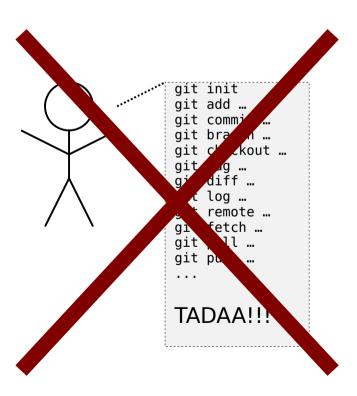
Alexandre Badez

<alexandre.badez@gmail.com>

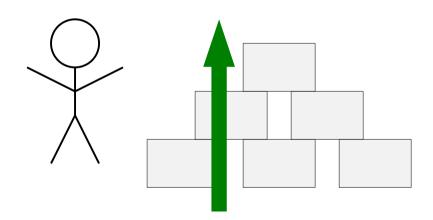
- Copié de Johan Herland https://github.com/jherland/git_parable
- ...lui même copié de Tom Preston-Werner http://tom.preston-werner.com/2009/05/19/the-git-parable.html
- Un peu de paresse
- J'aime les histoires...
- C'est une bonne histoire.
- Et la meilleure pour comprendre Git.

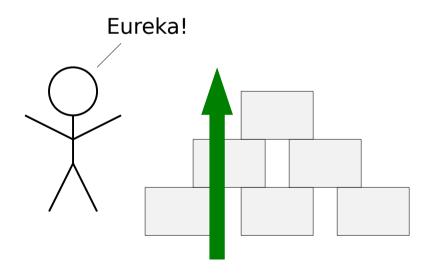
```
git init
git add ...
git commit ...
git branch ...
git checkout ...
git tag ...
git diff ...
git log ...
git remote ...
git pull ...
git push ...
```

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



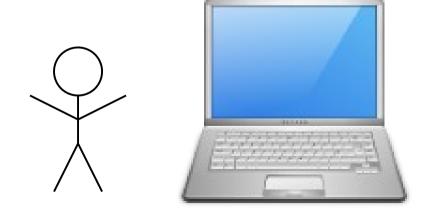






L'Histoire

- Un simple ordinateur
 - Un simple éditeur de texte.
 - Un système de fichier simple.



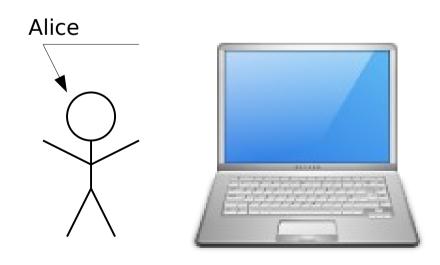
L'Histoire

• Ecrire un logiciel complexe

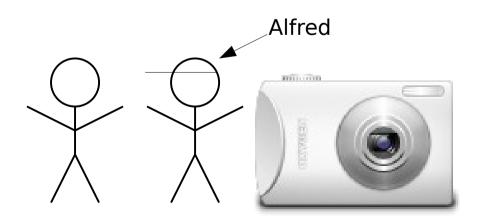


L'Histoire

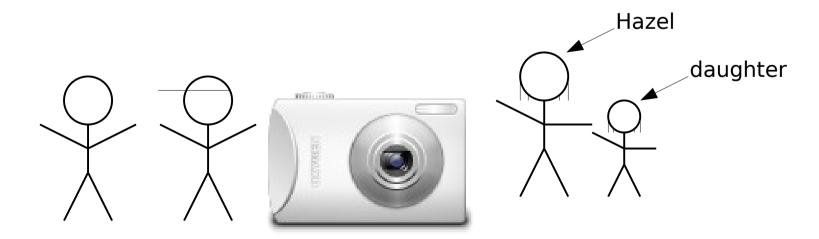
- Ecrire un logiciel complexe
- Inventer une méthode pour garder une trace des différentes versions.
 - récupérer du code modifié et/ou effacé



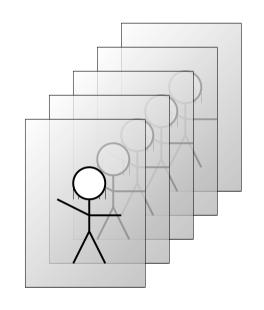
• Alfred, le photographe

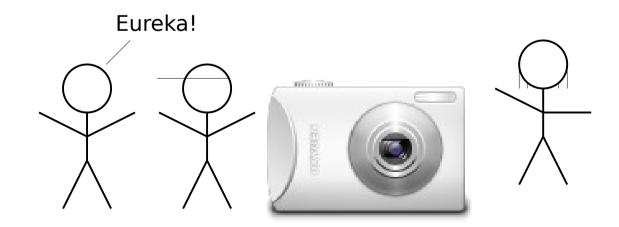


- Alfred, le photographe
- Hazel et sa fille

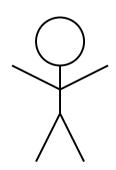


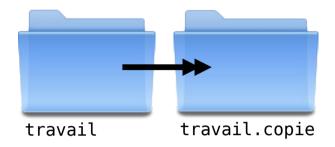
- Alfred, le photographe
- Hazel et sa fille
 - Se souvenir de sa fille à ses différents âges

