git

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The Rise and Fall of Version Control and the Spider from Mars

why git

- EXTRINSIC: we have been told so
- INTRINSIC: collaboration, what did I do

why git

- EXTRINSIC: we have been told so
- INTRINSIC: collaboration, what did I do
- git won the version control war, probably
- git is complicated

usual git workflow

- `git add FILE1 FILE2`
- `git commit -m "COMMIT MSG"`
- `git push -u origin master`

usual git workflow

- git add FILE1 FILE2 Select this files
- git commit -m "COMMIT MSG"
- git push -u origin master

usual git workflow

- git add FILE1 FILE2
- git commit -m "COMMIT MSG"   Make checkpoint
- git push -u origin master

usual git workflow

- git add FILE1 FILE2
- git commit -m "COMMIT MSG"
- git push -u origin master Sync changes

let's make a repository

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Go to github and create repository

basic initialization boilerplate

```
...or create a new repository on the command line

echo "# sssssss" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin git@github.com:carrascomj/sssssss.git
git push -u origin main
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but what is a remote?

Local

commit   commit   commit

but what is a remote?

URL
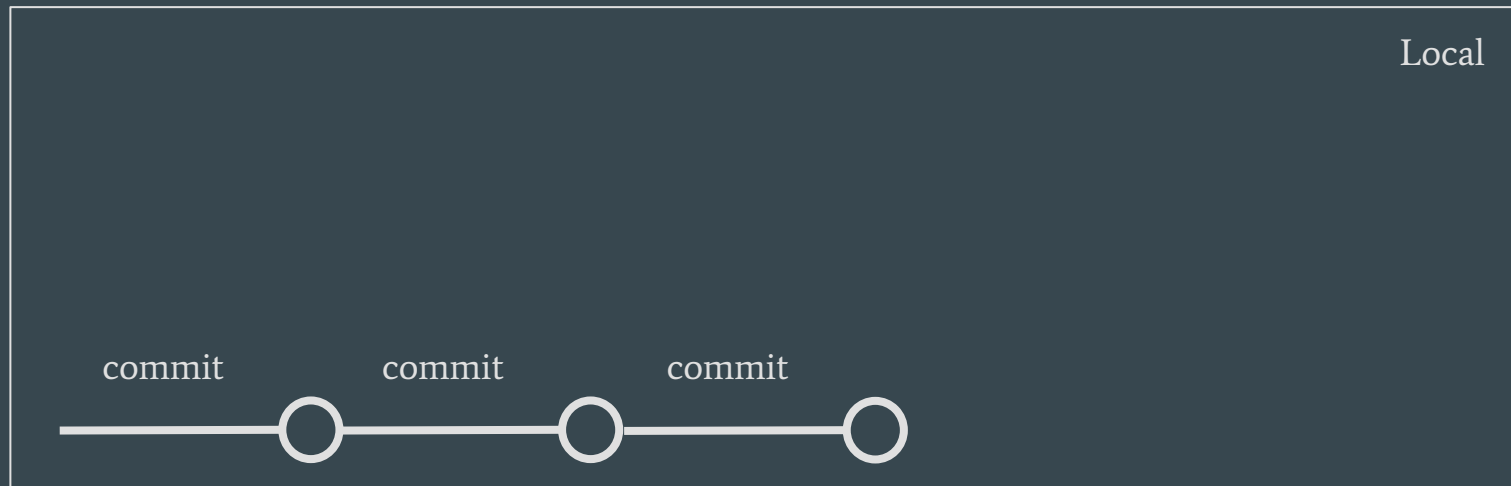
Remote address

git remote add origin URL

Local

but what is a remote?
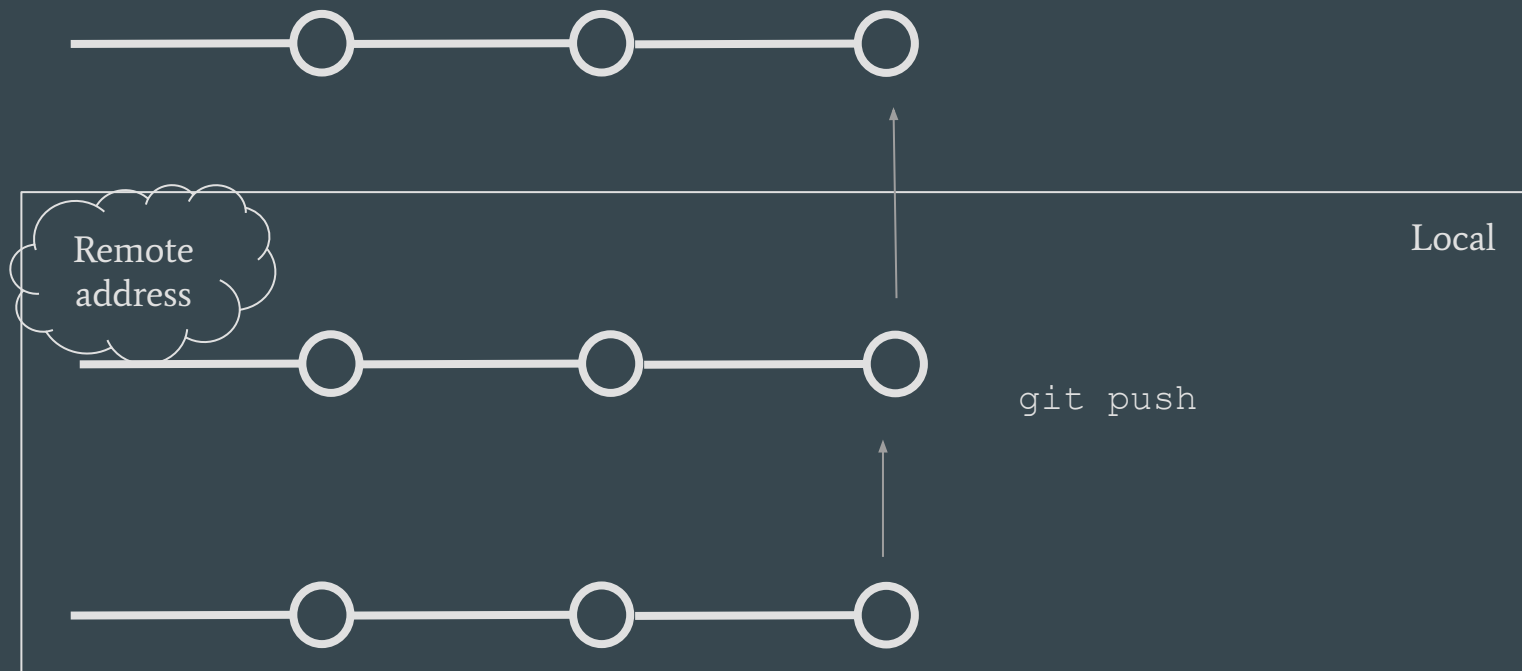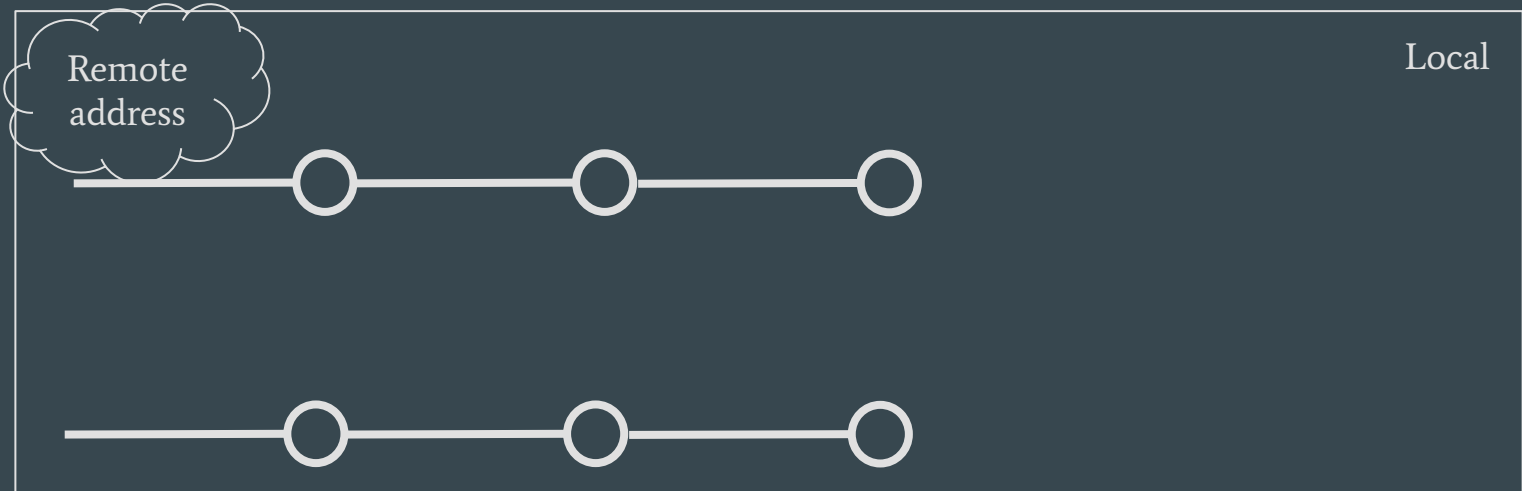
URL

Remote address

Local

git push

