Johan Herland

<johanh@opera.com>

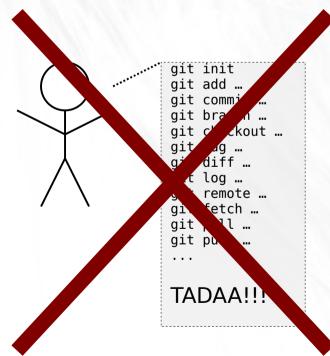


- Shamelessly stolen from Tom Preston-Werner http://tom.preston-werner.com/2009/05/19/the-git-parable.html
- I'm lazy...
- · Also: Best introduction to Git I've found so far

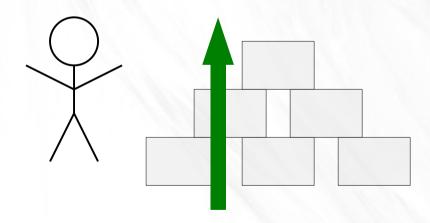
```
git init
git add ...
git commit ...
git branch ...
git checkout ...
git tag ...
git diff ...
git log ...
git remote ...
git fetch ...
git pull ...
git push ...
```

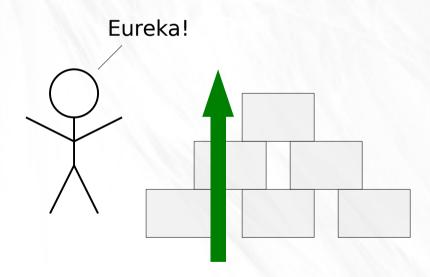
```
git init
git add ...
git commit ...
git branch ...
git checkout ...
git tag ...
git diff ...
git log ...
git remote ...
git pull ...
git push ...
...

TADAA!!!
```









The Parable

- A simple computer
 - A text editor
 - A few filesystem commands



The Parable

• Write a large software program

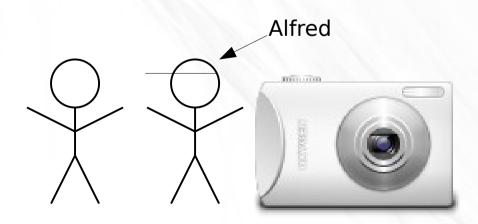


The Parable

- Write a large software program
- Invent some method to keep track of versions
 - retrieve code that you changed/deleted

Responsible!

Alfred, the photographer



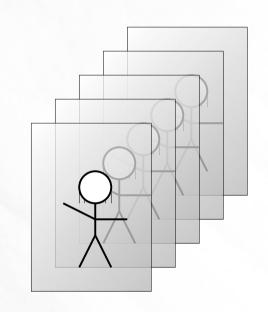
Alfred, the photographer



- Alfred, the photographer
- Hazel and her daughter

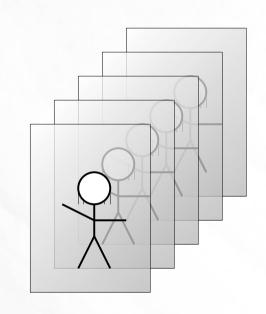


- Alfred, the photographer
- Hazel and her daughter
 - Remember what the daughter was like at each different stage



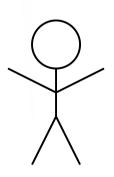


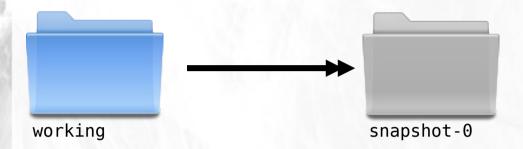
- Alfred, the photographer
- Hazel and her daughter
 - Remember what the daughter was like at each different stage

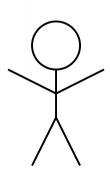


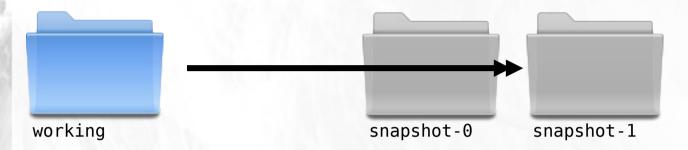


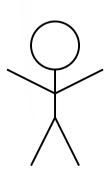




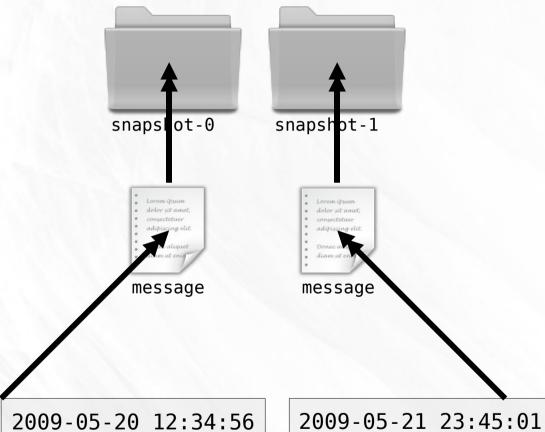


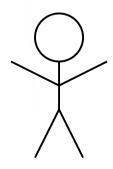








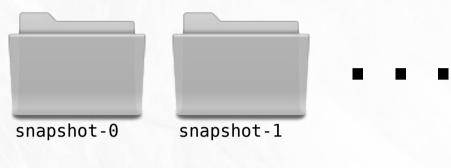




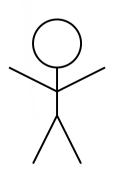
Initial version

Introduced a new foo, and reset the bar to xyzzy.

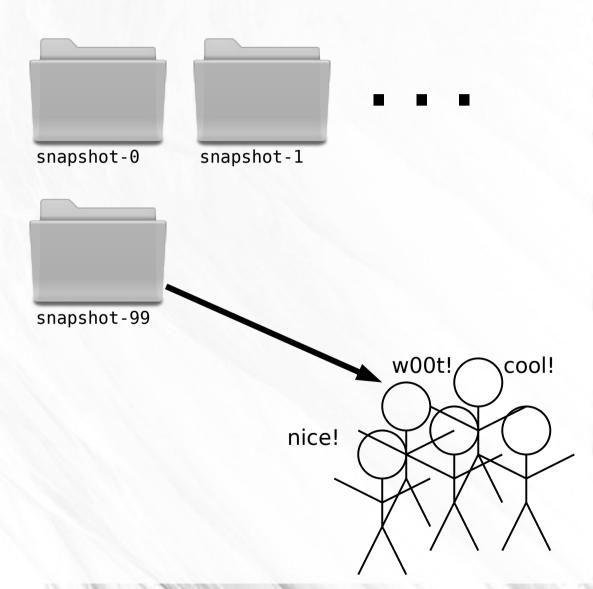


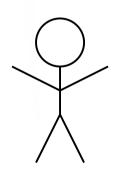




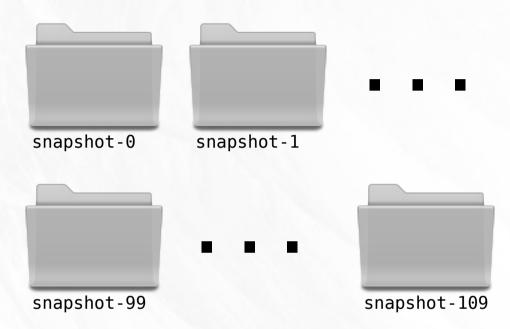


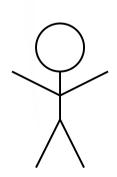






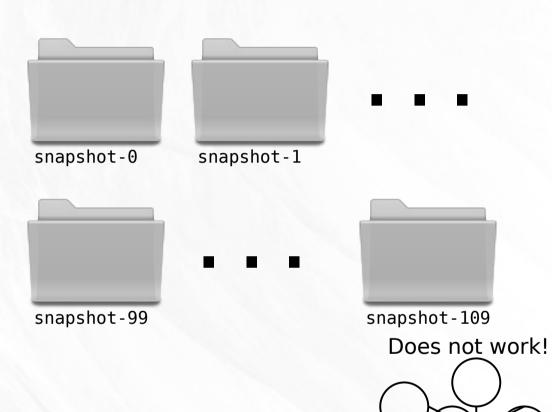




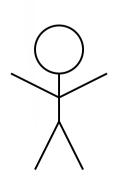


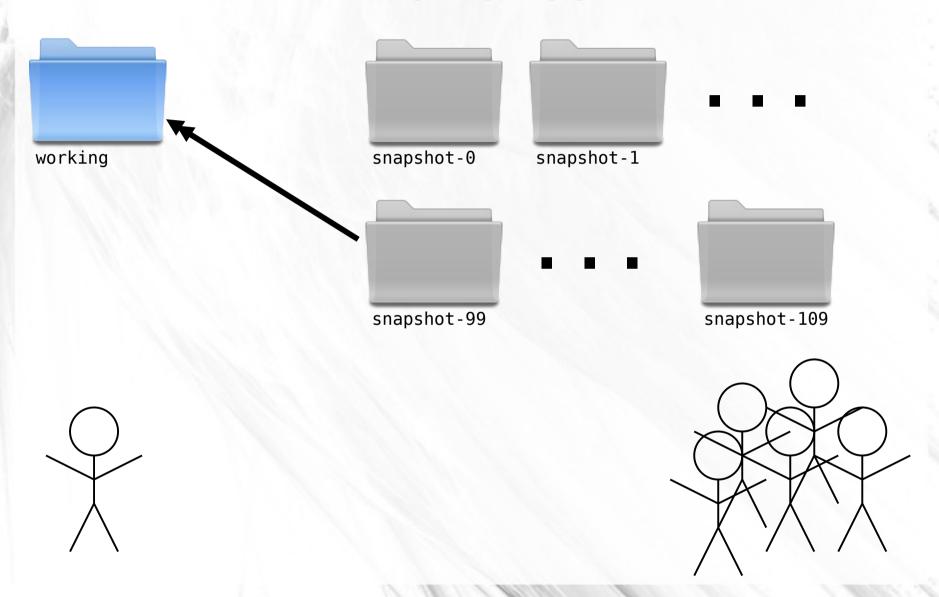






Boo!





