

Rambling Git

Some rambling on using Git

Git: Where to start

Online Git book: <http://git-scm.com/doc>

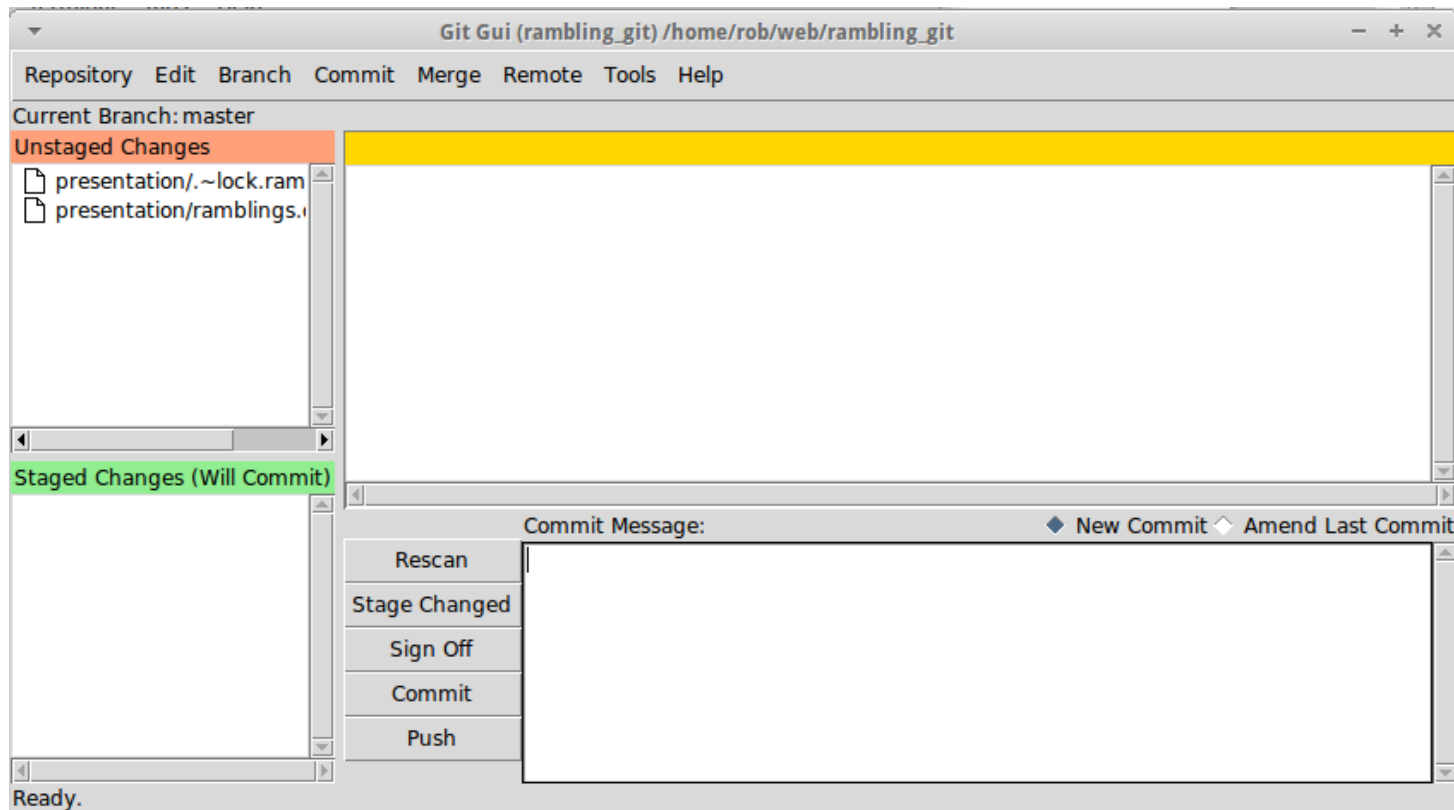
Git Gui

No one seems to use it, but I love it because:

- It means I don't have to remember so many commands.
- I get control and a nice view of files before I commit.
- It integrates nicely with gitk.
- It is cross platform. Works the same on Windows, Linux and Mac.