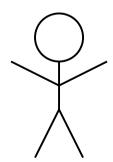


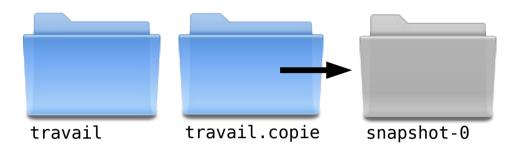


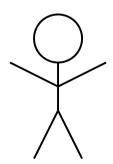


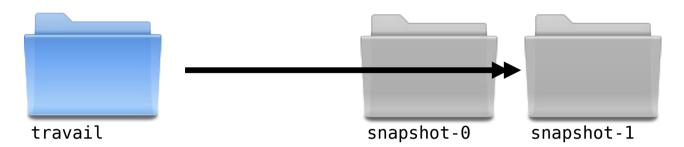


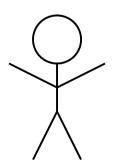






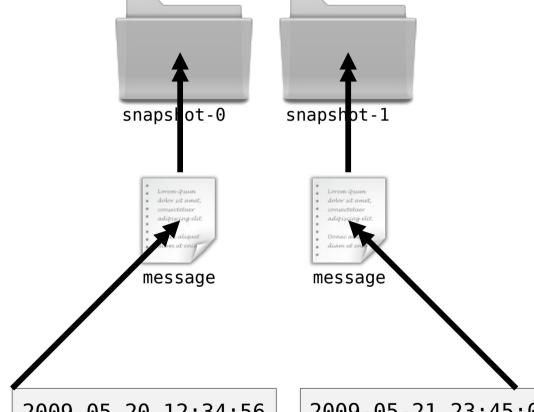


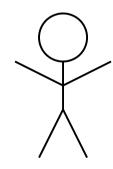












2009-05-20 12:34:56

Initial version

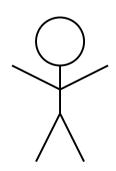
2009-05-21 23:45:01

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



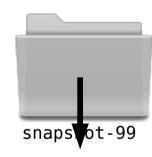


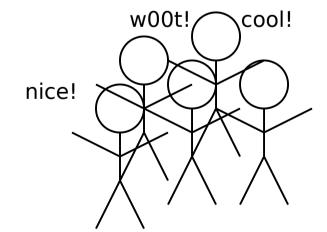


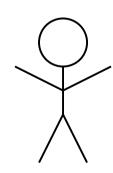




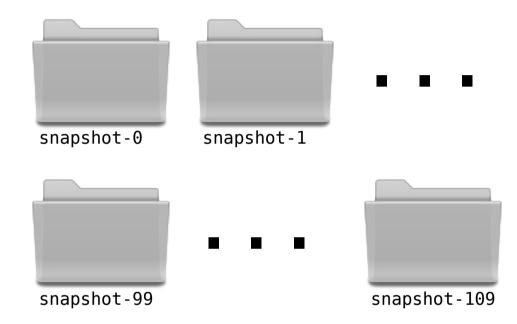


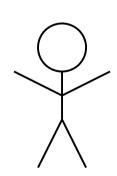


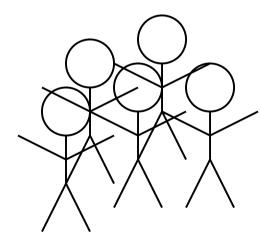




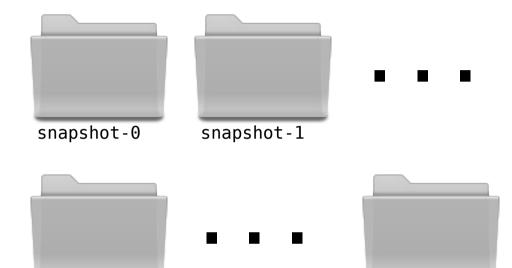




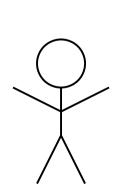






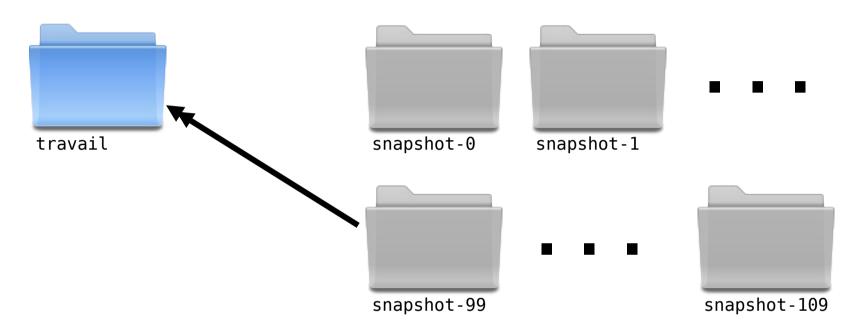


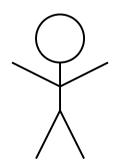
snapshot-109



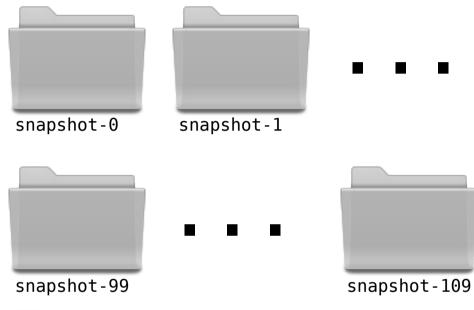


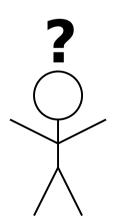
snapshot-99





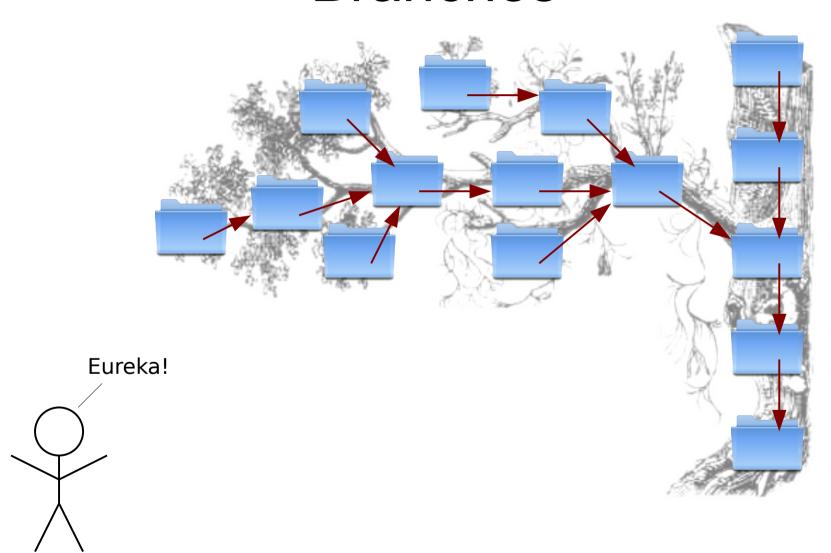


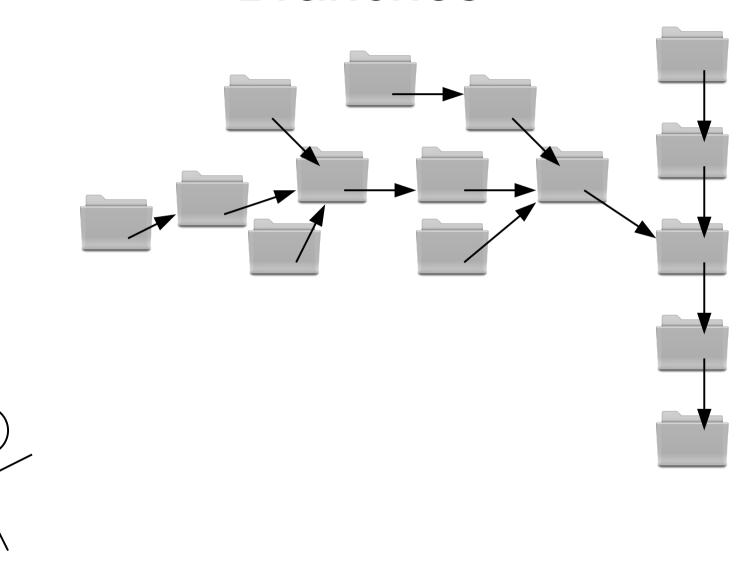


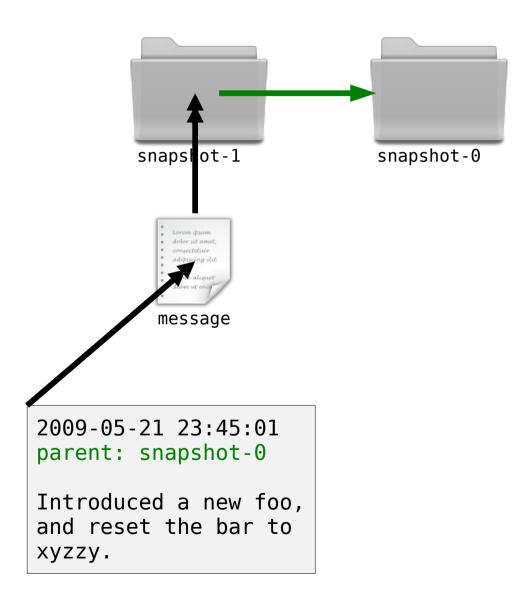


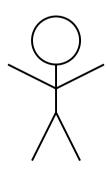






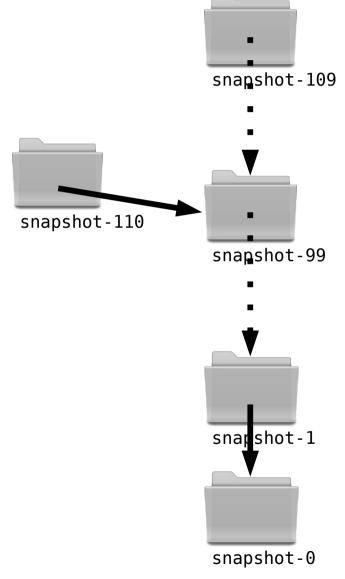


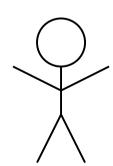




Le nom des Branches

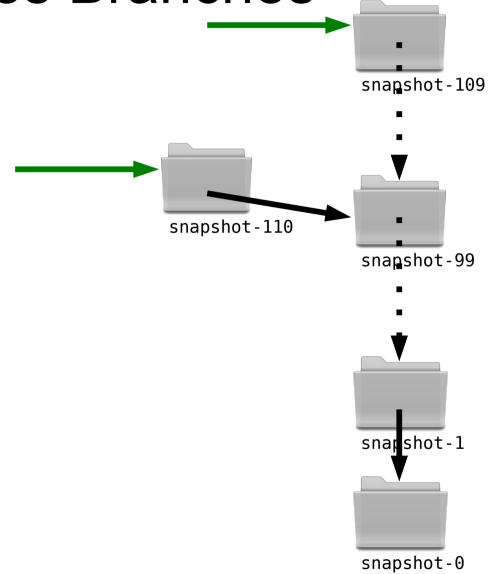


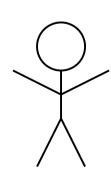




Le nom des Branches

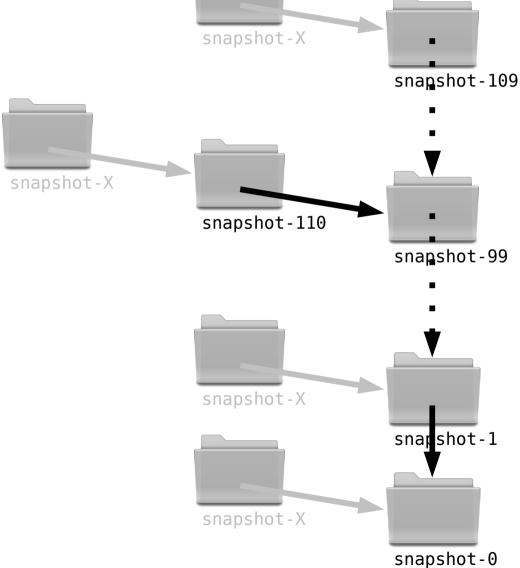


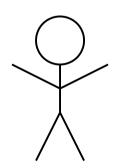




Le nom des Branches

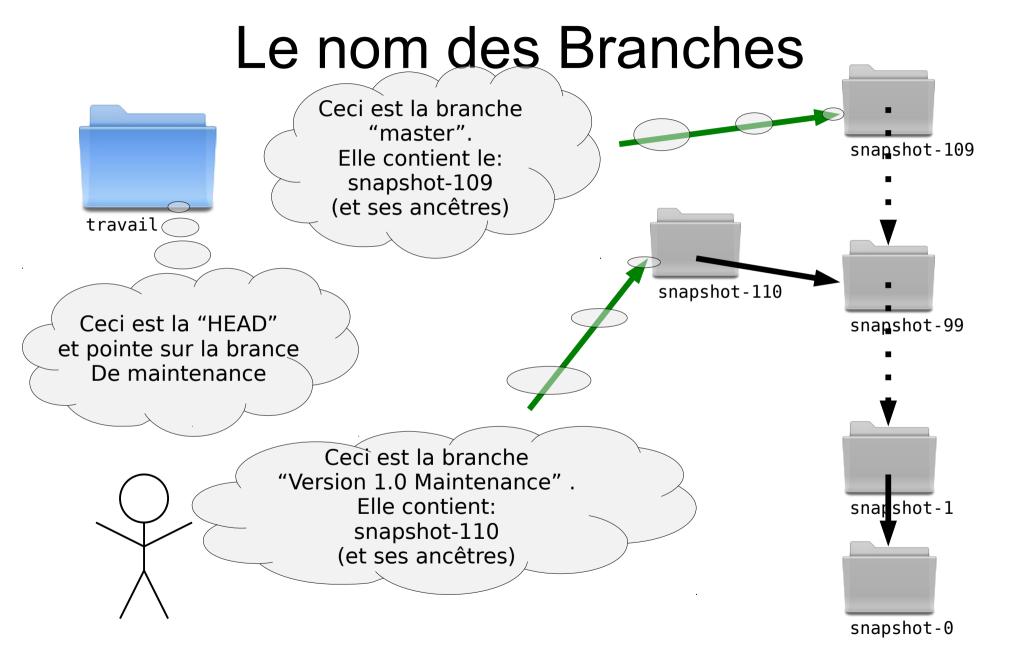




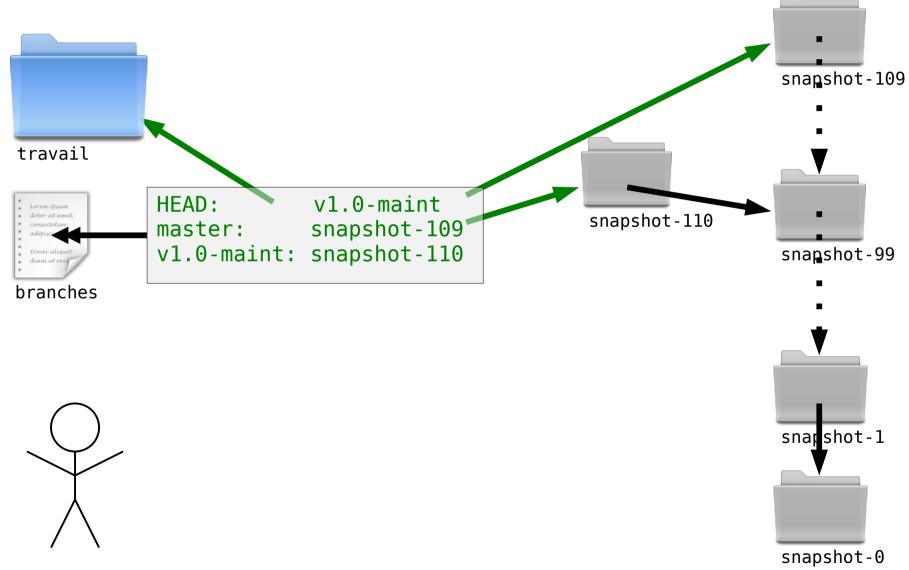


Le nom des Branches snapshot-X snapshot-109 travail snapshot-X snapshot-110 snapshot-99 snapshot-X snarshot-1 snapshot-X snapshot-0

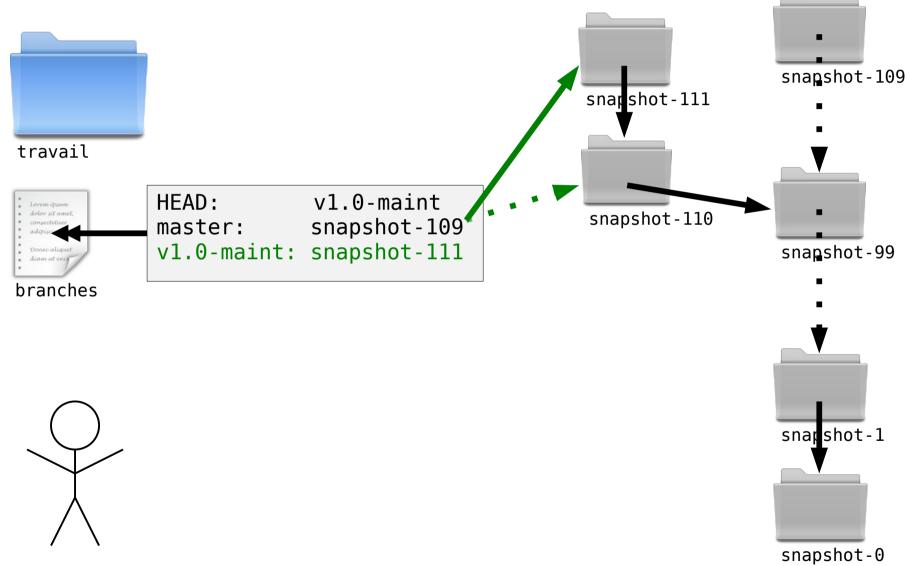
Le nom des Branches snapshot-109 Ceci est la branche "maitresse" - master travail snapshot-110 snapshot-99 Ceci est la copie de travail d'un snapshot Ce sera la branche snarshot-1 "Version 1.0 Maintenance" snapshot-0



Le nom des Branches

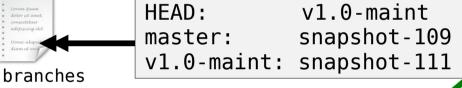


Le nom des Branches







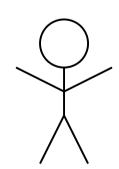


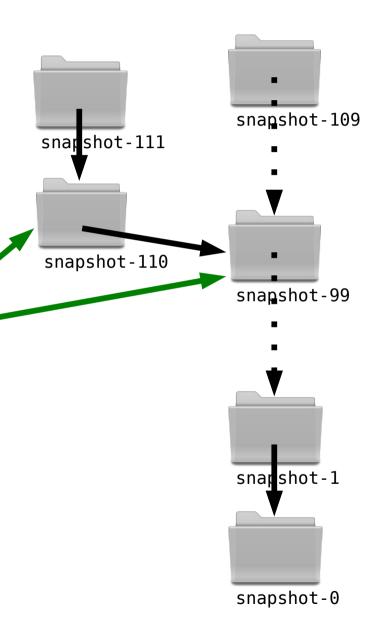
V1.0: snapshot-99

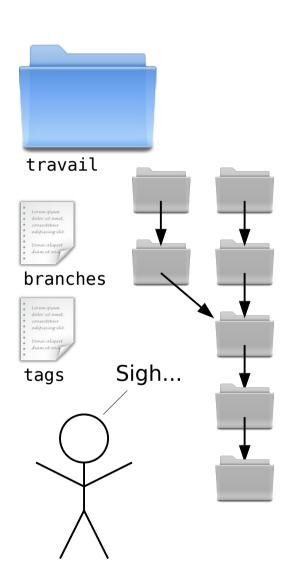
v1.0: snapshot-110

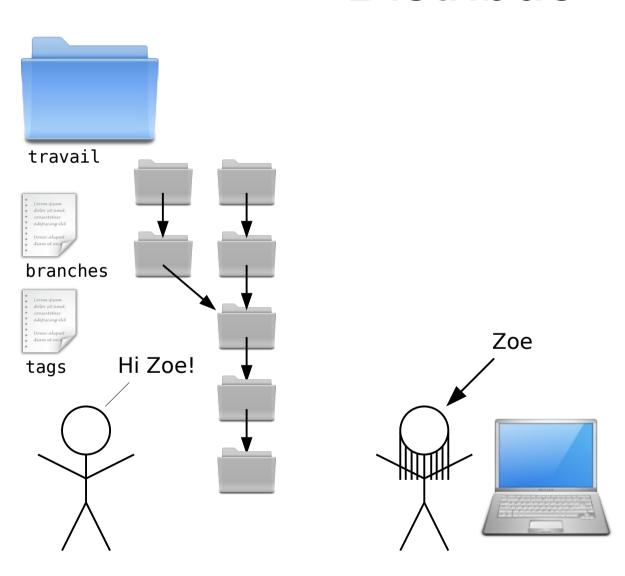
v1.0: snapshot-110

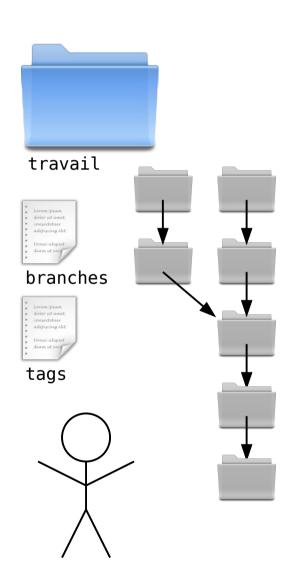
tags

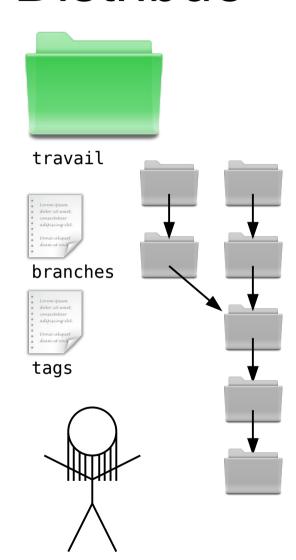


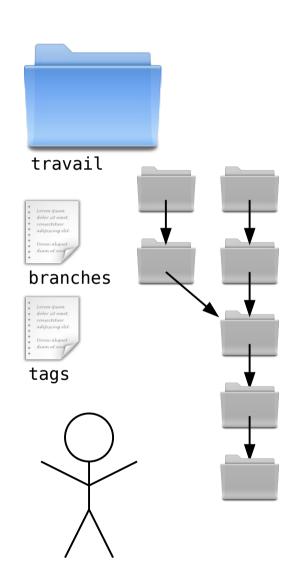


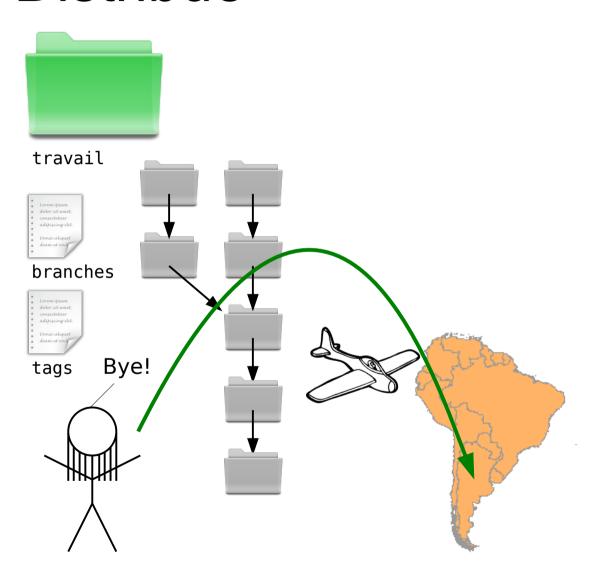


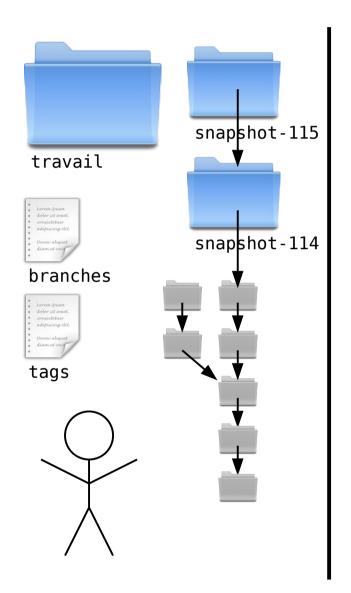


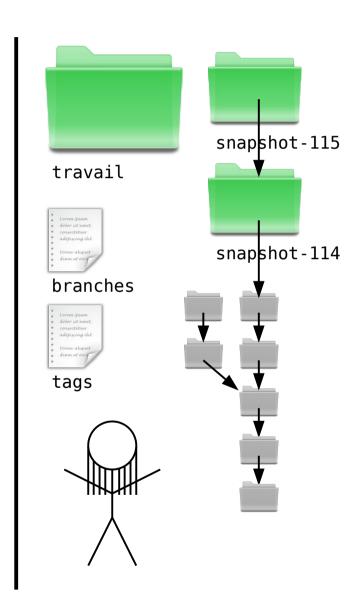


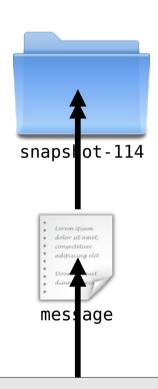






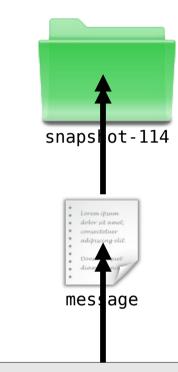






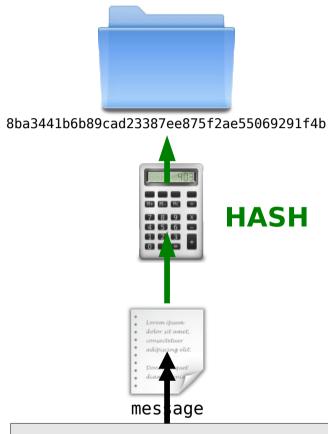
2009-05-22 12:12:12 parent: snapshot-113 author: Alice <a@li.ce>

