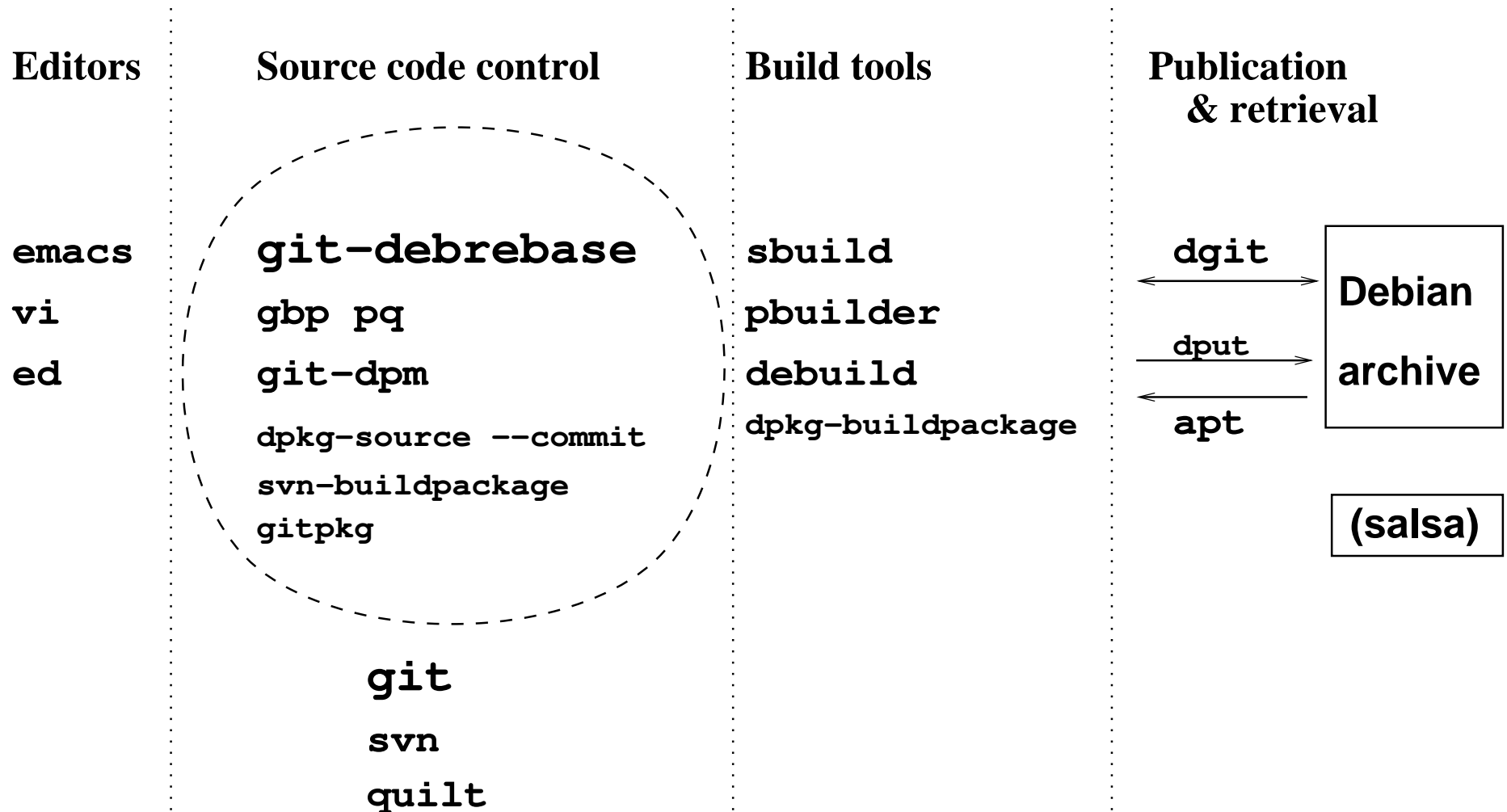


git-debrebase – context



Ian Jackson & Sean Whitton
Debconf 2018 Hsinchu

git-debbase – features (1/3)

Standard `git-rebase` workflow

Delta queue editing is immediate and easy

... unlike any other tool

May always `git-cherry-pick` from upstream

May always `git-commit -m fixup!`

May make "mixed" commits

... unlike any other delta queue workflow

No in-tree metadata

... unlike `git-dpm`

git-debbase – features (2/3)

No need to switch branches

Tree is always `dpkg-buildpackage`'able

... unlike `gpb` `pq` and `git-dpm`

Working tree is never dirtied

- by patch application** **... unlike `gpb` `pq`**
- by metadata conflicts**
- by patch export** **... unlike `gpb` `pq`**

No reading diffs of diffs **... unlike `gpb` `pq`**

git-debrebase – features (3/3)

