

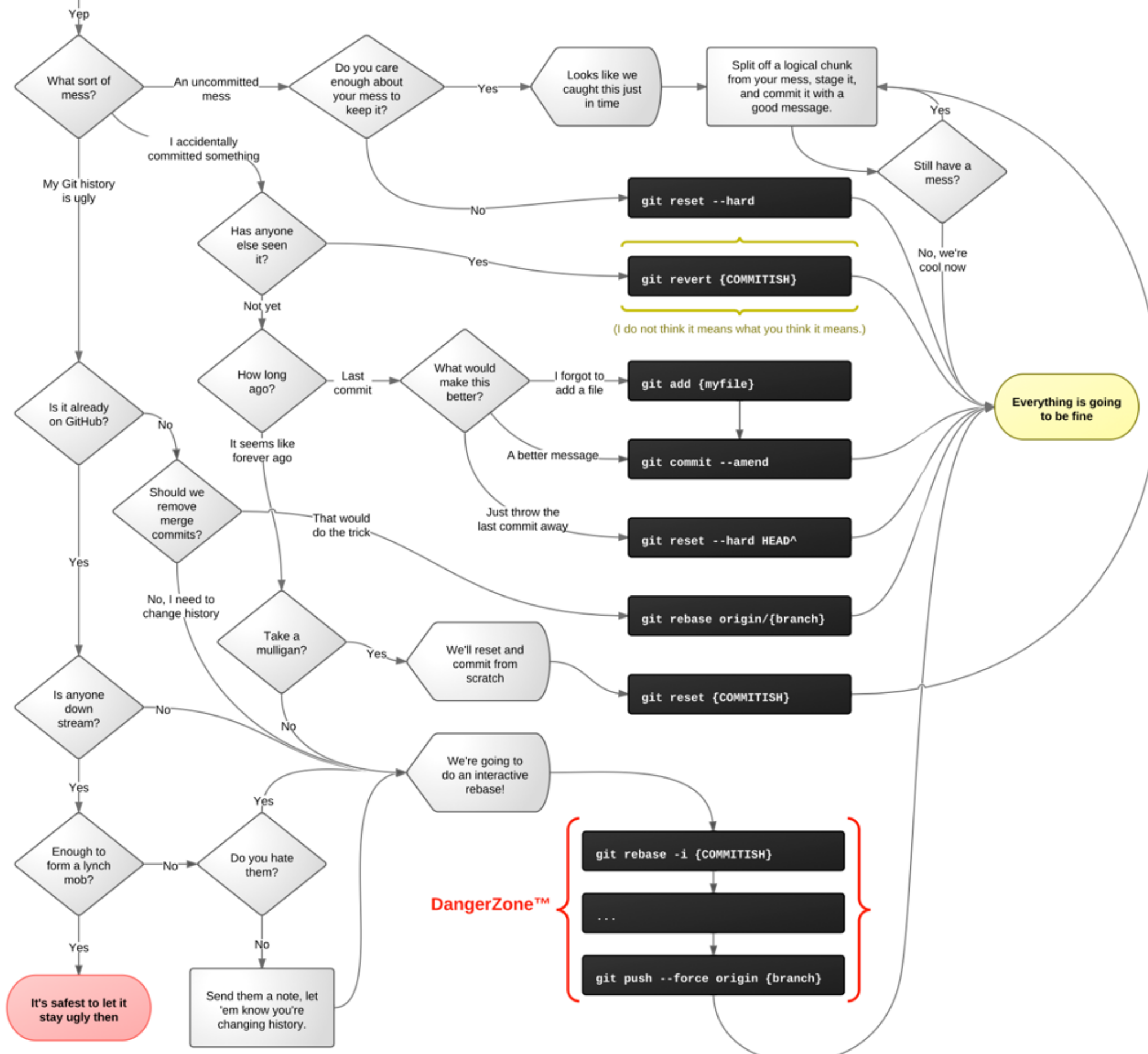
Sviluppo software in gruppi di lavoro complessi

Mattia Monga, Carlo Bellettini, ...