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



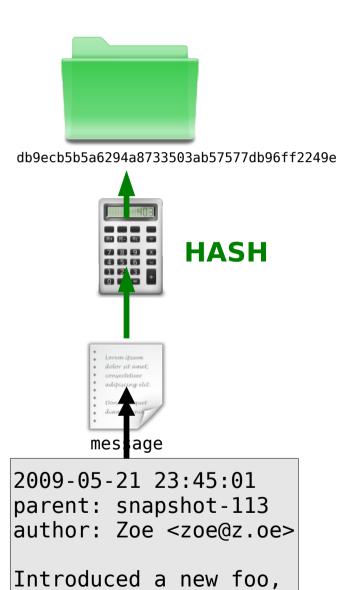
2009-05-21 23:45:01 parent: snapshot-113 author: Zoe <zoe@z.oe>

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



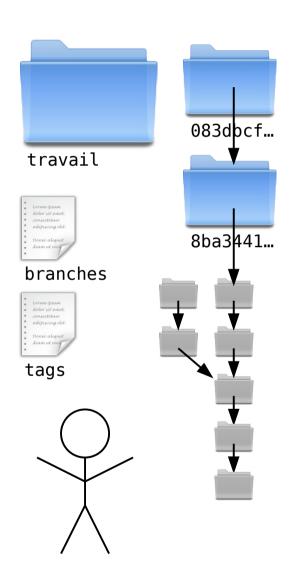
2009-05-22 12:12:12
parent: snapshot-113
author: Alice <a@li.ce>

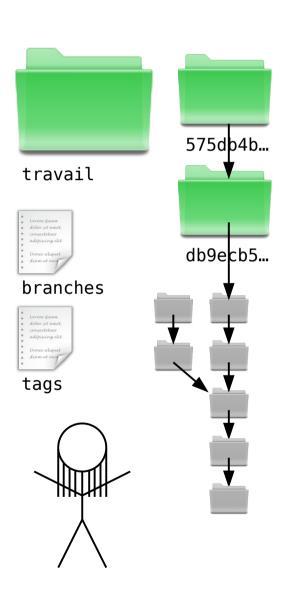
Blarfle, a cool new feature; extends the existing blorg.

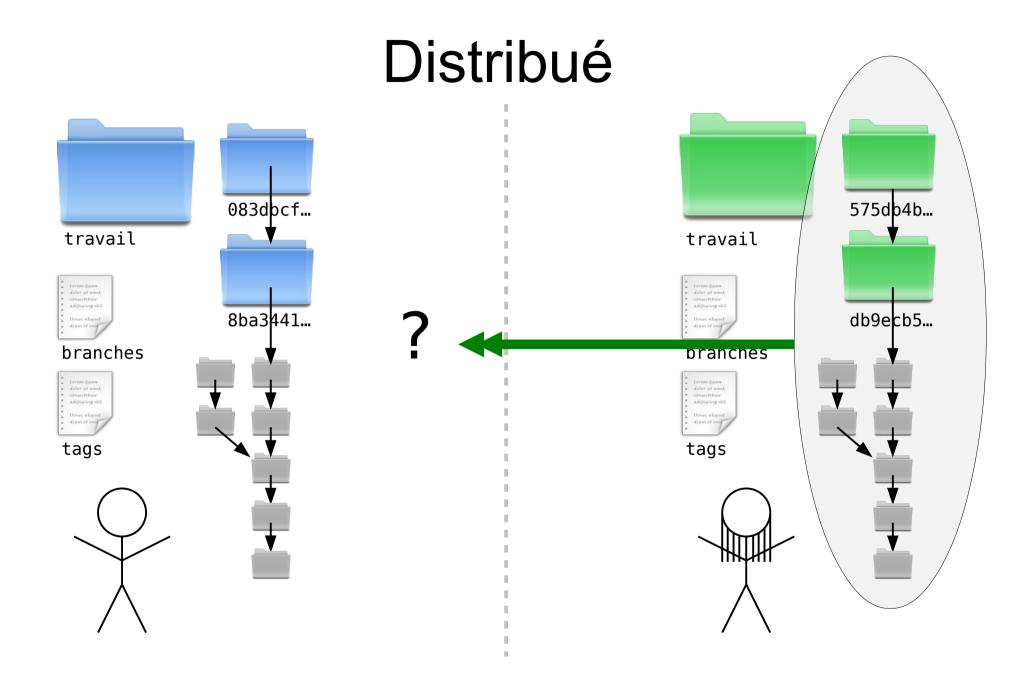


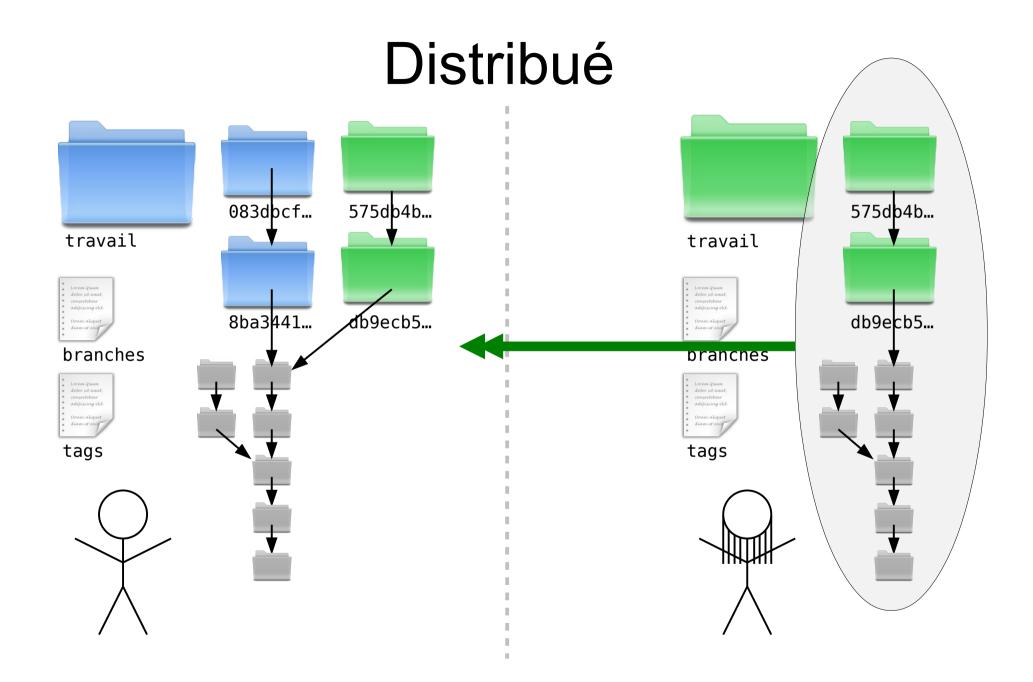
and reset the bar to

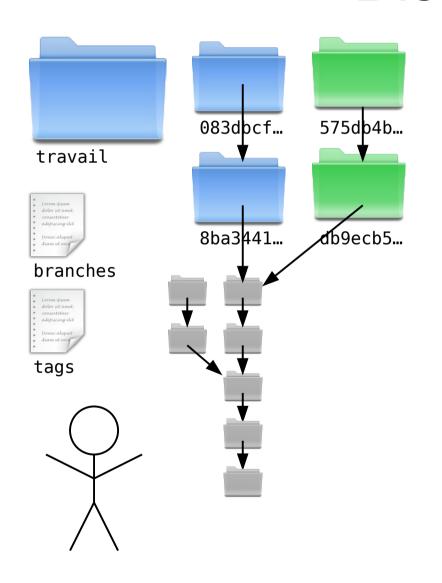
xyzzy.

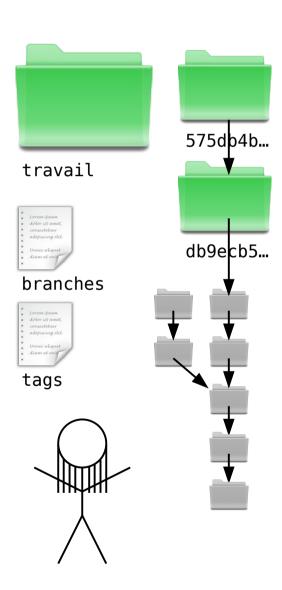




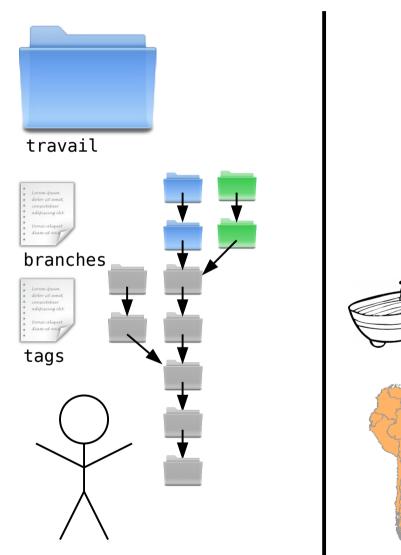


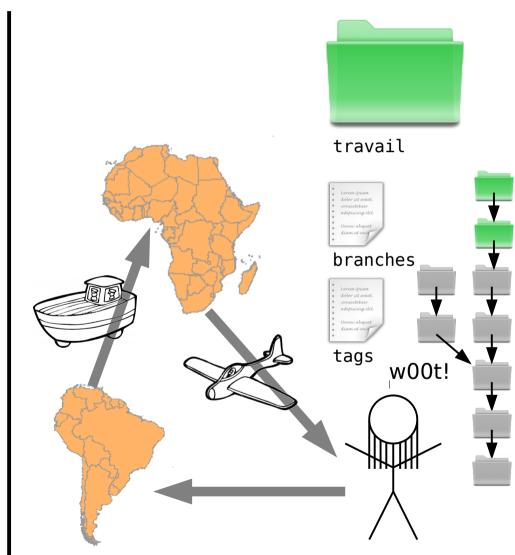




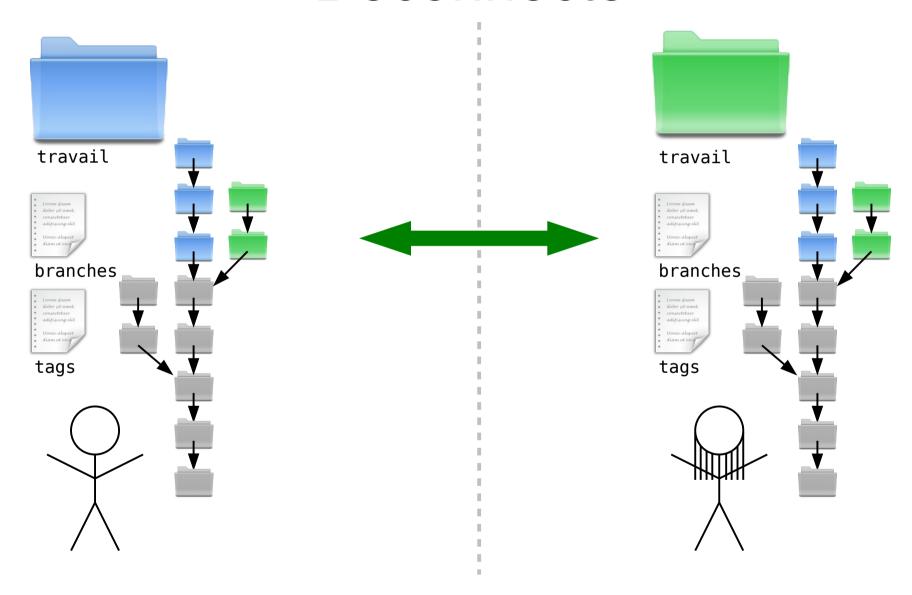


Déconnecté

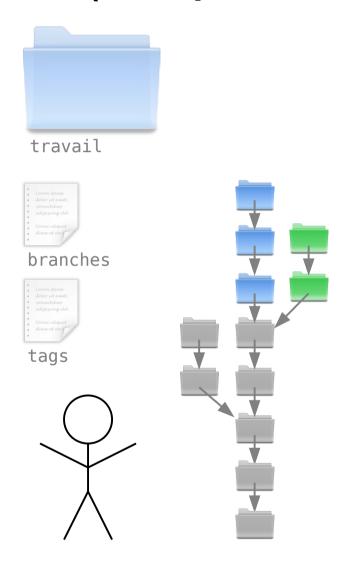


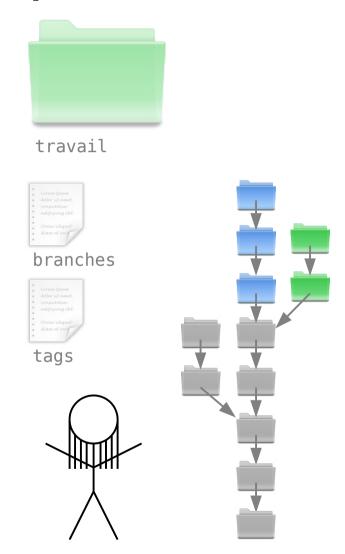


Déconnecté

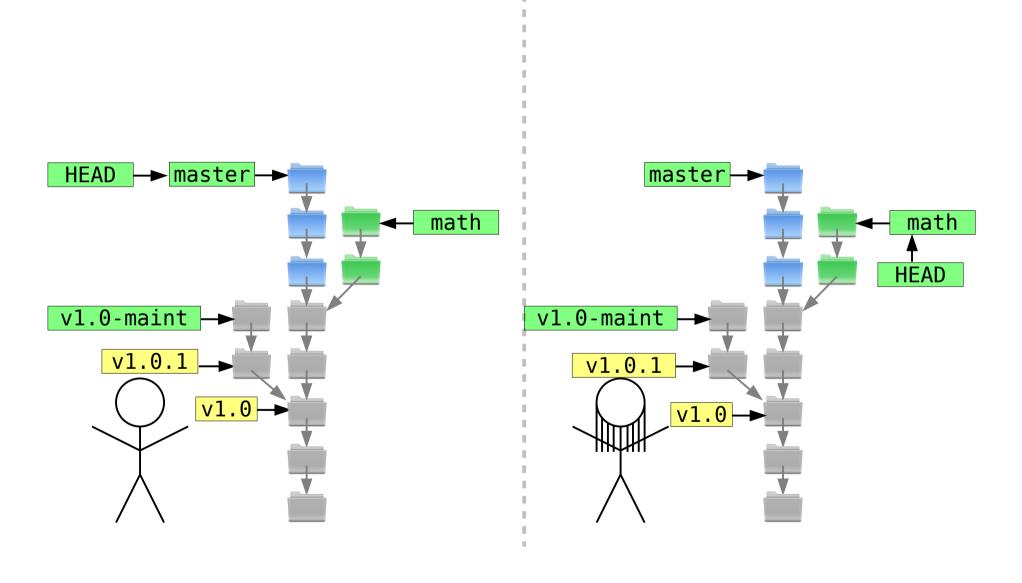


(simplifions la représentation)