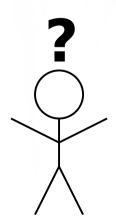




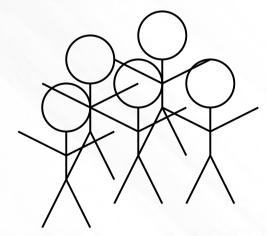


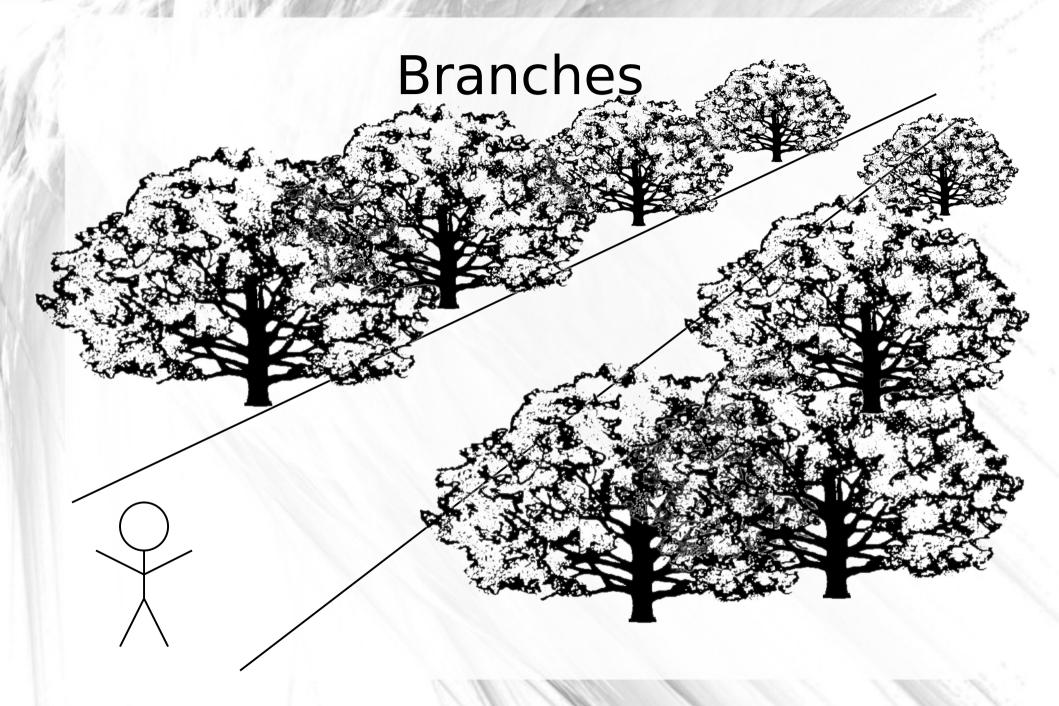
snapshot-1



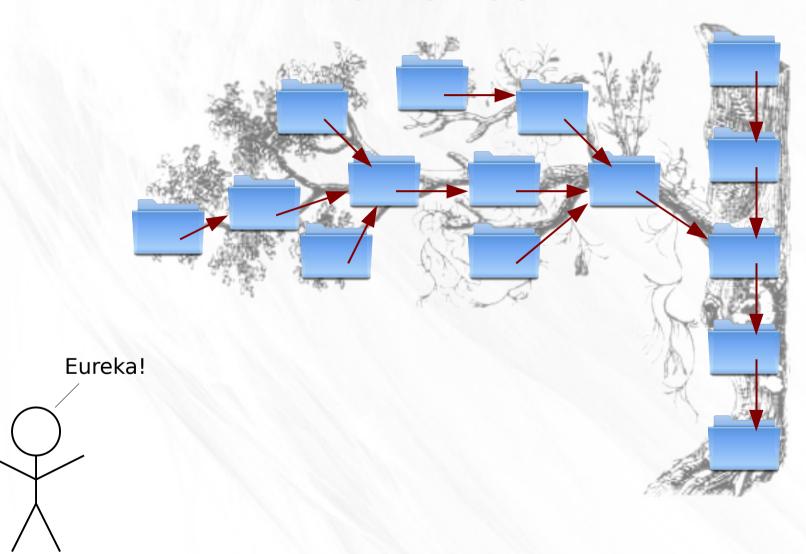


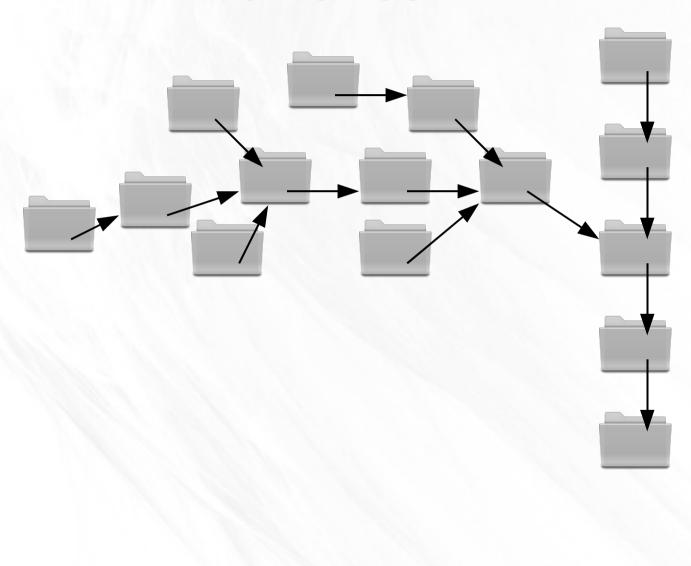


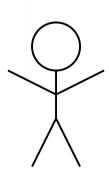


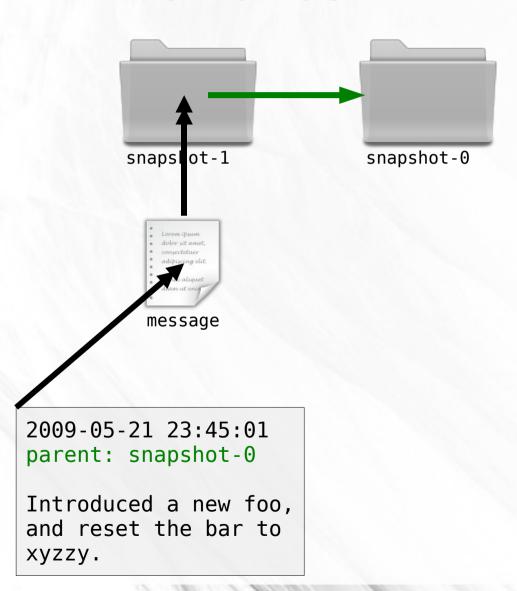


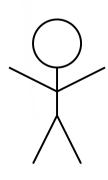






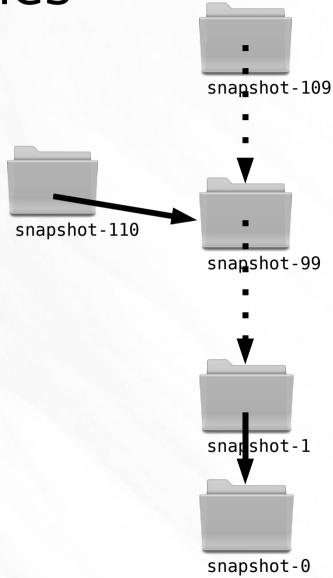


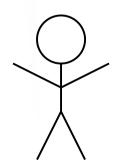




Branch Names

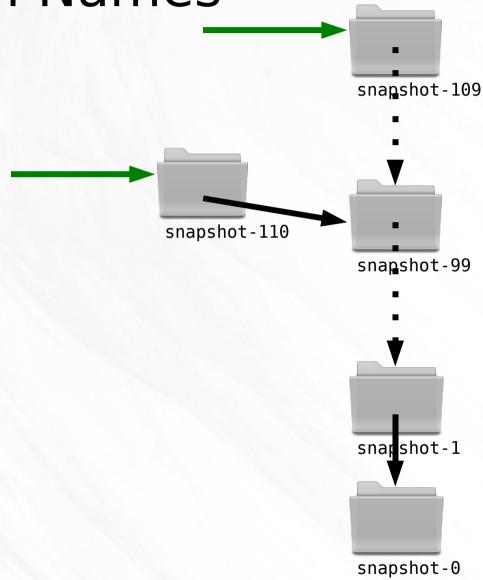


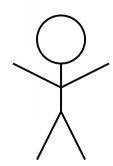




Branch Names

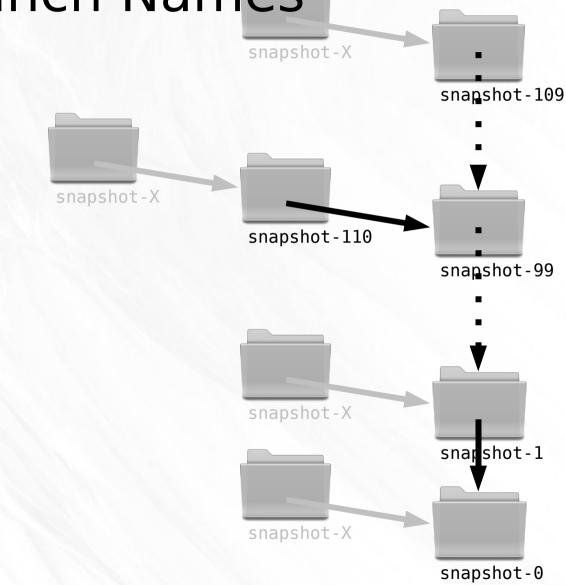


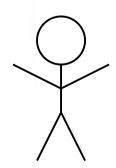




Branch Names

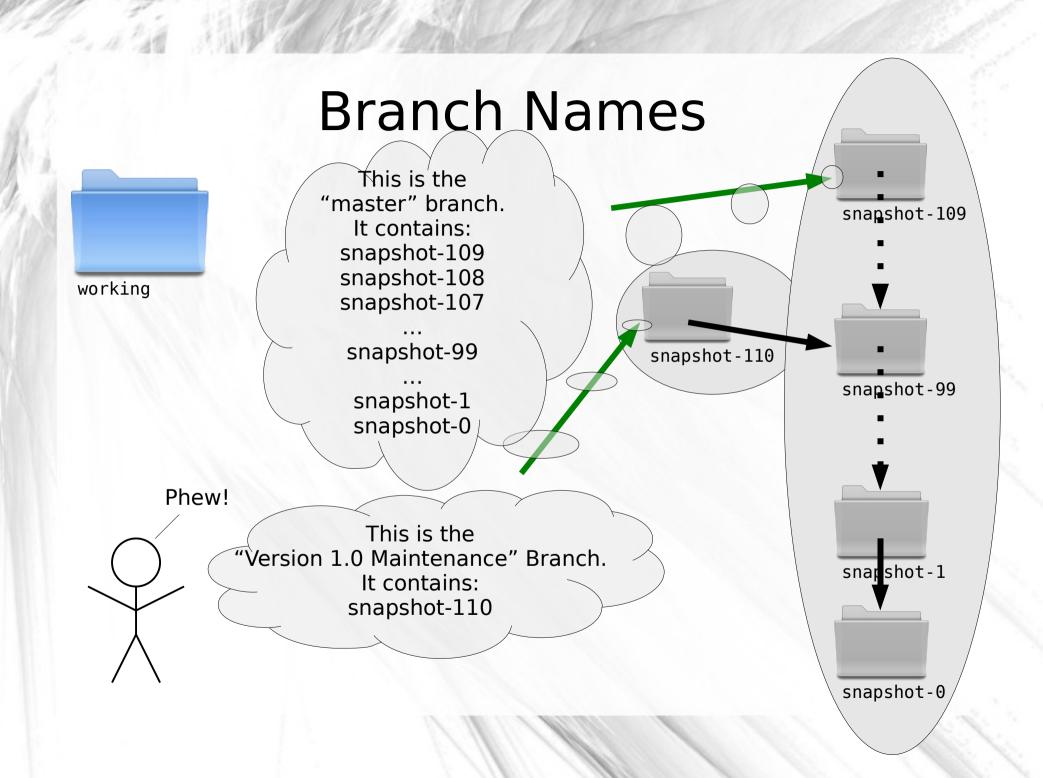


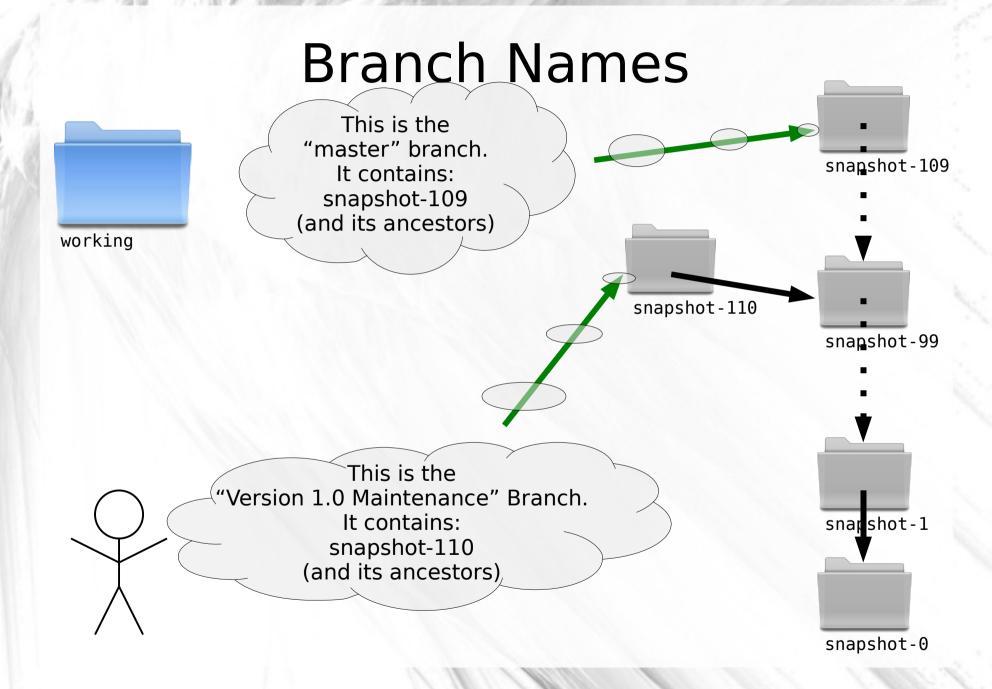




Branch Names snapshot-X snapshot-109 working snapshot-X snapshot-110 snapshot-99 snapshot-X snarshot-1 snapshot-X snapshot-0

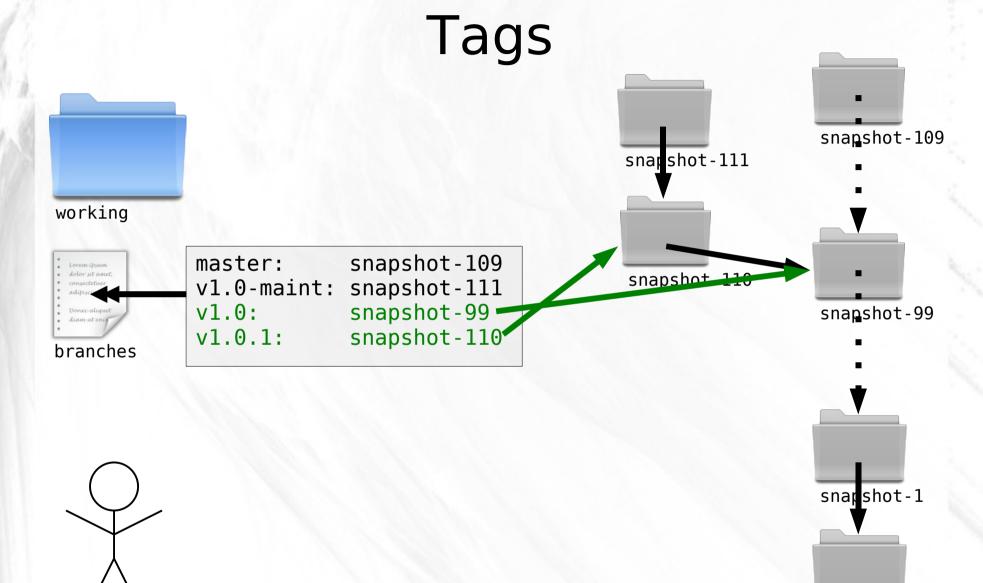
Branch Names snapshot-109 This is the "master" branch working snapshot-110 snapshot-99 This will be the snarshot-1 "Version 1.0 Maintenance" Branch snapshot-0



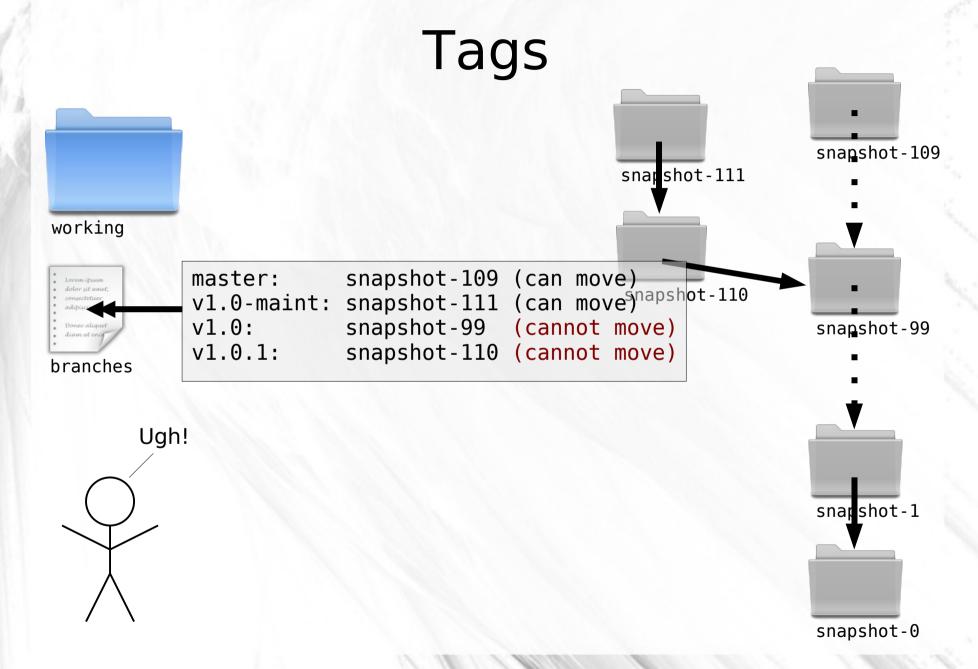


Branch Names snapshot-109 working master: snapshot-109
v1.0-maint: snapshot-110 snapshot-110 snapshot-99 branches snapshot-1 snapshot-0

Branch Names snapshot-109 snar shot-111 working master: snapshot-109 v1.0-maint: snapshot-111 snapshot-110 snapshot-99 branches snapshot-1 snapshot-0



