

git

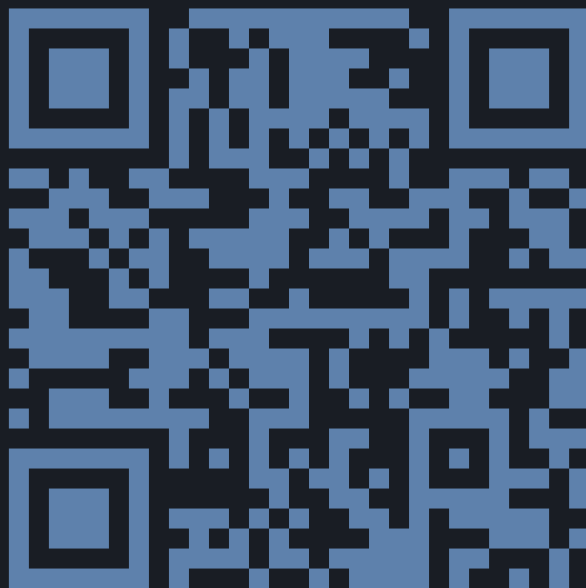
pacman

for the haecksen

EUPLv1.2



slides



<https://haecksen.runjak.codes/events/haecksathon-2/>

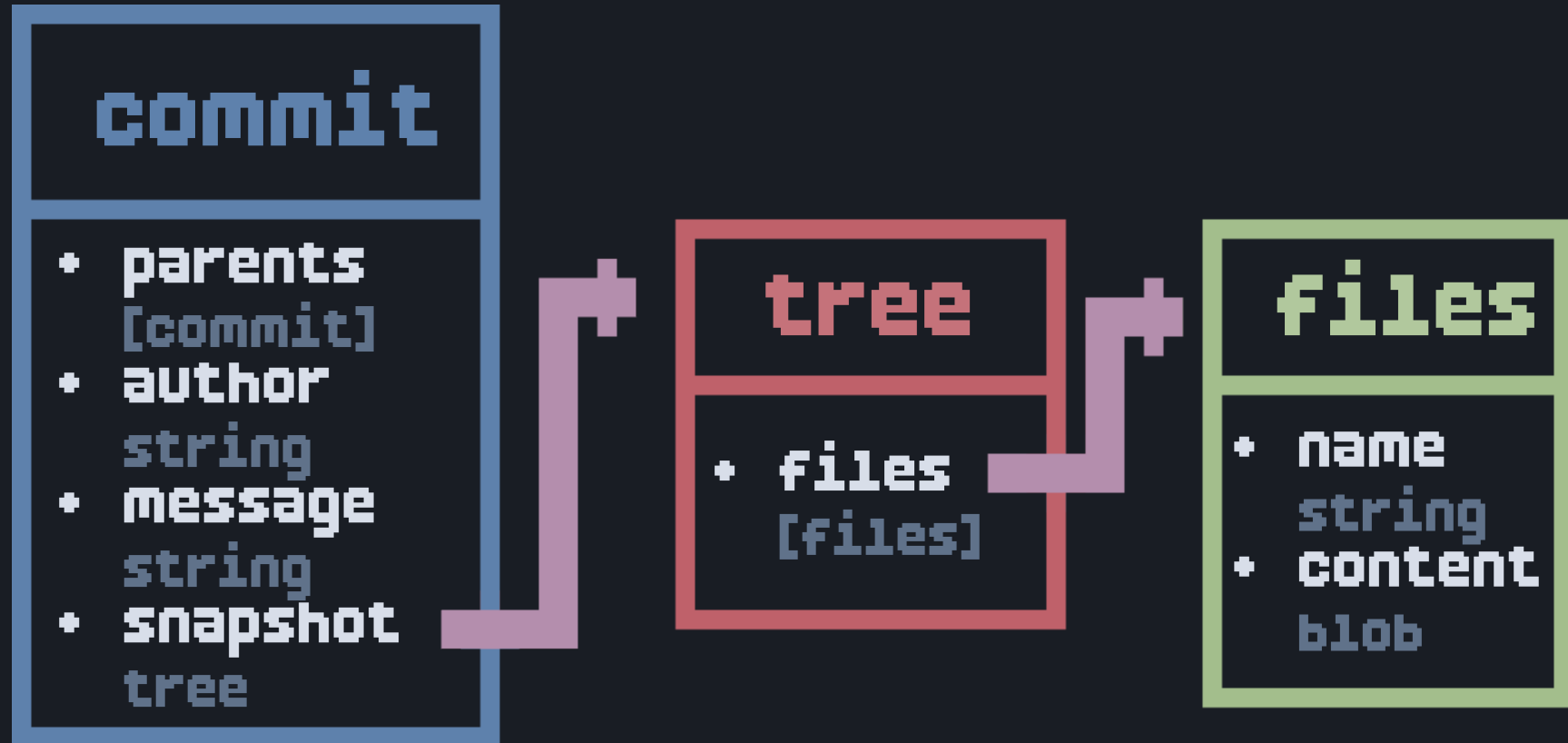
why use a VCS?

