

?

git如何合并只有两个commit到一个

暗爪

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最佳答案

推荐于2016-05-01 08:28:13

用rebase -i

比如下图的commit 历史，想要把 "Second change" 和 "Third change" 这两个commit合并到一起

```
commit 5f68c4fee5a8fd718d52c84d62824dd6be471aa8
Author: test <test@example.com>
Date: Tue Oct 28 18:31:28 2014 +0800

    Fourth change.

commit fe38349283caea32f7c8c2d4f357a388c629b23e
Author: test <test@example.com>
Date: Tue Oct 28 18:38:58 2014 +0800

    Third change

commit 6214e6442744e018063a6d278e18f3ee73100f9
Author: test <test@example.com>
Date: Tue Oct 28 18:38:42 2014 +0800

    Second change

commit 7a734e9d47895e096313003d6a2e4f697a16e2e3
Author: test <test@example.com>
Date: Tue Oct 28 18:38:28 2014 +0800

    First change

commit dcf18e5897cd7ba9de463818642e269c7587c366
Author: test <test@example.com>
Date: Tue Oct 28 18:29:43 2014 +0800

    Initial commit
```

那么可以

1	git rebase -i 7a734e9d47895e096313003d6a2e4f697a16e2e3
---	--

注意 7a734e9d47895e096313003d6a2e4f697a16e2e3 是 "Second change" 的前一个commit I D。

然后会出现编辑器 (具体什么编辑器看你的配置，在linux下，默认是 vi)列出从 7a734e 后面的所有 commit，如下图

```
pick 6214e64 Second change
pick fe38349 Third change
pick 5f68c4f Fourth change.

# Rebase 7a734e9..5f68c4f onto 7a734e9
#
# Commands:
# p, pick = use commit
# r, reword = use commit, but edit the commit message
# e, edit = use commit, but stop for amending
# s, squash = use commit, but meld into previous commit
# f, fixup = like "squash", but discard this commit's log message
# x, exec = run command (the rest of the line) using shell
#
# These lines can be re-ordered; they are executed from top to bottom.
#
# If you remove a line here THAT COMMIT WILL BE LOST.
#
# However, if you remove everything, the rebase will be aborted.
#
# Note that empty commits are commented out
```

因为我们要把 "Second change" 和 "Third change" 合并到一起，所以只需要把 "Third change"前面的那个 pick 改成 squash即可，意思是将 "Third change" 和 它前一个commit（即

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修改后应该是这样

```
pick 6214e64 Second change
squashe3fe30349 Third change
pick 5f60c4f Fourth change.

# Rebase 7a734e9..5f60c4f onto 7a734e9
#
# Commands:
# p, pick = use commit
# r, reword = use commit, but edit the commit message
# e, edit = use commit, but stop for amending
# s, squash = use commit, but meld into previous commit
# f, fixup = like "squash", but discard this commit's log message
# x, exec = run command (the rest of the line) using shell
#
# These lines can be re-ordered; they are executed from top to bottom.
#
# If you remove a line here THAT COMMIT WILL BE LOST.
#
# However, if you remove everything, the rebase will be aborted.
#
# Note that empty commits are commented out
```

然后保存退出编辑器，git 就会执行rebase操作，当他遇到 "Second" 和 "Third" 的时候，会再次启动编辑器告诉你即将合并，让你提供commit message，如下图

```
# This is a combination of 2 commits.
# The first commit's message is:
Second change
# This is the 2nd commit message:
Third change

# Please enter the commit message for your changes. Lines starting
# with '#' will be ignored, and an empty message aborts the commit.
# rebase in progress; onto 7a734e9
# You are currently editing a commit while rebasing branch 'master' on '7a734e9'.
#
# Changes to be committed:
#   modified:   a.c
#
```

默认的包括了两个commit的原始消息，你可以在这里任意修改commit message，比如改成 "Second and Third changes in single commit"，然后保存退出，git就会把这两个commit变成一个新的commit。做完后我们再用git log看一下，就会变成下图

```
~/test/test$ git log
commit 84d98395d3e587ad9f5b03fe903fe03f5021e864
Author: test <test@example.com>
Date: Tue Oct 28 18:31:28 2014 +0800

    Fourth change.

commit cccb069177babafdl1aefb19da5cbef737cb0f234
Author: test <test@example.com>
Date: Tue Oct 28 18:30:42 2014 +0800

    Second and Third changes in single commit.

commit 7a734e9d47895e096313003d6a2e4f697a16e2e3
Author: test <test@example.com>
Date: Tue Oct 28 18:30:20 2014 +0800

    First change

commit dcf10e5897cd7ba9de463018642e269c7507c366
Author: test <test@example.com>
Date: Tue Oct 28 18:29:43 2014 +0800

    Initial commit
```

对比原始git log信息，你就可以发现两个commit被合成一个了。

同理，你可以将任意多个commit合并成一个（第一个commit保持 pick，后续commit改成 squash即可）

本回答由提问者推荐

评论(1)

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