

Git

fichier.old.older.oldest.js

Un peu d'histoire

- Logiciel de gestion de version (vcs)
- Créé par Linus Torvalds en 2005
- Le plus utilisé (+12 millions d'utilisateurs)
- Permet :
 - La collaboration
 - L'audit du code
 - Le retour en arrière
 - La gestion de versions

Les alternatives

- SubVersion (SVN)
- Mercurial
- Bazaar
- ...

Comment ça marche ?

Initialiser Git

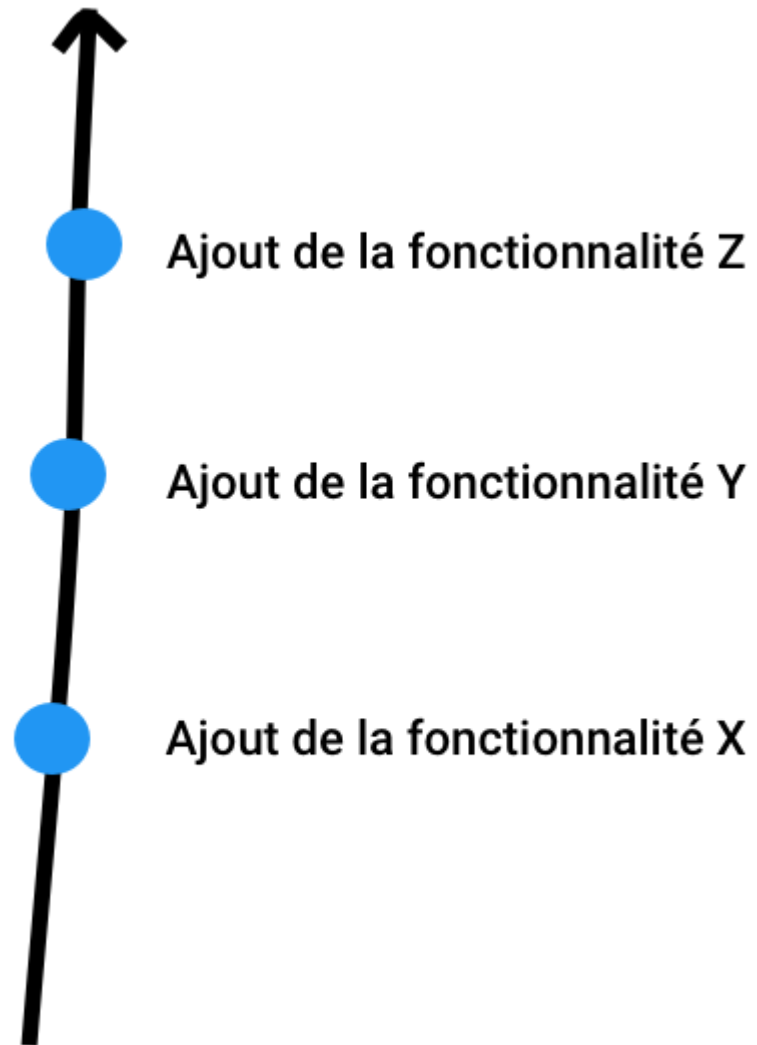
```
$ mkdir projet  
$ cd projet  
$ git init
```

Soumettre des modifications

```
$ echo 'console.log("Hello World")' > hello.js
$ git status
Untracked files:
  hello.js

$ git add hello.js
$ git status
Changes to be committed:
  new file:   hello.js

$ git commit -m "Création du fichier hello.js"
$ git status
nothing to commit, working tree clean
```