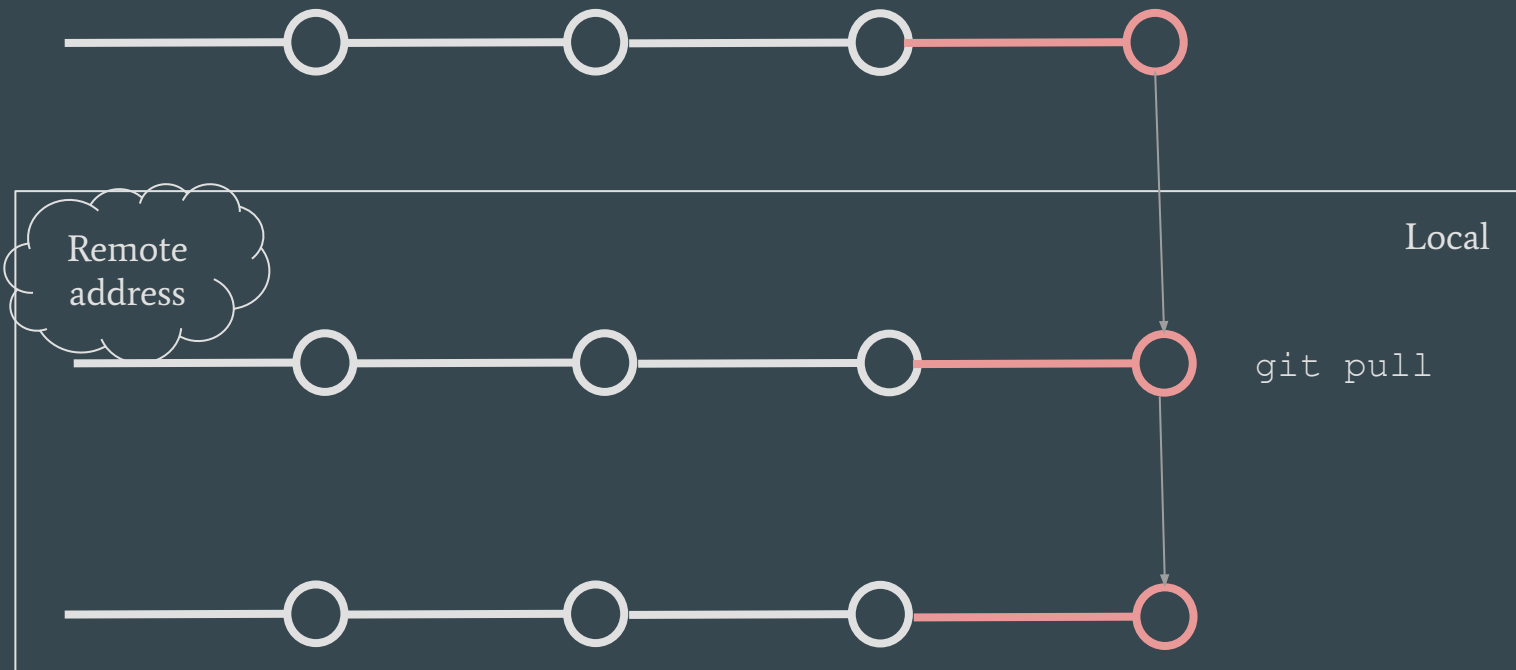# but what is a remote?

URL

Remote address

Local

but what is a remote?

URL

Remote address

git fetch

Local

but what is a remote?

URL

Remote address

Local

git pull

diff

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the open-source cycle

upstream/repository@main → user/repository@main

git checkout -b "feat-branch"

user/repository@feat-branch

PULL REQUEST
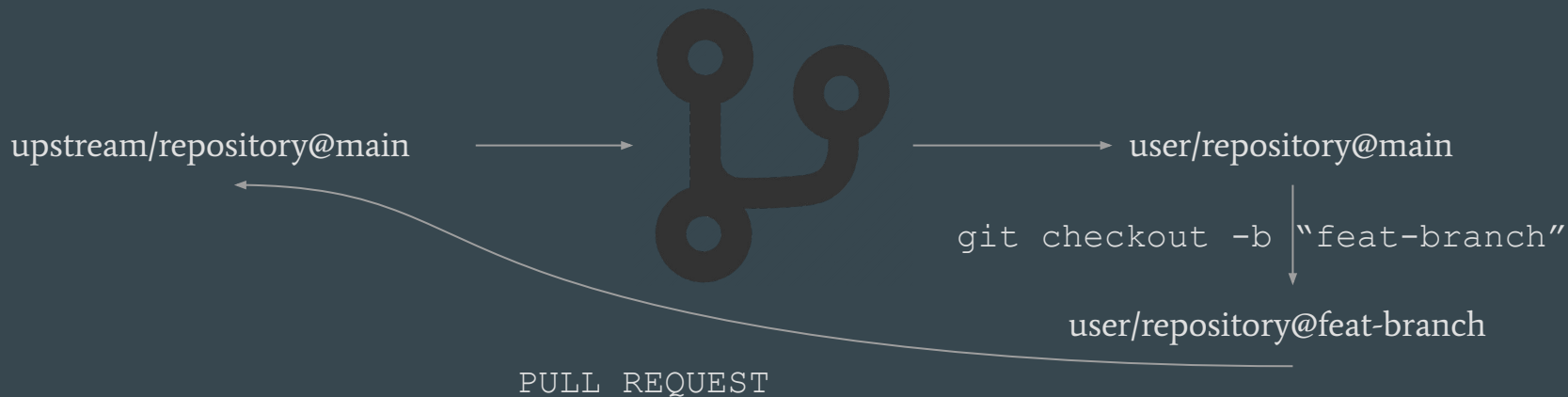
advanced git

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...for time travellers!

useful and advanced git things

- git commit –amend –no-edit && git push -f
- Time travelling
- git rebase -i

git worktrees

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git worktree add feat-branch