Let's Git Ready

Programando like a pro

Luis Emilio Velasco

Ingeniero de Software

Profesor Asociado @ Universidad de Oviedo

velascoluis@uniovi.es

@emibloque

https://emibloque.me



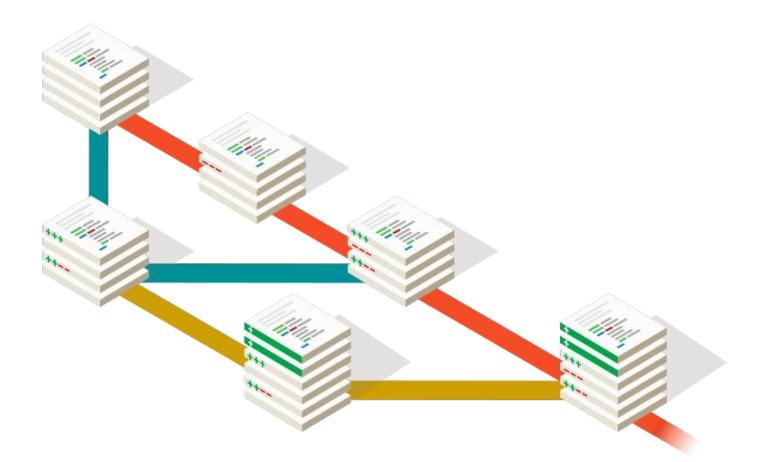
Resumen rápido

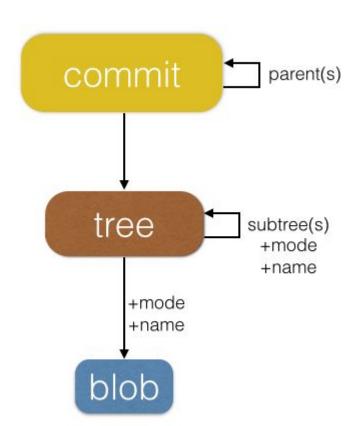
Taller de Git básico:

https://www.youtube.com/watch?v=IjpKcGDCwSE

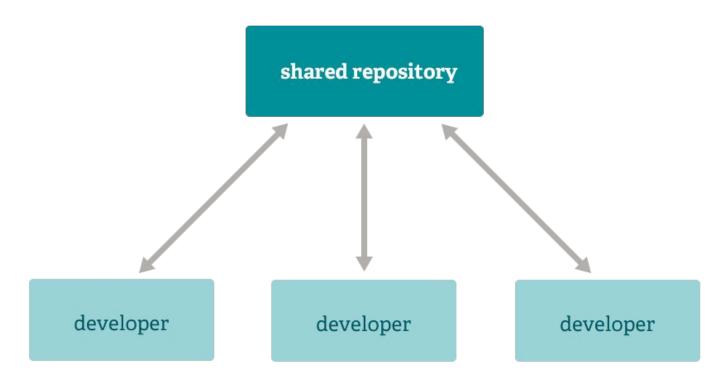
Taller de Git avanzado:

