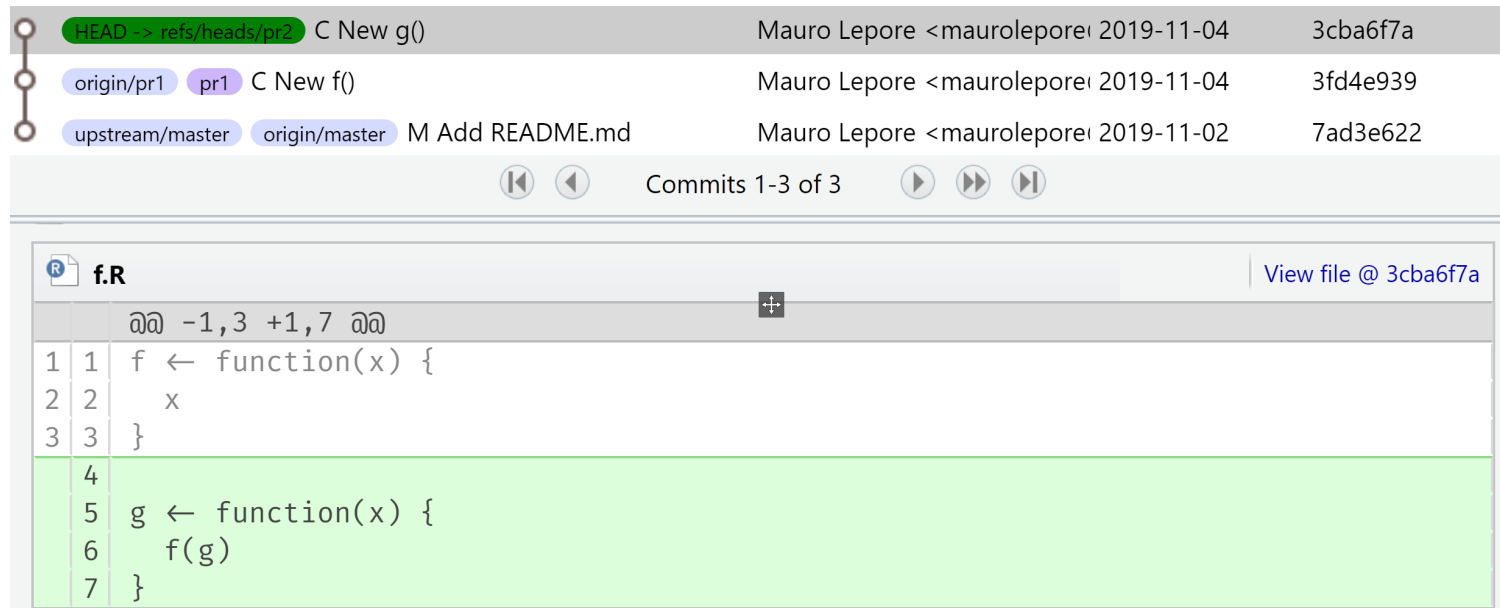
pr_init("pr2")

```
> 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
>
```

Commit



The image shows a Git commit history and a file diff view. The commit history at the top lists three commits by Mauro Lepore. The first commit, 3cba6f7a, is the current HEAD and is titled 'C New g()'. The second commit, 3fd4e939, is titled 'C New f()'. The third commit, 7ad3e622, is titled 'M Add README.md'. Below the history is a navigation bar with 'Commits 1-3 of 3' and navigation icons. The file diff view for 'f.R' shows changes between commit 3cba6f7a and its parent. The diff highlights the addition of a new function 'g' that calls 'f'.

Commit	Author	Date	Hash
HEAD -> refs/heads/pr2	C New g()	Mauro Lepore <maurolepore@...>	2019-11-04 3cba6f7a
origin/pr1 pr1	C New f()	Mauro Lepore <maurolepore@...>	2019-11-04 3fd4e939
upstream/master origin/master	M Add README.md	Mauro Lepore <maurolepore@...>	2019-11-02 7ad3e622

Commits 1-3 of 3

f.R [View file @ 3cba6f7a](#)

@@ -1,3 +1,7 @@

```
1 1 f ← function(x) {
2 2   x
3 3 }
4
5 g ← function(x) {
6   f(g)
7 }
```

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 by Mauro Lepore. The first commit, 'HEAD -> refs/heads/maurolepore-pr1', is highlighted in green and describes a 'Rename to my_f()'. The second commit, 'maurolepore/pr1', describes a 'New f()'. The third commit, 'origin/master', describes an 'Add README.md'. Below the table, navigation icons and the text 'Commits 1-3 of 3' are visible. The main content area shows two files: 'f.R' and 'my_f.R'. The 'f.R' file is highlighted in red and contains a function definition for 'f'. The 'my_f.R' file is highlighted in green and contains a function definition for 'my_f'. Both files have a 'View file @ 4aab4ff6' link.