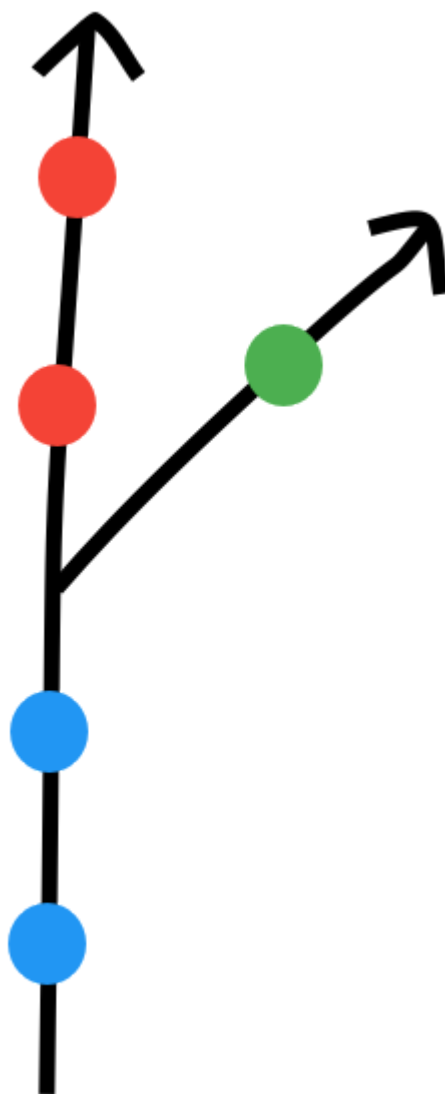


Afficher les modifications

```
$ echo 'console.log("Hello all")' >> hello.js  
$ git diff  
  console.log("Hello World")  
+console.log("Hello all")
```