git-blame (and **git-log -- file**, **git-log -G**) work

Tree makes sense to upstreams & users

... like **dgit-maint-merge(7)** and **git-dpm**

No need to ever use **quilt(1)**

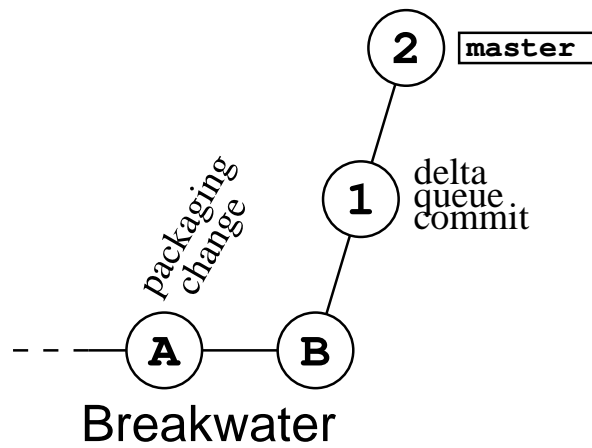
Can mostly ignore **3.0 (quilt) dsc**

3.0 (quilt) dsc output is always perfect

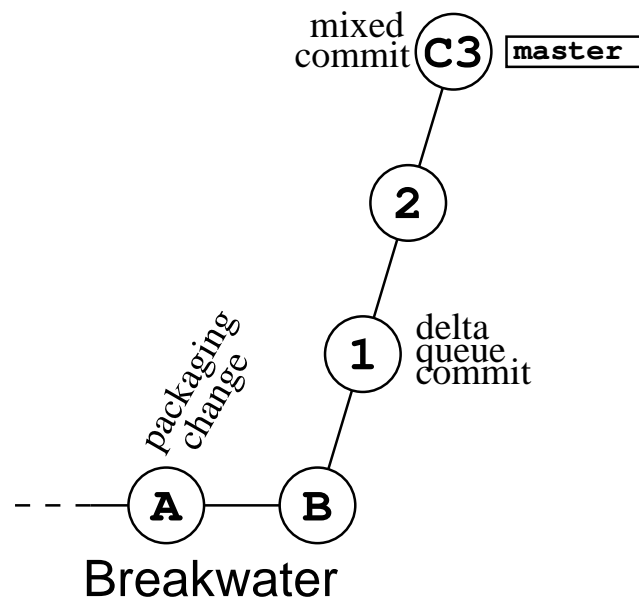
Directly compatible with **dgit**

No command needed to upload other than **dgit push-source**

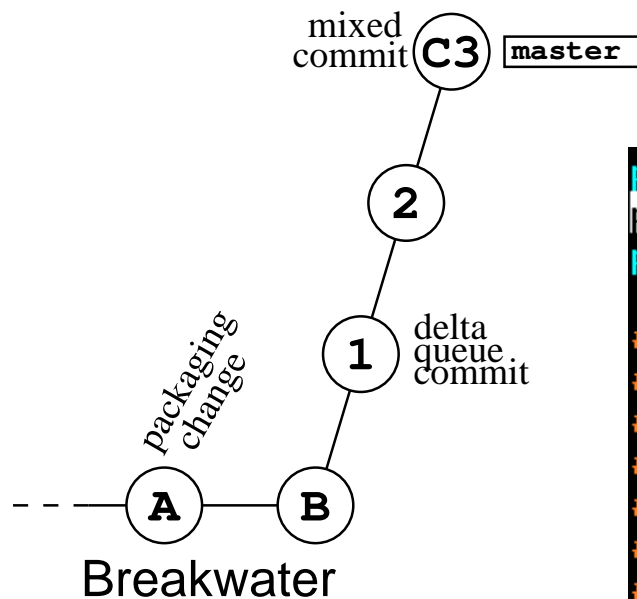
git-debrebase – commit history structure



git-debrebase – commit history structure



git-debrebase – commit history structure