snapshot-0



Tags





master: snapshot-109

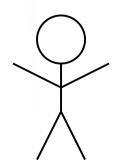
v1.0-maint: snapshot-111

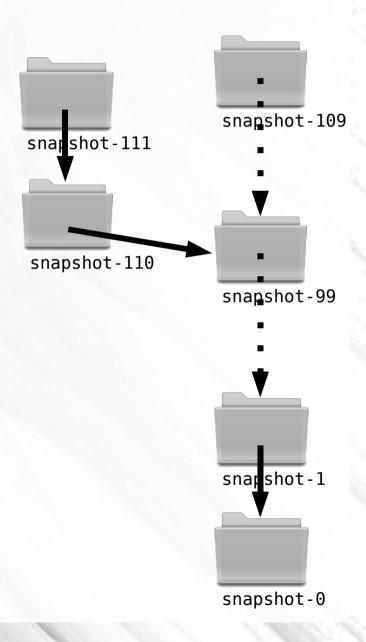
branches

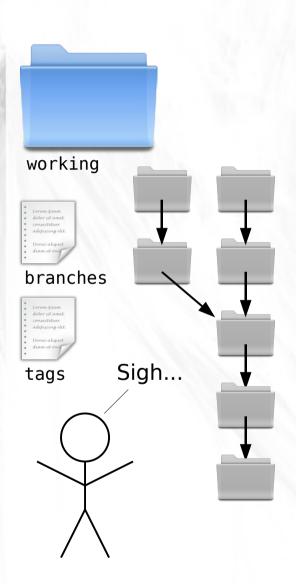


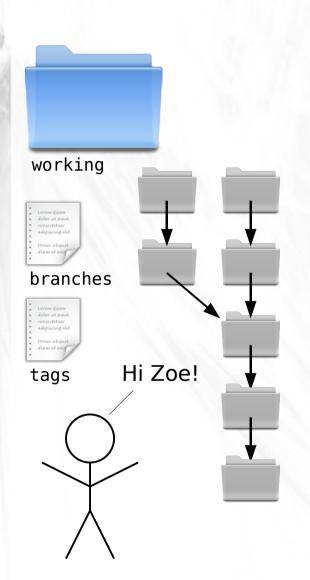
v1.0: snapshot-99
v1.0.1: snapshot-110

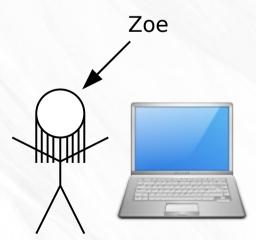
tags

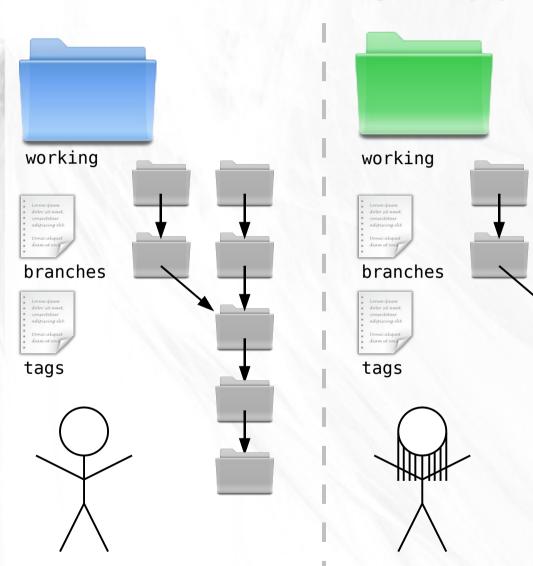


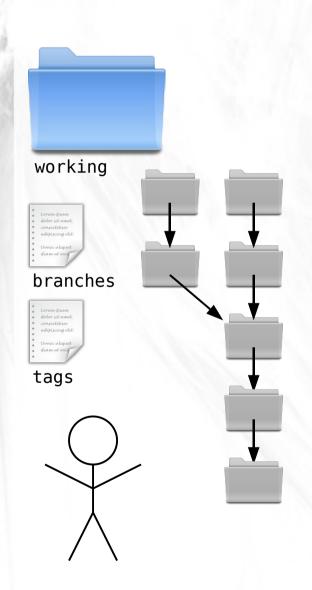


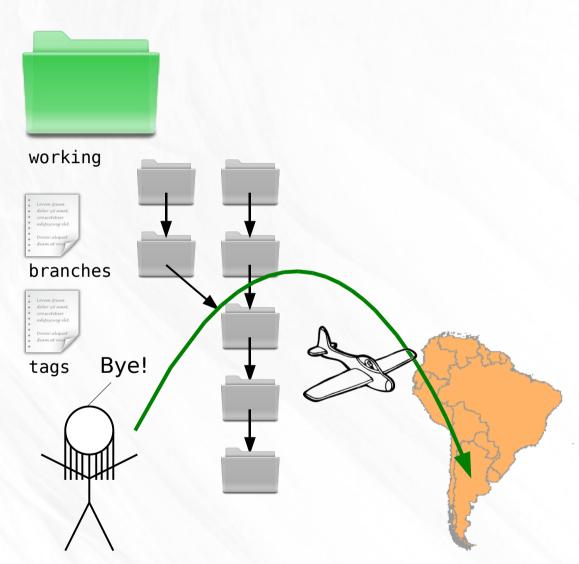


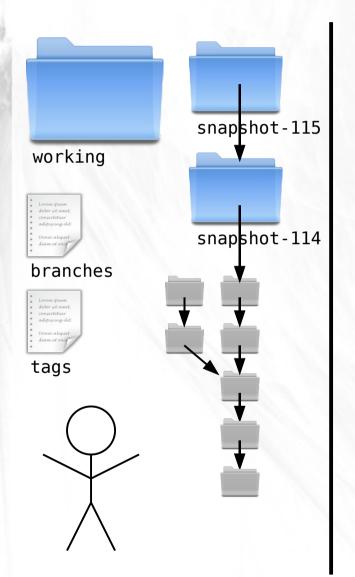


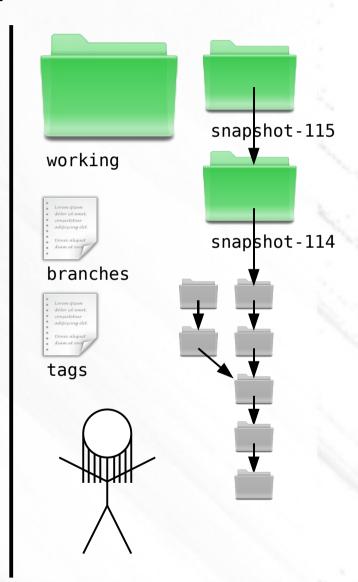


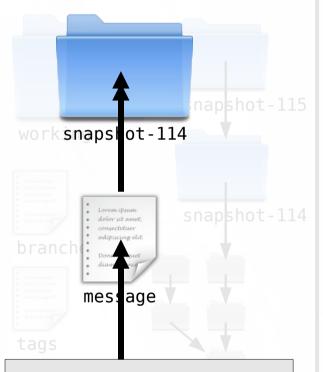






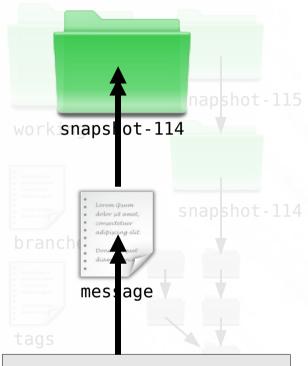






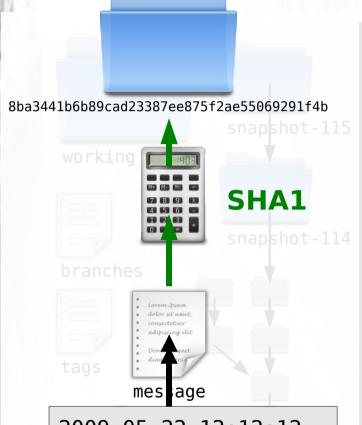
2009-05-22 12:12:12 parent: snapshot-113 author: Me <me@me.me>

Blarfle, a cool new feature; extends the existing blorg.



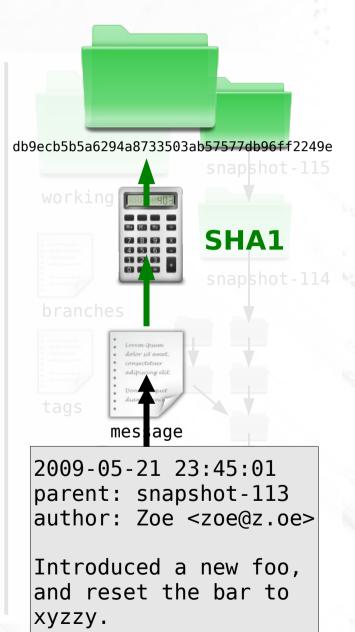
2009-05-21 23:45:01 parent: snapshot-113 author: Zoe <zoe@z.oe>

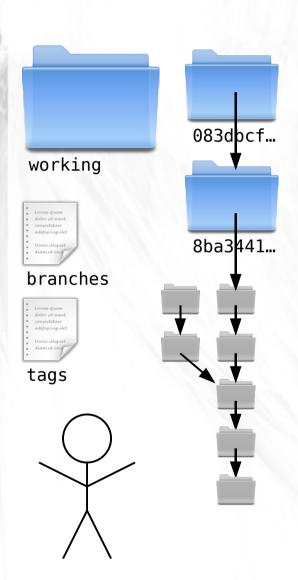
Introduced a new foo, and reset the bar to xyzzy.

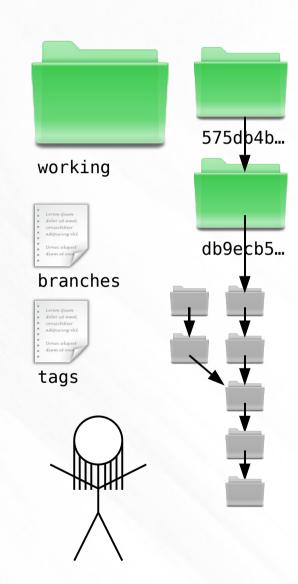


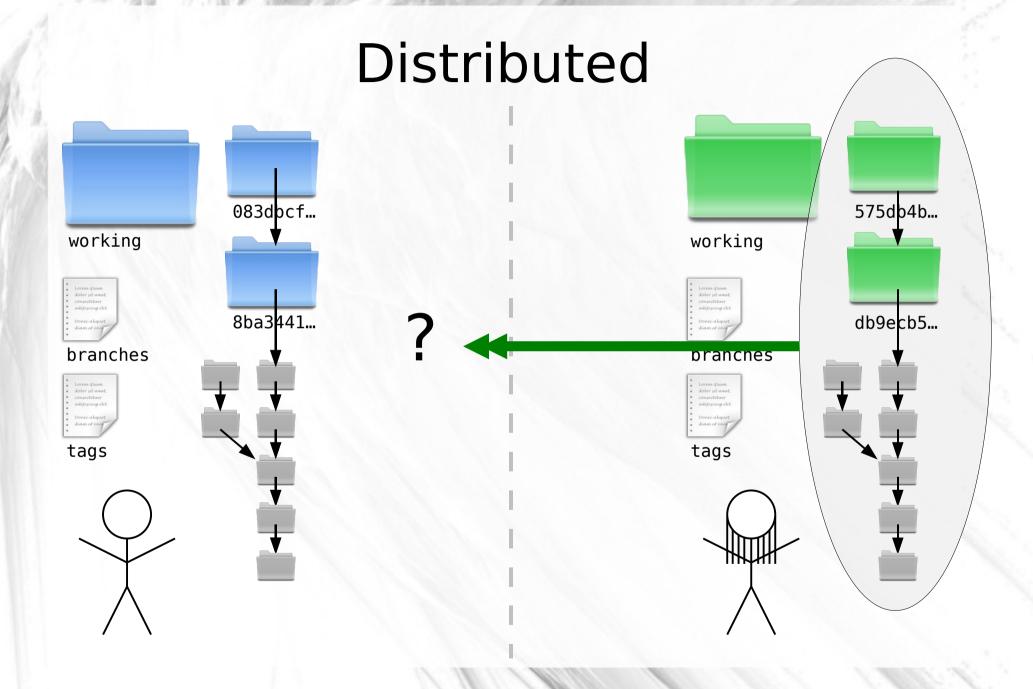
2009-05-22 12:12:12 parent: snapshot-113 author: Me <me@me.me>

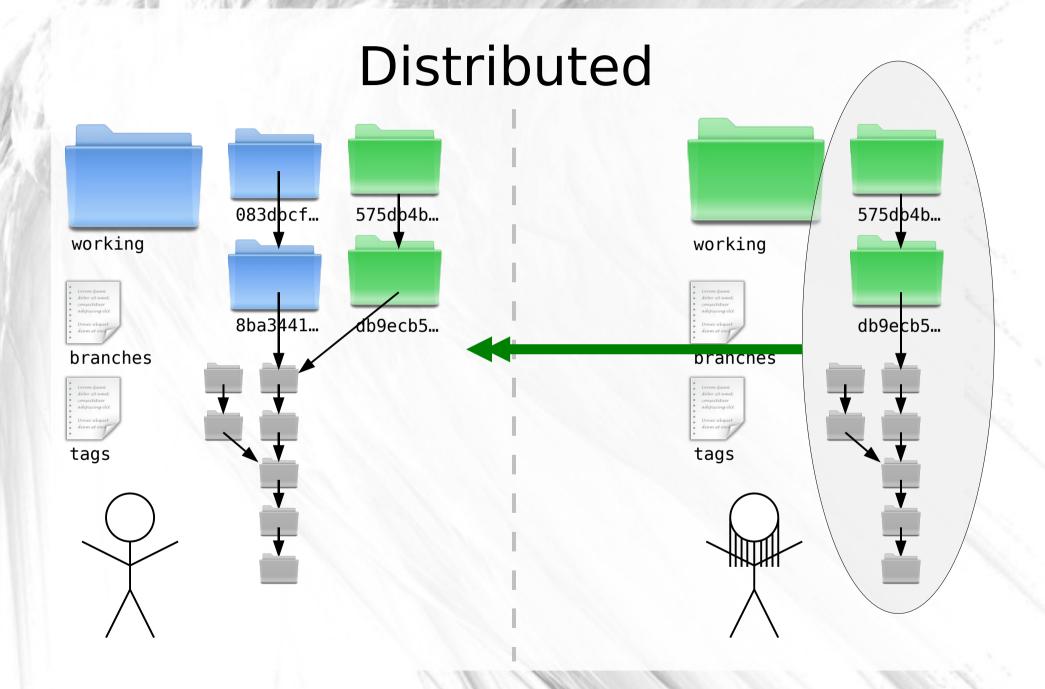
Blarfle, a cool new feature; extends the existing blorg.