Get Gui

- On ubuntu: `sudo apt-get install git-gui`
- At the root of you app: `git gui`

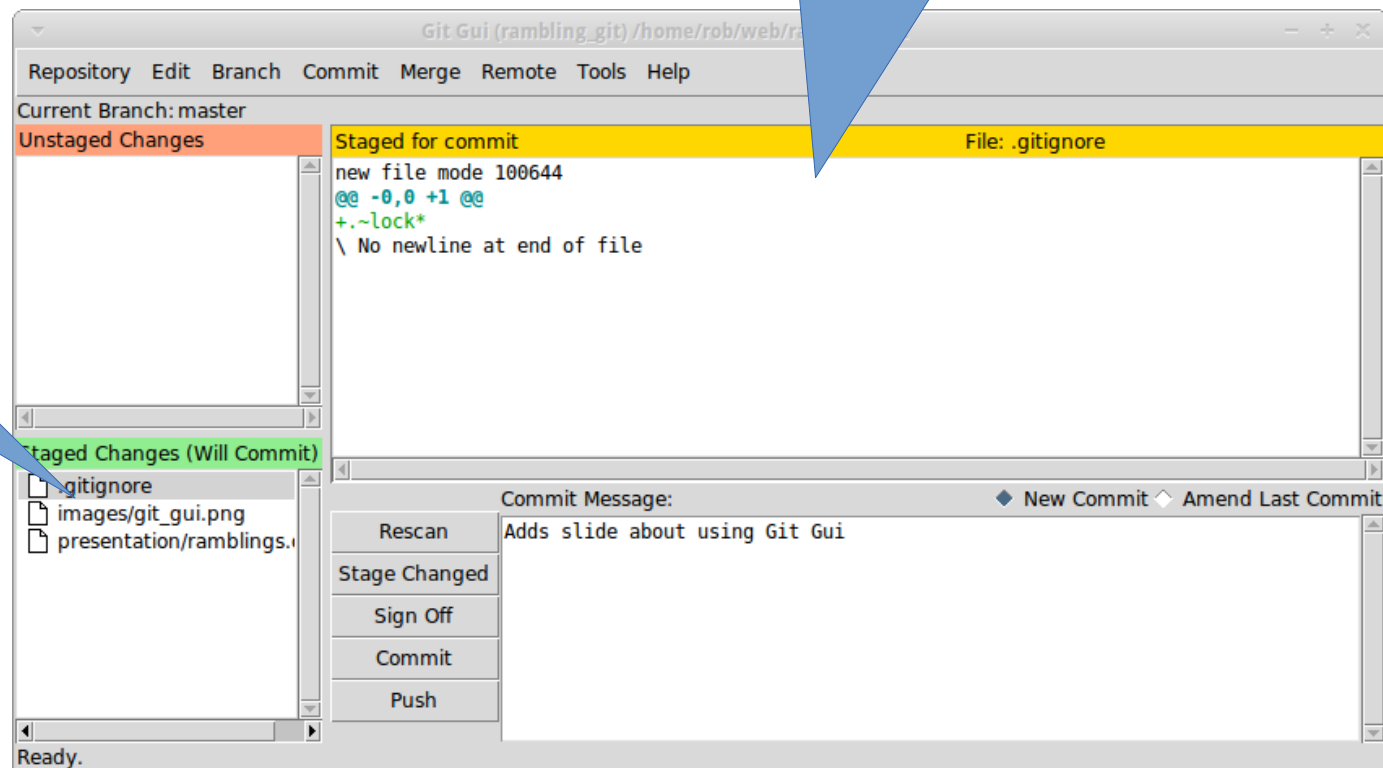


Committing

- Click 'Stage Changed', add a commit message, and click 'Commit'