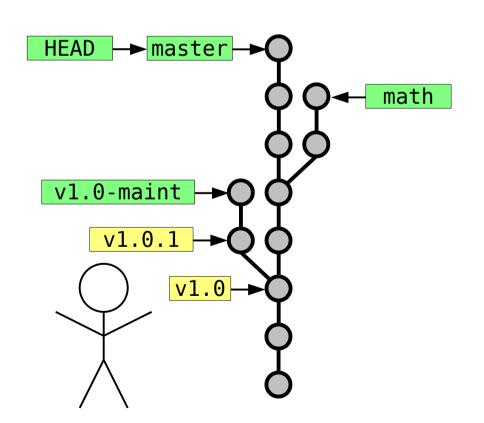


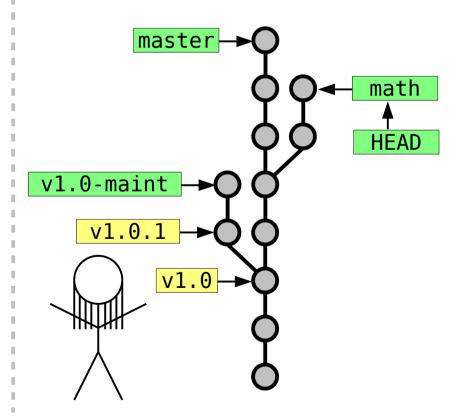


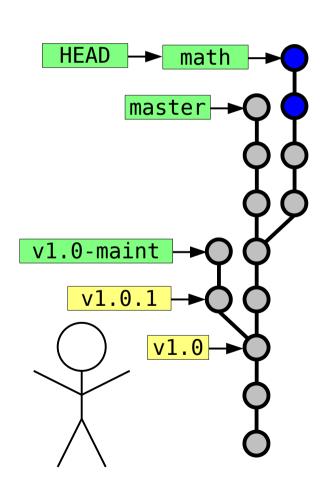
(simplifions la représentation)

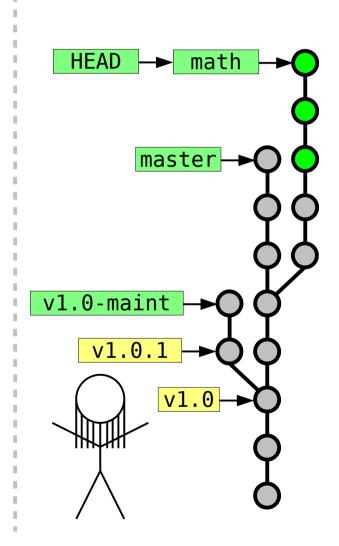


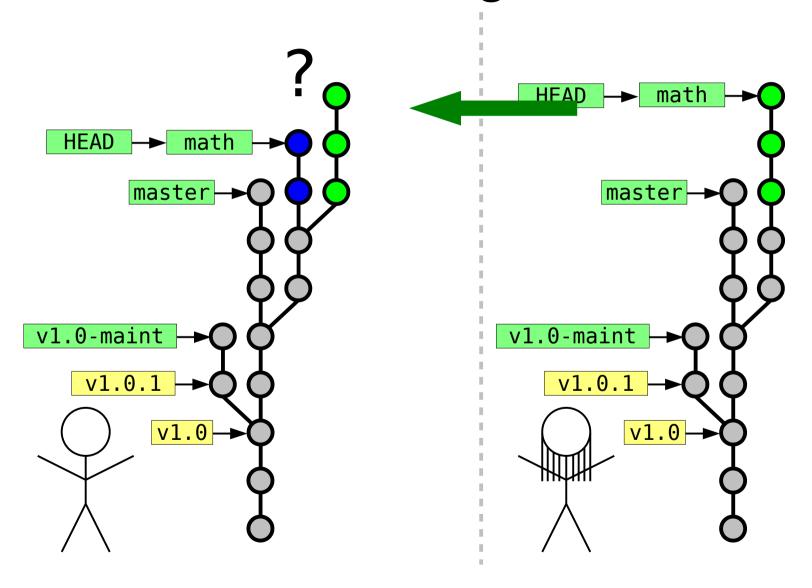
(simplifions la représentation)

