

The Art of Git branching

Or How to manage a repo in an elegant way

But first.

Who does not know
about Git?

...and claims to be a ninja rockstar developer

Menu for tonight

- Boring intro
- Know your fundamentals
- Branching and PR
- Rebasing
- Squashing

Introduction

- Created in 2005 By Linus Torvalds
- Central server
- Non linear workflow
- <https://github.com/git/git>



Learn

- <https://git-scm.com/documentation>
- <http://learngitbranching.js.org/>
- <https://try.github.io/>



Trivia time



git add -A

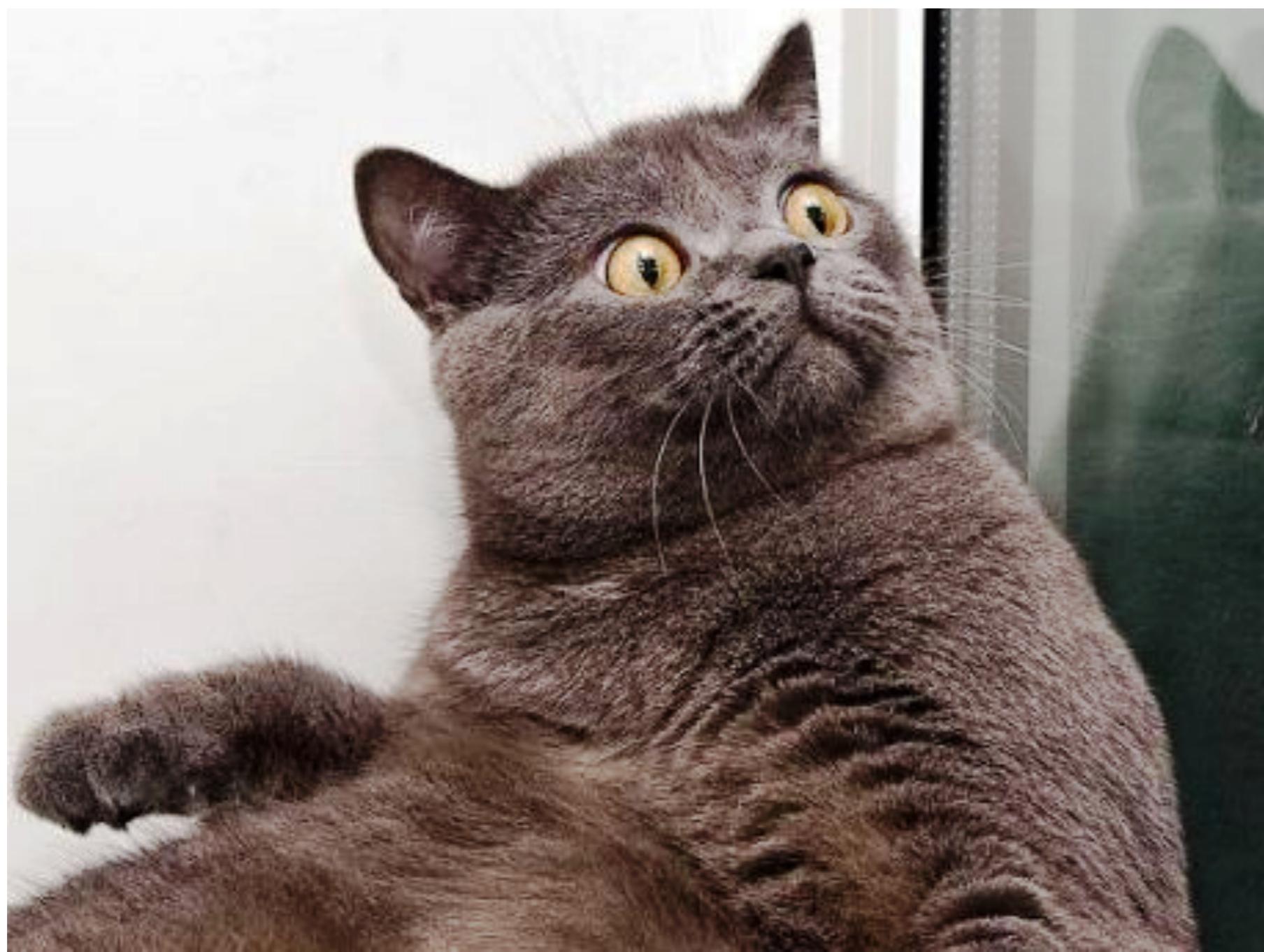
```
git commit -am "Foo"
```

git checkout HEAD^

git checkout HEAD~3

git push origin
master

git push origin
master:foobar



Git branching

In real life

Branching / PRs

- New feature
- Fix
- Refactor
- Enhancement



[Code](#)[Issues 0](#)[Pull requests 0](#)[Pulse](#)[Graphs](#)[Settings](#)

Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#).

base: [update-readme](#) ▾

...

compare: [modifications-to-143v](#) ▾

Able to merge. These branches can be automatically merged.

Please review the [guidelines for contributing](#) to this repository.

Modifications to 143v *

[Write](#)[Preview](#)

AA B i « » @

Leave a comment

Attach files by dragging & dropping, [selecting them](#), or pasting from the clipboard.

Styling with Markdown is supported

[Create pull request](#)

Labels

None yet

Milestone

No milestone

Assignee

No one—assign yourself

3 commits

2 files changed

0 commit comments

2 contributors



Commits on Aug 06, 2015



bernars

Merge pull request #1 from octo-org/update-readme ...

1509fa5



Commits on Nov 04, 2015



leever

Add Branch 1 document

d3ae014

Rebasing

Rebasing

- You rewrite history
- Elegant for solving minor merge conflicts
- Potentially hazardous



Rebasing

- Interactive rebase - `git rebase -i {COMMITS}`
- Rebasing branch - `git rebase {BRANCH_NAME}`

Squashing

Squashing

- Merges multiple commits into a single one
- For massive projects - history is easier to browse
- When rebasing a long sequence - the best combo