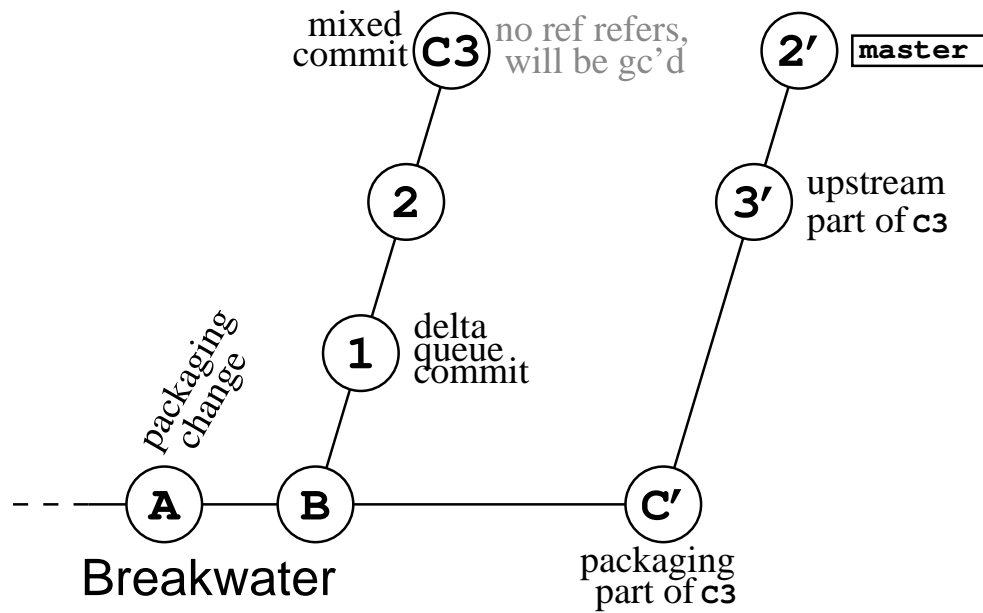


```
pick 4614657e Make Some Change 1
pick d426a1e9 Recently Added Change C3
pick fc88f762 Make Another Change 2

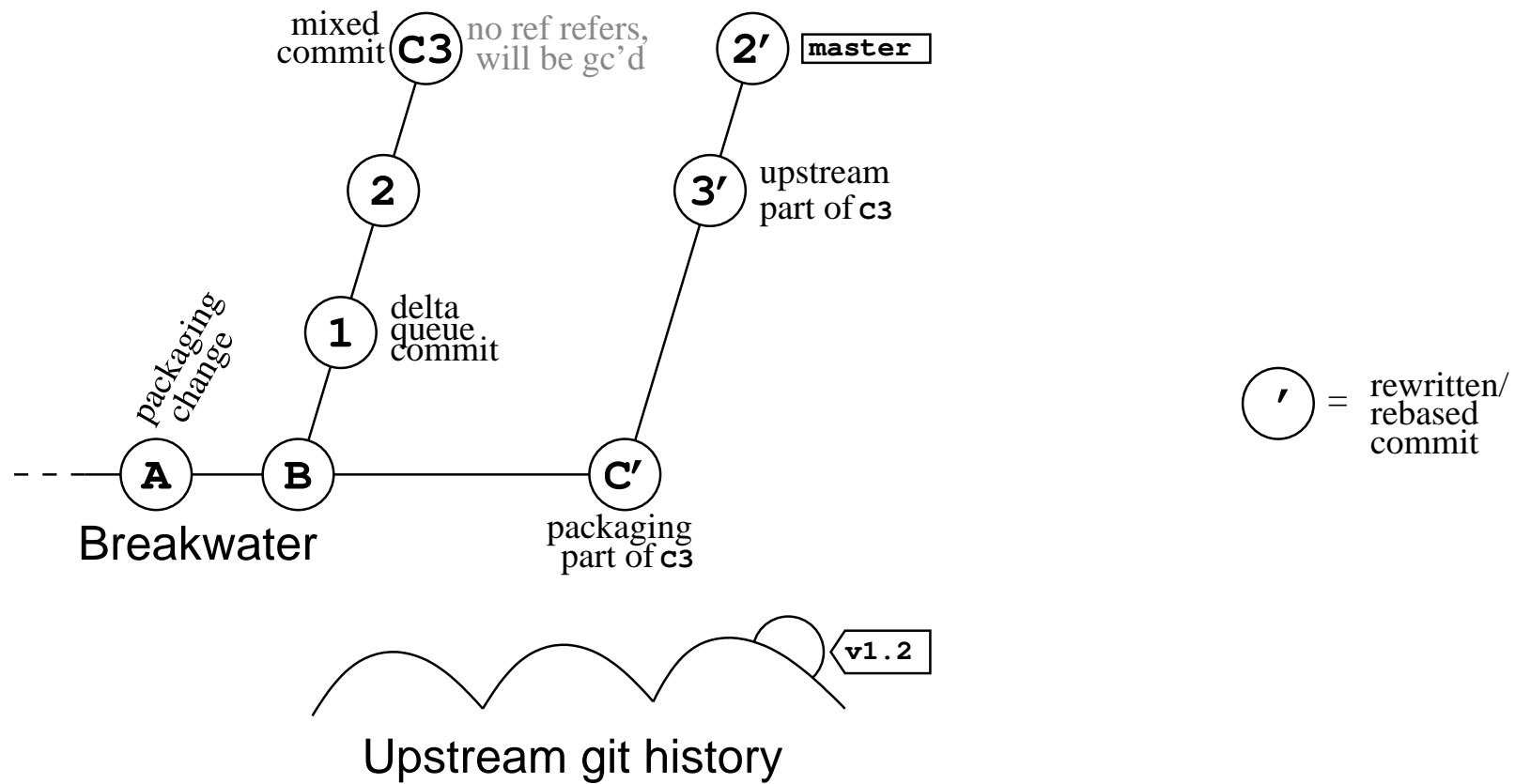
# Rebase e72e0477..d426a1e9 onto e72e0477 (6 commands)
#
# Commands:
# C-c C-c  tell Git to make it happen
# C-c C-k  tell Git that you changed your mind, i.e. abort
# p       move point to previous line
# n       move point to next line
# M-p     move the commit at point up
# M-n     move the commit at point down
# SPC     show the commit at point in another buffer
# RET     show the commit at point in another buffer a
```