https://www.youtube.com/watch?v=Pfz6Av7AOaw

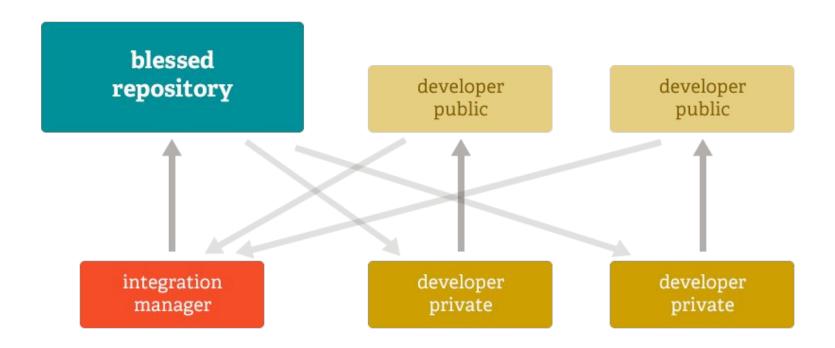




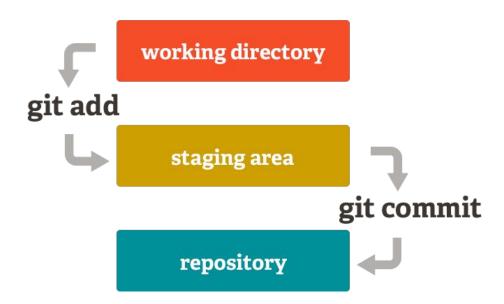
Subversion-Style Workflow



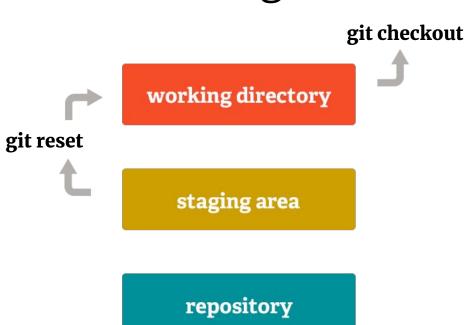
Integration Manager Workflow



Stages

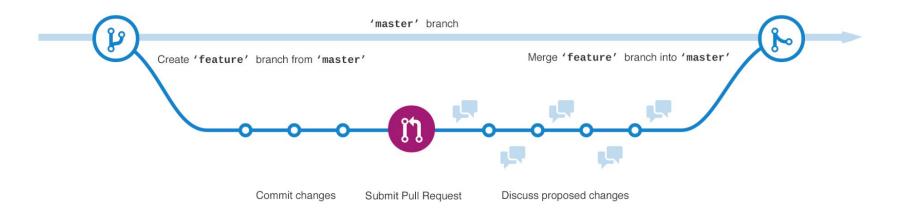


Stages



Trabajo 1 persona

GitHub Flow

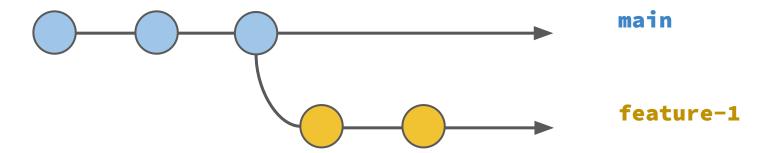


https://docs.github.com/en/get-started/quickstart/github-flow

Conventional Commits

Merge

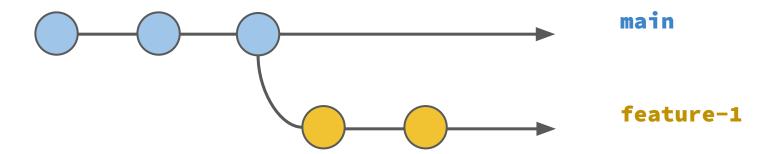
Merge



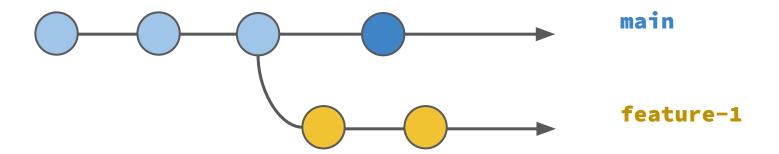
Merge Fast-Forward



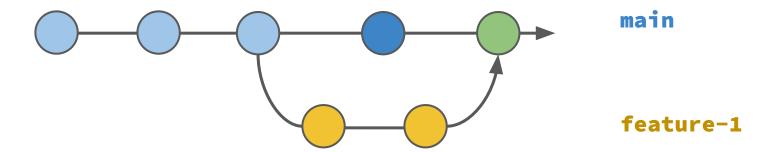
Merge *normal*



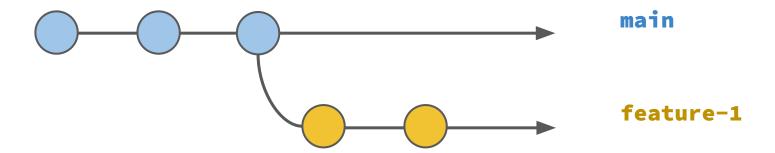
Merge *normal*



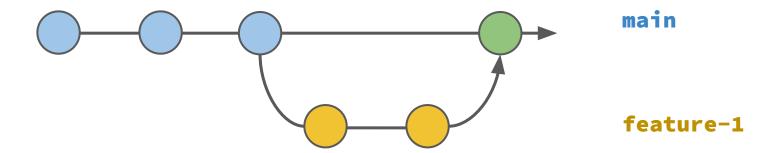