26 Ottobre 2016

So you have a mess on your hands

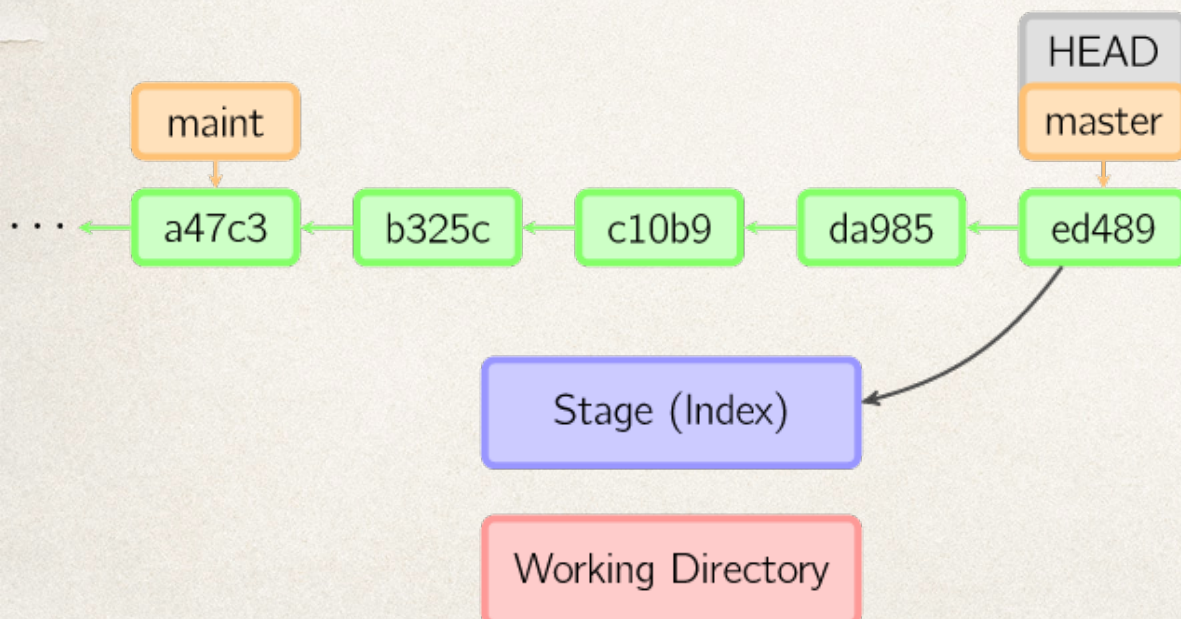
justin hileman
<http://justinhileman.info/git-pretty/>



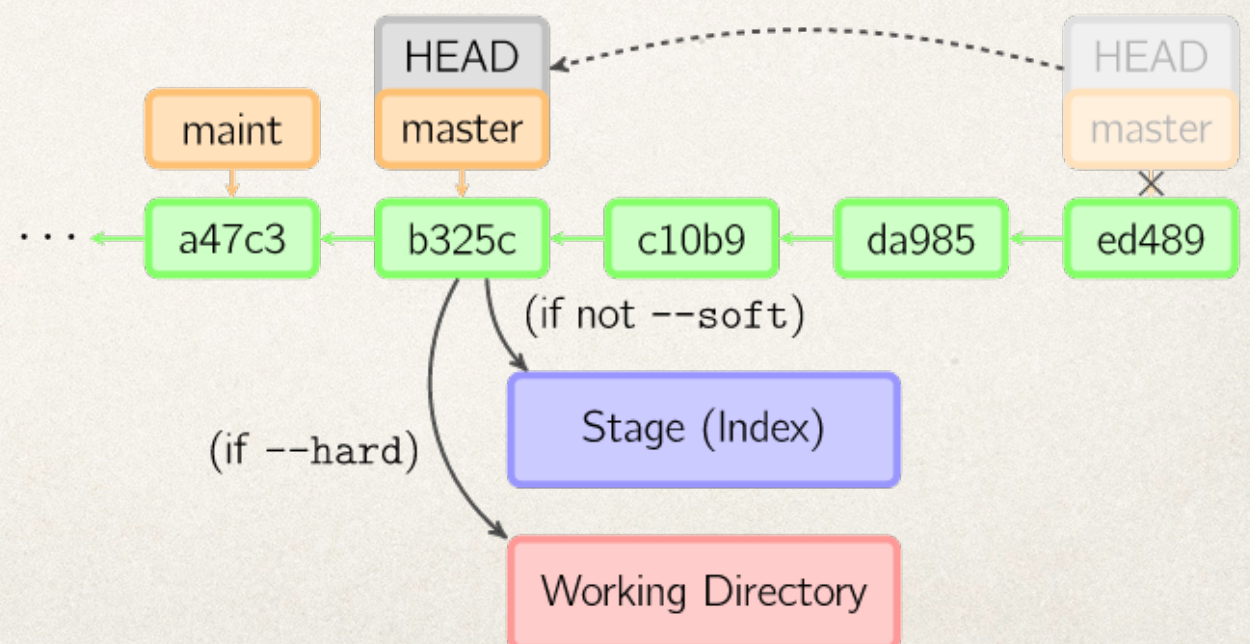
git reset [*ref*] [--] [*files*]