git-debrebase – commit history structure

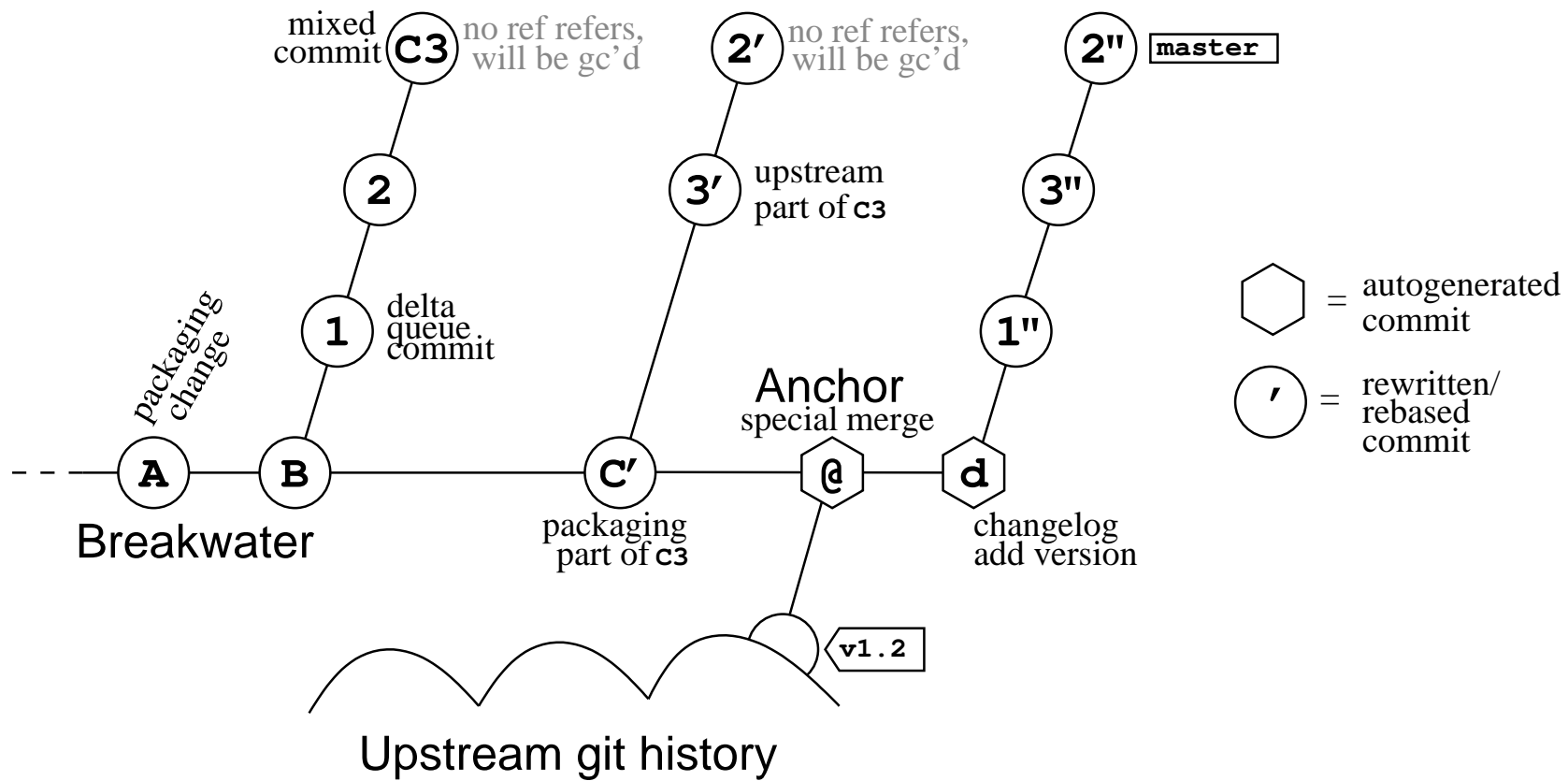
after git-debrebase



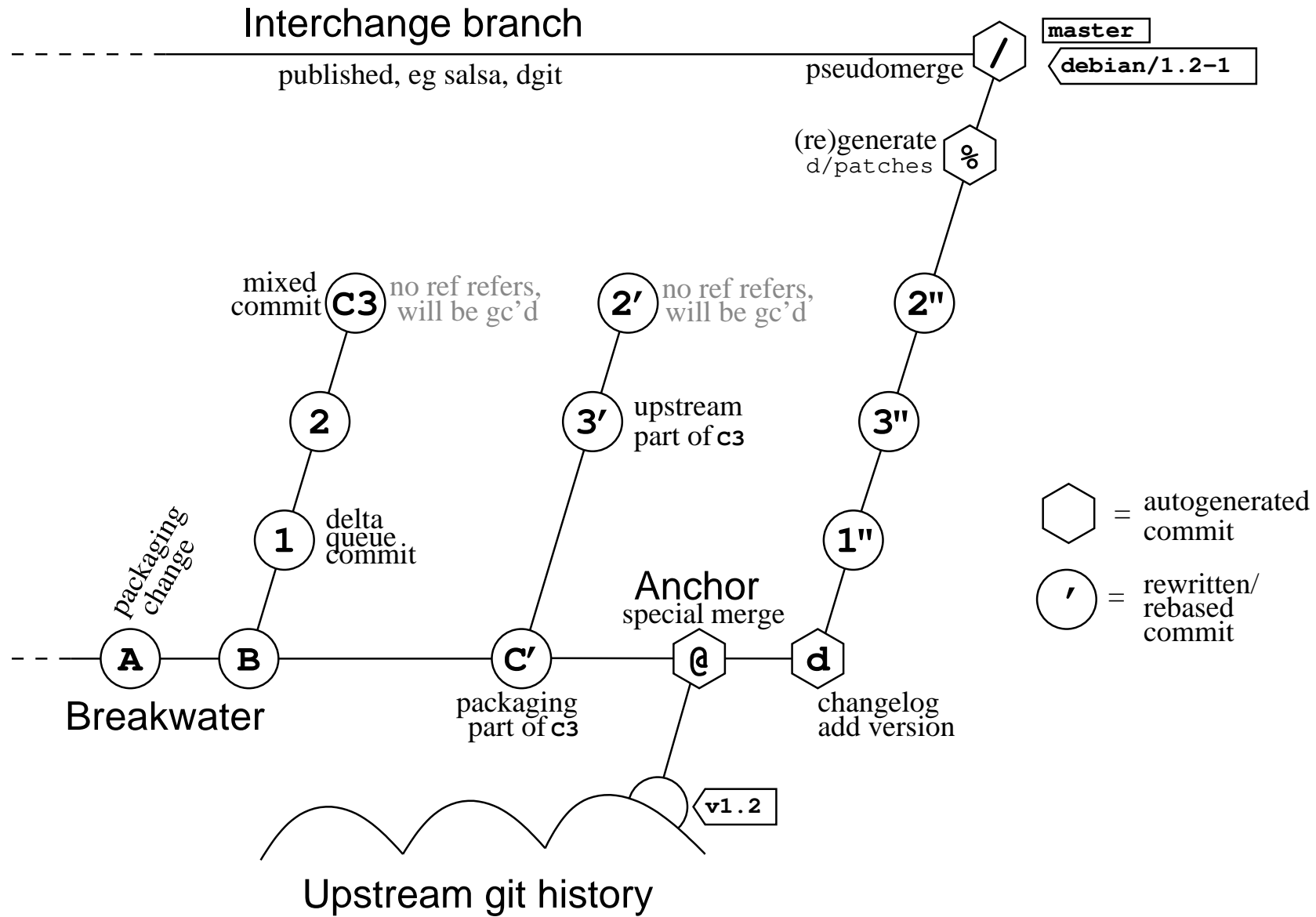
git-debrebase – commit history structure