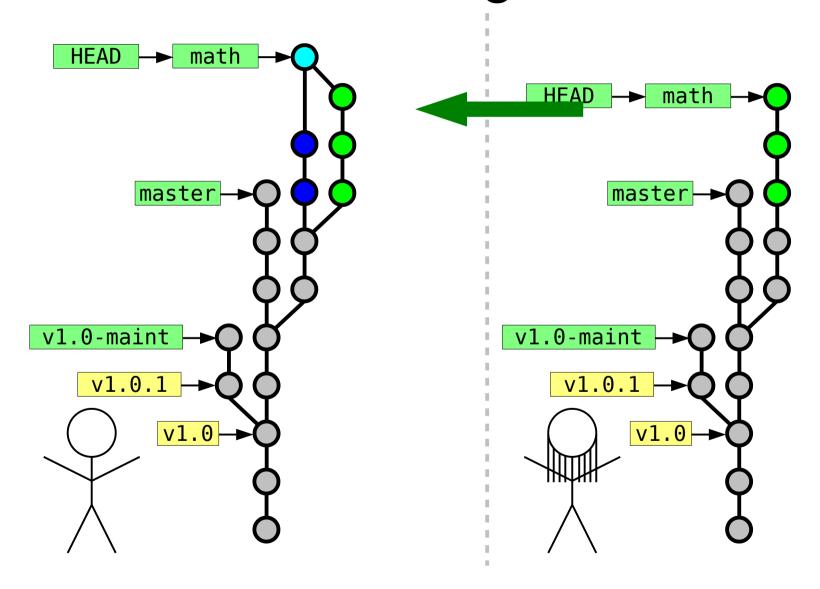


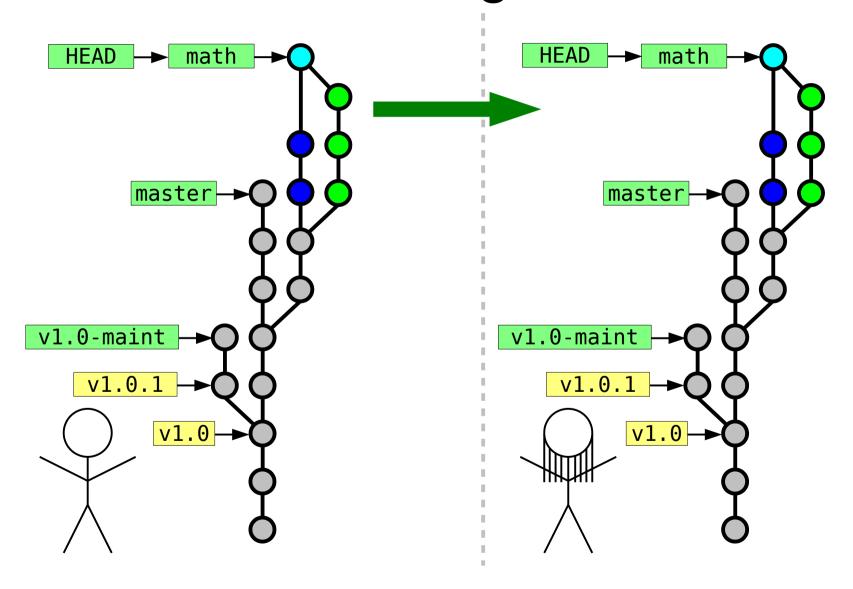


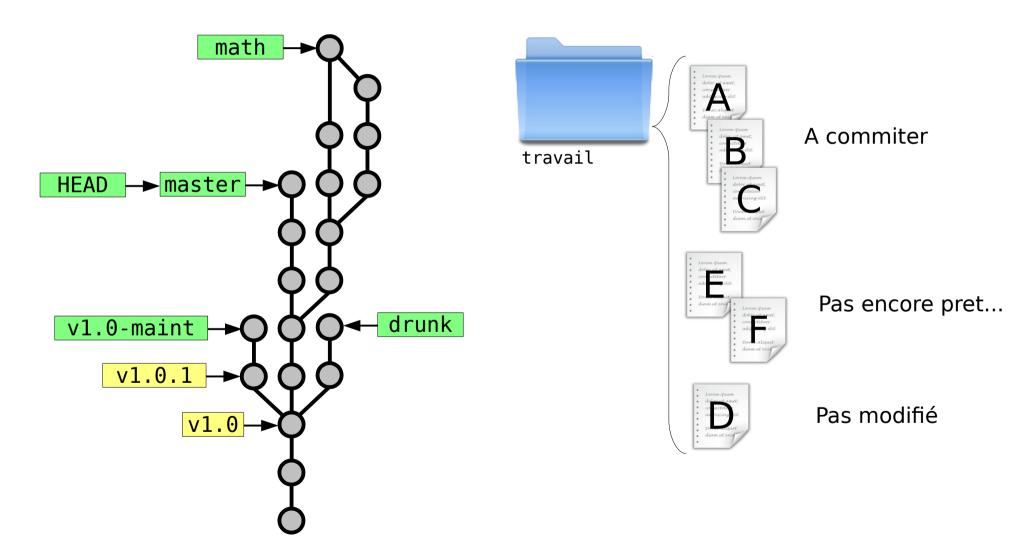


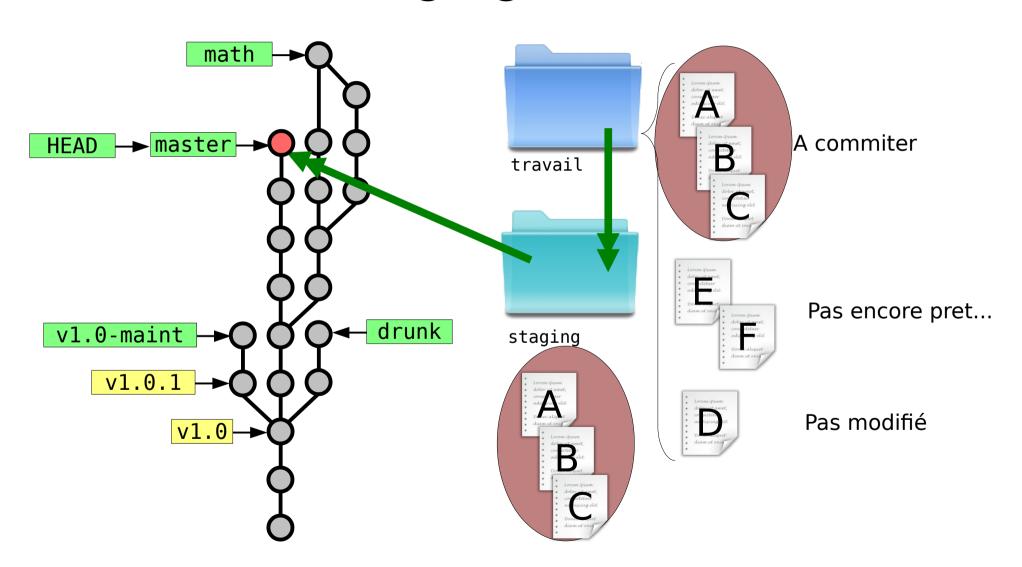


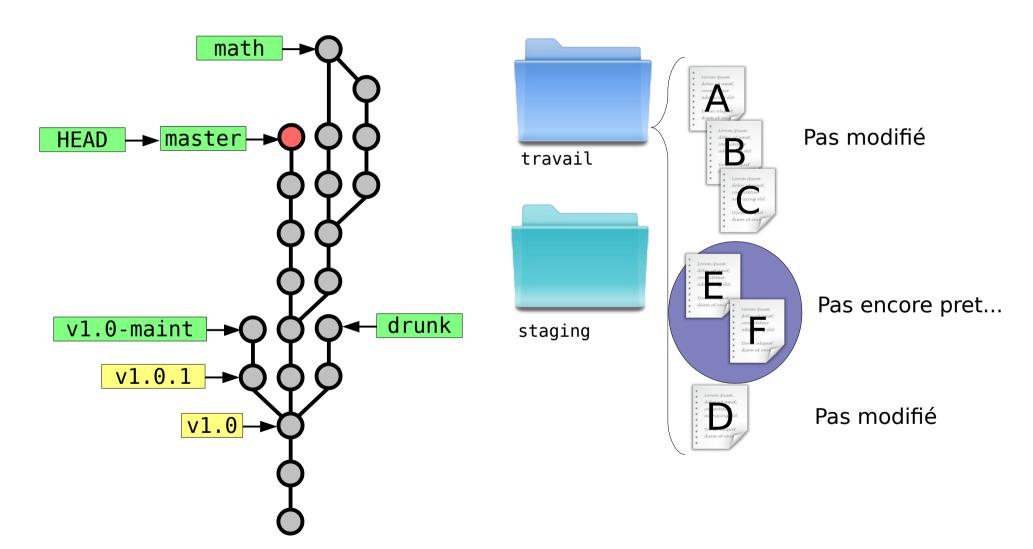


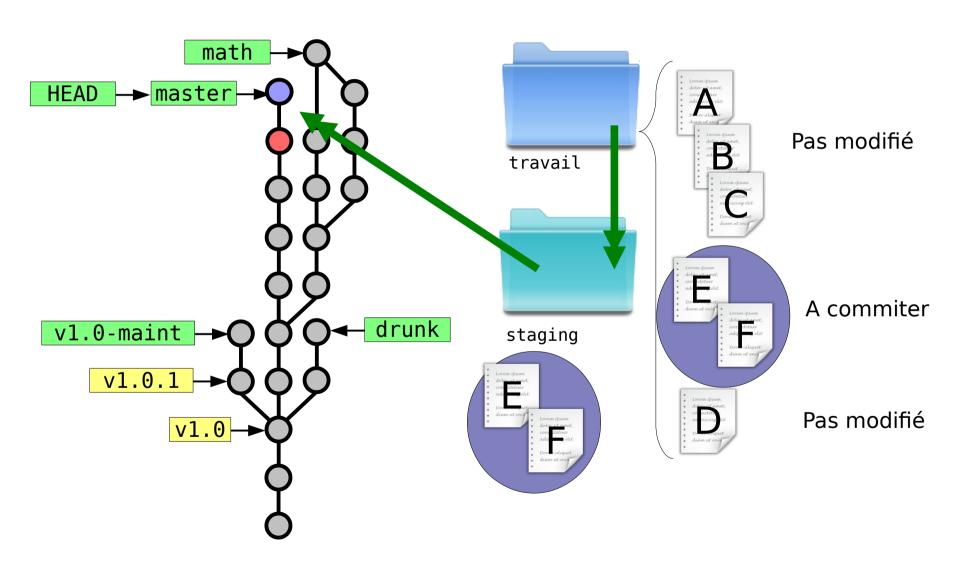


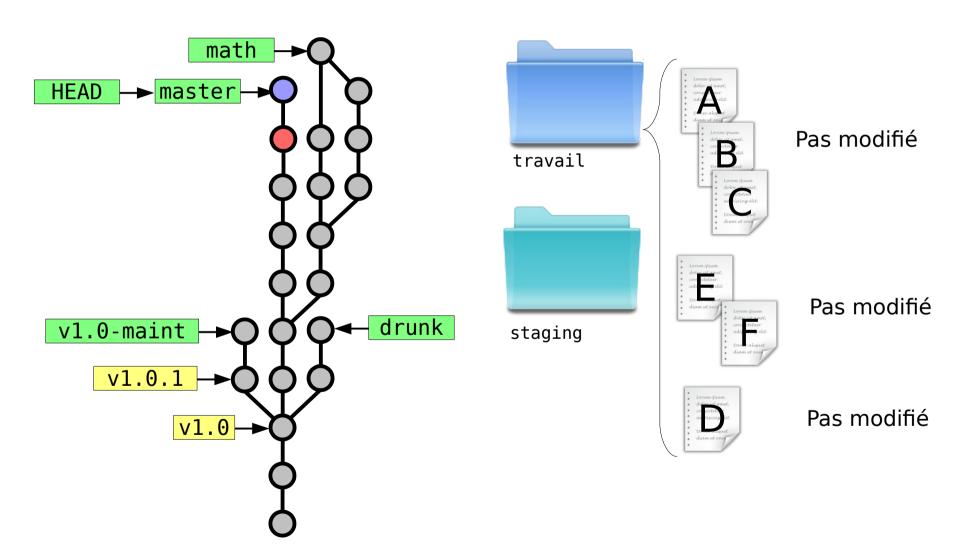




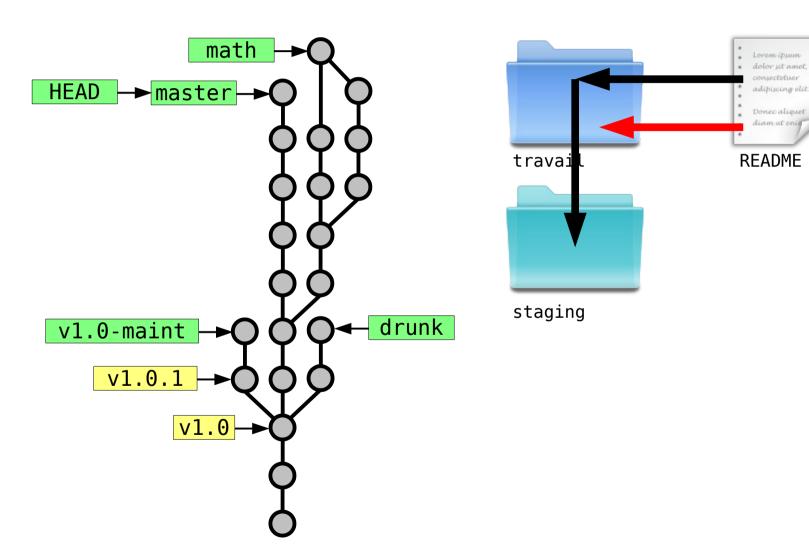


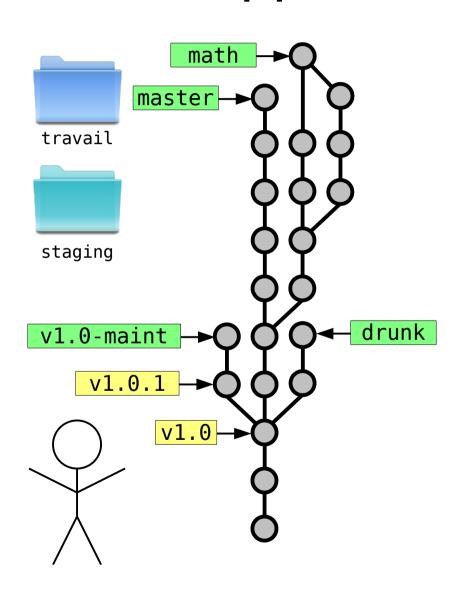


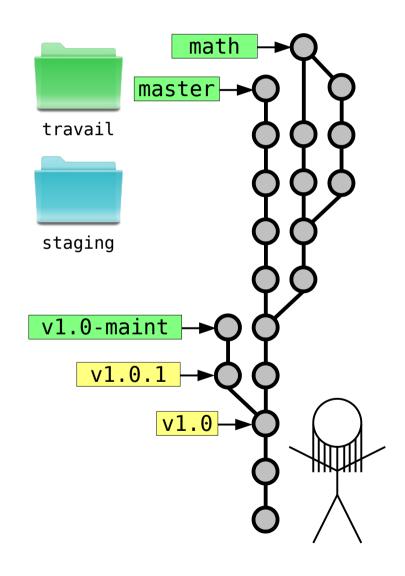


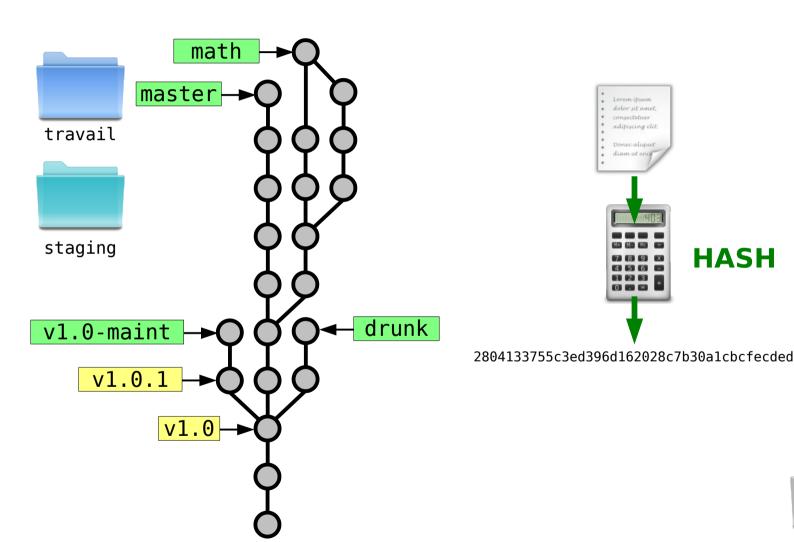


Staging

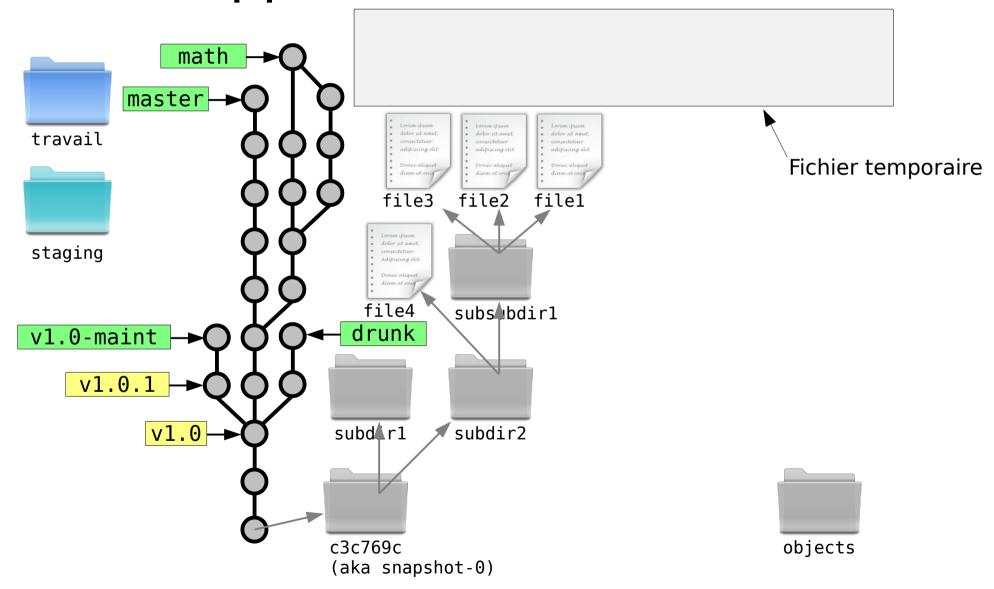


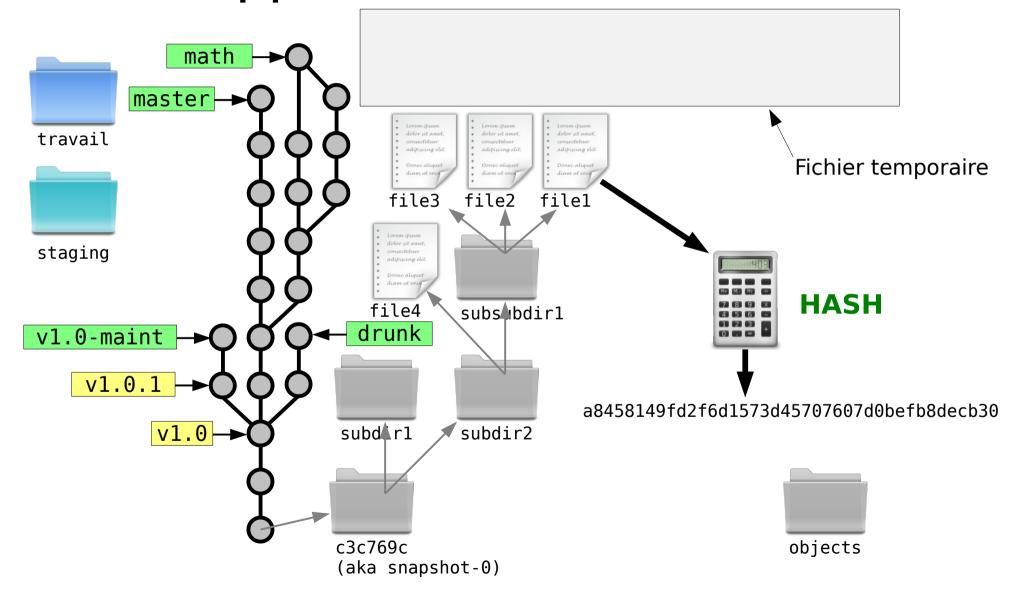