Commit	Message	Author	Date	SHA
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	M Add README.md	Mauro Lepore <maurolepore@gmail.com>	2019-11-02	7ad3e622

Commits 1-3 of 3

f.R [View file @ 4aab4ff6](#)

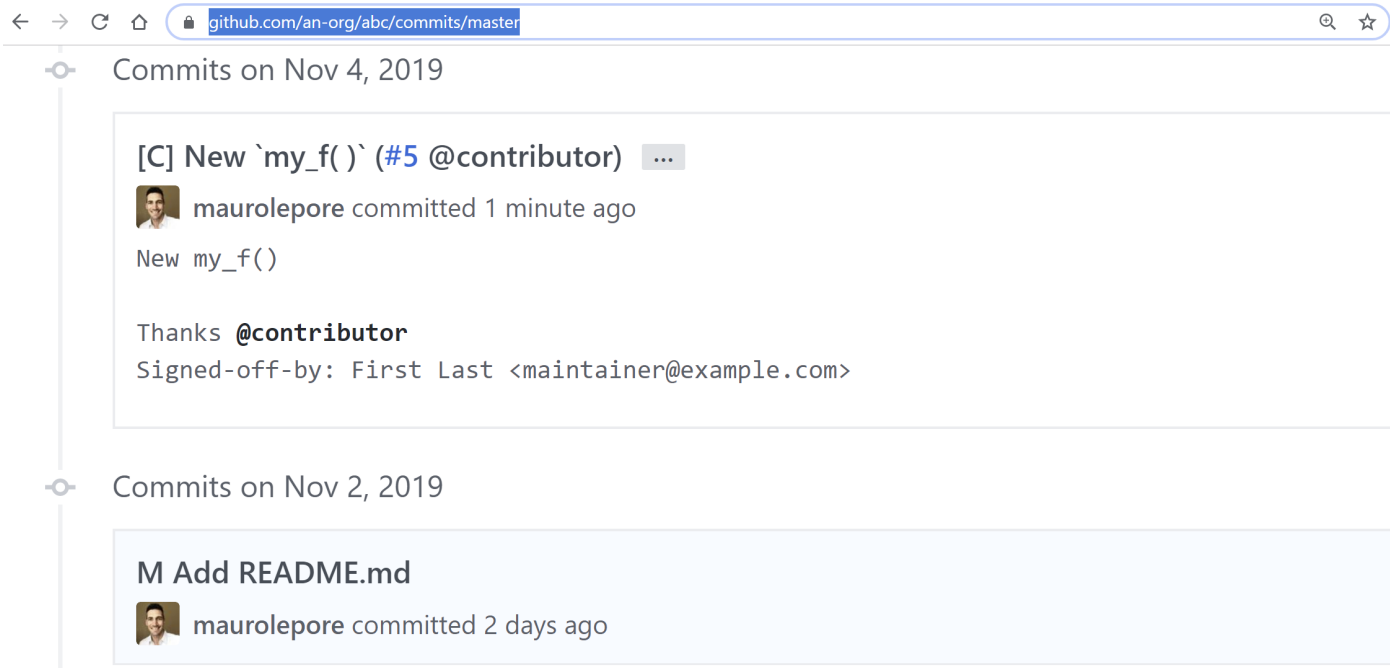
```
@@ -1,3 +0,0 @@
1 f <- function(x) {
2   x
3 }
```

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)" by user "maurolepore" committed "1 minute ago". The commit message is "New my_f()", and the footer text reads "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" by user "maurolepore" committed "2 days ago".

pr_sync()

The screenshot displays the RStudio environment with the following components:

- Source Editor:** Contains a function definition for `my_f` with four lines of code:

```
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 current environment objects:
 - 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: 'C Remove f.R', 'C Edit g() to use my_f()', 'C Move g() to my_f.R', 'merge upstream/master', '[C] New `my_f()` (#5 @contributor)', 'C New g()', 'C New f()', and 'M Add README.md'. The main area shows a list of commits by Mauro Lepore, with the most recent commit 'f05da851' highlighted. Below the commit list, the file 'my_f.R' is shown with a diff view. The diff highlights changes in the function definition, with a red line for the removal of 'f(x)' and a green line for the addition of 'my_f(x)'.

Commit Message	Author	Date	SHA-1
C Remove f.R	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
merge upstream/master	Mauro Lepore <maurolepore@gmail.com>	2019-11-04	c90e31b1
[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
C New f()	Mauro Lepore <maurolepore@gmail.com>	2019-11-04	fad9ec76
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
@@ -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 }
```