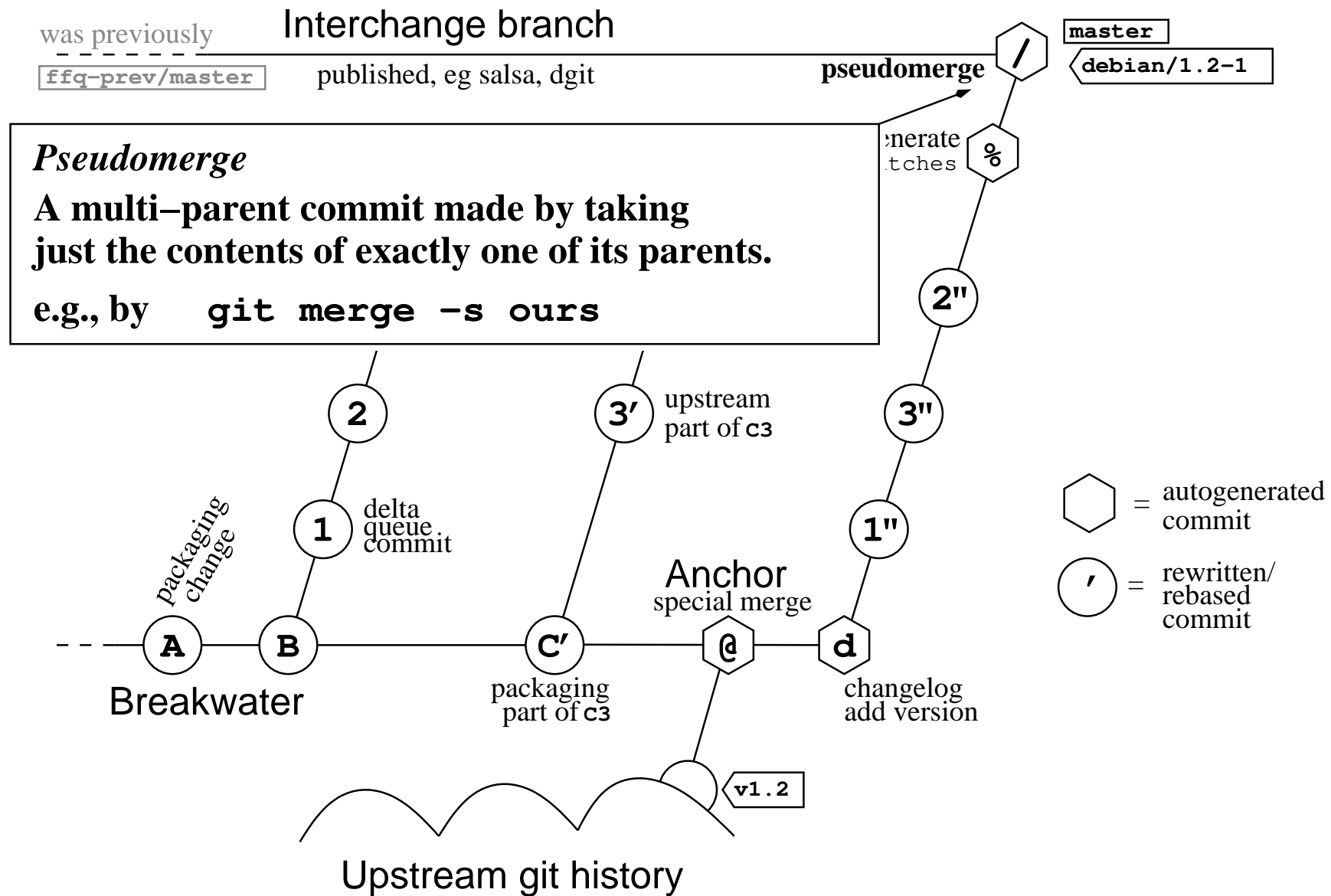
git-debrebase – commit history structure after new-upstream



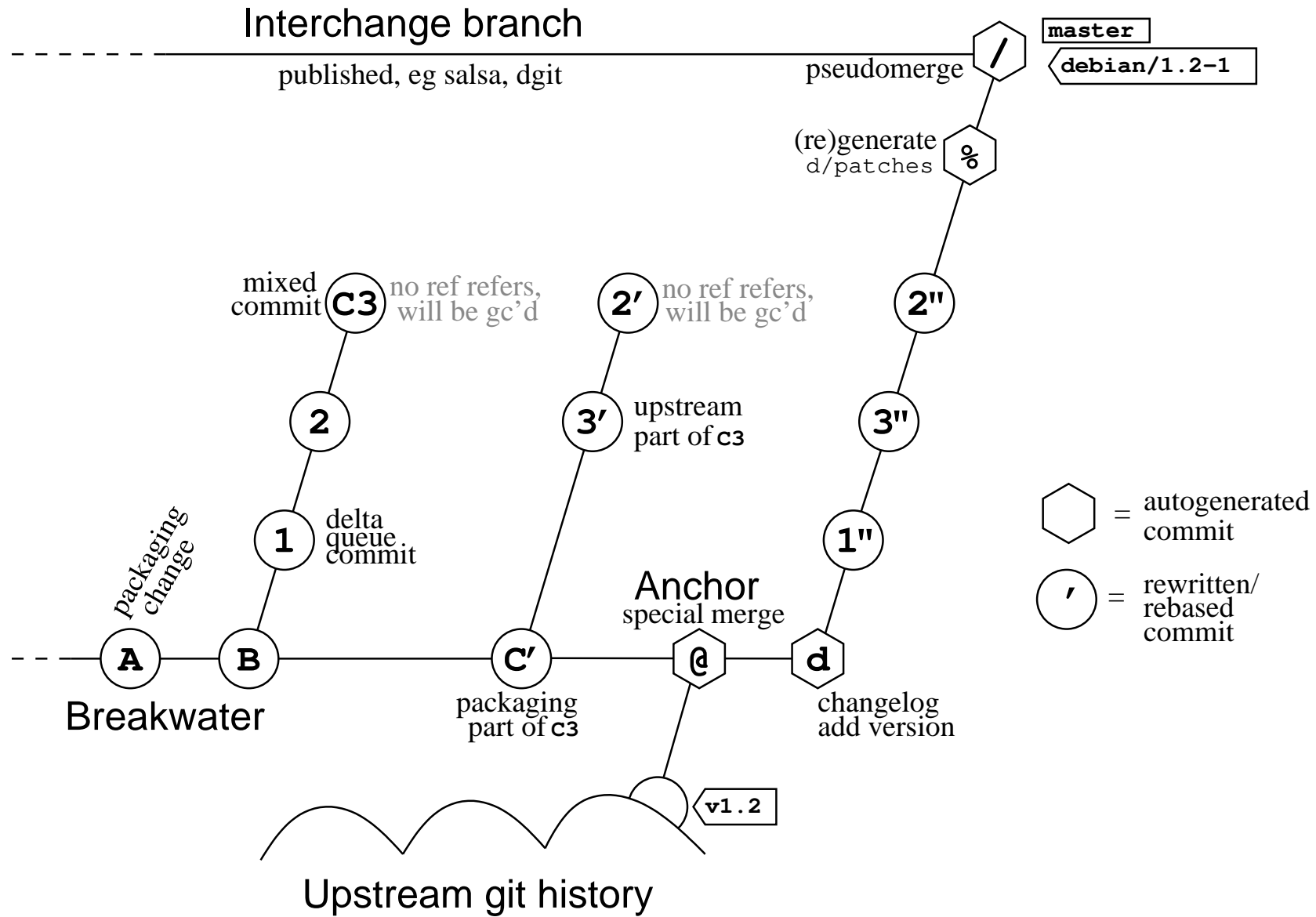
git-debrebase – commit history structure after upload