- who wrote this?
- when was this written?
- is a framework for collaborative work
- allows for easy rollbacks to previous states
- added context/reasoning

data model

- files get stored as binary blobs
- the state is then stored as a tree of these blobs
- '.git' directory
- every operation modifies this state

commit



history

a commit

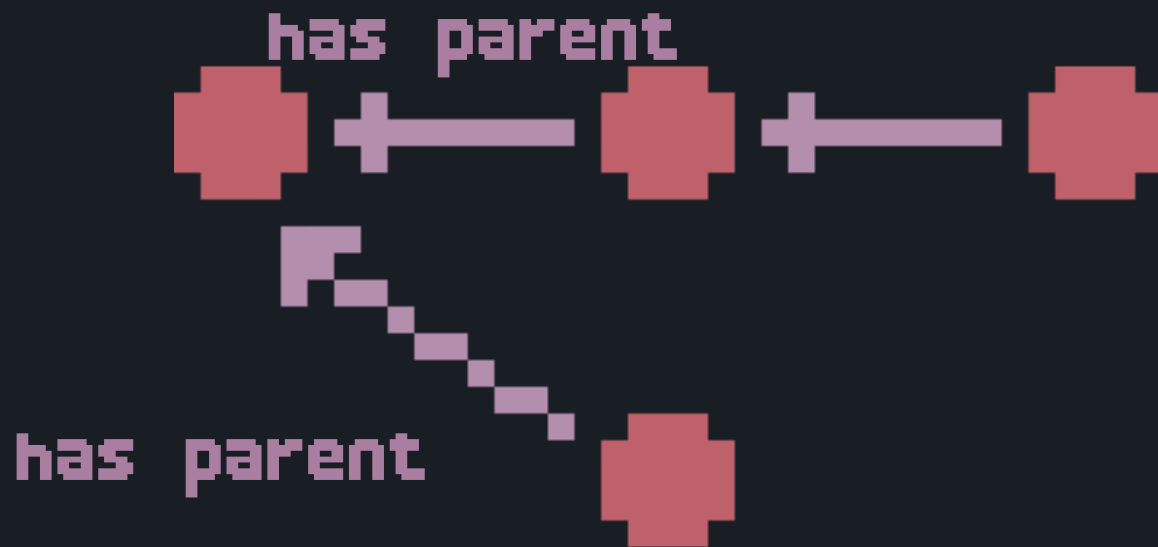


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history



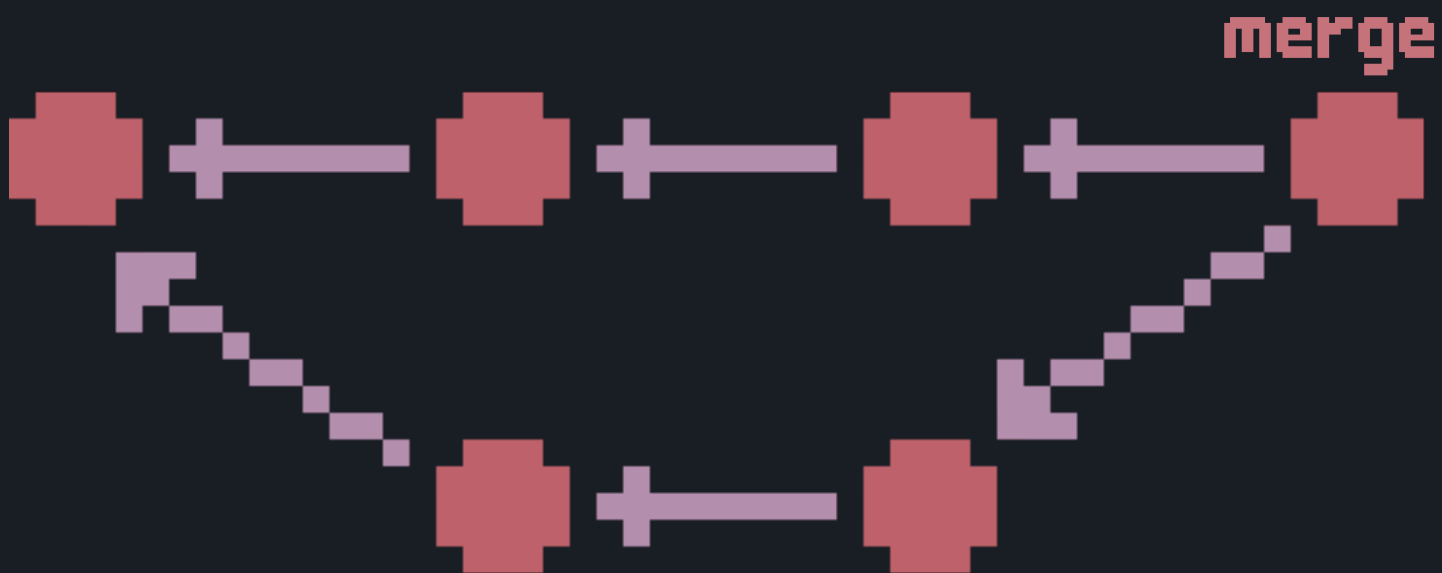
history



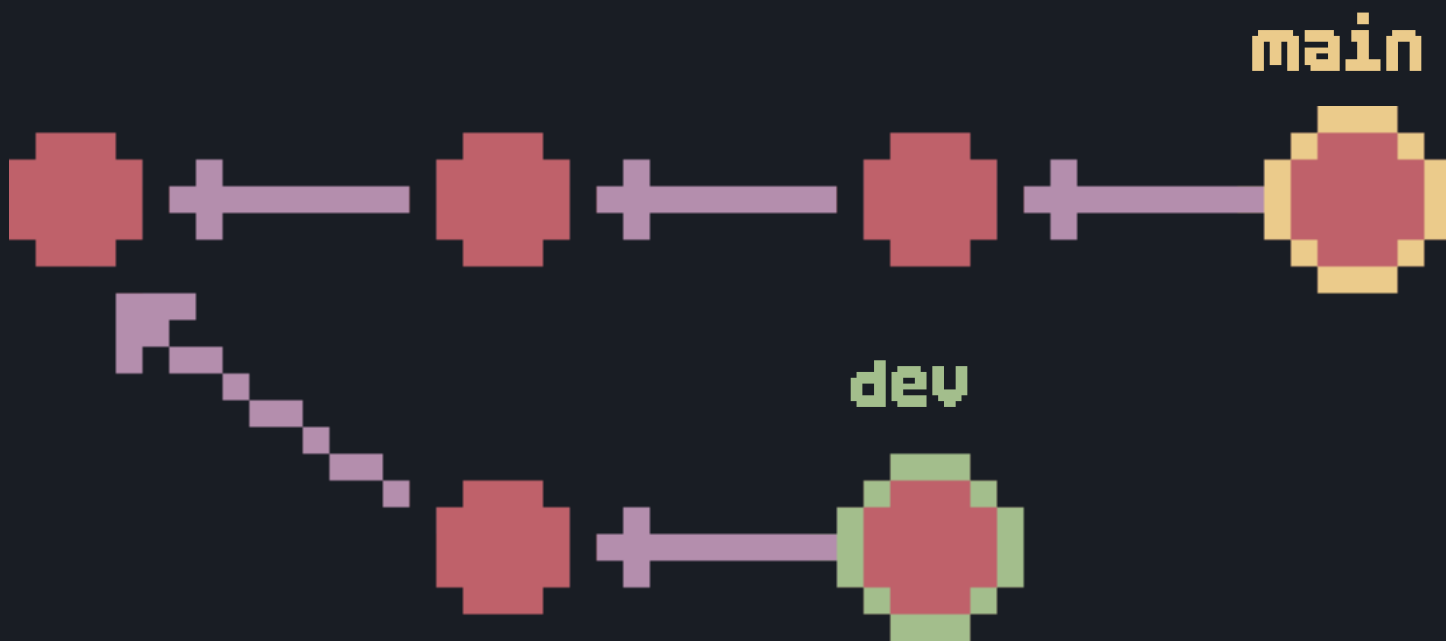
history