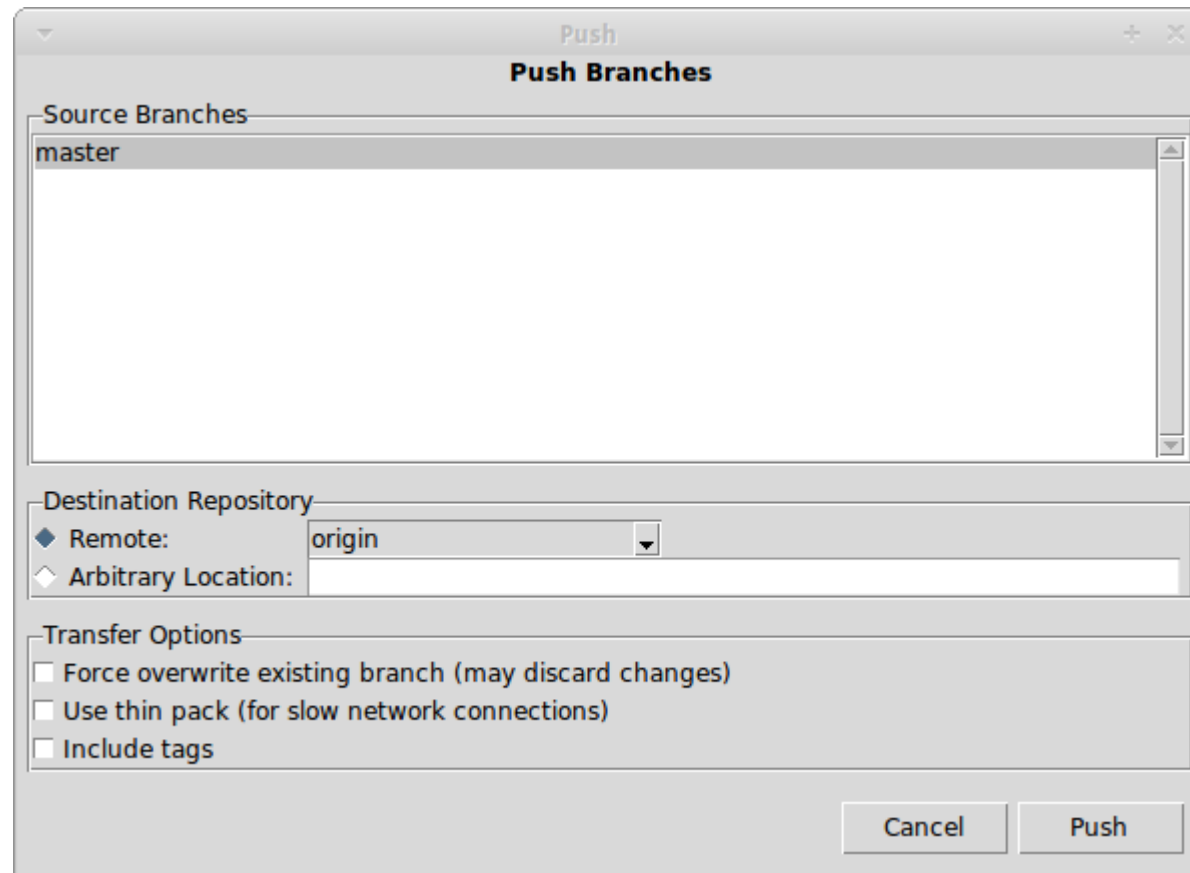
Details of changes to selected file easily reviewed

Files move to Staged Changes



Push

- Click 'Push'



Create a branch

Create Branch

Create New Branch

Branch Name

◆ Name:

◆ Match Tracking Branch Name

Starting Revision

◆ Revision Expression:

◆ Local Branch ◆ Tracking Branch ◆ Tag

master

Options

Update Existing Branch: ◆ No ◆ Fast Forward Only ◆ Reset

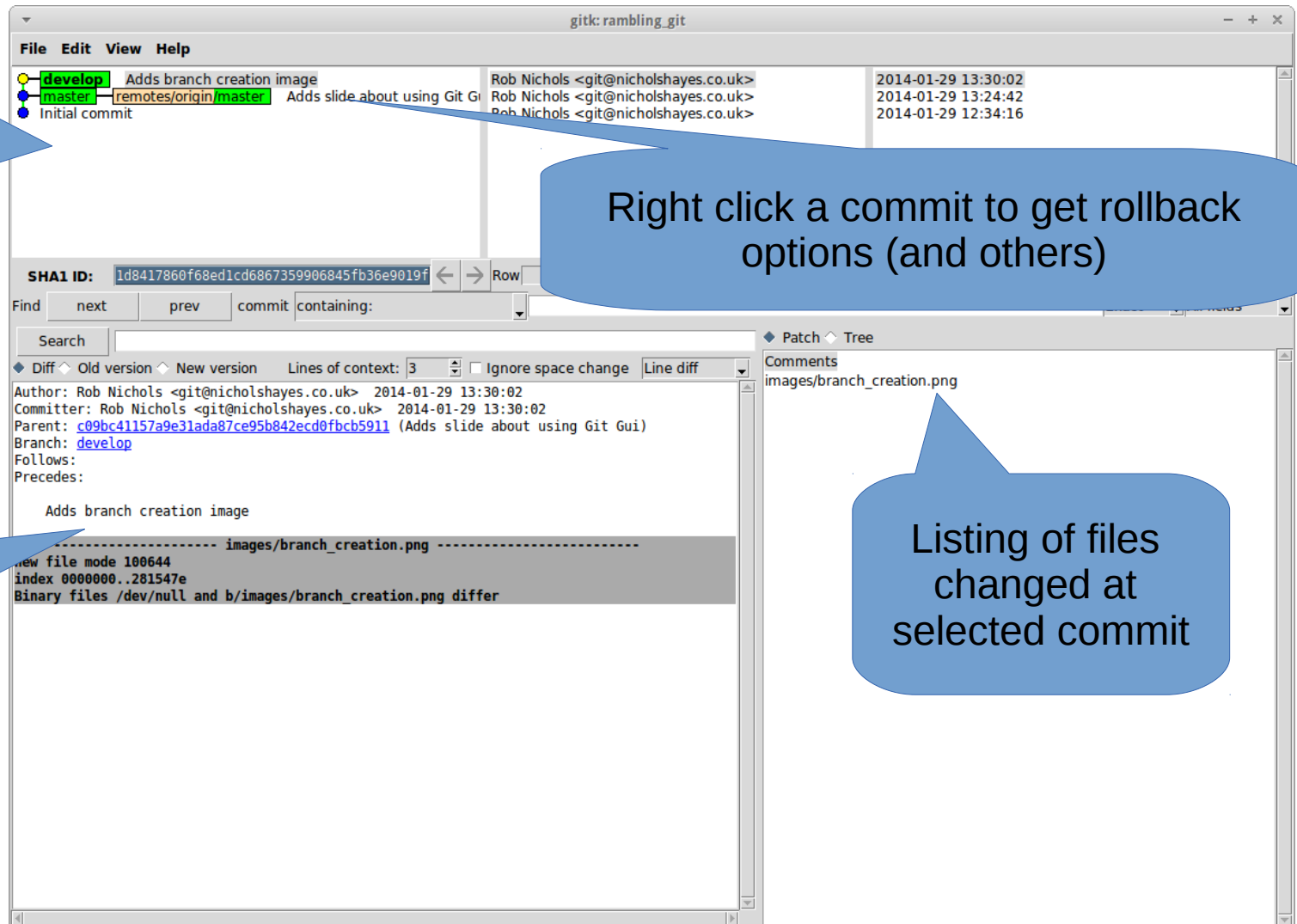
■ Fetch Tracking Branch

■ Checkout After Creation

Cancel Create

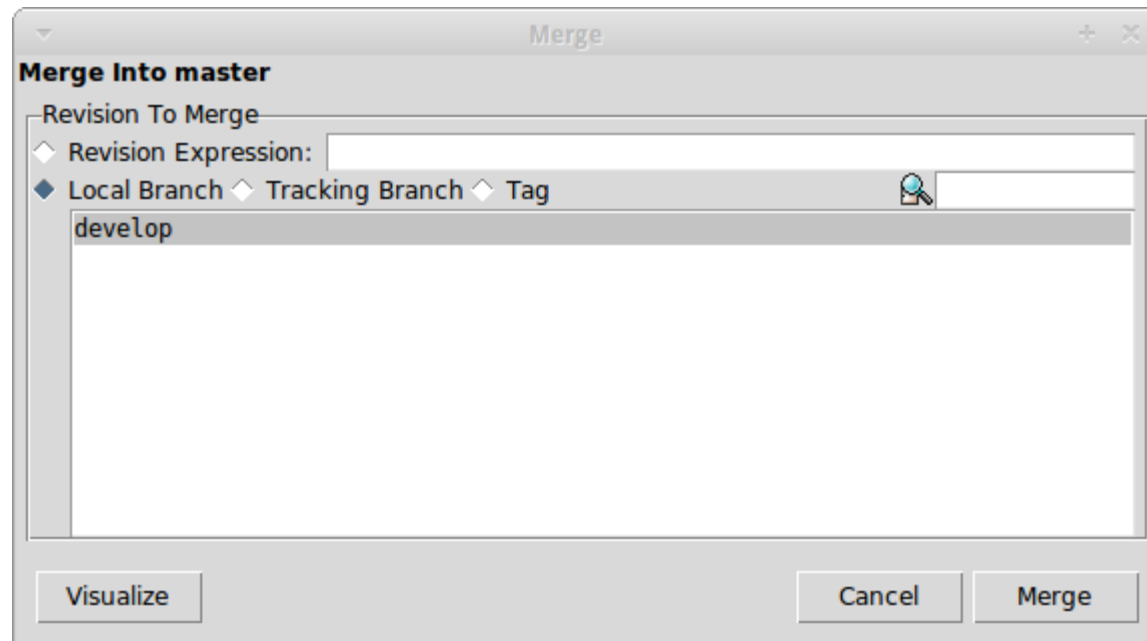
View branch histories (via gitk)