Merge *normal*

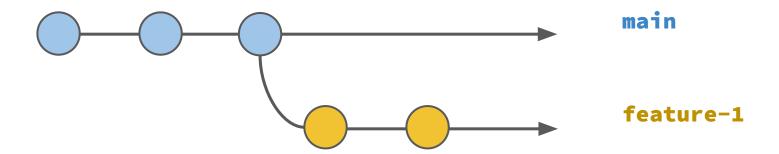


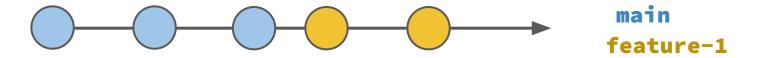
Merge --no-ff

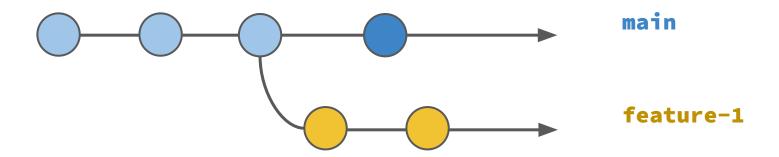


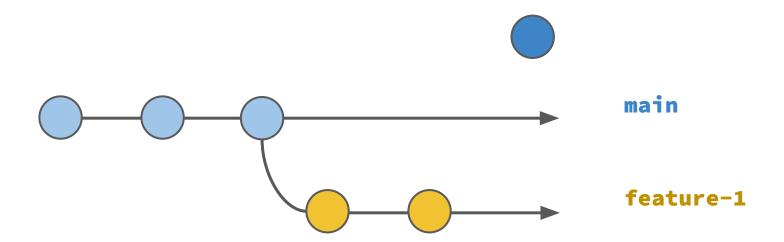
Merge --no-ff

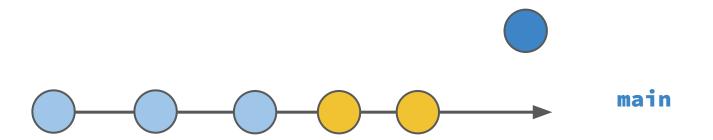








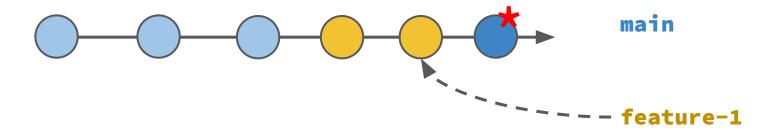




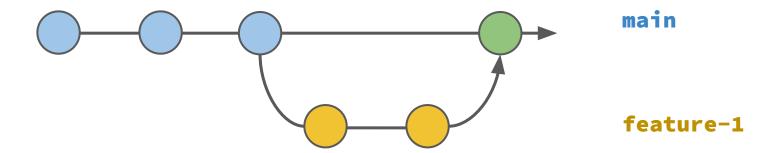
feature-1



feature-1

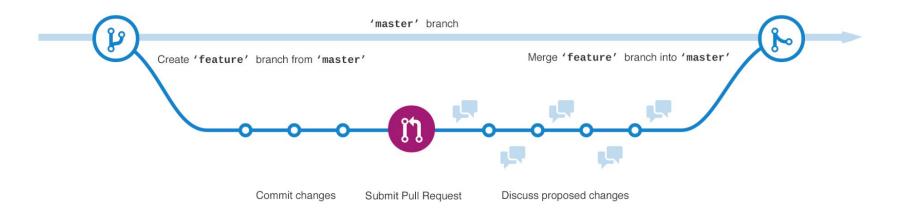


Merge --no-ff



Trabajo en grupo

GitHub Flow



https://docs.github.com/en/get-started/quickstart/github-flow

git reset origin/master --hard

Repo común <u>Origin</u>

```
git pull master
git checkout -b feature-1
git commit ...
git checkout master
git merge feature-1
```