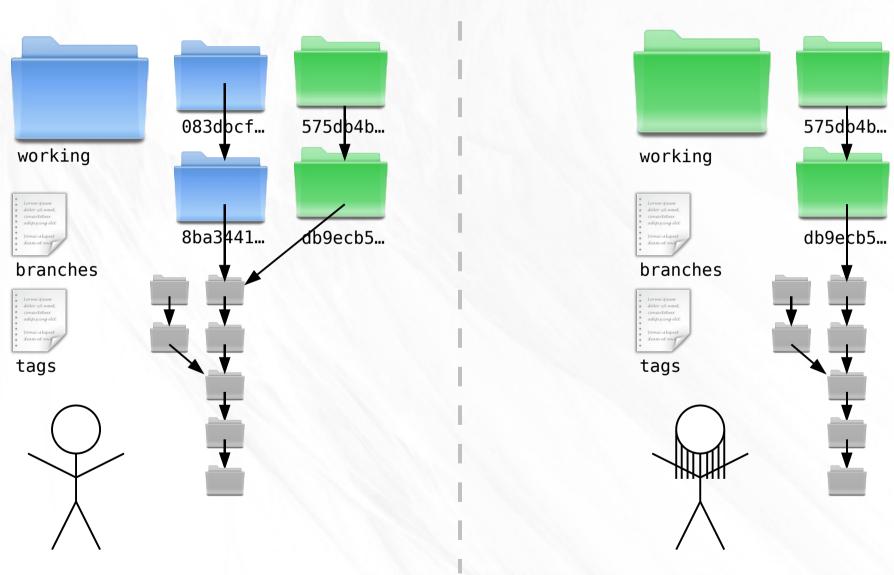




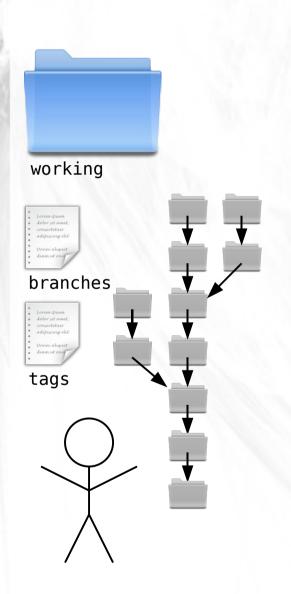






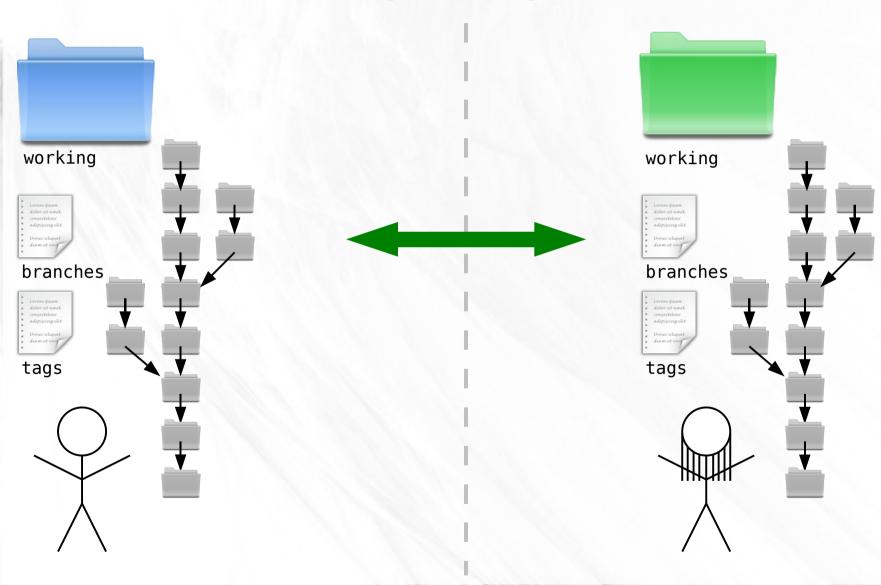


Offline

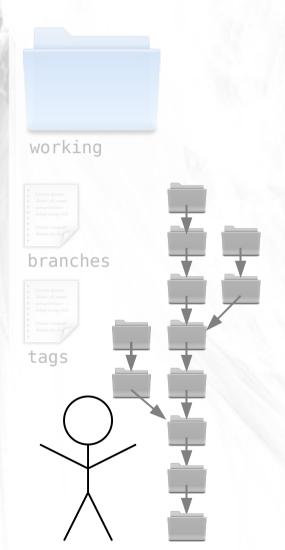


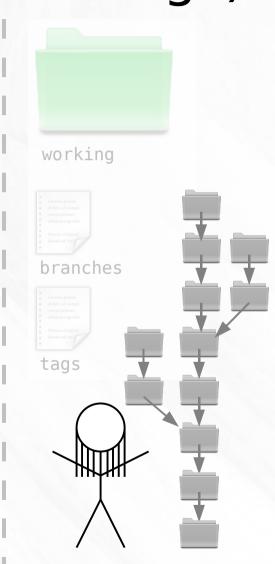


Offline

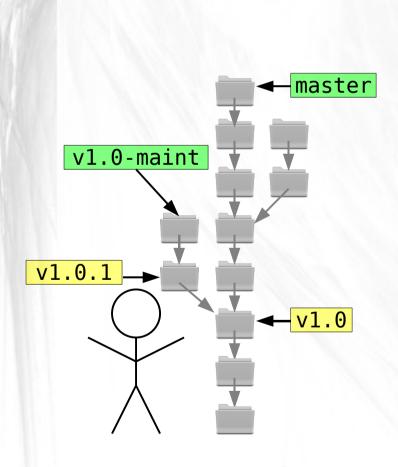


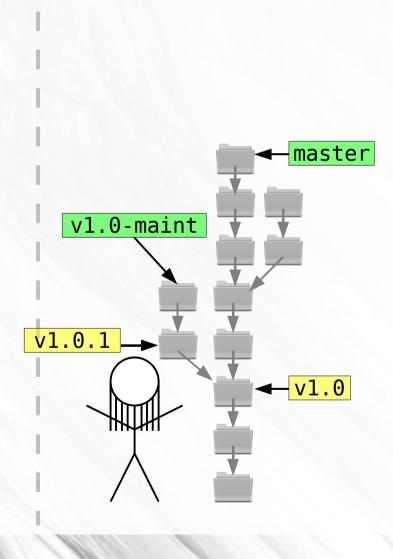
(simpler drawings)



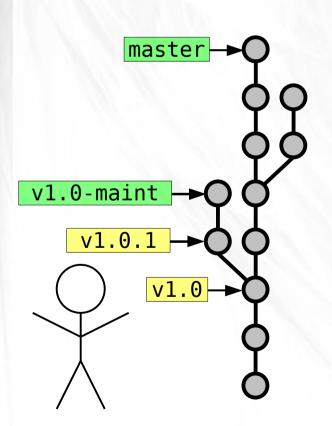


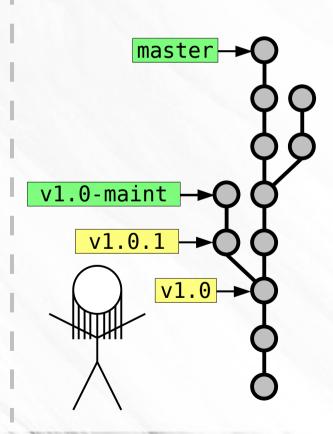
(simpler drawings)



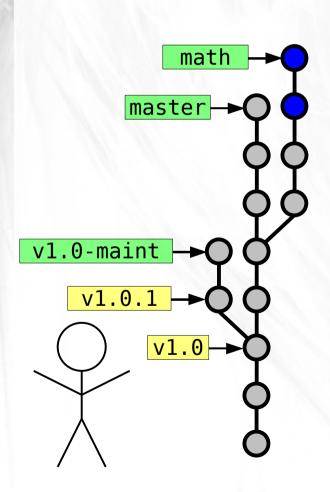


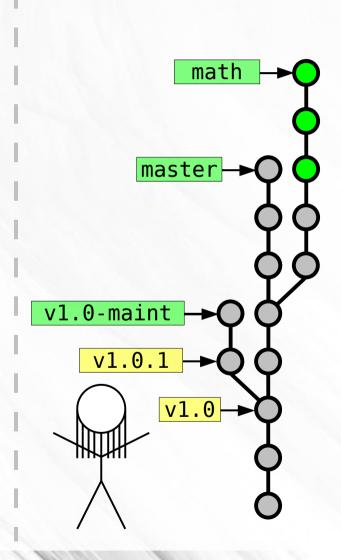
(simpler drawings)