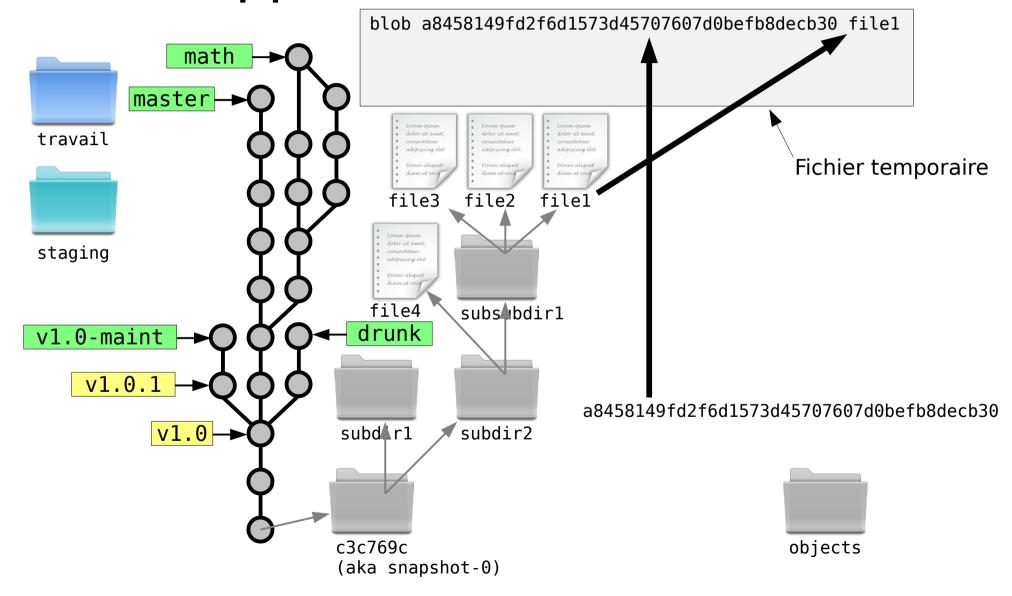


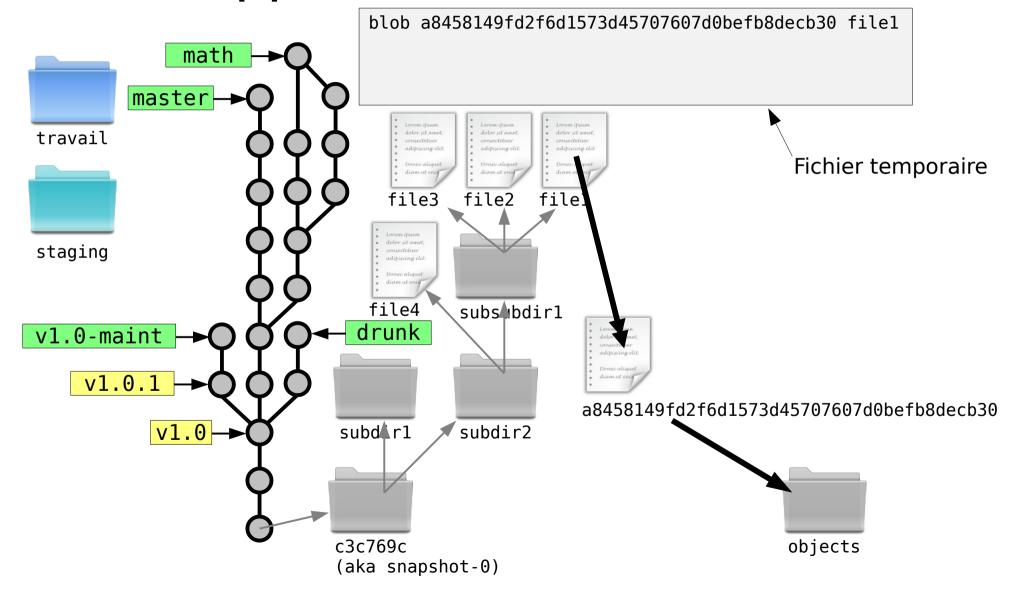


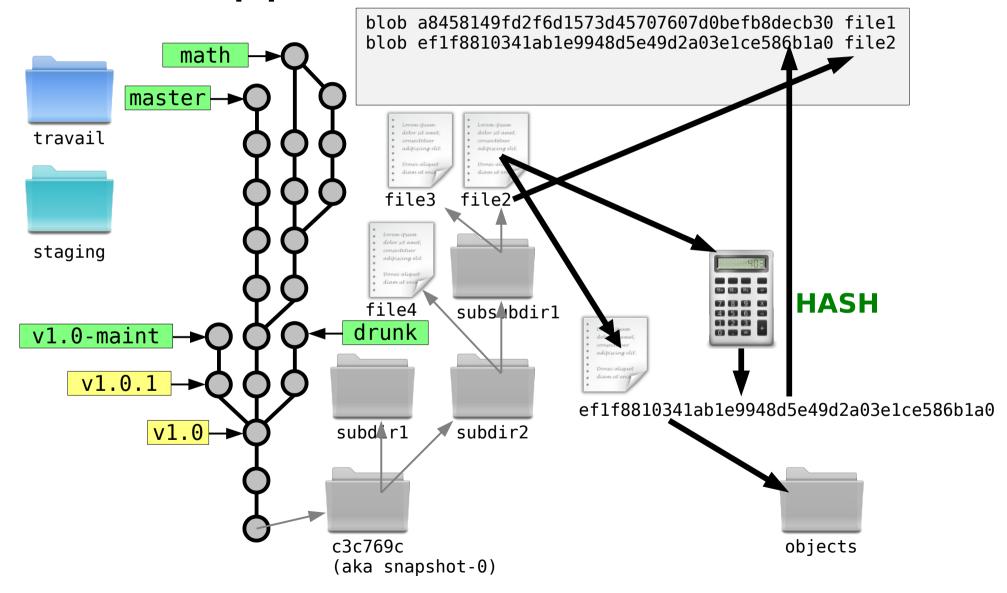


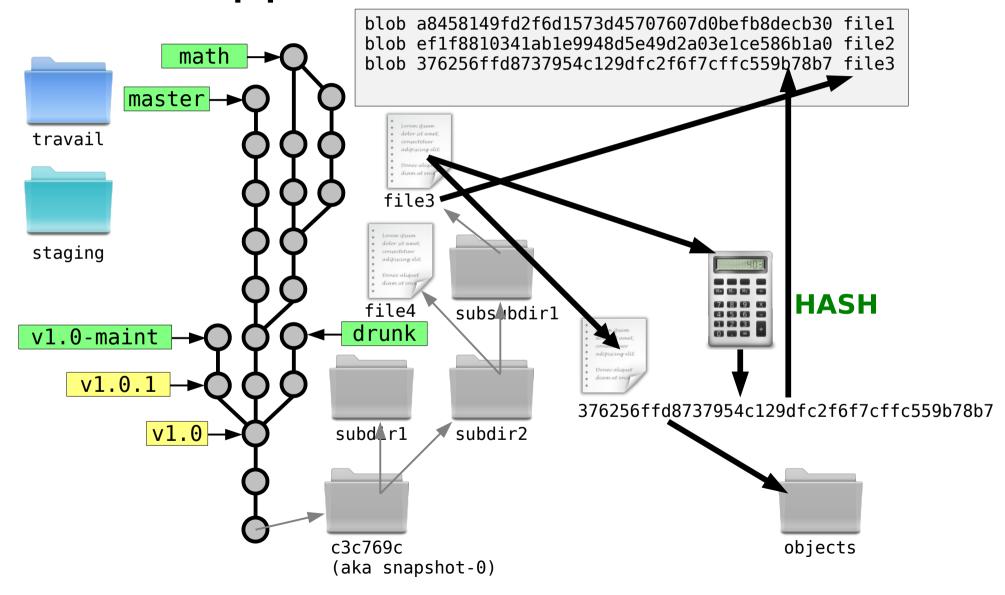


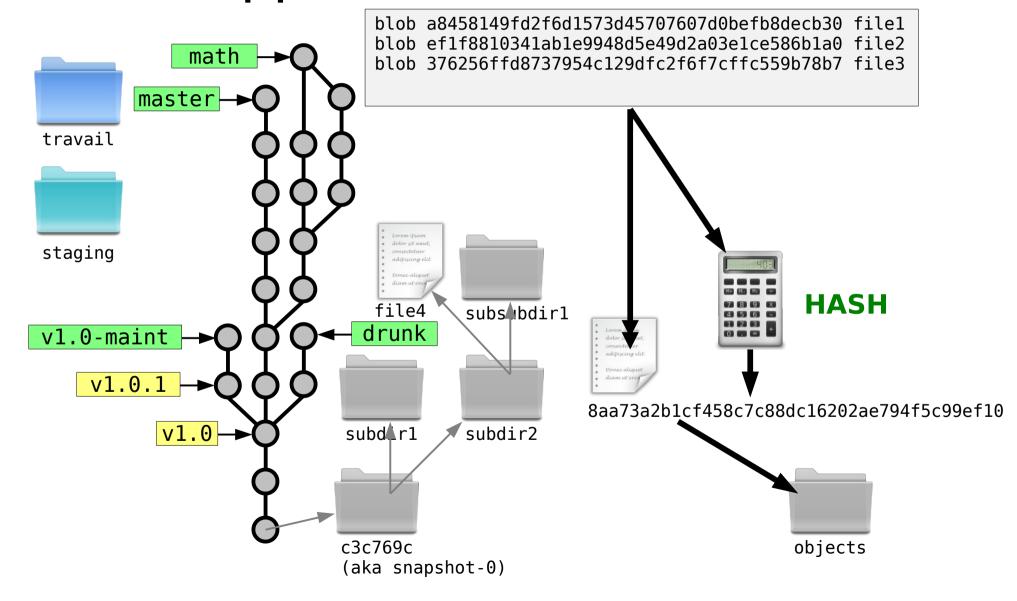


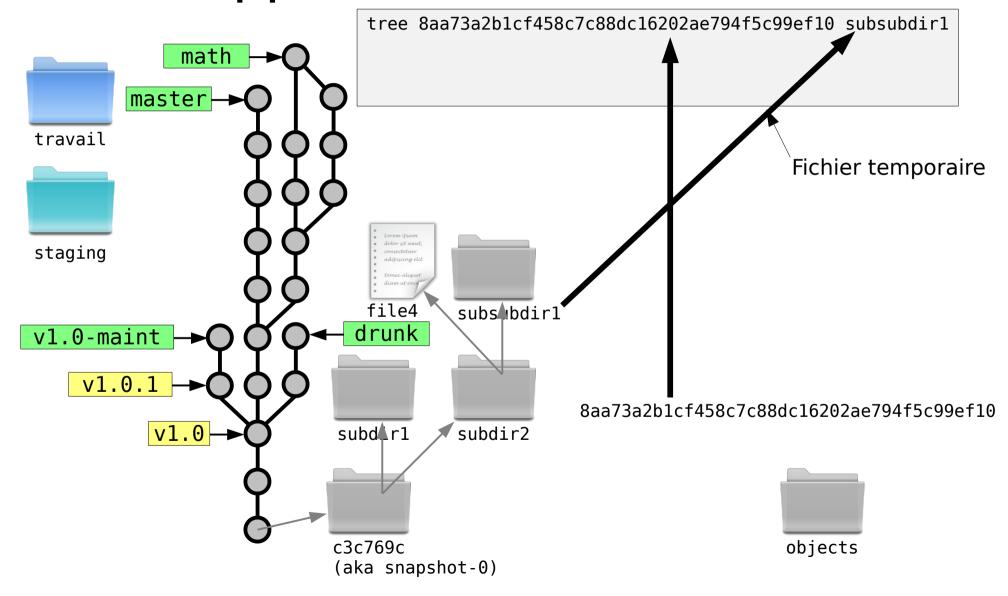


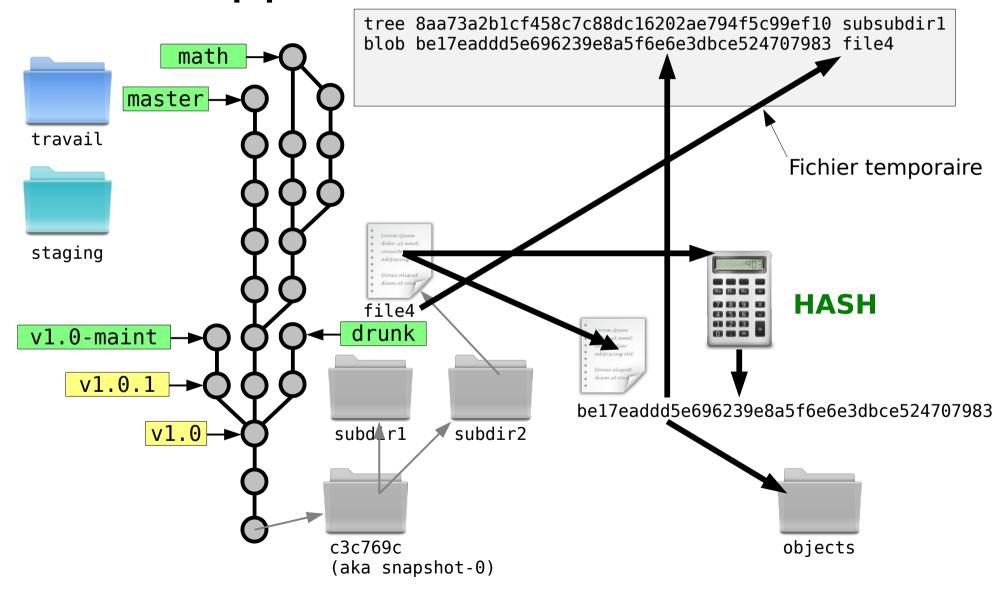


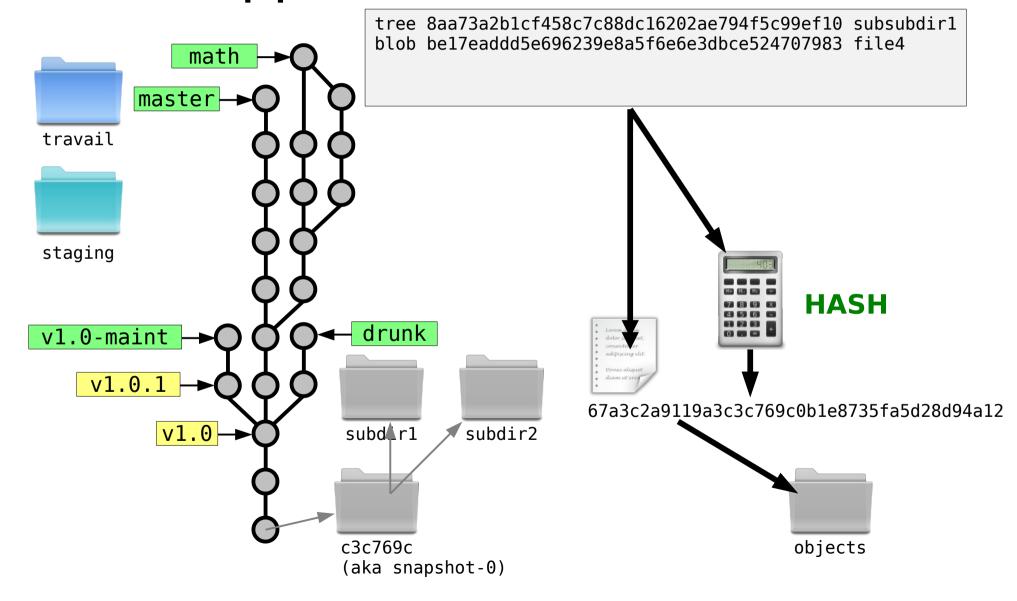


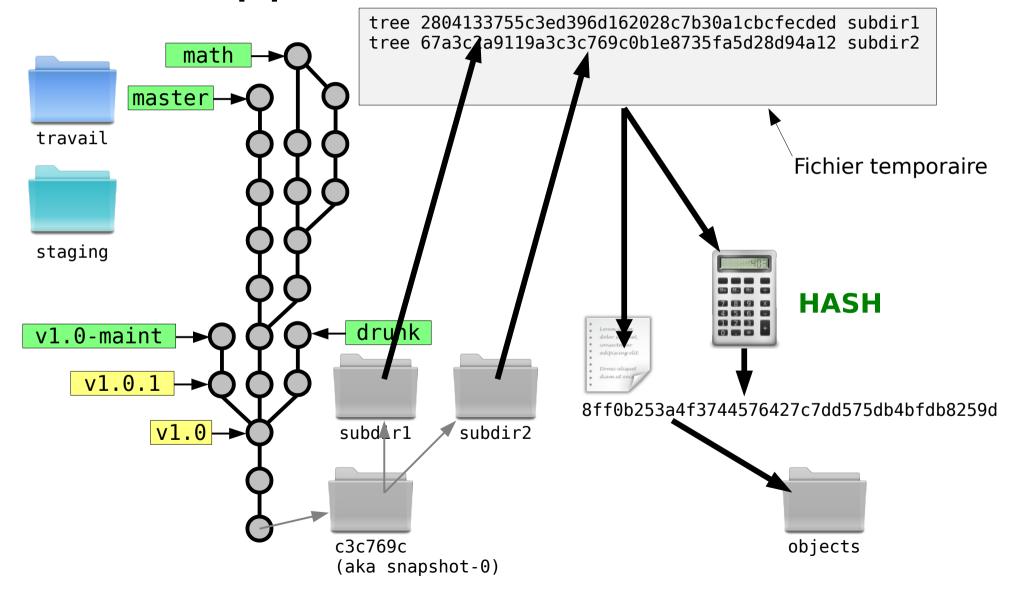


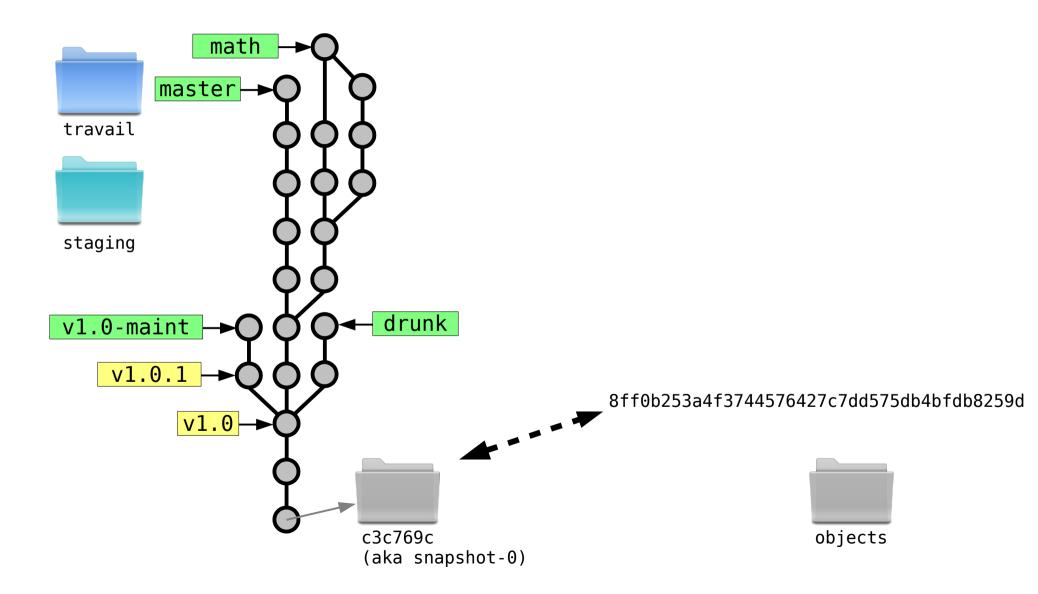


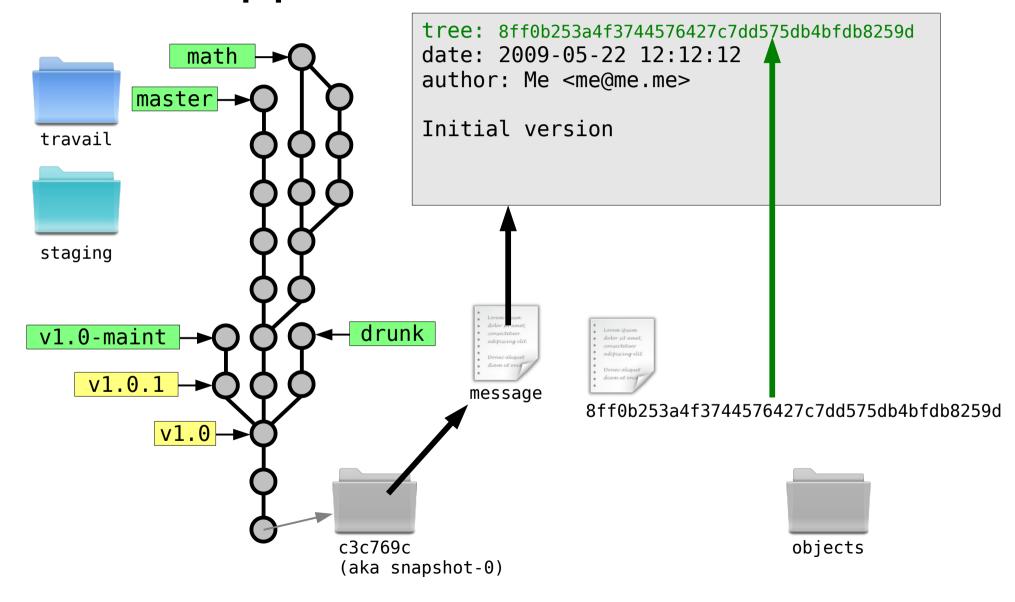


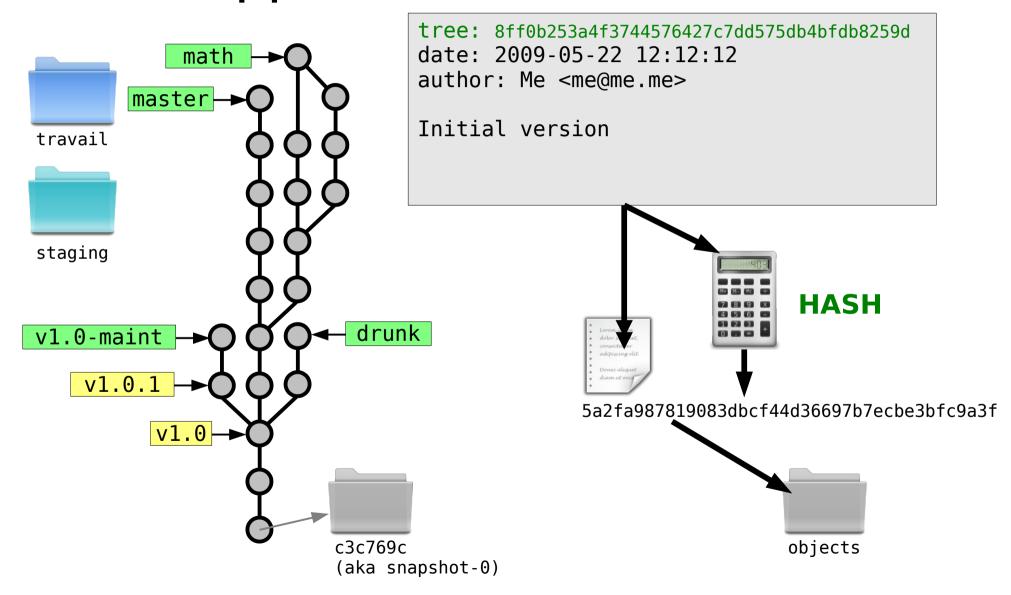


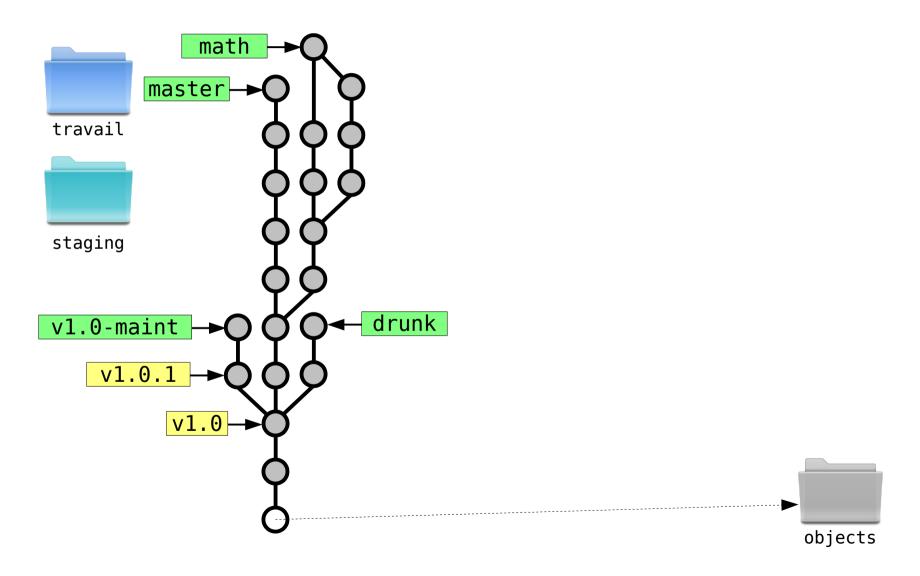


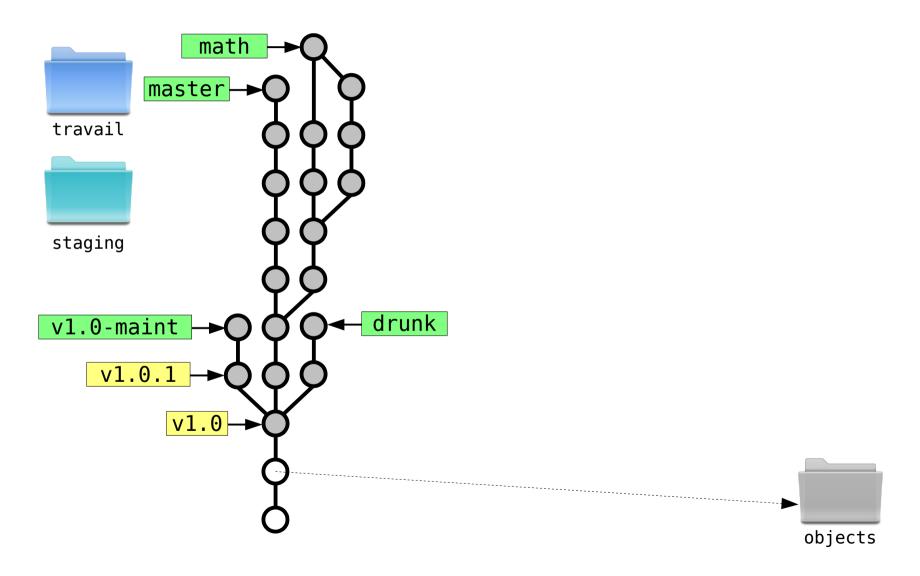