Repo local alumno 1

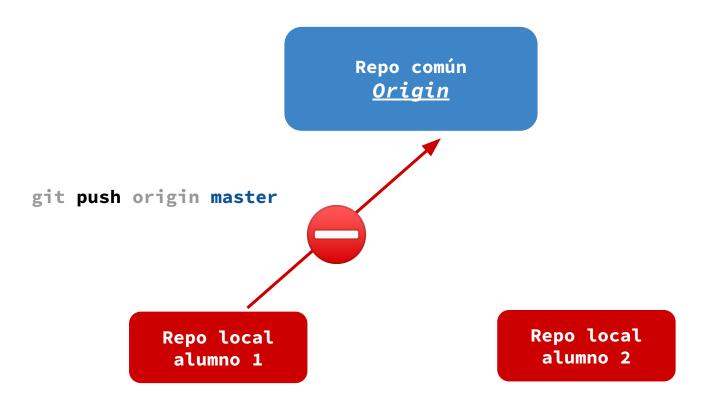
Repo local alumno 2



git push origin master

Repo local alumno 1

Repo local alumno 2



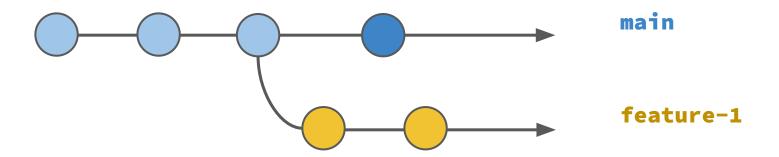
Repo común <u>Origin</u>

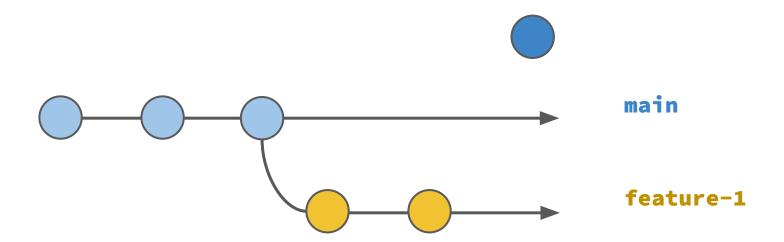
```
git fetch
git reset origin/master --hard
git merge feature-1
git push origin master

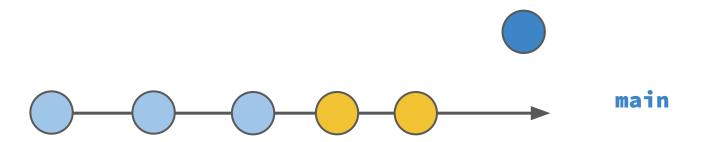
Repo local
alumno 1
```

Repo local alumno 2

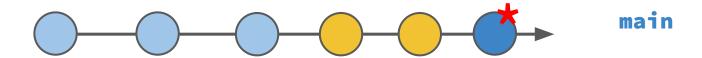
git rebase master





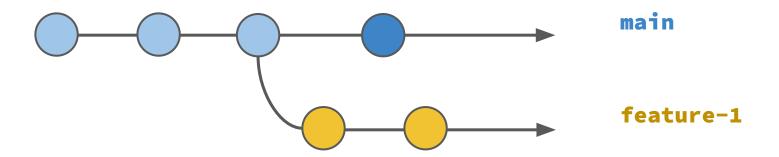


feature-1

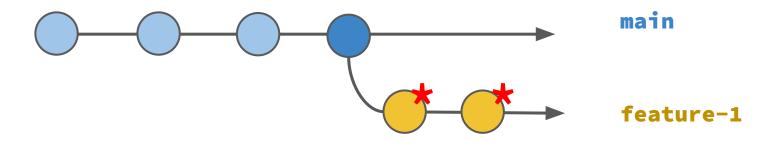


feature-1

git rebase master



git rebase main



git rebase main

Repo común <u>Origin</u>

```
git fetch
git reset origin/master --hard
git checkout feature-1
git rebase master

Repo local
alumno 1
```

Repo local alumno 2



Repo local alumno 1

Repo local alumno 2

Workflow en empresas

GitHub VS (.)