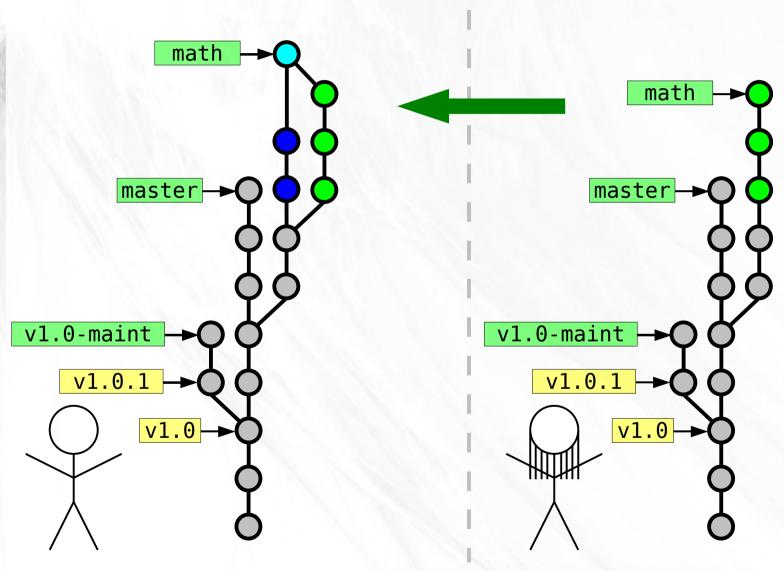


Merges

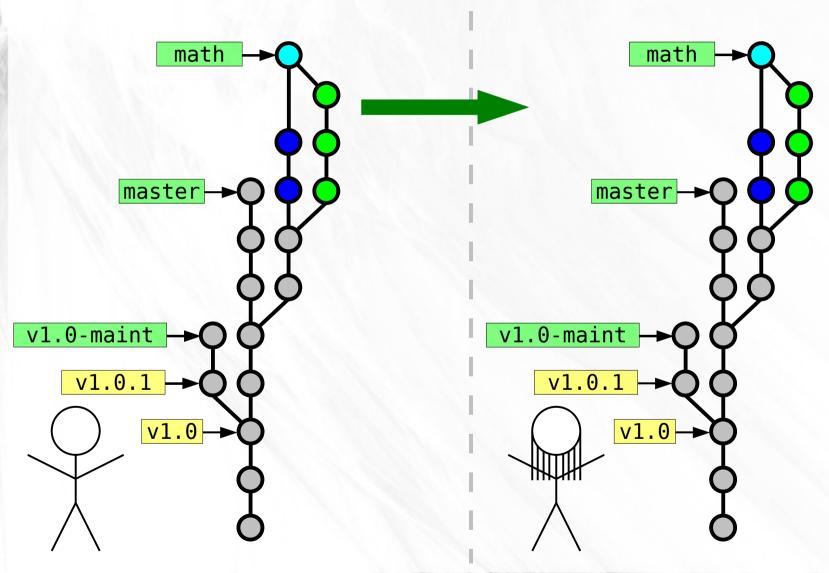


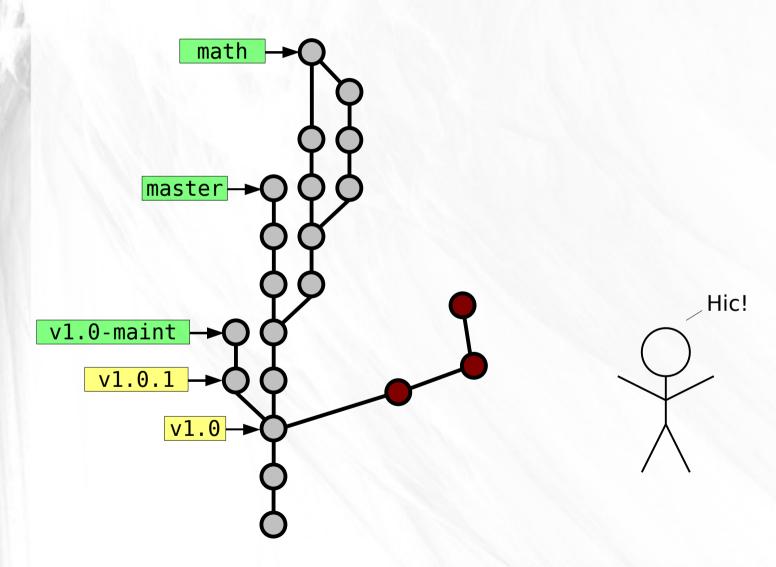


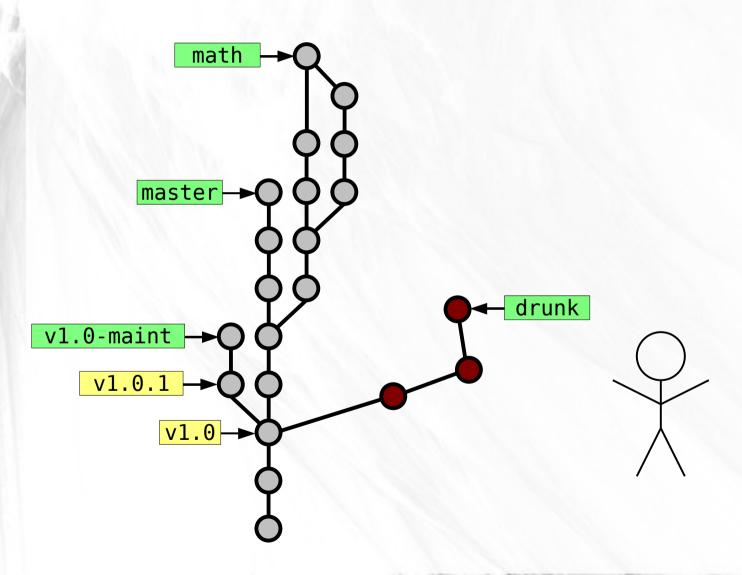
Merges

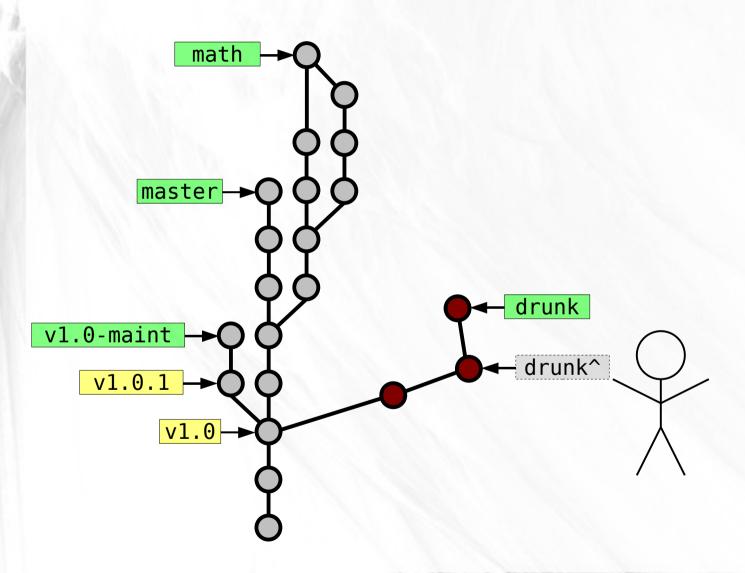


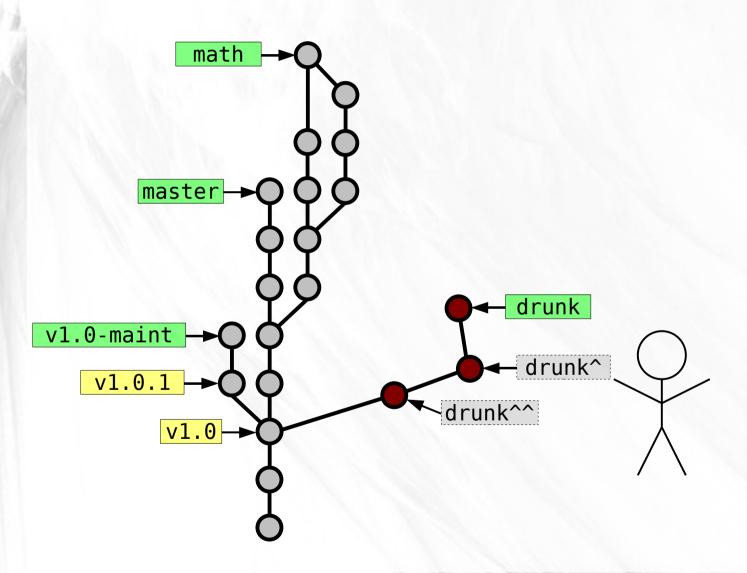
Merges

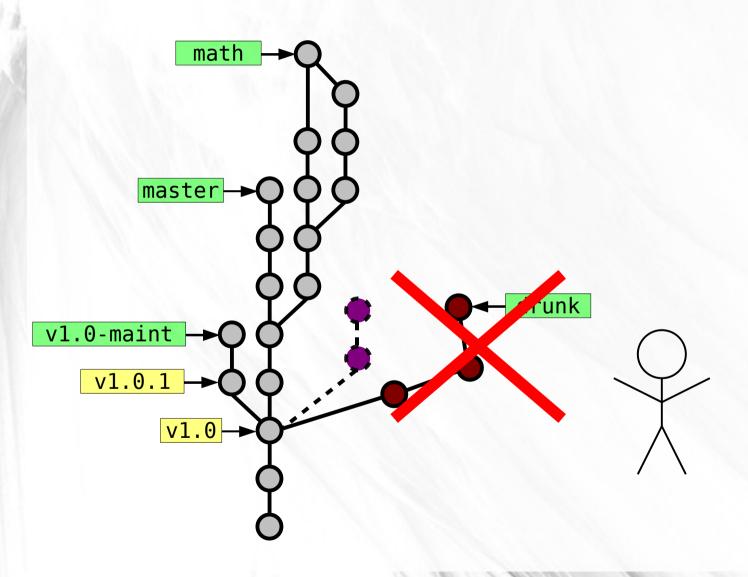


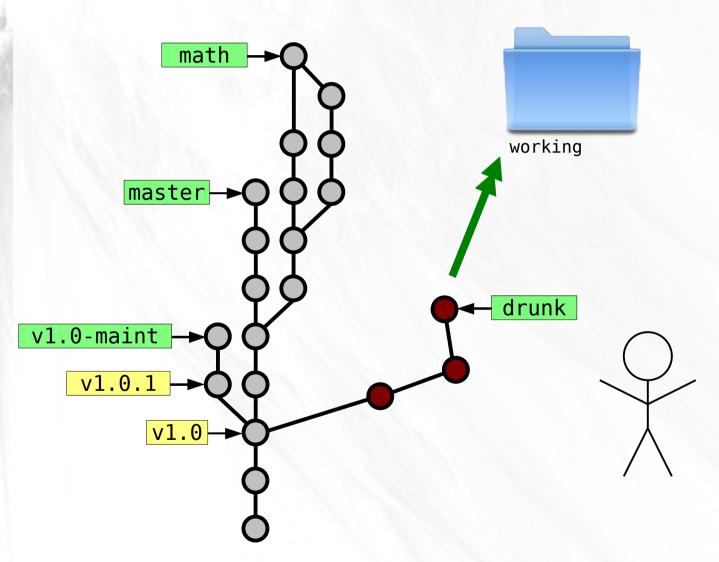


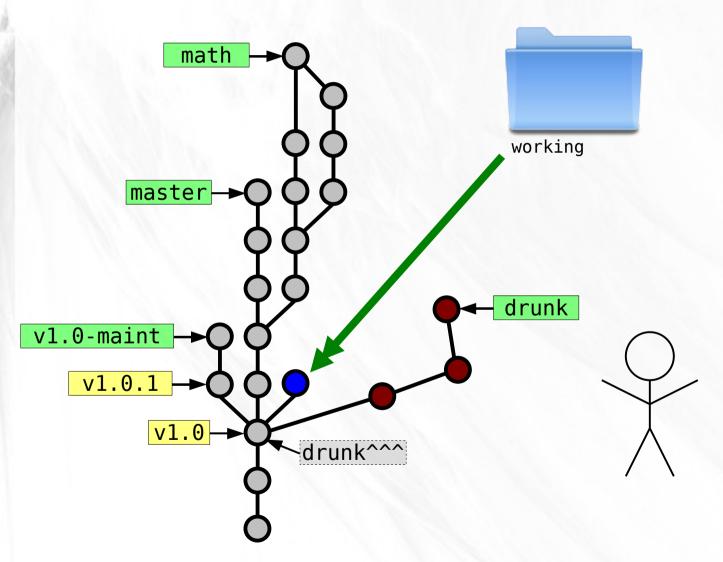


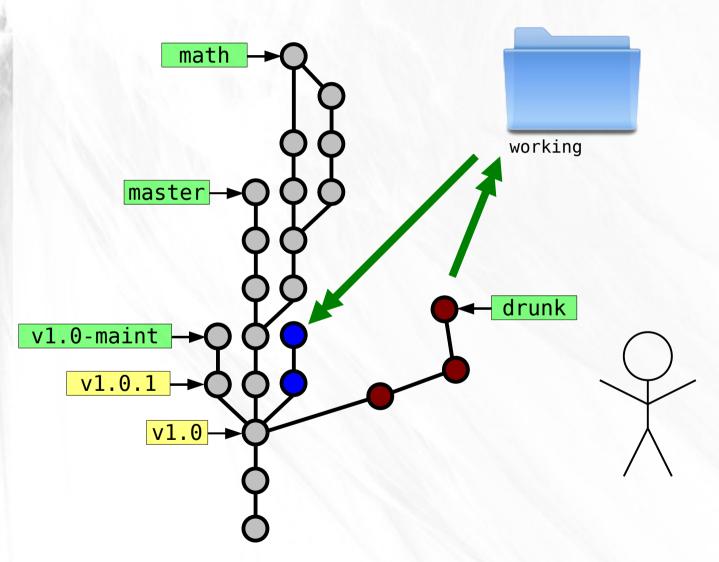


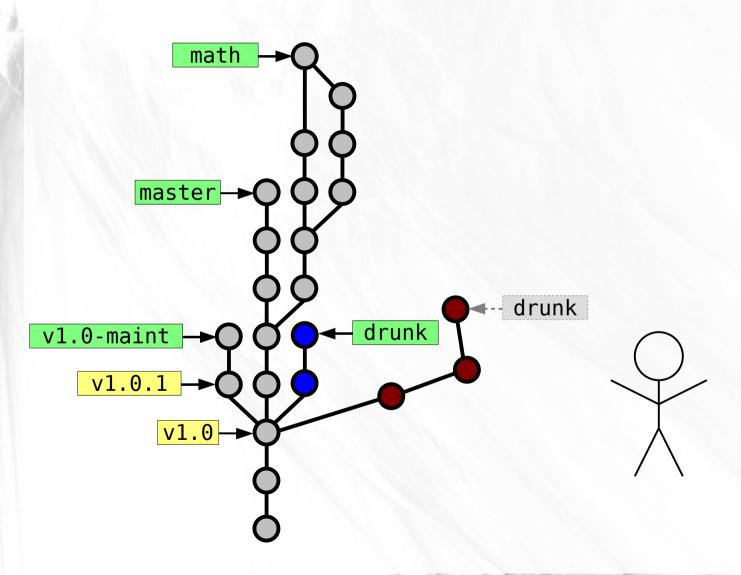




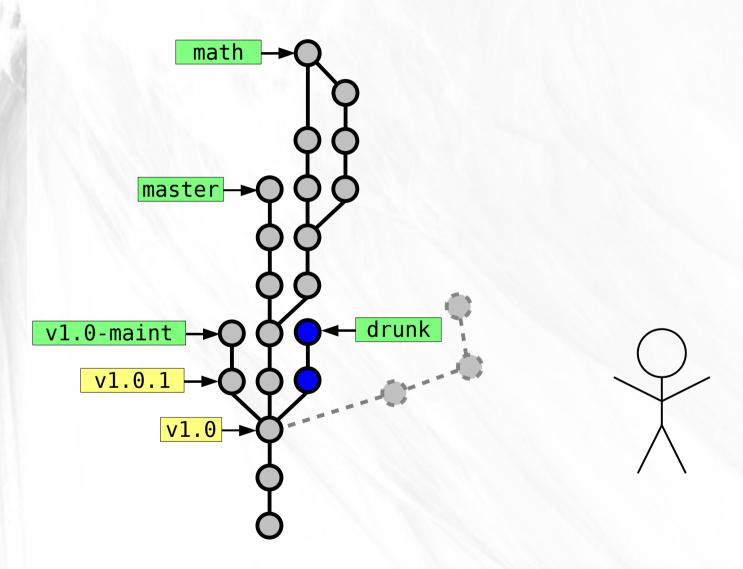


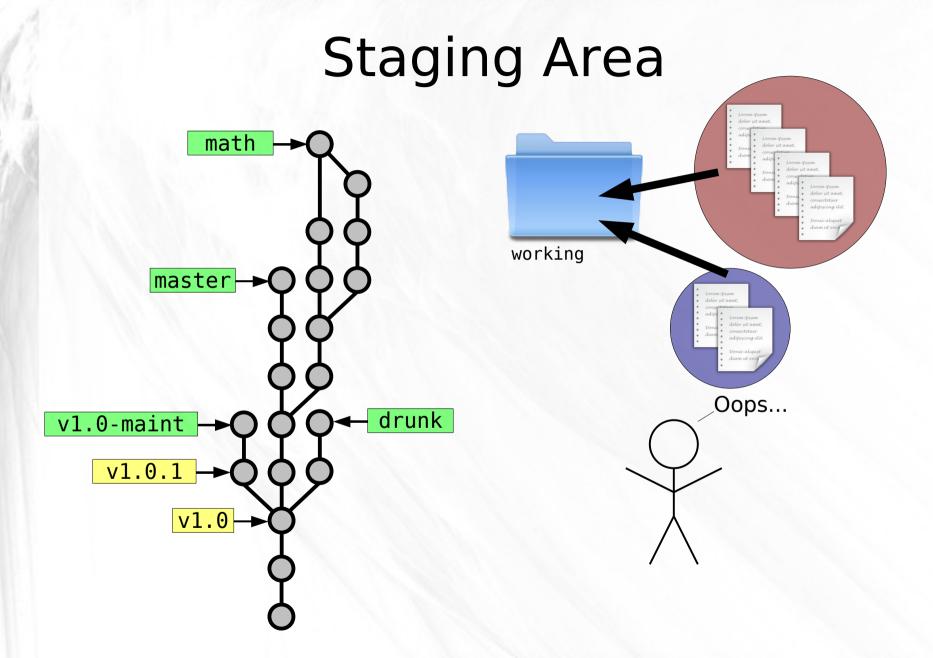




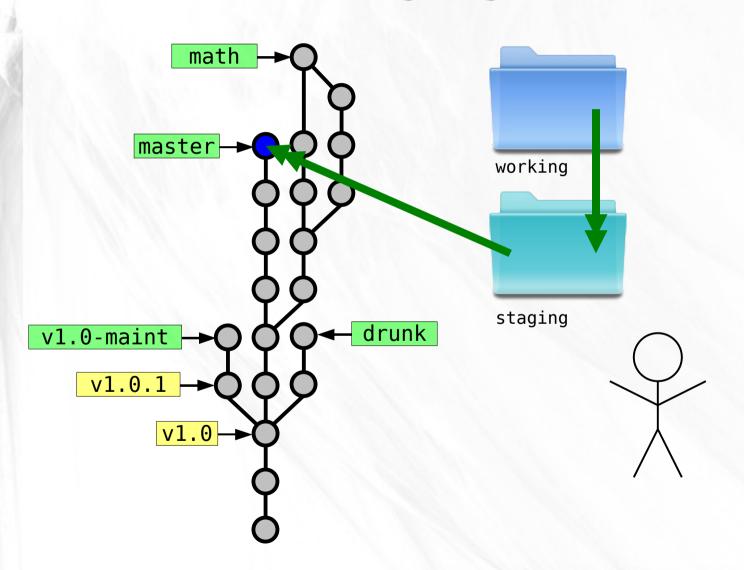


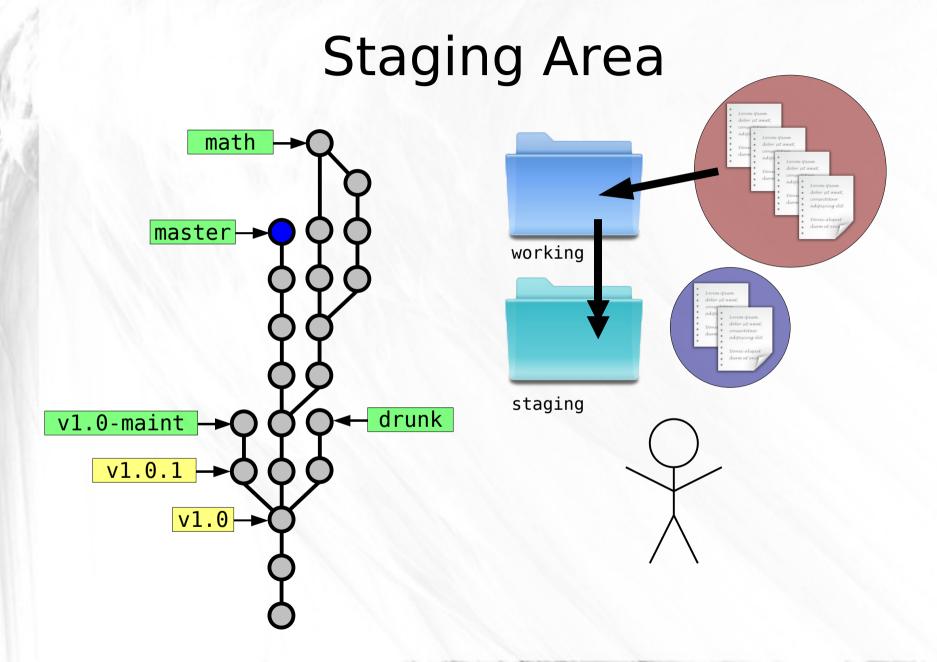
Rewriting History