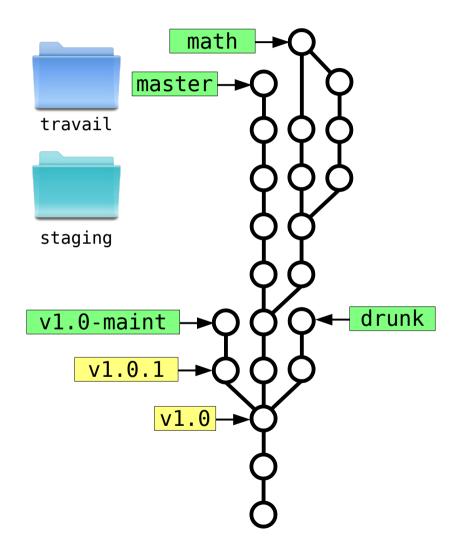






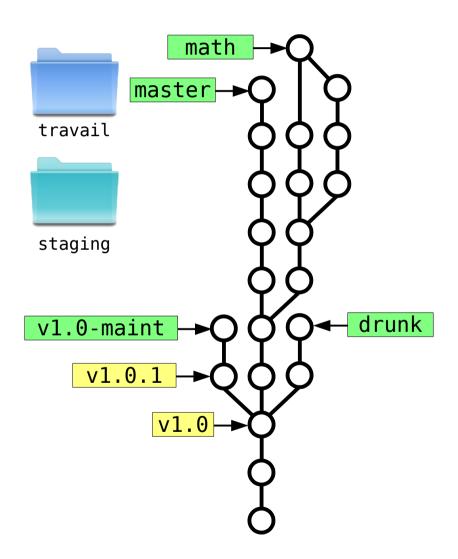


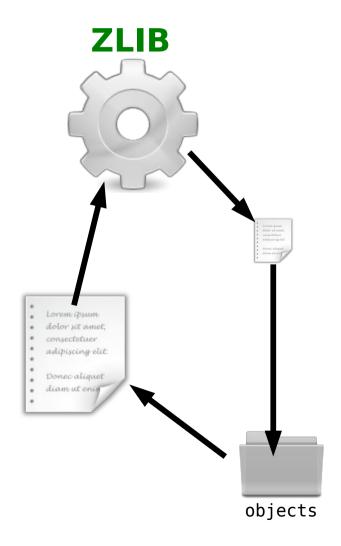




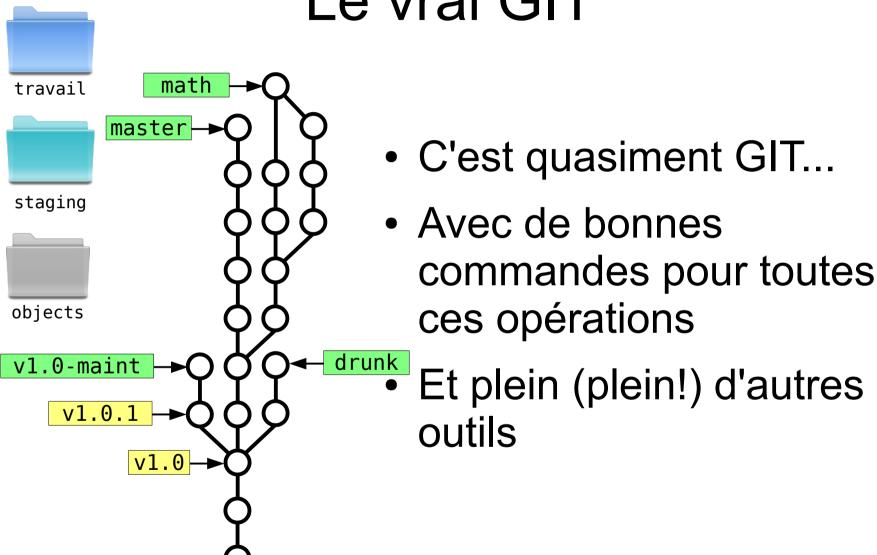


Compression des objets





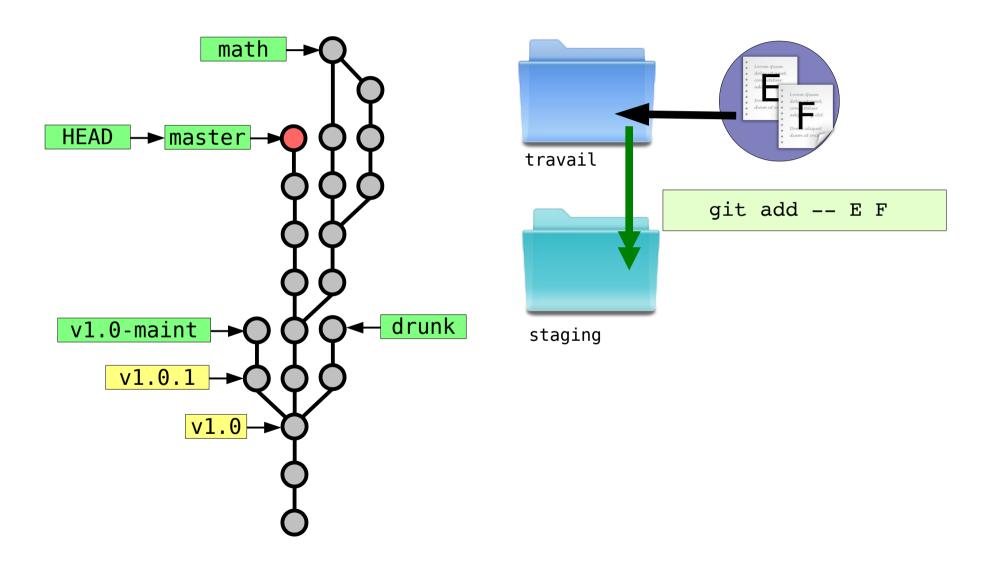
Le vrai GIT



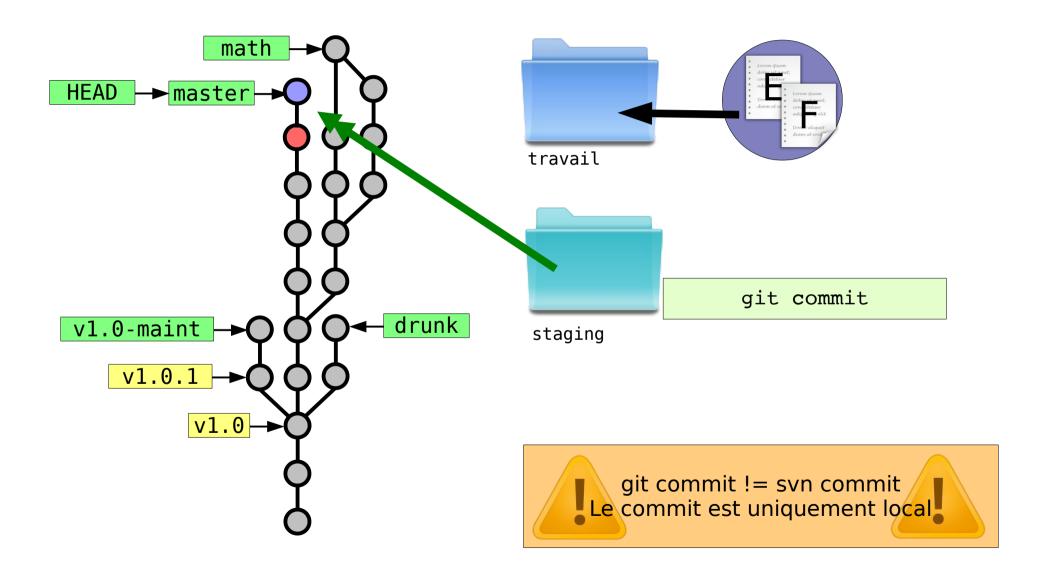
Commands: Configuration

- Premièrement, dire à GIT qui on est:
 - git config --global user.name "Mon nom"
 - git config --global user.email "mon@email.adresse"
- De l'aide:
 - git <command> -h
 - git help <command>
- Démarrer un nouveau repo:
 - git init
- Copier un repo:
 - git clone <url_repo>