git-debbase – commit history structure after upload

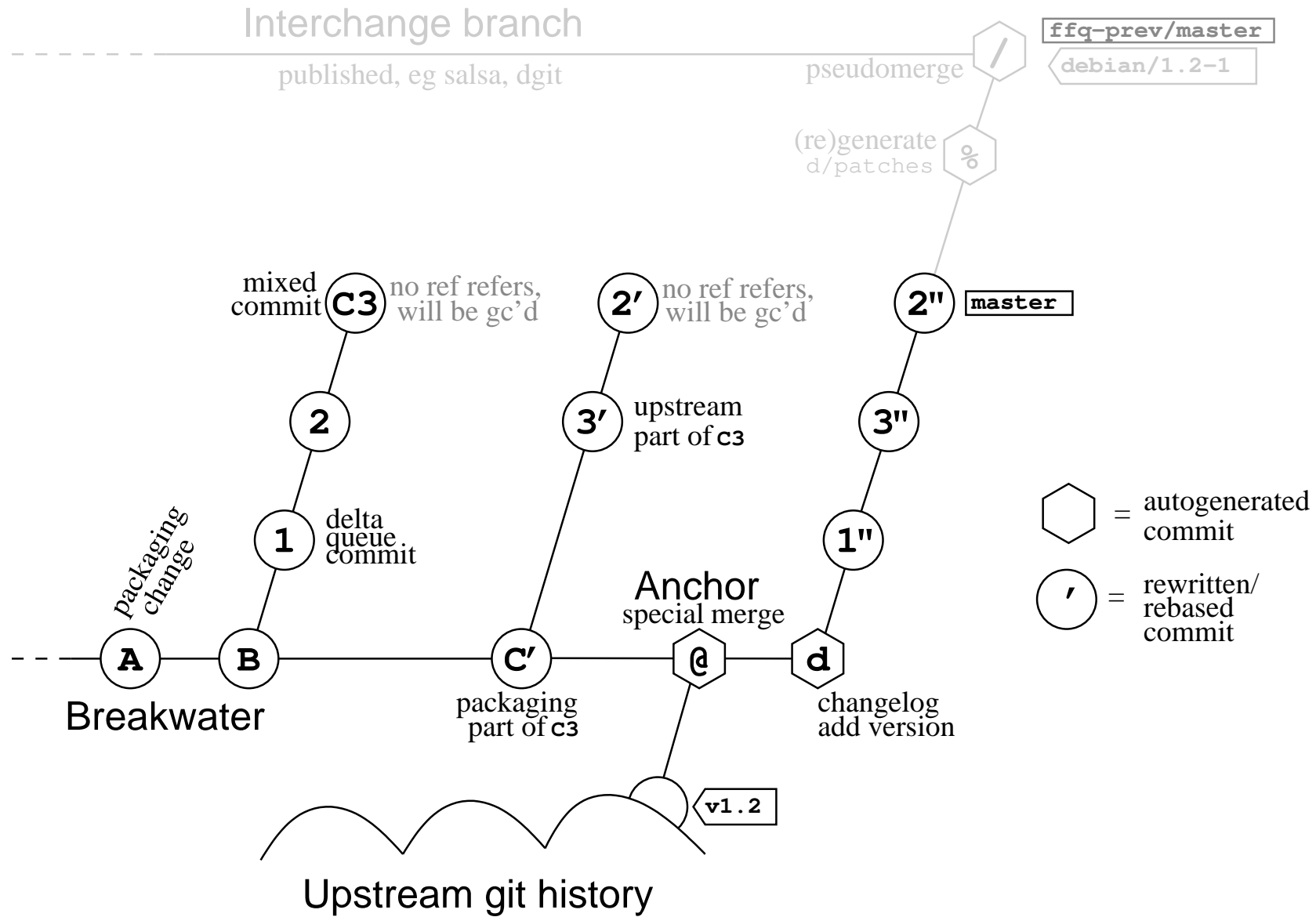


git-debrebase – commit history structure after upload

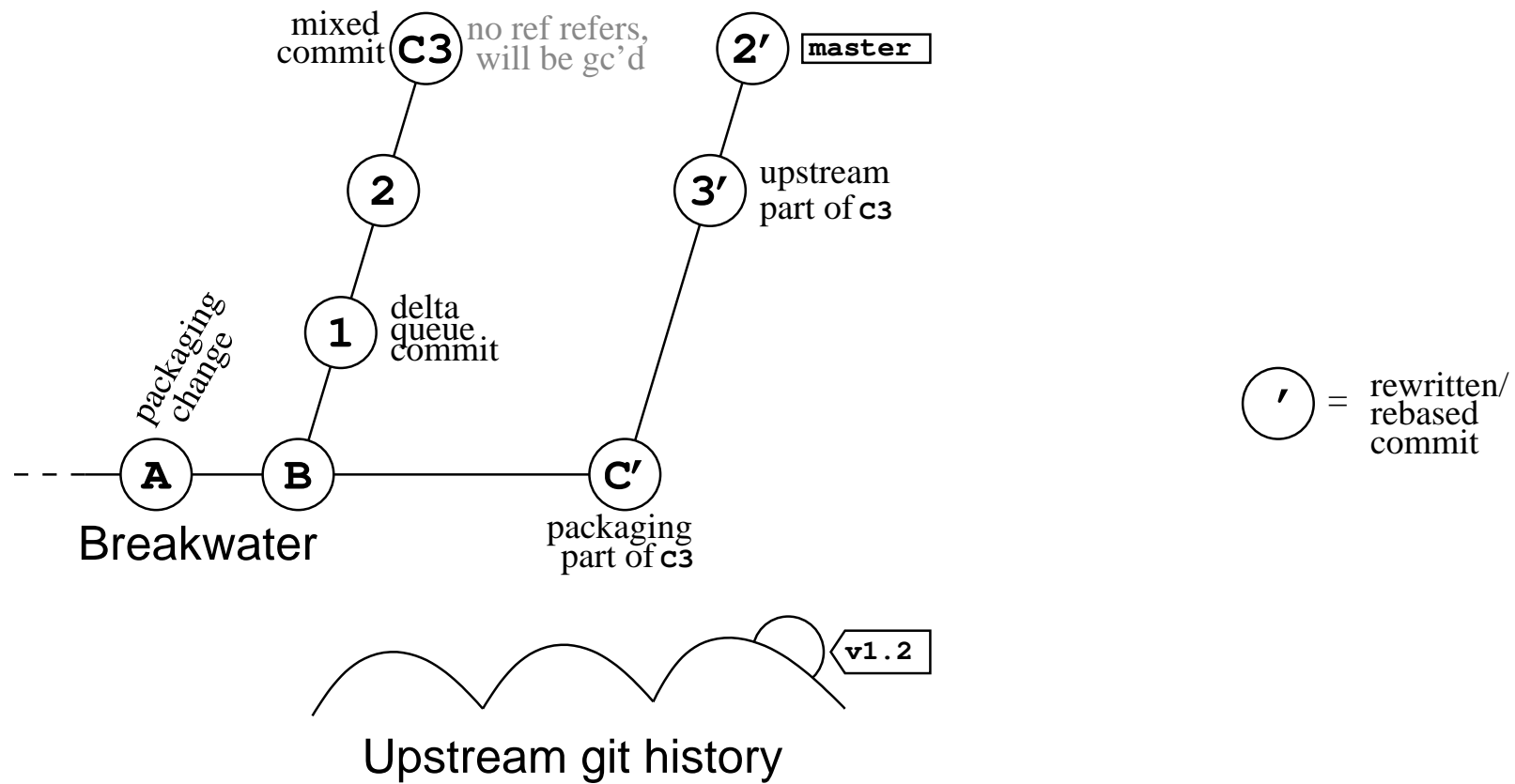


git-debrebase – commit history structure

rebasing again

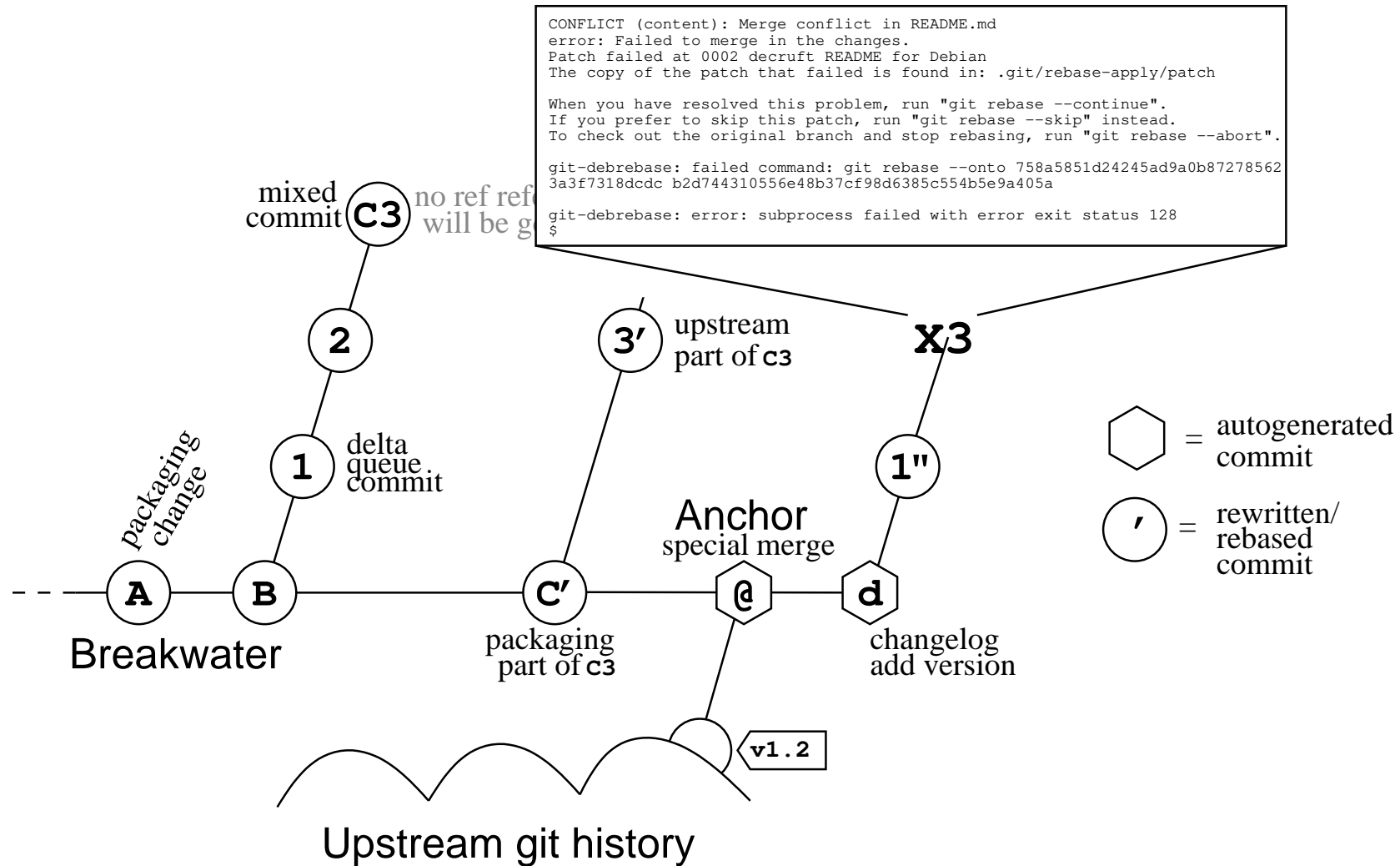


git-debrebase – commit history structure