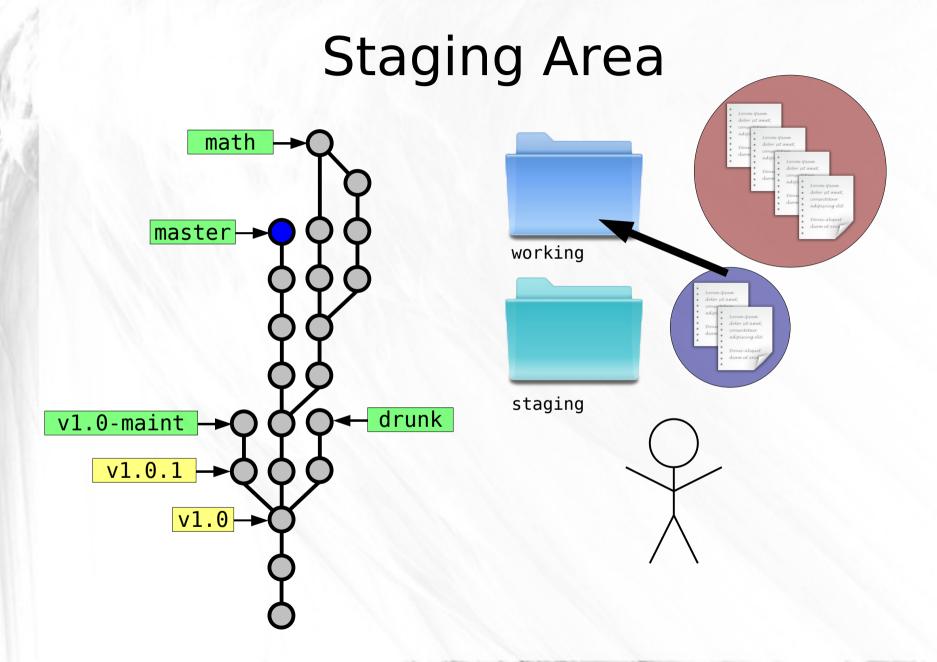




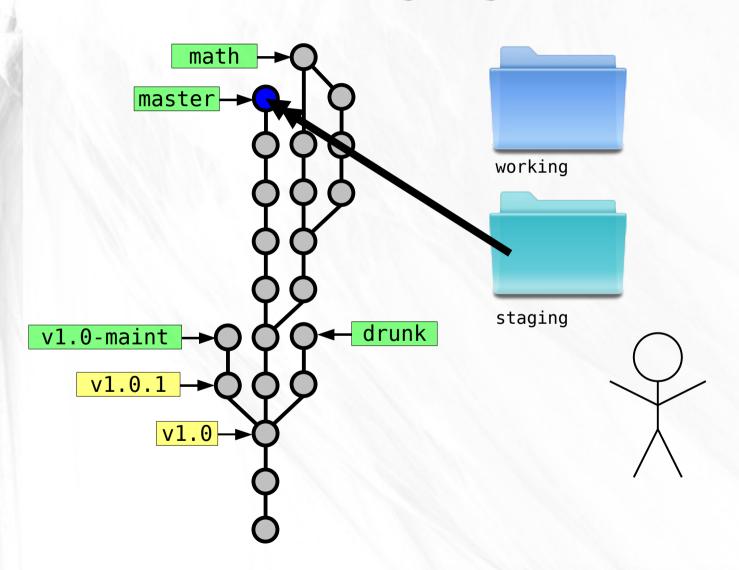
Staging Area



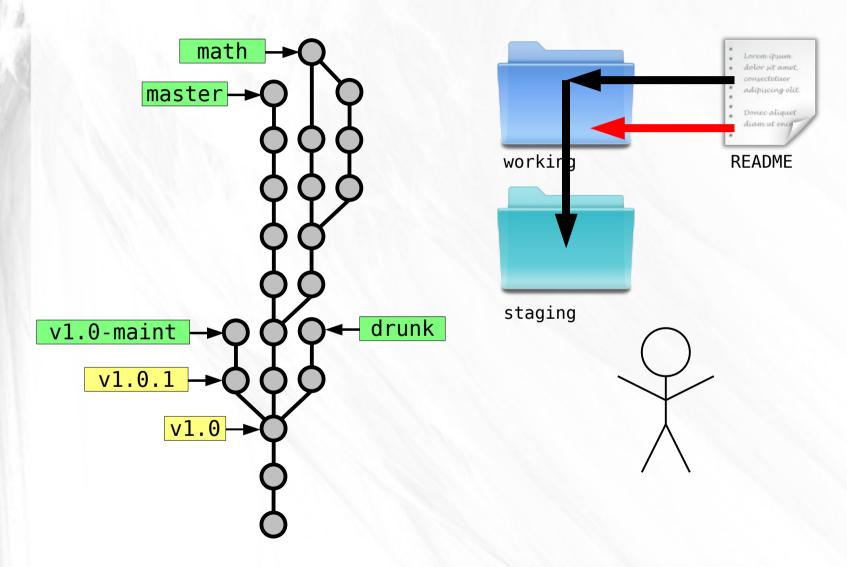


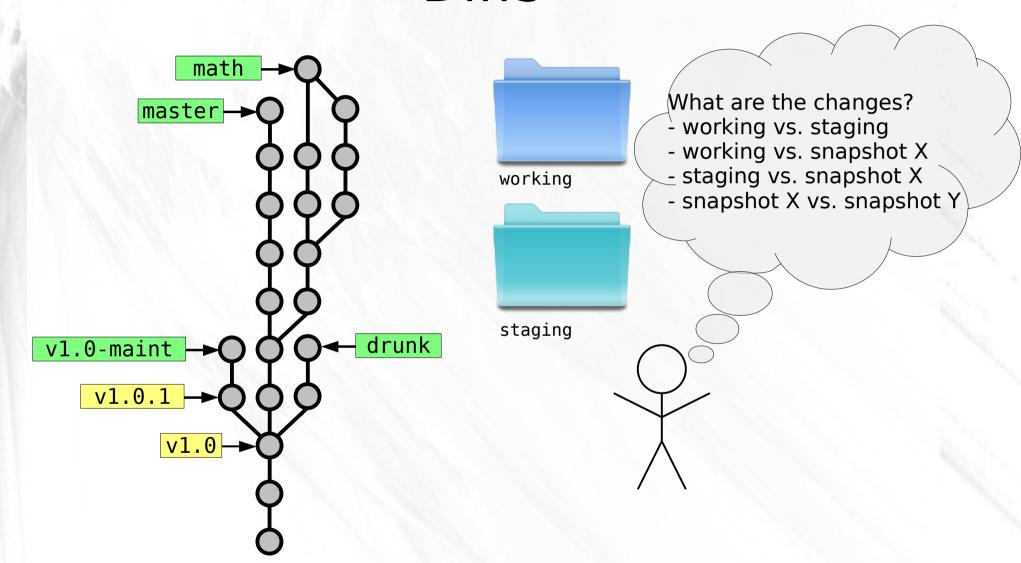


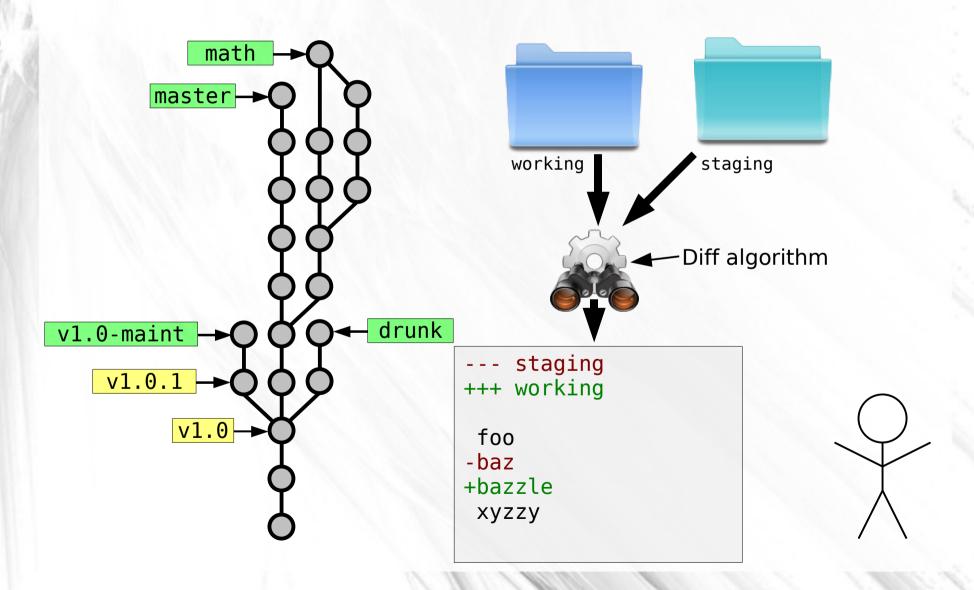
Staging Area

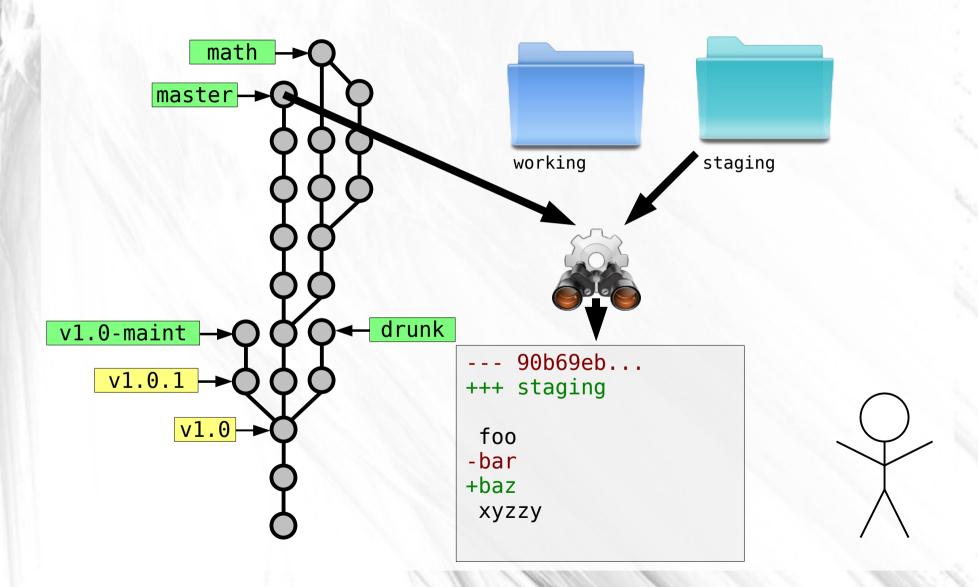


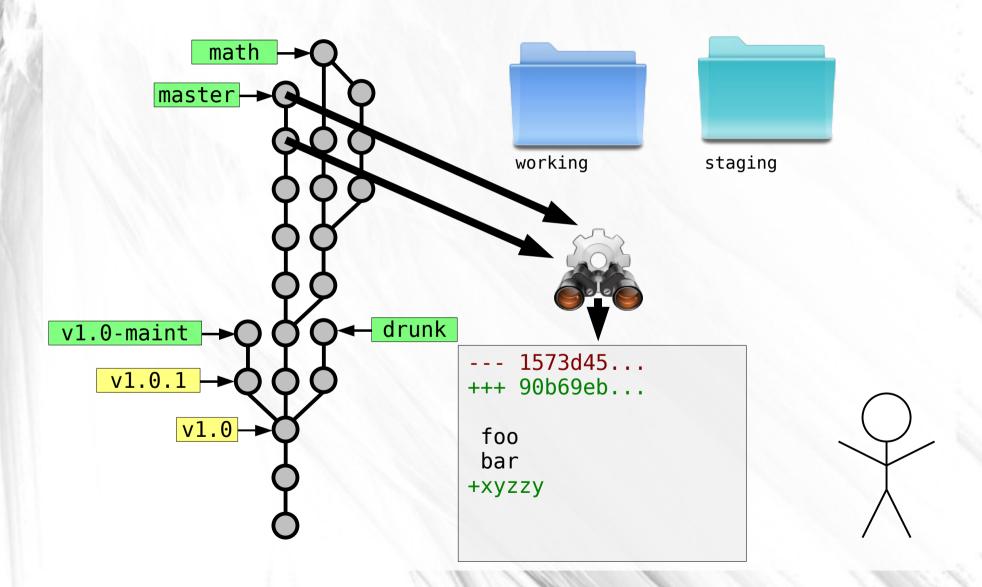
Staging Area

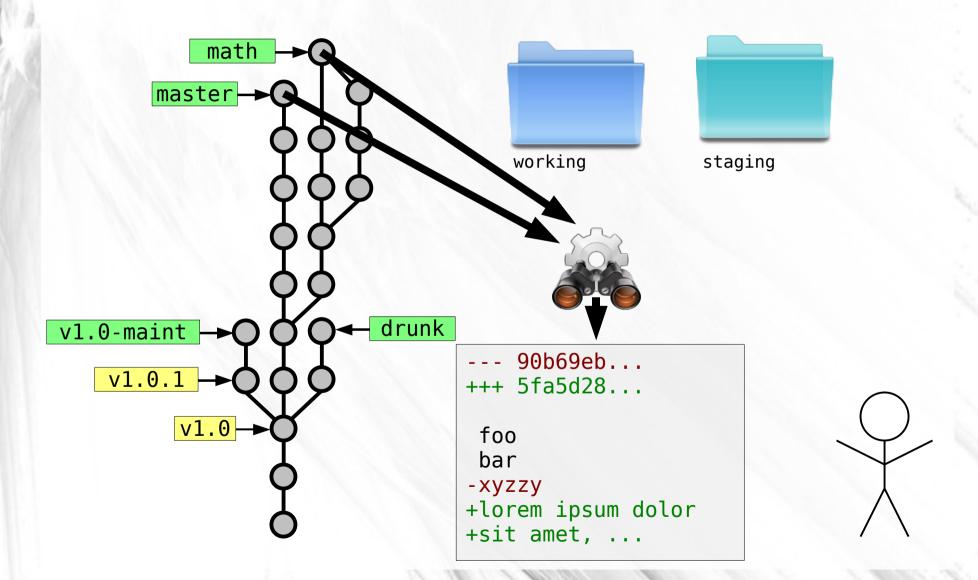


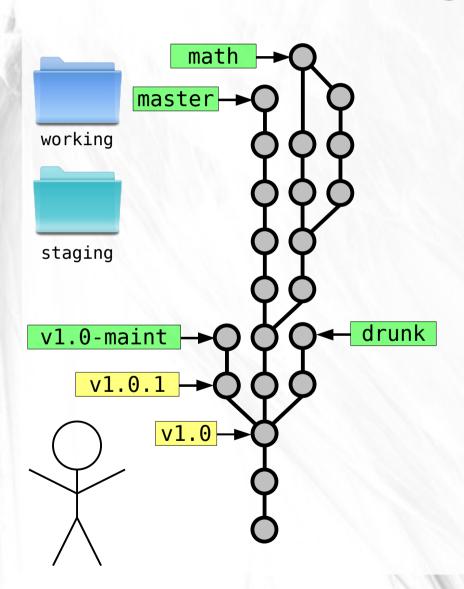


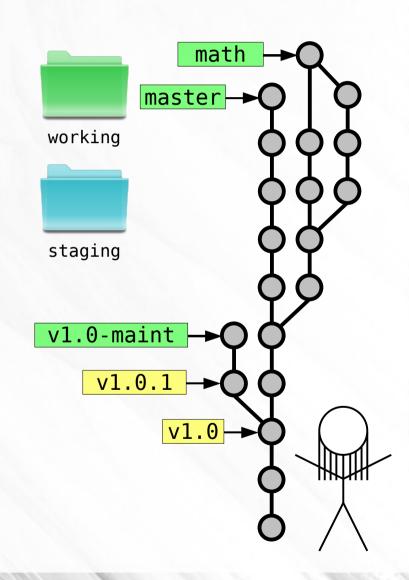


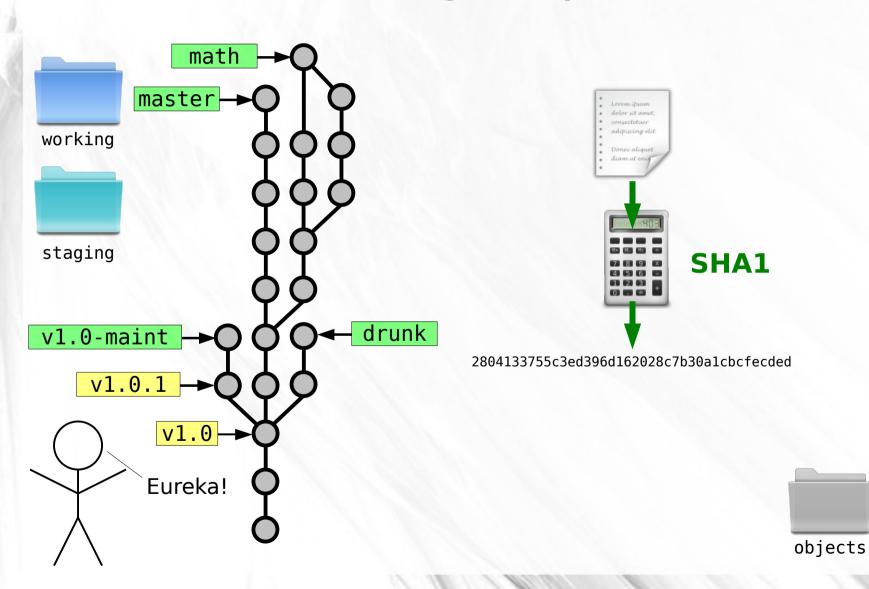


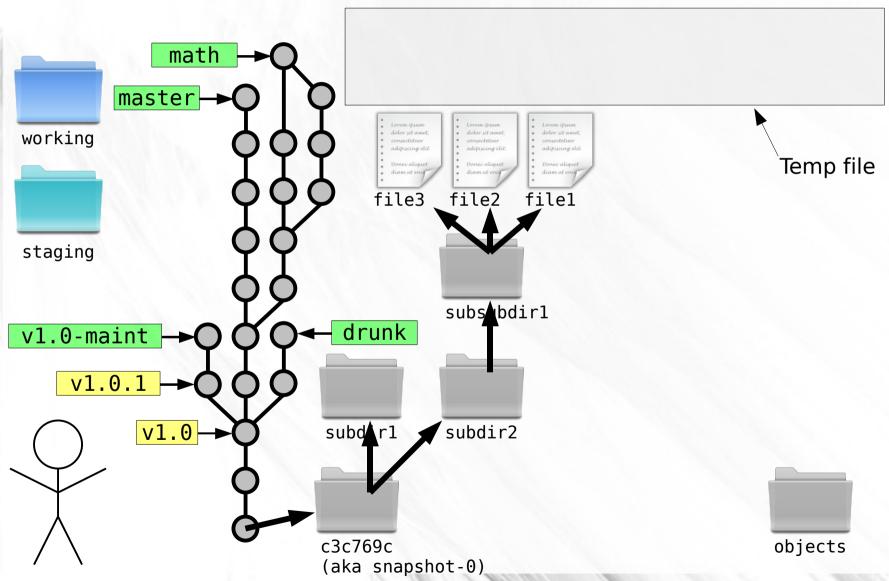


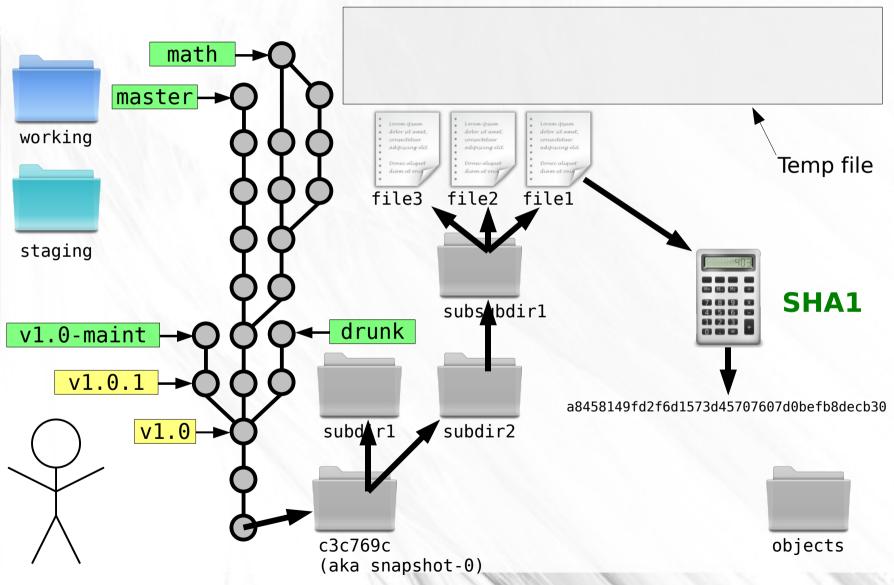


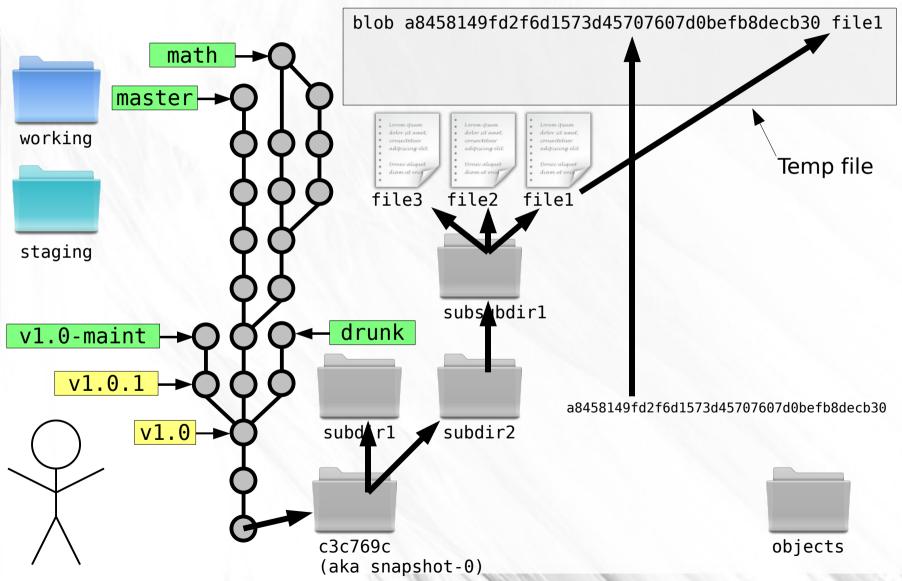


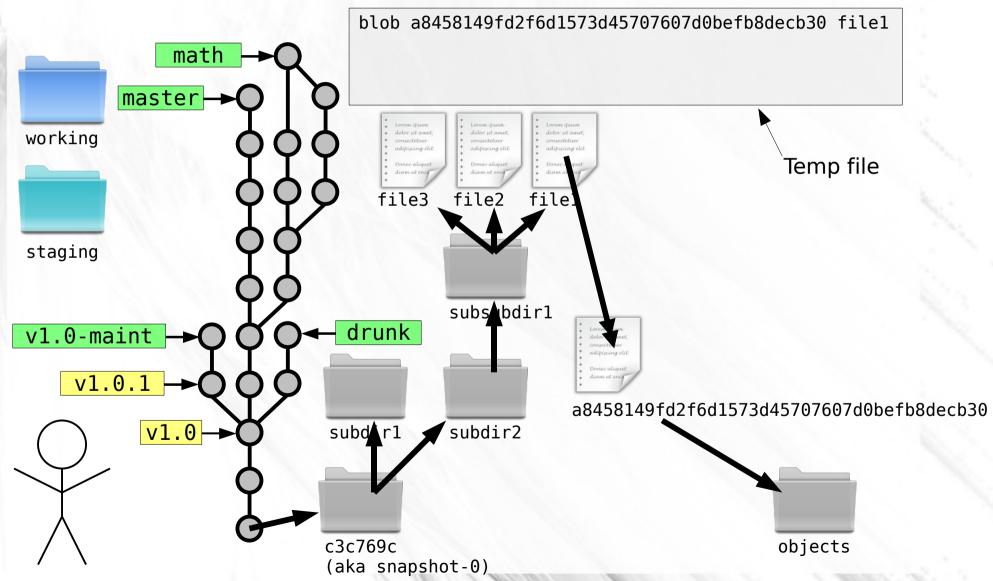