- Repository > Visualize All Branch History



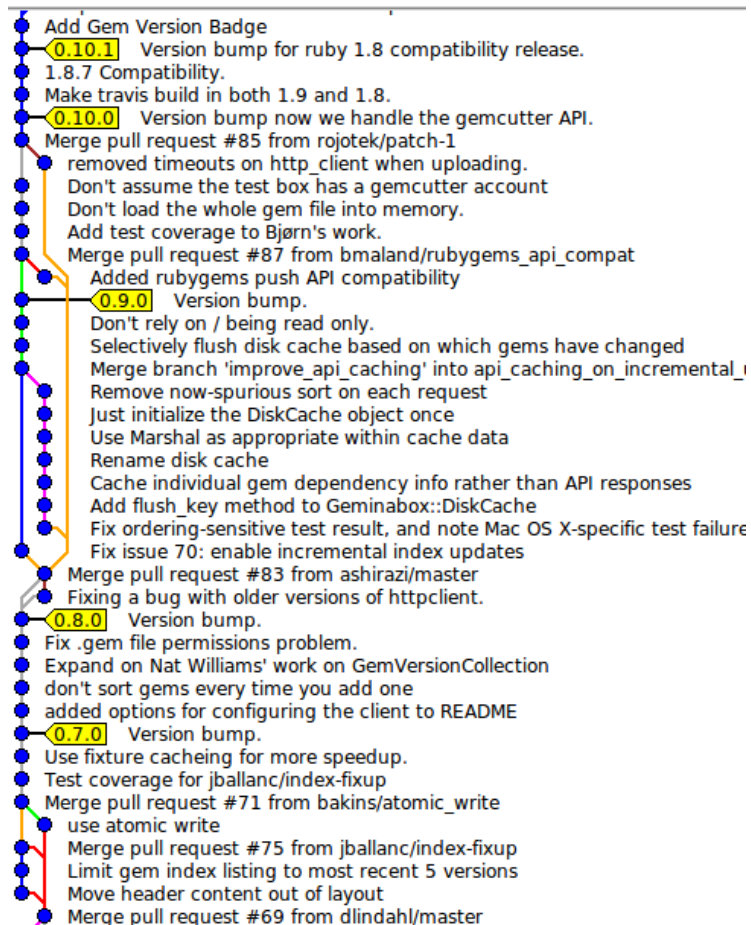
Merging branches

- Branch > Checkout : and checkout master
- Merge > Local Merge



Remember to push the newly merged branch











Tagging



 [geminabox](#) / [geminabox](#)

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a month ago	0.12.2 ...	Allows rake server to be started via "run Geminabox" and fixes Gem::U... ...serInteraction bug	 3988ba8	 zip	 tar.gz
2 months ago	0.12.1 ...		 154a4e5	 zip	 tar.gz
2 months ago	0.12.0 ...		 f6a7c15	 zip	 tar.gz
4 months ago	0.11.1 ...		 7a4bf56	 zip	 tar.gz
6 months ago	0.11.0 ...		 91b7b8b	 zip	 tar.gz
a year ago	0.10.1 ...		 7f8ac6e	 zip	 tar.gz

Doing the tagging

- From command line. See:
<http://git-scm.com/book/en/Git-Basics-Tagging>
- In gitk, (right click commit)
- Via git flow