- ❖ simile a checkout ma:
- ❖ con *files*, non modifica working directory
- ❖ senza *files*, sposta non solo HEAD, ma anche il branch puntato

git reset -- files

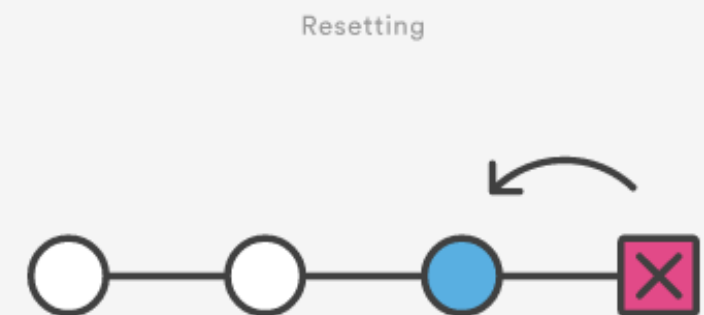
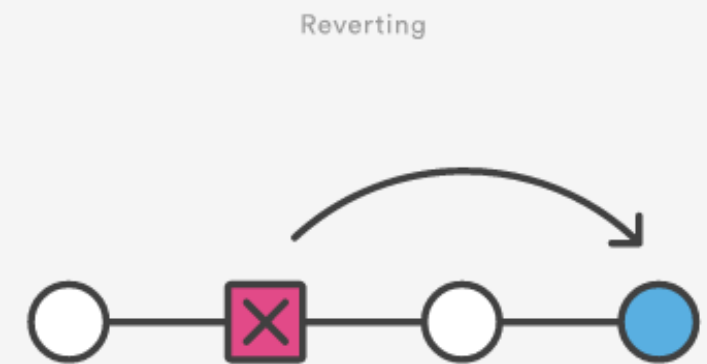