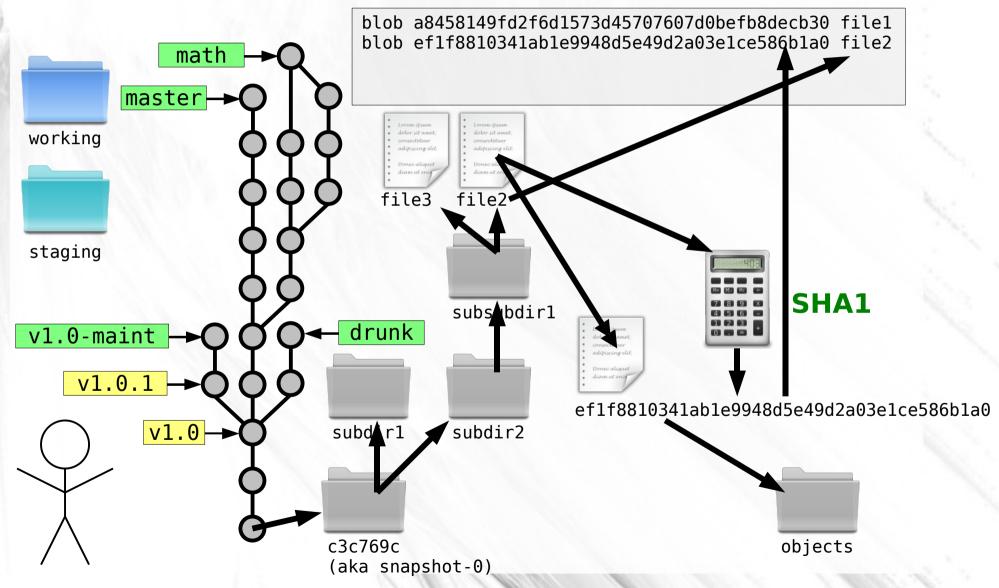


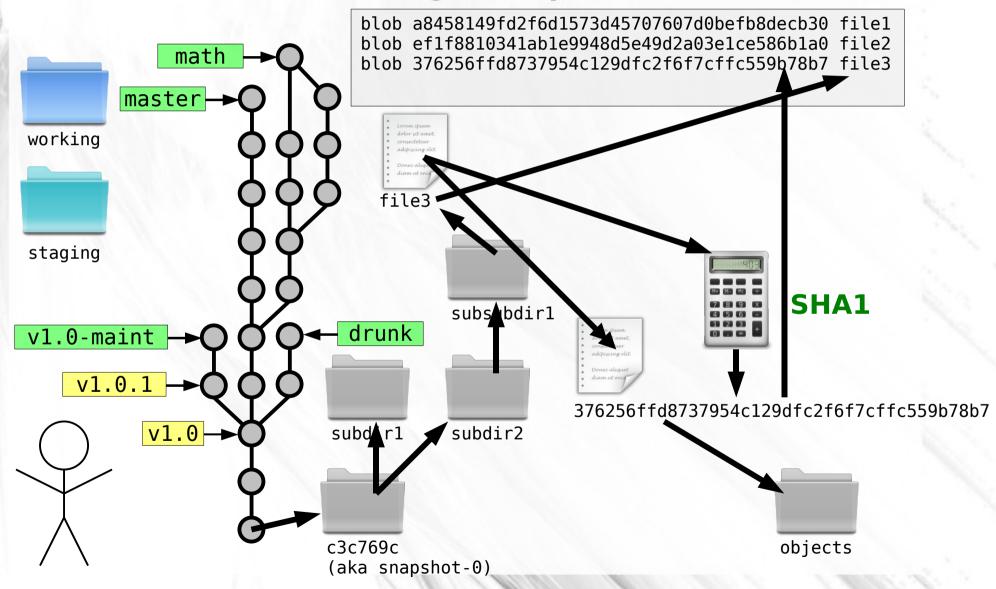


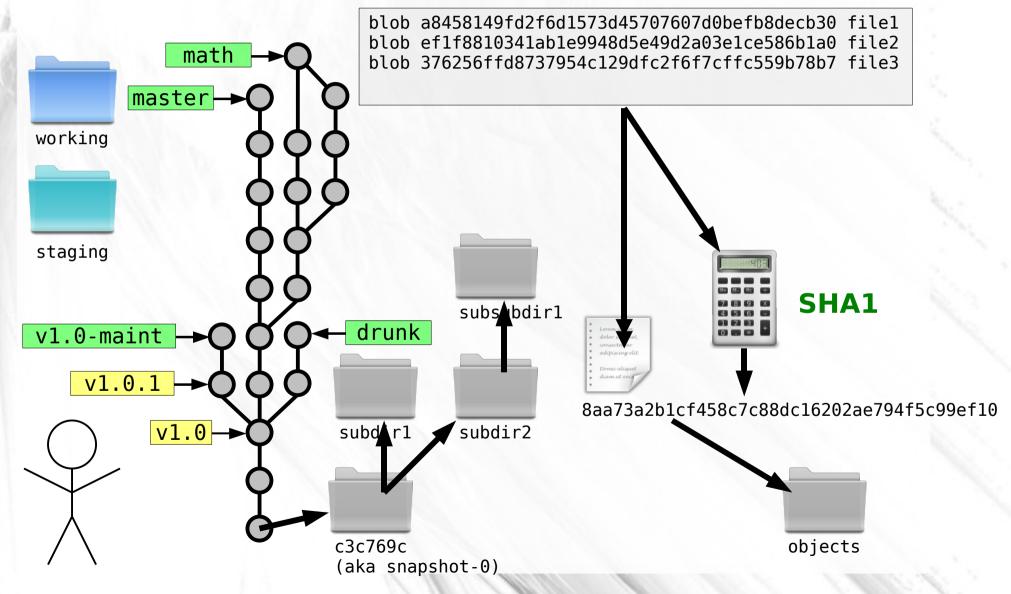


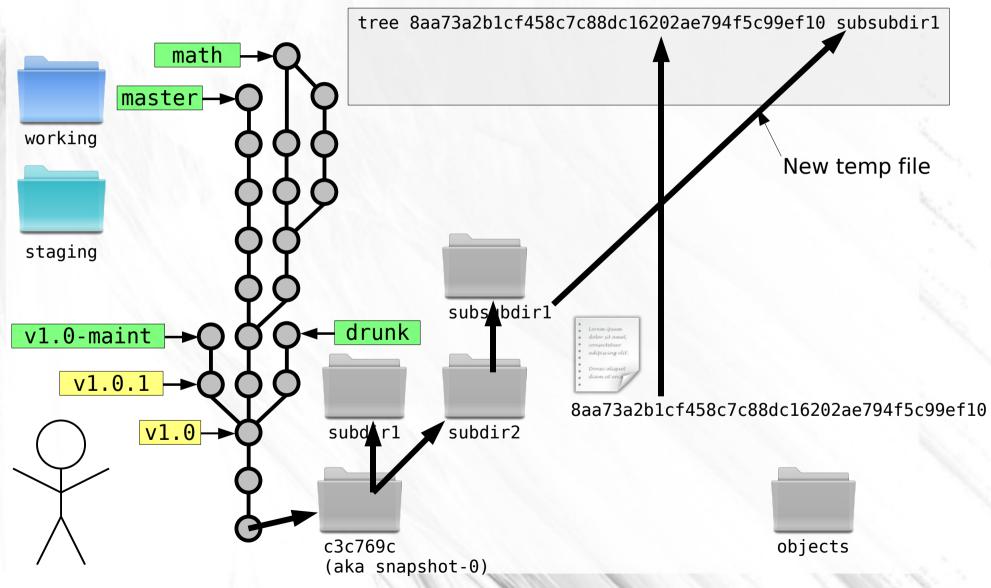


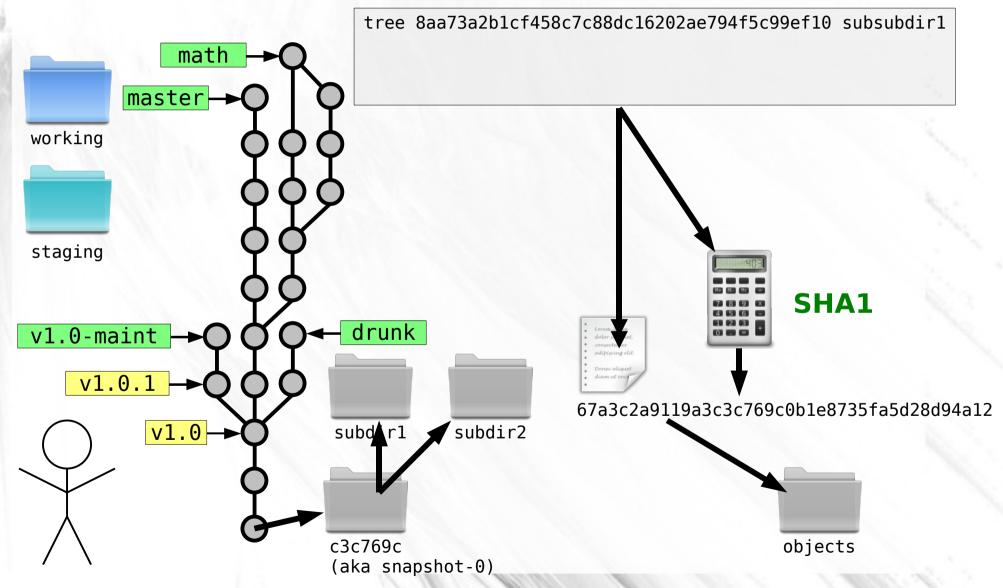


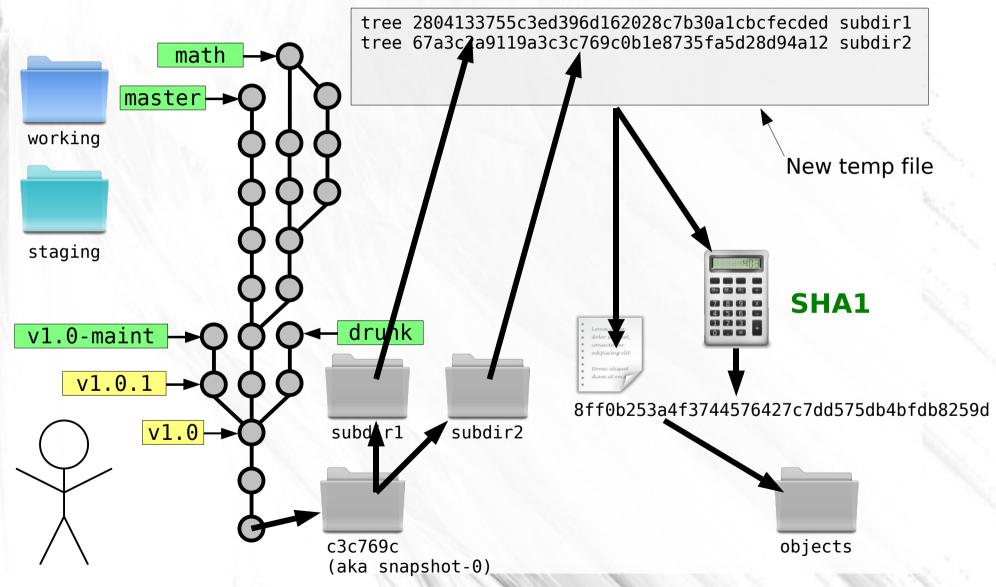


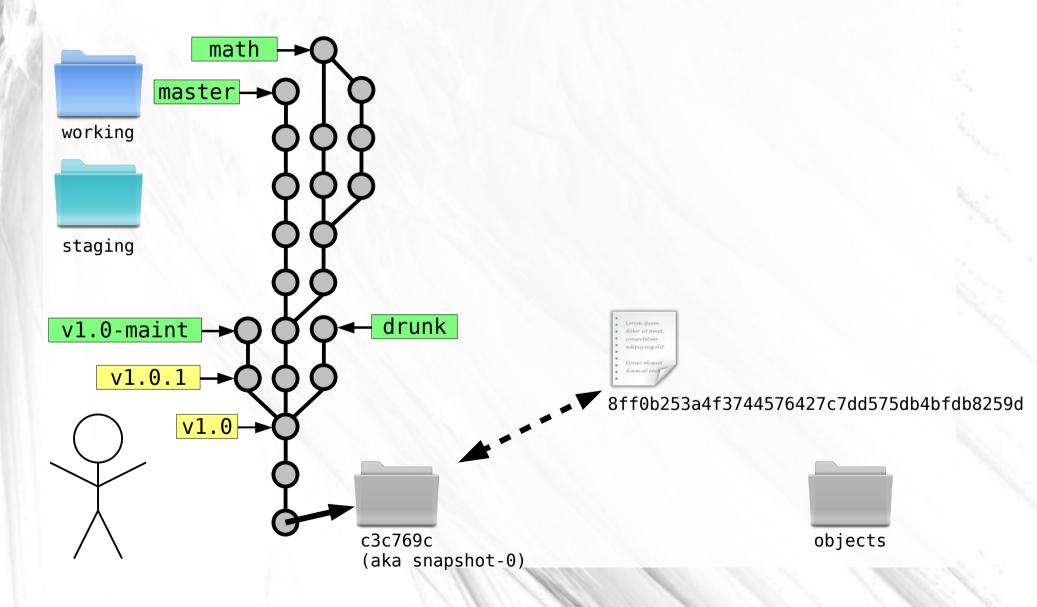


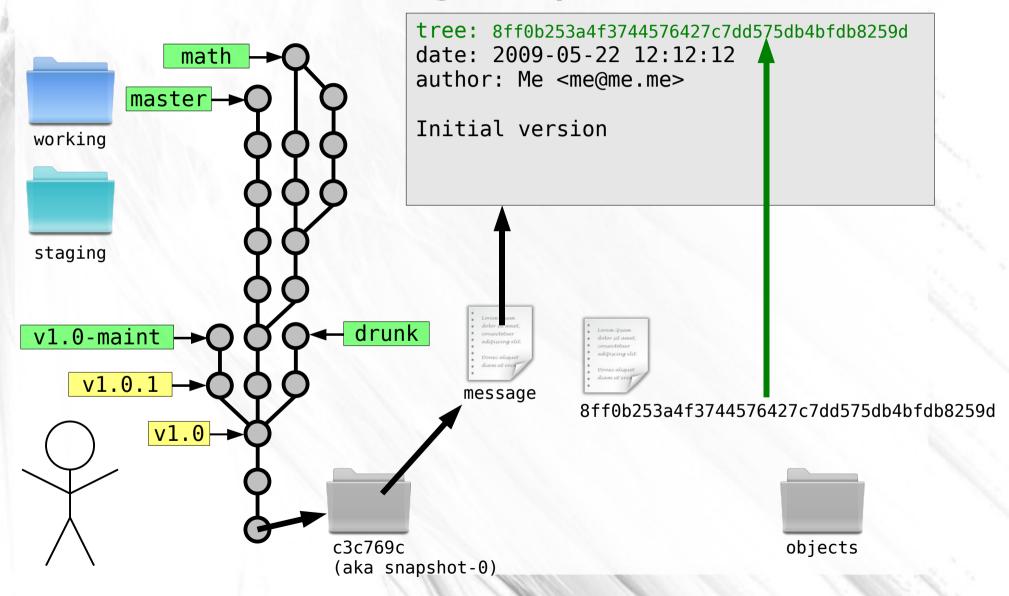


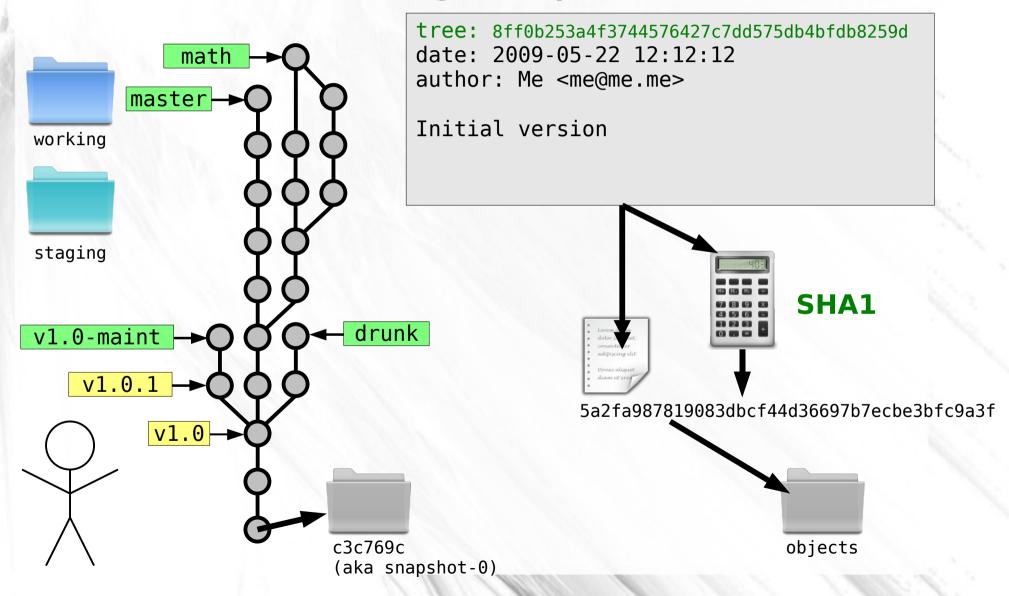


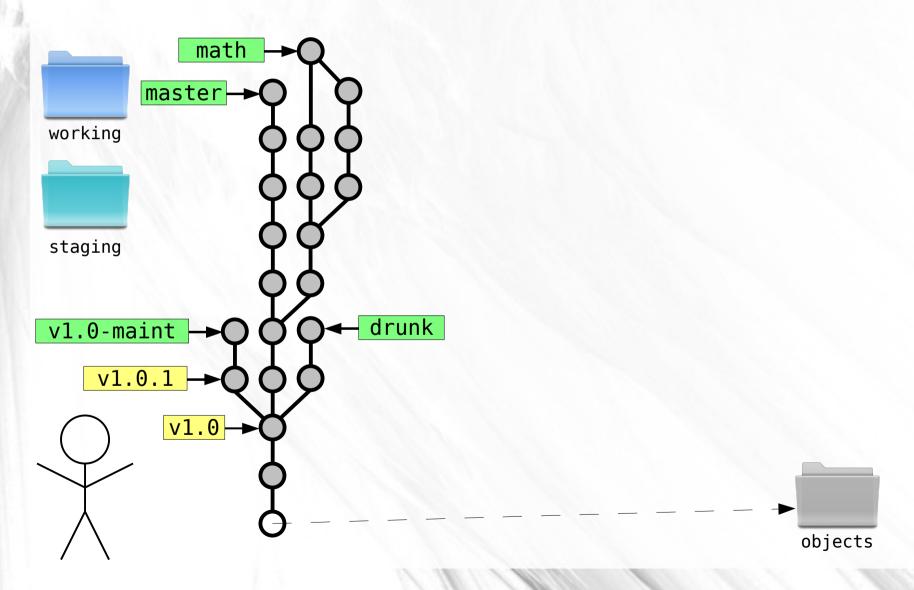


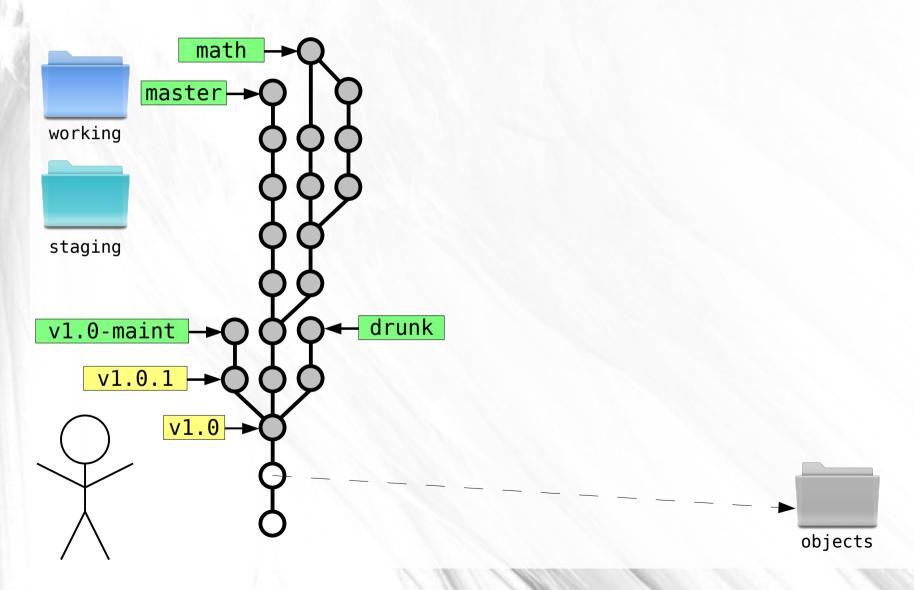


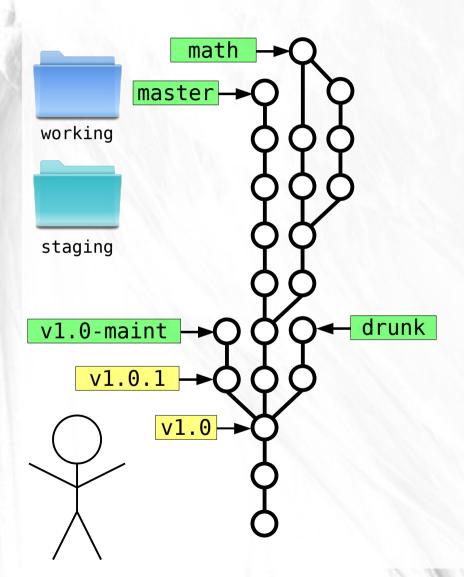






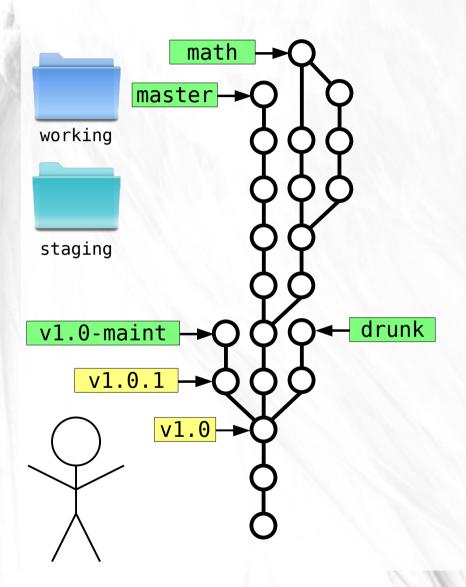


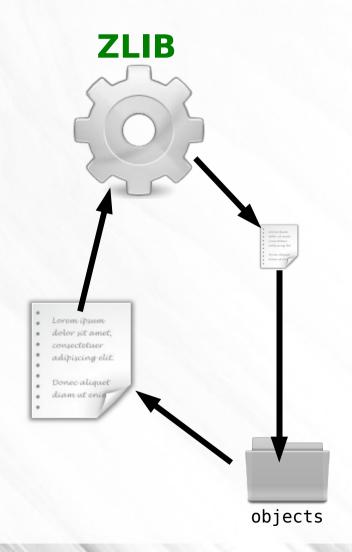




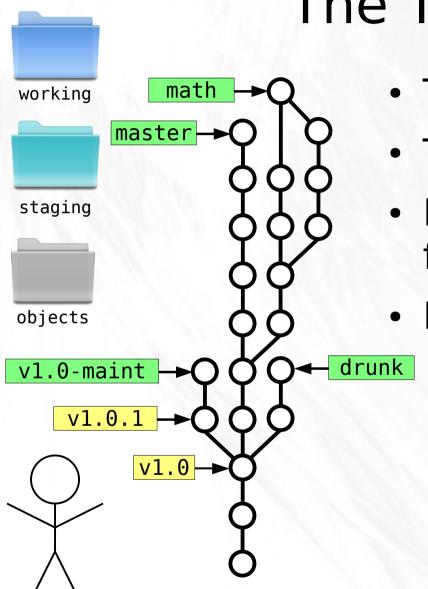


Compressing Blobs