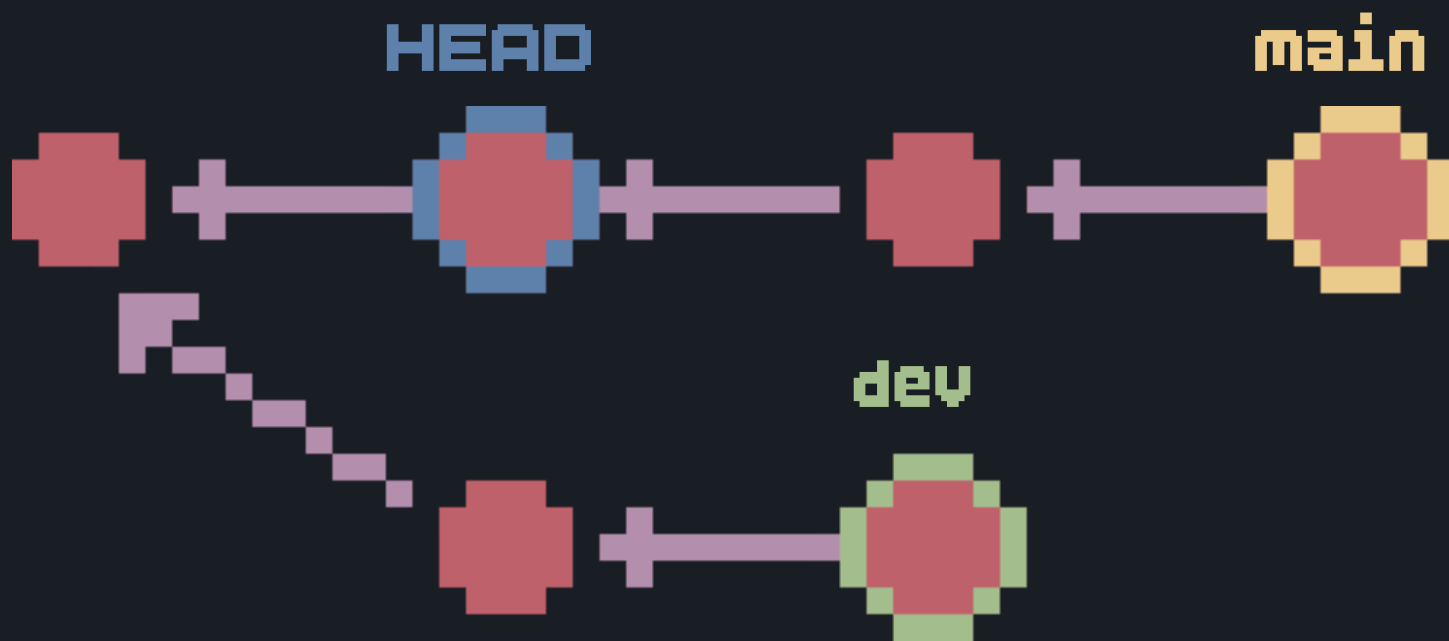
history



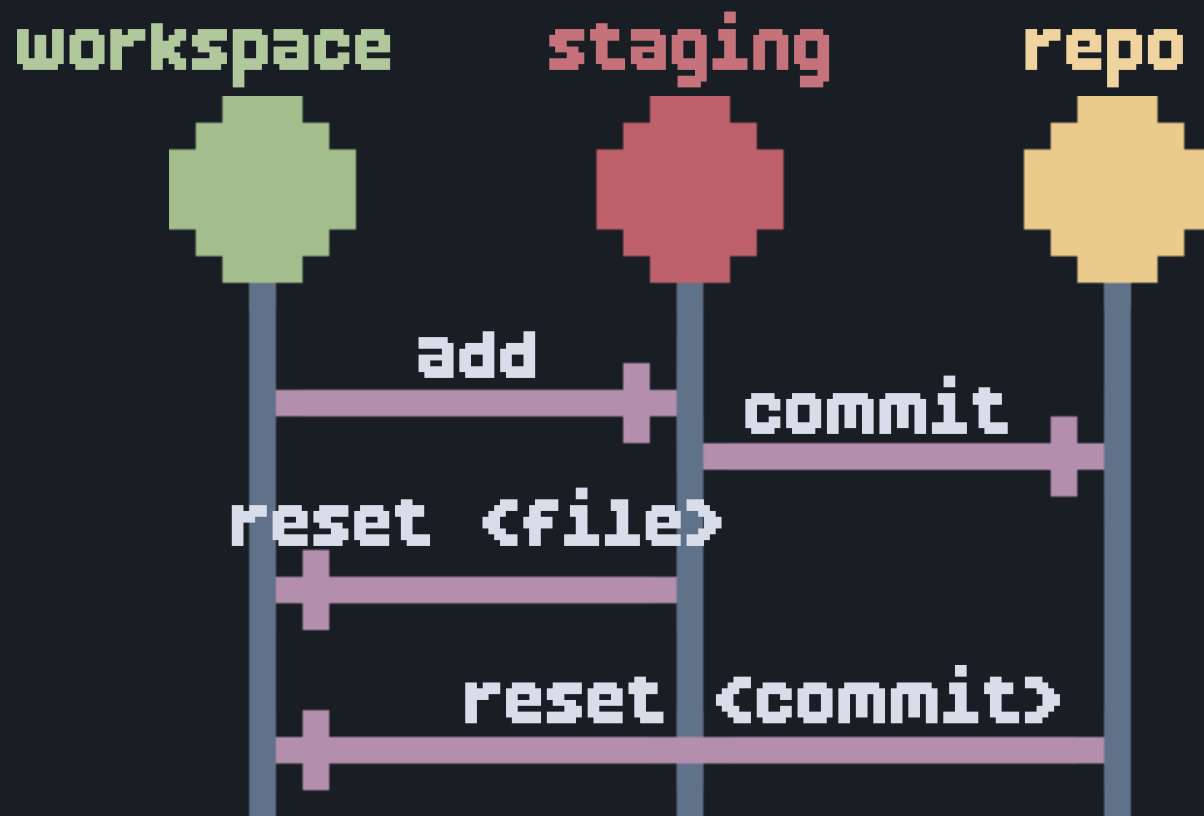
history



history



areas



remotes

- decentralized workflow
- hosting providers
 - github
 - gitlab
- collaboration
- a repo can have multiple remotes
 - origin

less common operations

- `git blame`
- `git rebase`
- `cherry-pick`
- `interactive rebase`
 - `HEAD~2`
- `amend`

further reading and sources

- [git book ↗](#)
- [oh shit git ↗](#)
- [learn git branching \(game\) ↗](#)
- [missing CS semester \(VSC\) ↗](#)
- [oh my git! \(game\) ↗](#)