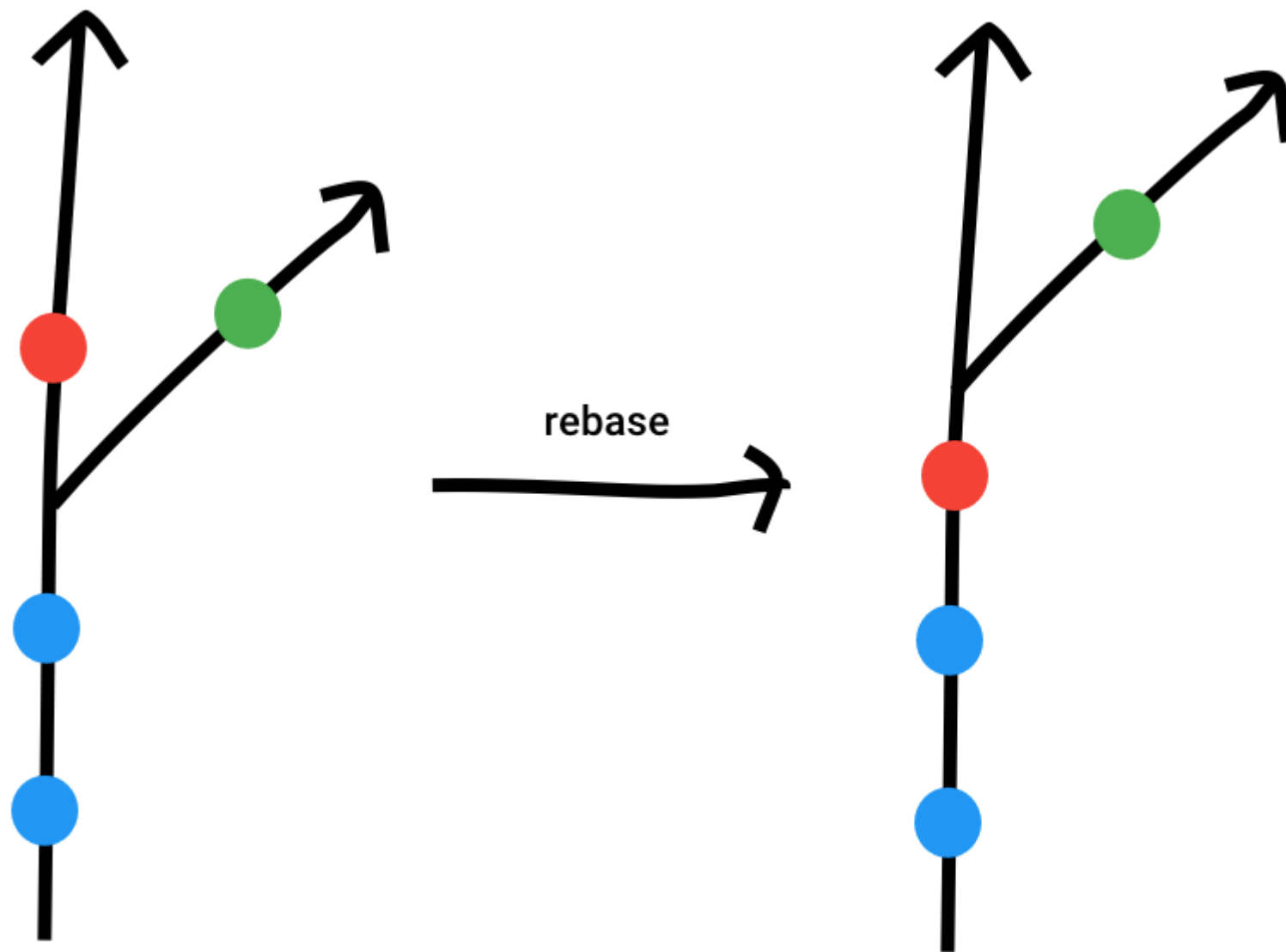

Créer une branche

```
$ git branch feature/ajouter-un-bouton
$ git branch
feature/ajouter-un-bouton
* master
$ git checkout feature/ajouter-un-bouton
Switched to branch 'feature/ajouter-un-bouton'
$ git branch
* feature/ajouter-un-bouton
master
```



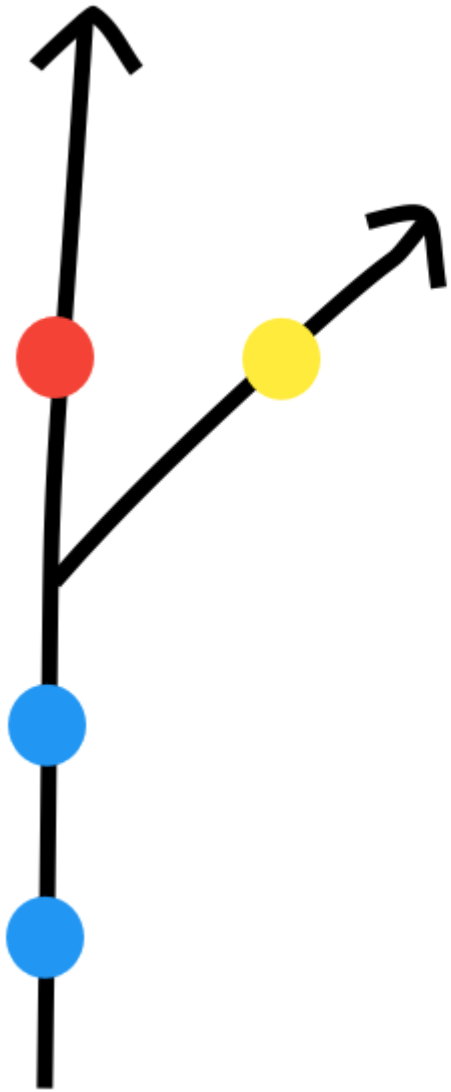
Mettre à jour une branche

```
$ git rebase master
```

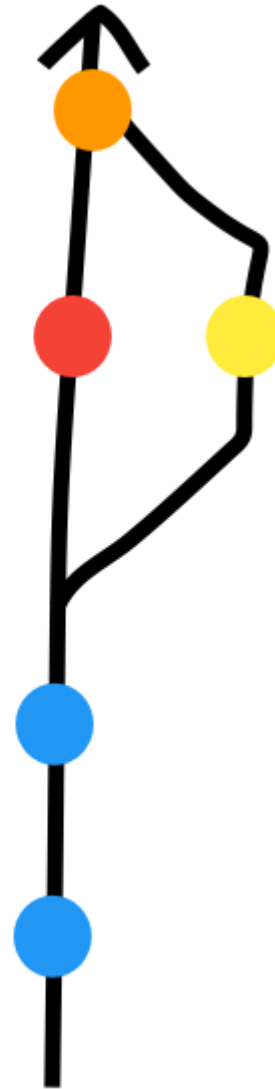


Fusionner deux branches

```
$ git checkout master  
$ git merge feature/ajouter-un-bouton
```