git reset HEAD~3

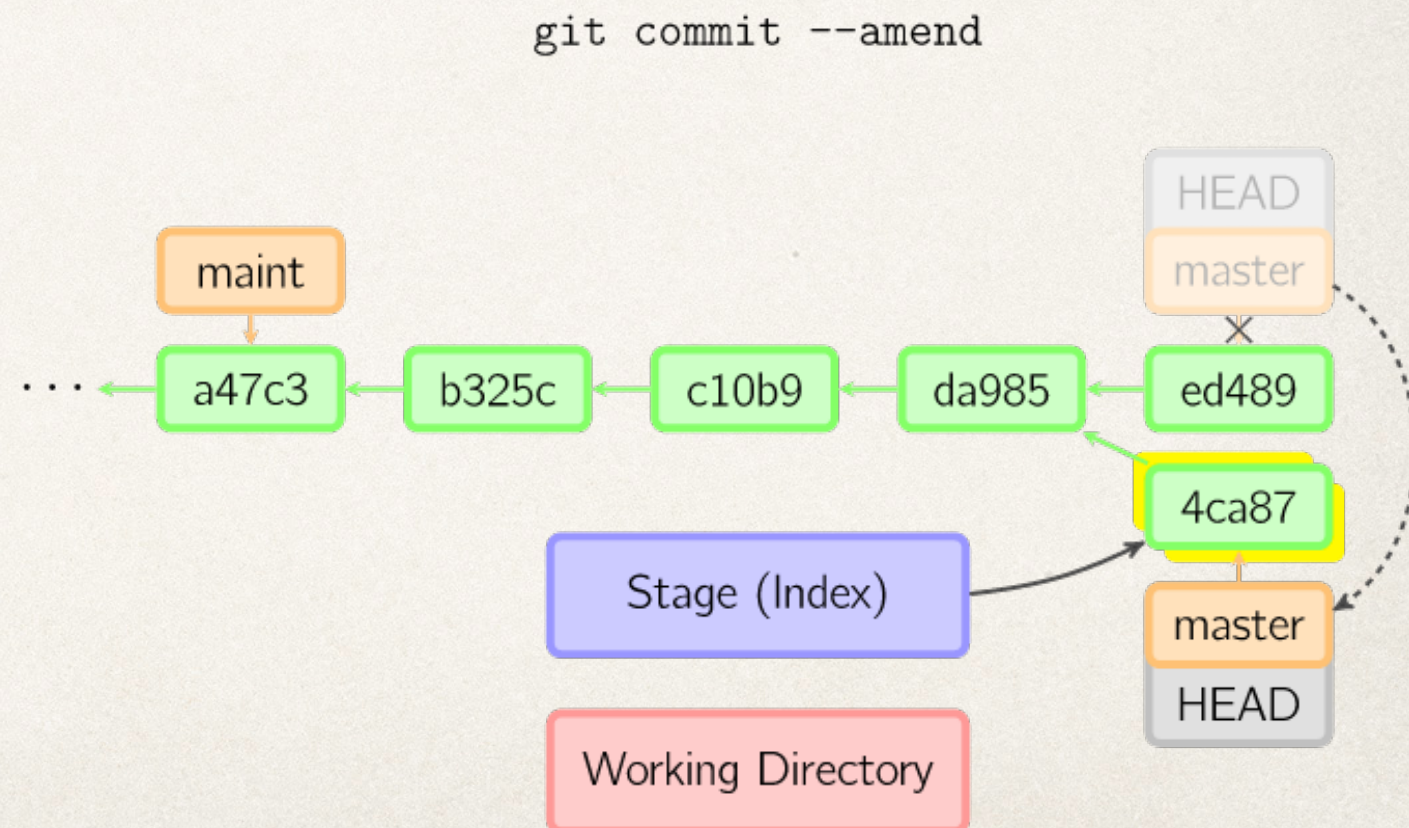