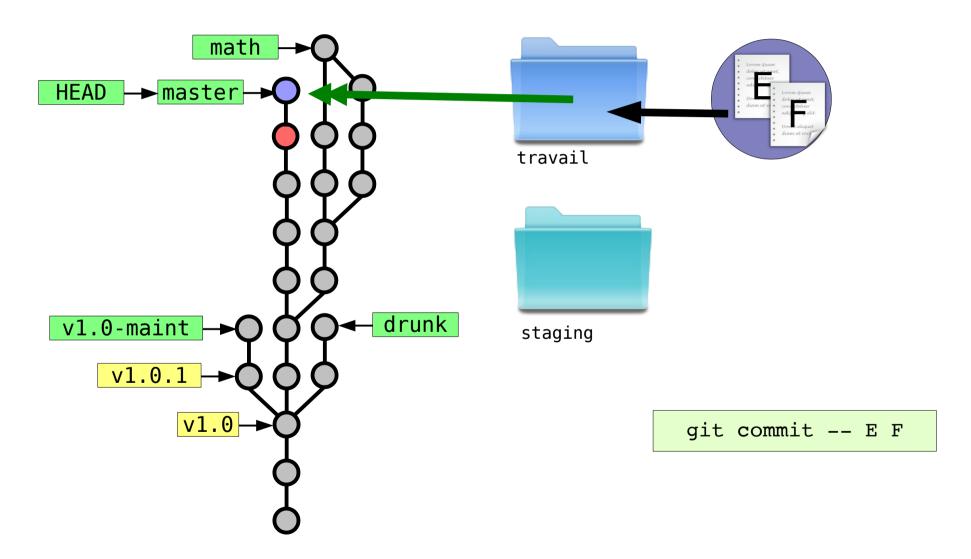
Commandes: add



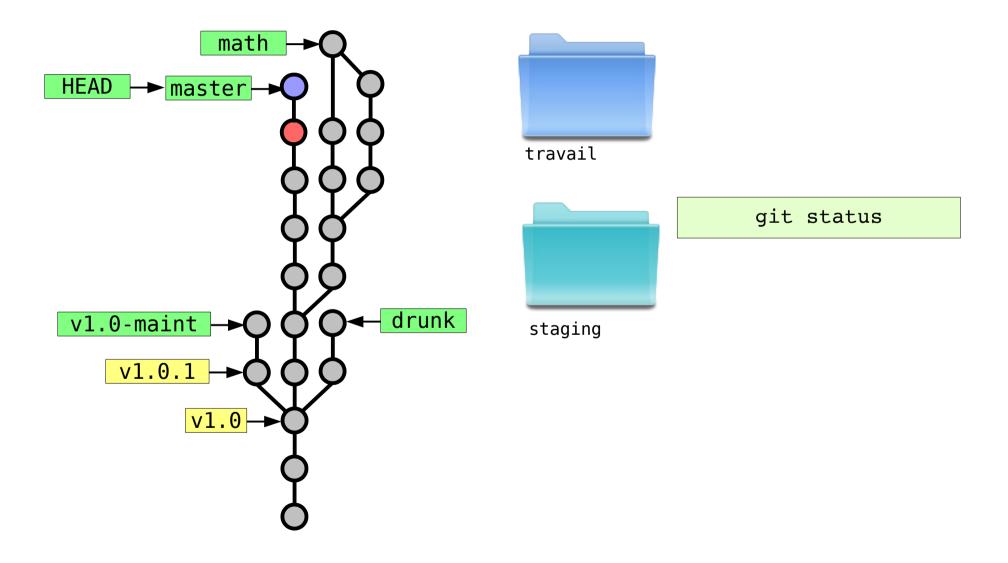
Commandes: commit



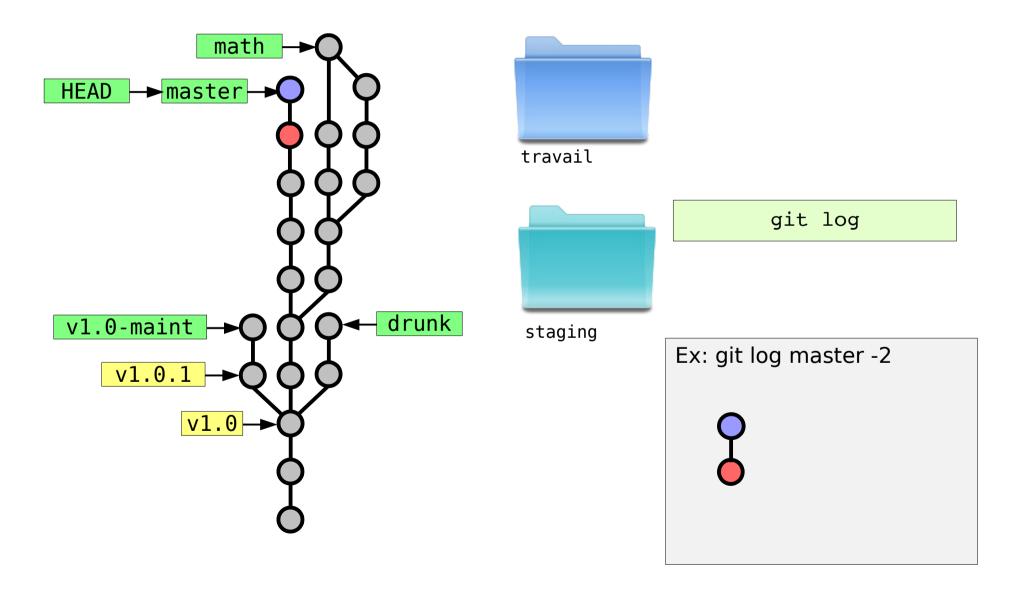
Commandes: Faire un Snapshot



Commandes: Etat du staging

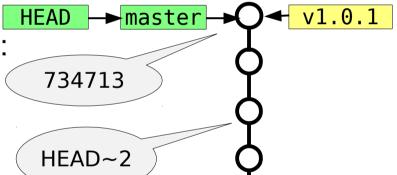


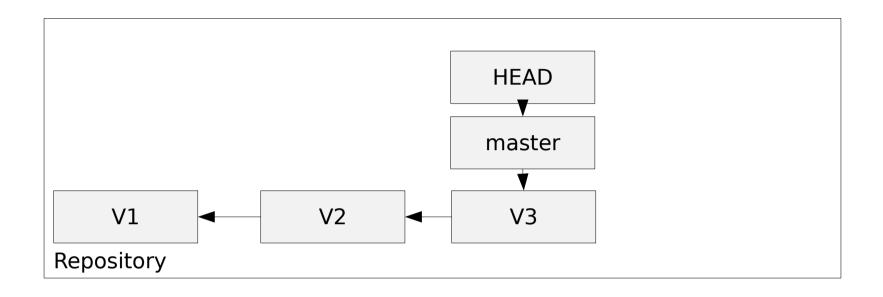
Commandes: historique



Commandes: Désigner un commit

- N° de commit: 734713bc047d87bf7eac9674765ae793478c50d3
- N° de commit court: 734713
- Le nom d'une branche qui pointe dessus: master
- Le nom d'un tag qui pointe dessus: v1.0.1
- Le commit du repertoire de travail: HEAD
- Un grand-parent de commit:
 HEAD^^ = HEAD^2 = 734713^2 = master^2 = v1.0.1^2

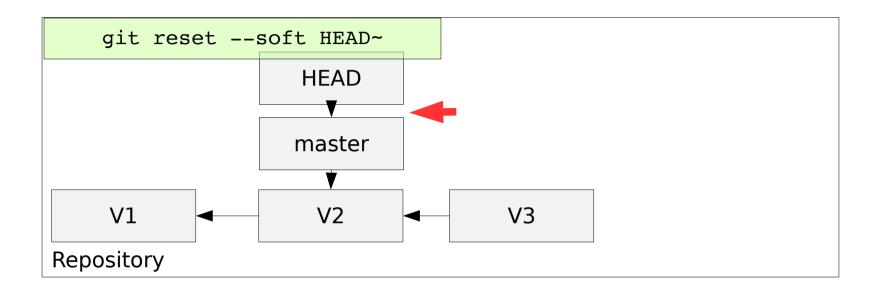


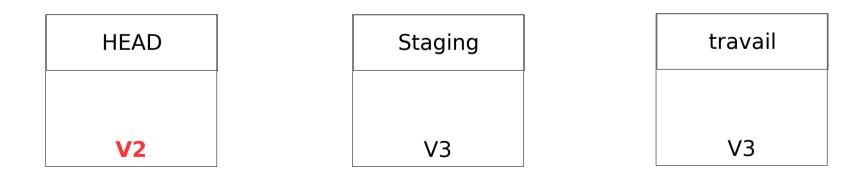


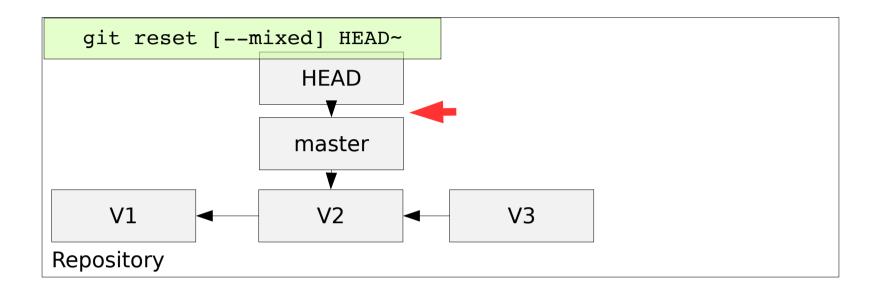
HEAD Staging

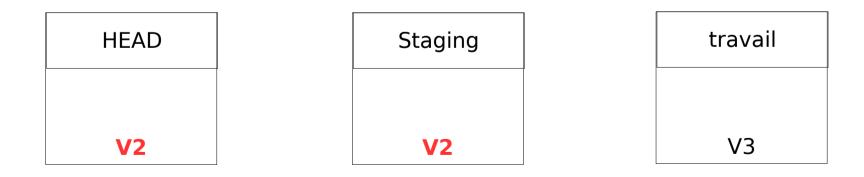
V3

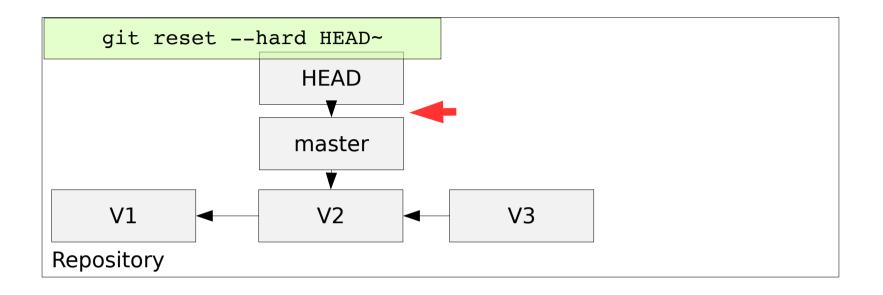


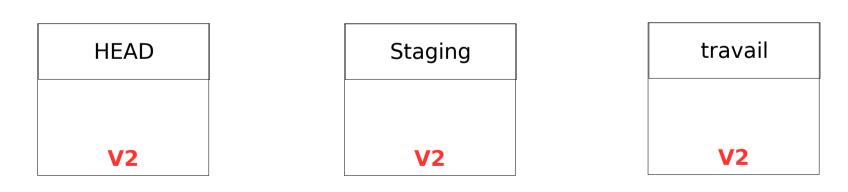




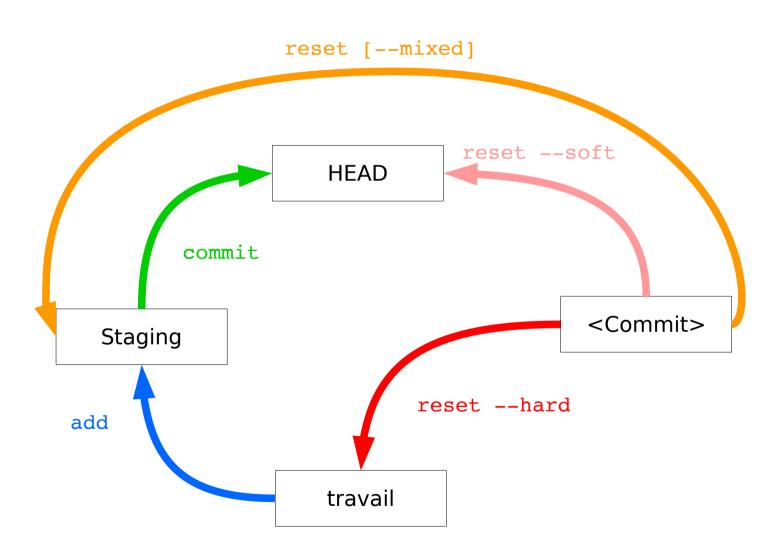








Commande: reset/add/commit



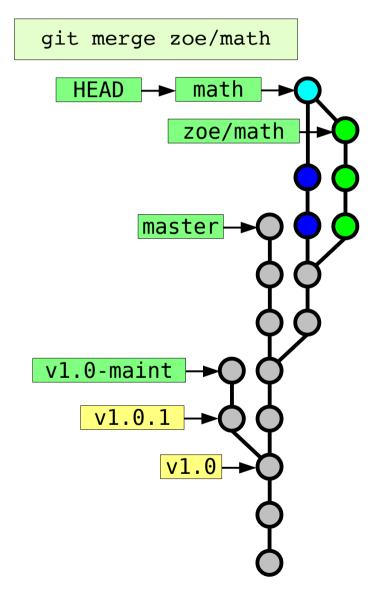
Commandes: diff

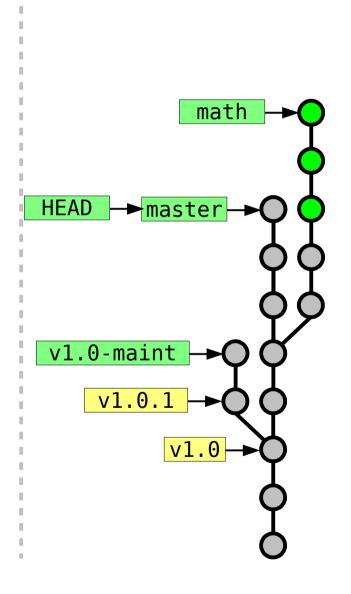


Commandes: Fetch

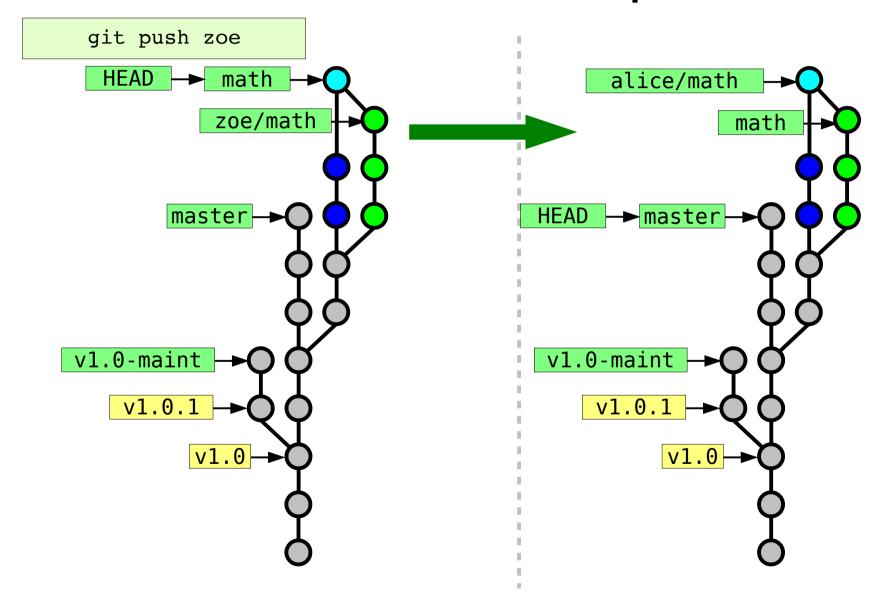
git fetch zoe zoe/math math math **HEAD** master **→** master HEAD v1.0-maint v1.0-maint v1.0.1 v1.0.1 v1.0 v1.0

Commandes: merge





Commandes: push



Commandes: Fetching & Merging

• git remote add <name> <URL>

```
• git fetch <name> git pul
```

• git merge <name>/<branch>

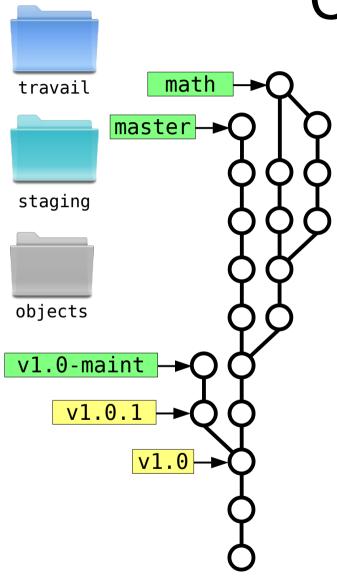
• git push <name> <brch_loc>:<brch_dist>

Commandes: Branches & Tags

```
git branch <branch>git checkout -b <branch>
```

- git tag -l
- git tag <tag>

Conclusion



- Garder cette histoire en tête
- Git est simple et très puissant

• Une dernière de chose:

git reflog

Ensuite?

- Git: http://git-scm.com
- Pro Git: http://git-scm.com/book
- Git Reference: http://gitref.org
- GitHub: http://github.com
- Gitorious: http://gitorious.org
- Gitlab: http://gitlab.com

Questions?

Merci pour votre attention!

Ces slides sont dispo:

https://github.com/Djabx/git_parable