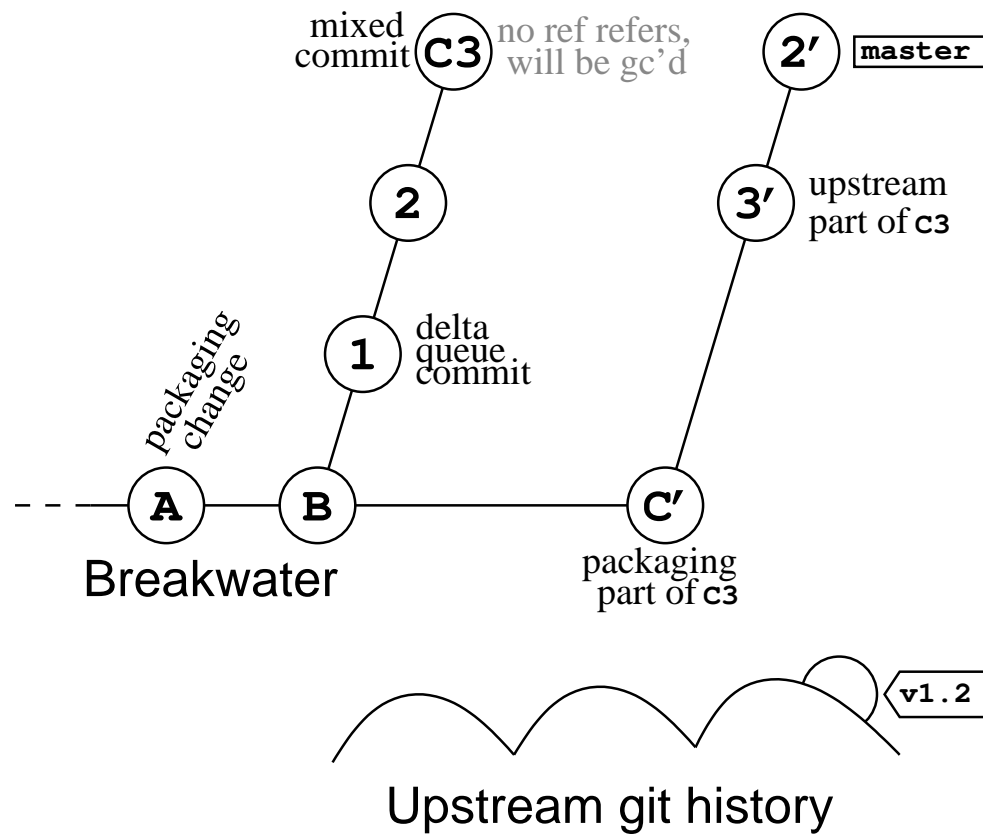
git-debrebase – commit history structure

failed rebase for new-upstream



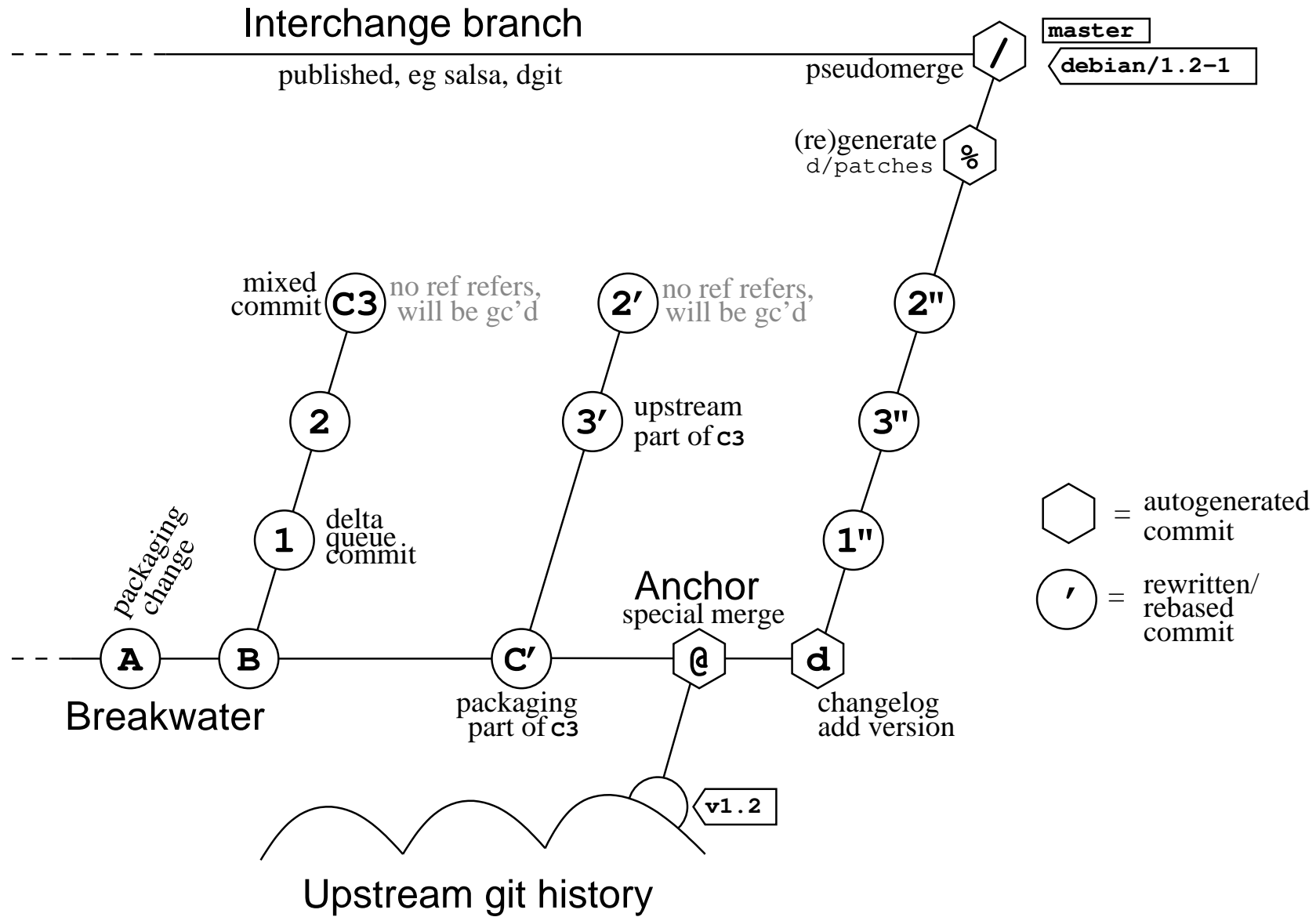
git-debrebase – commit history structure

aborted rebase
for new-upstream



∘' = rewritten/
rebased
commit

git-debrebase – commit history structure after upload



git-debbase – references

git-debbase .deb in testing and stretch-backports

dggit-maint-debbase (7) workflow tutorial
in dggit.deb

<https://manpages.debian.org/unstable/dggit-maint-debbase>

Debconf 18 git-debbase and dggit workshop
drop-in session (bring your laptop or just your questions)
Tuesday 10:00–11:45 room X

git-debbase (5) Formal reference manuals
git-debbase (1)

git debbase convert-from-gbp