Gists

GitHub/GitLab Pages

GitHub Actions GitLab Pipelines

Git Hooks

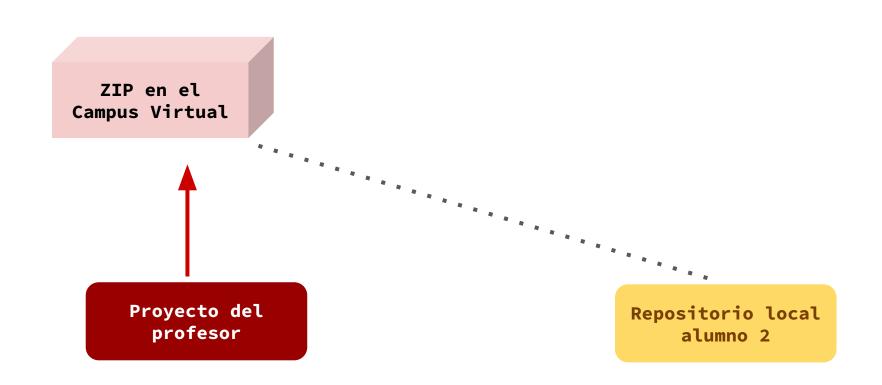


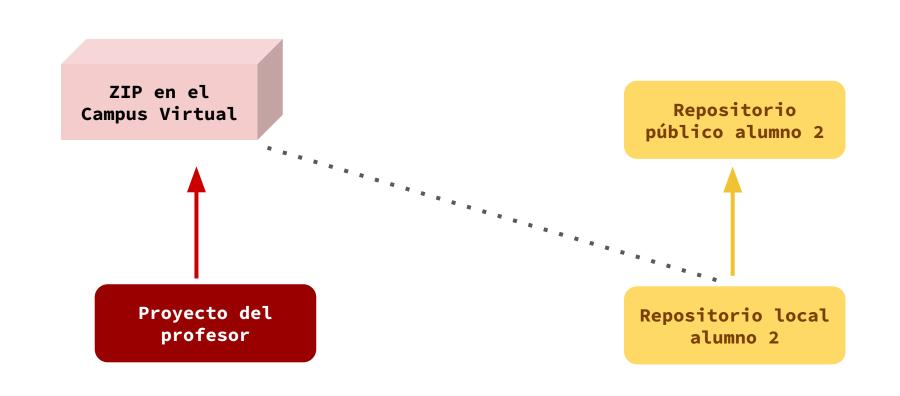
Ideas para profesores

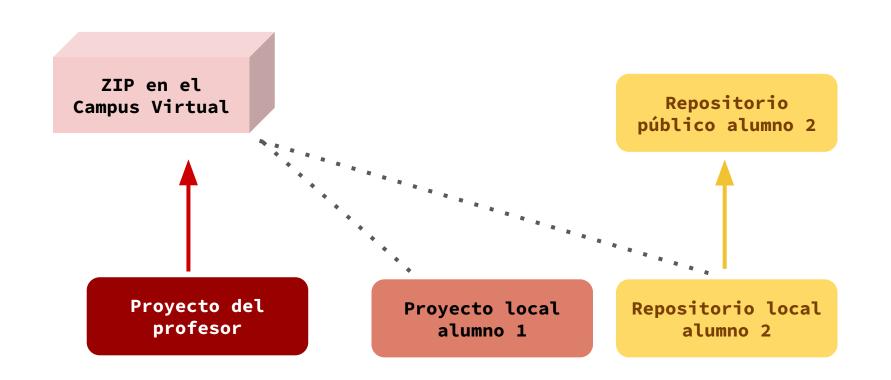
Proyecto del profesor







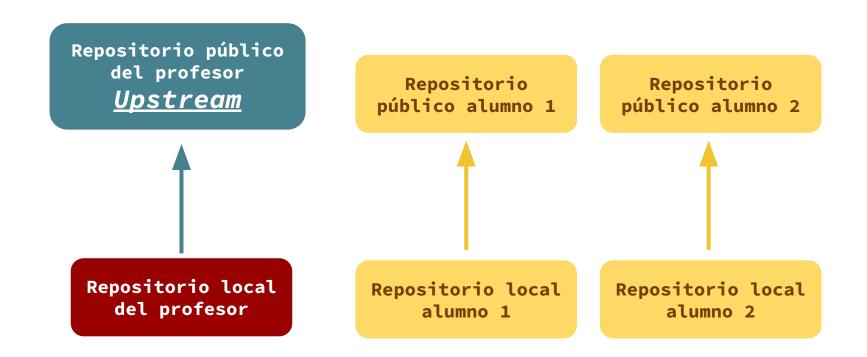


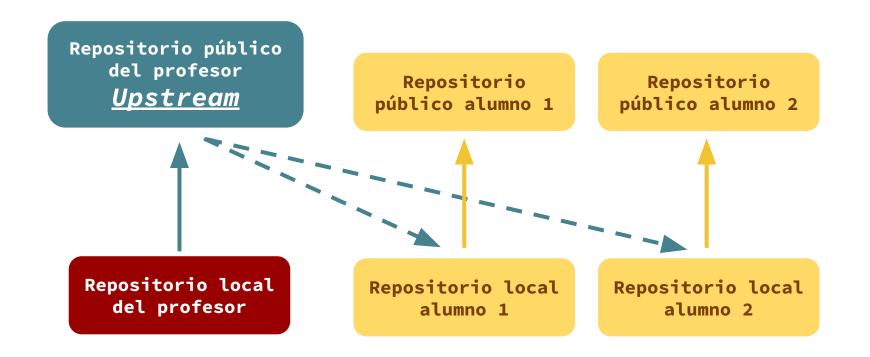


Repositorio local del profesor

Repositorio público del profesor <u>Upstream</u>

Repositorio local del profesor





Integration Manager Workflow