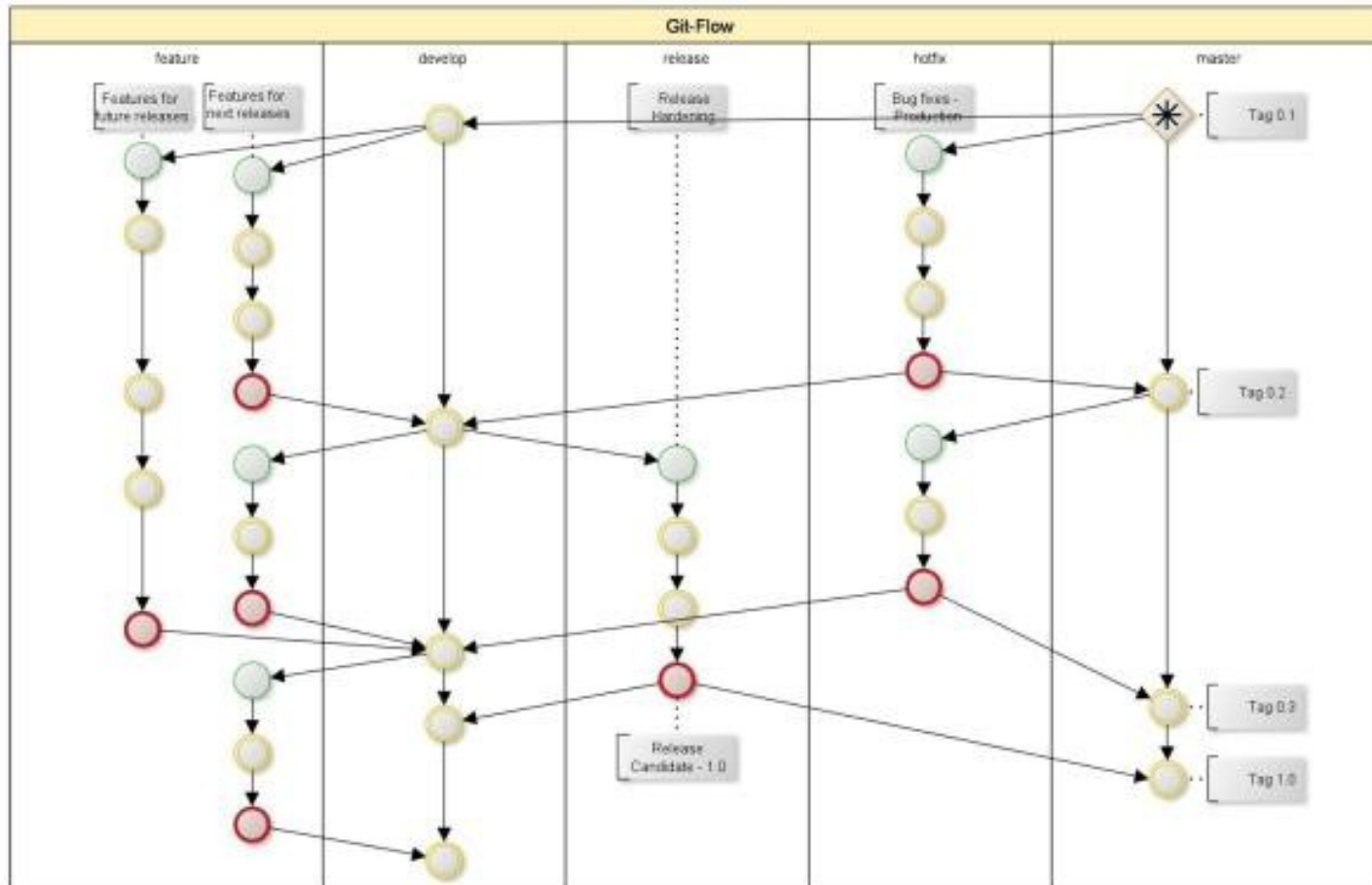
But where do you tag? The last change, the version file bump, or the merge into master?

Git flow is my preferred method as it give the most consistent alignment of tag.

Git flow

<https://github.com/nvie/gitflow>

<http://yakiloo.com/getting-started-git-flow/>



Summary

- Documentation: <http://git-scm.com/doc>
- Useful tools:
 - Git gui: <http://git-scm.com/docs/git-gui>
 - Gitk: <http://git-scm.com/docs/gitk>
 - Tagging: <http://git-scm.com/book/en/Git-Basics-Tagging>
 - Git flow: <https://github.com/nvie/gitflow>
- Homework:
 - Git stash:
 - <http://git-scm.com/book/en/Git-Tools-Stashing>
 - <http://git-scm.com/docs/git-stash>