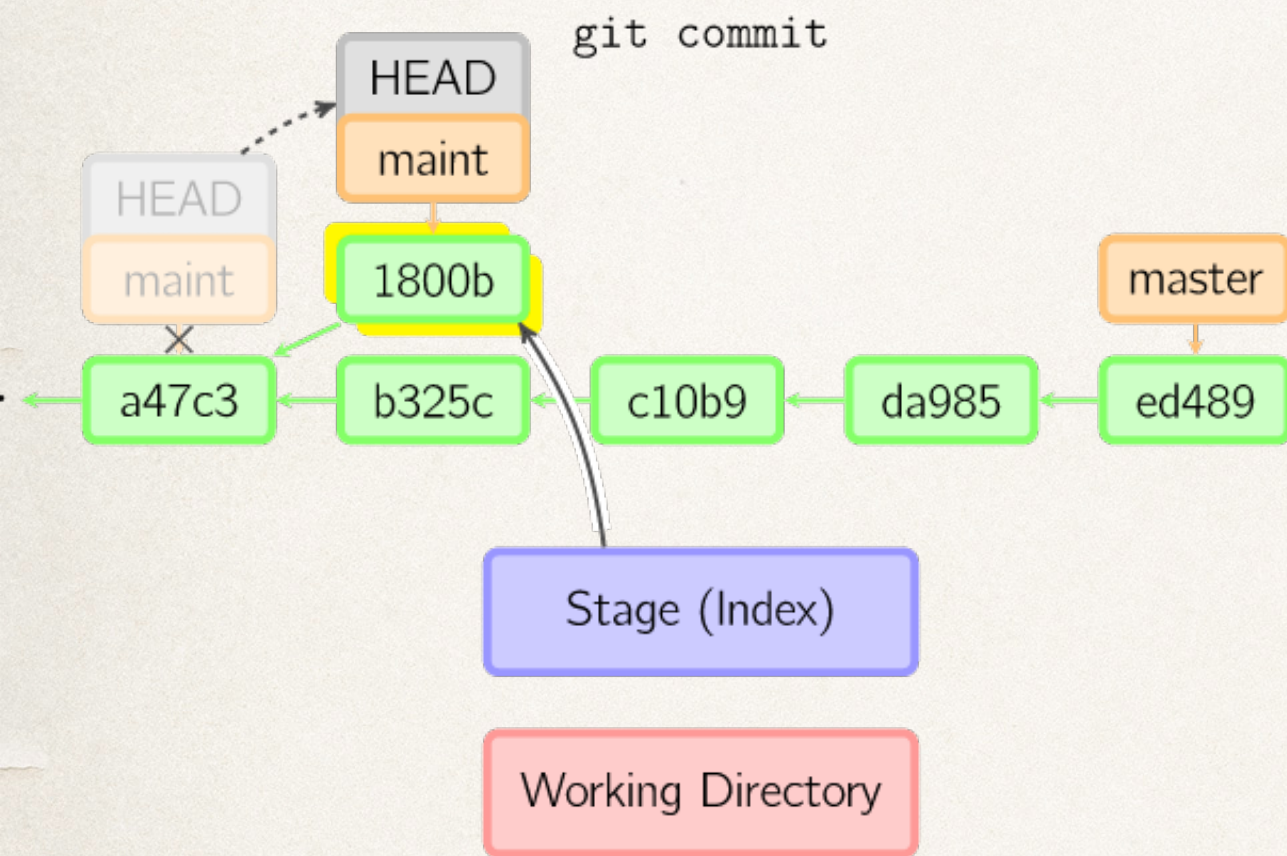


