

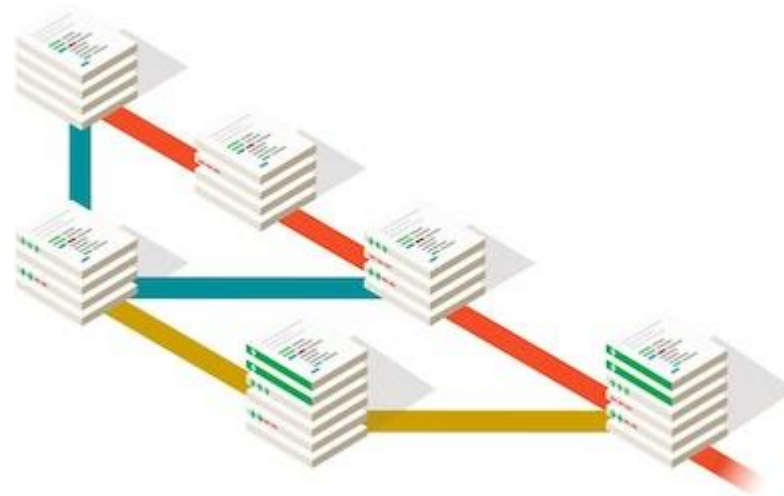


Source code version control system (VCS)

Overview

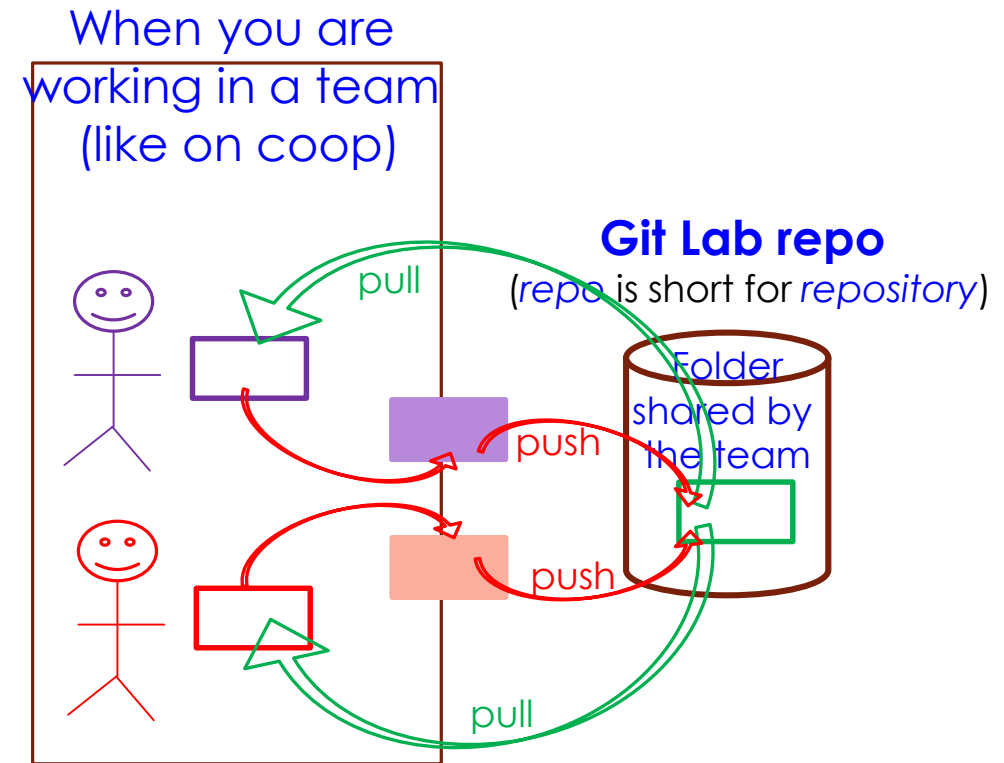
Source code **version control system** (VCS)

- Or software versioning system
- **Git** is a fast, distributed version control system used for storage and maintenance of your source code



In the real world, we use VCS (like Git) ...

- ... when we work in team and want to share our code with the other team members
- Workflow when we are working in a team:
 - Get a copy (`git pull`) of the content of Git repo at the beginning of our work session (or day)
 - Develop and test our code on our local repo
 - Submit our code (`git push`) to the Git repo at the end of our work session (or day)
 - Git then merges all the code pushed by each team member into a new version of the project code and stores it onto the Git repo



In CMPT 127, we use VCS (like Git) ...

- ...because we want to share our code with the CMPT 127 grading robots