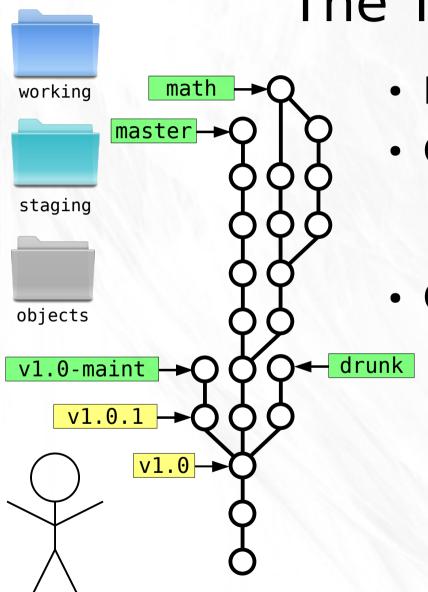


The True Git



- TADAA!
- This is pretty much Git
- Nicer command line tools for all these operations
- Many, many other tools

The True Git



- Keep this parable in mind
- Git is simple and powerful

One more thing:

git reflog

Where to go next?

- @ Opera:
 - http://dvcs.oslo.osa
 - dvcs-interest@opera.com
 - johanh@opera.com
- In general:
 - Git homepage: http://git-scm.com
 - Git Community Book: http://book.git-scm.com/
 - http://gitorious.org / http://github.com

Questions?

- Thanks for your attention!
- This presentation is available at: http://dvcs.oslo.osa/~johanh/git_parable/
- Reach me at <johanh@opera.com>