merge



Se synchroniser avec un dépôt distant

Récupérer un projet

```
$ git clone https://example.com/projet.git
```

Récupérer les modifications

```
$ git pull origin master
```

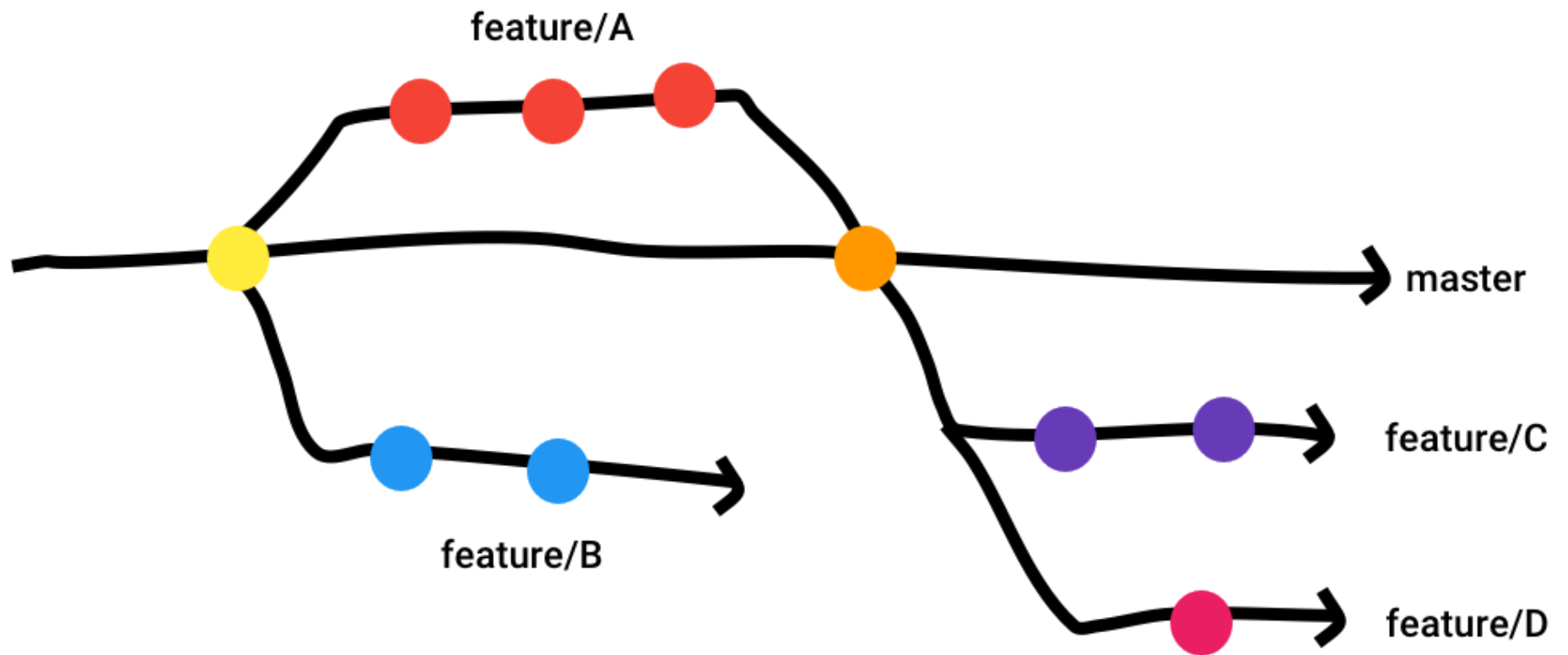
Envoyer ses modifications

```
$ git push origin master
```

Où héberger son dépôt

- Github
- **Gitlab**
- Bitbucket
- ...

Git dans la vraie vie



Les merge requests

Open 1 Merged 112 Closed 0 All 113

Edit merge requests

New merge request



Search or filter results...

Last updated



Feature/workspace

!113 · opened 1 day ago by [redacted]

MERGED 0

updated 1 day ago

Feature/stoplight

!112 · opened 3 days ago by [redacted]

MERGED 0

updated 3 days ago

Feature/er lib

!111 · opened 3 days ago by [redacted]

MERGED 0

updated 3 days ago

add fetch from ros

!110 · opened 3 days ago by [redacted]

MERGED 0

updated 3 days ago

Feature/flows

!109 · opened 3 days ago by [redacted]

MERGED 0

updated 3 days ago