git revert

- ❖ Comando “safe” (al contrario ad esempio di reset)
- ❖ non distrugge o cambia storia ma crea un commit che inverte gli effetti del commit citato (che potrebbe anche non essere l'ultimo)



git commit



@geekandpoke



Oliver Widder @geekandpoke · 19 Aug 2014

git config --global alias.fuck "reset --hard
HEAD~1"



89



32



@geekandpoke 2



Oliver Widder @geekandpoke · 19 Aug 2014

```
git config --global  
alias.fuckYouAllYouBastards "push origin -f  
master"
```



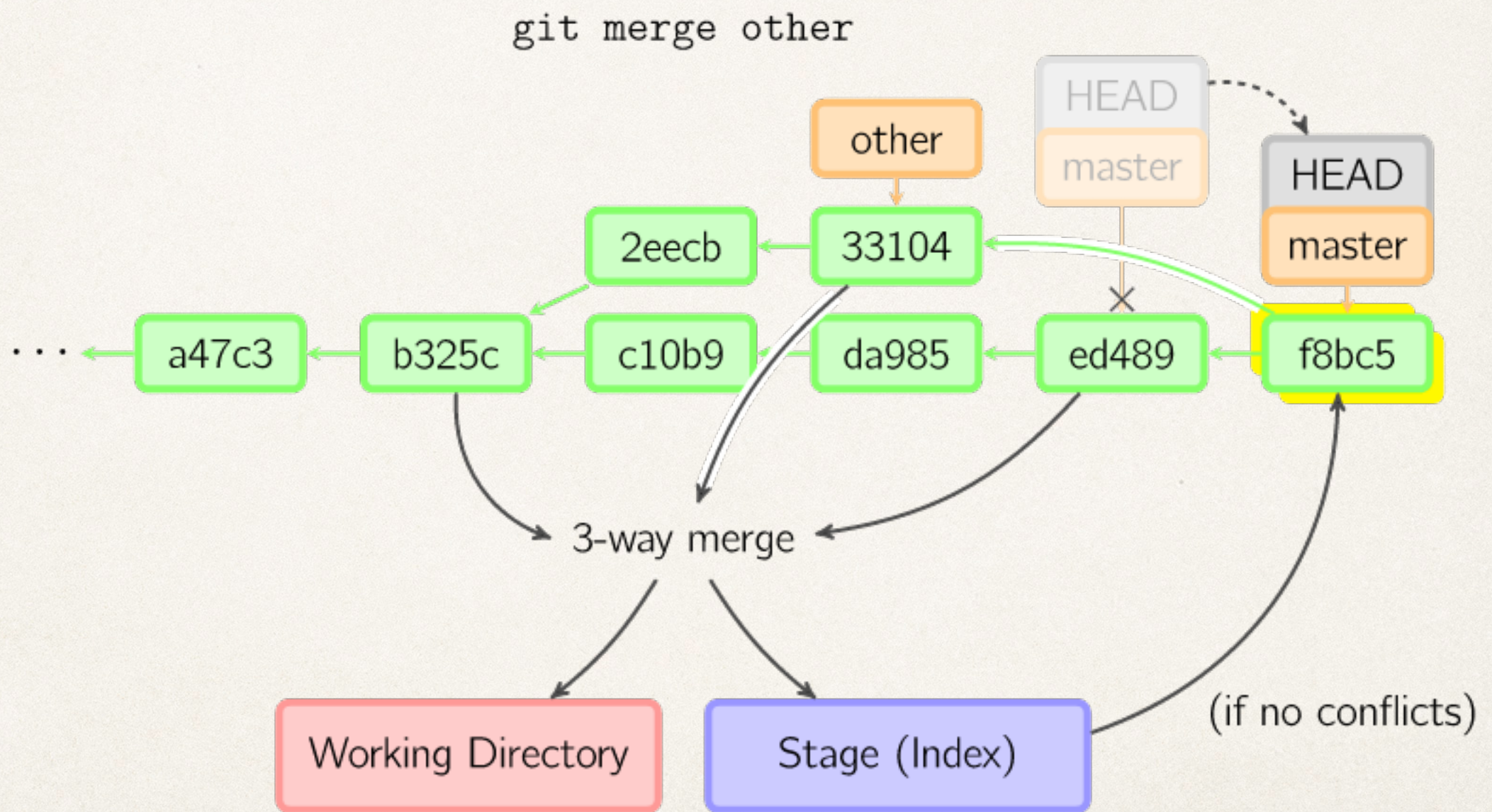
15



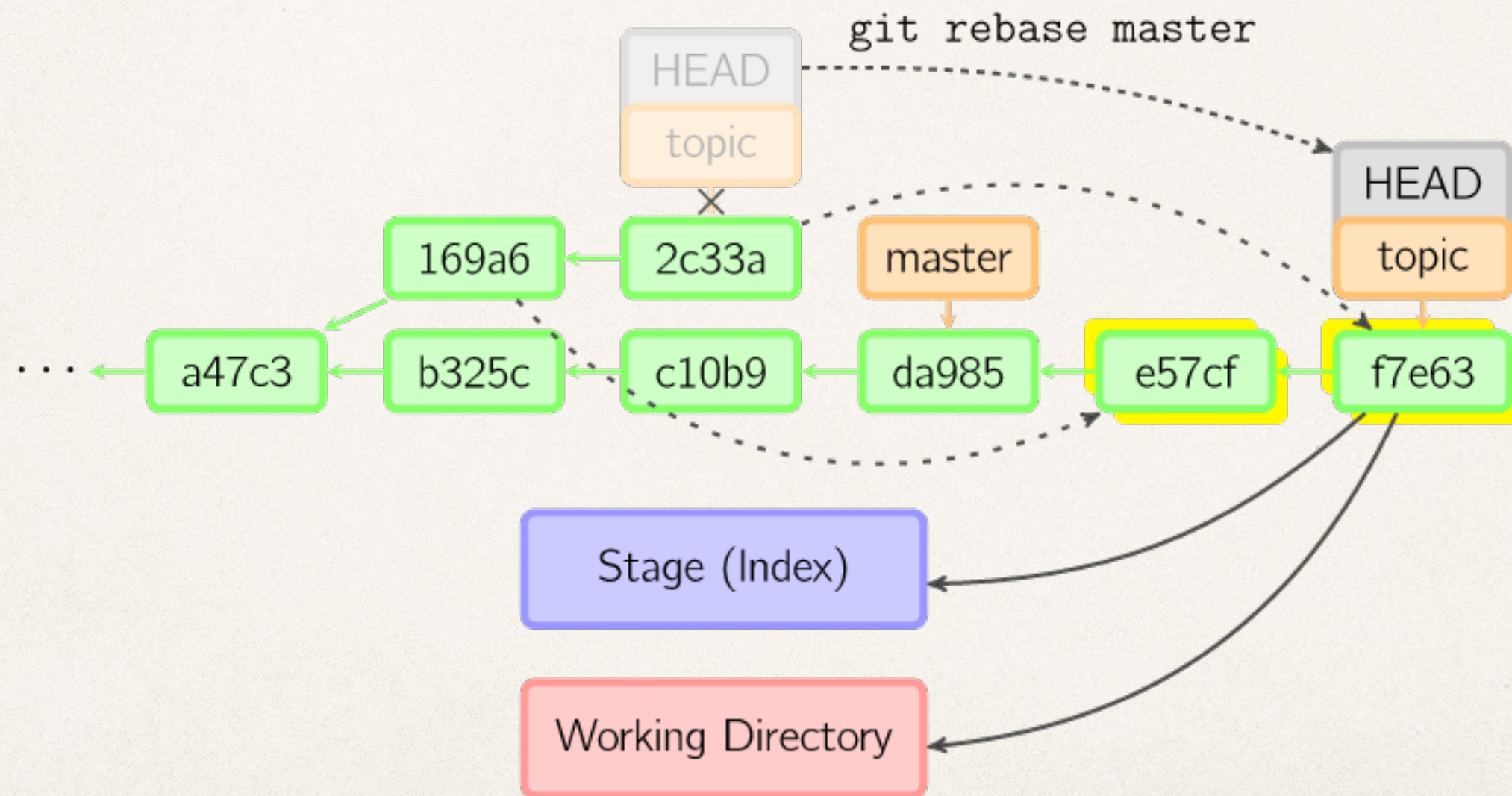
6



git merge



git rebase



git rebase — onto ...

```
      H---I---J topicB
      /
    E---F---G topicA
    /
A---B---C---D master
```

then the command

```
git rebase --onto master topicA topicB
```

would result in:

```
      H'--I'--J'  topicB
      /
      | E---F---G topicA
      | /
A---B---C---D master
```


git filter-branch [--] [<rev-list options>...]

- ❖ permette di riscrivere la storia in maniera ancora più completa...
- ❖ --env-filter
- ❖ --tree-filter
- ❖ --index-filter
- ❖ --msg-filter
- ❖ --subdirectory-filter
- ❖ ...

git filter-branch

- ❖ esempi

- ❖ fare come se un file non fosse stato mai versionato

- ❖ `git filter-branch --index-filter 'git rm --cached --ignore-unmatch filename' -- start..HEAD`

- ❖ ricavare un repository con solo il contenuto di una subdirectory

- ❖ `git filter-branch --subdirectory-filter foodir -- --all`

- ❖ fare come se alcuni file fossero sempre stati in una sottodirectory

- ❖ `git filter-branch -f --tree-filter 'mkdir ._p ; mv * ._p; mv ._p core;' -- --all`