

Automate pull and push to Git

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The problem

- Working on a project, Realize you forgot to pull

The screenshot shows a GitLab merge request interface. On the left, a terminal window displays a file explorer with files: file, Fourth, SecondFile, and ThirdFile. The main area shows a merge request titled "Merge branch 'master' of git@gitlab.cs.washington.edu:jsantino/demo.git". The commit history includes:

- jsantino authored about a minute ago (circled in red) with a red arrow pointing to the text "<- 10 min to merge".
- jsantino authored 10 minutes ago (circled in red).
- file 3 work by JOSEPH GABRIEL SANTINO authored 11 minutes ago.
- file 2 work by JOSEPH GABRIEL SANTINO authored 11 minutes ago.
- work on file 1 by JOSEPH GABRIEL SANTINO authored 12 minutes ago (underlined in red).

A large red bracket on the right side groups the last three commits (file 3 work, file 2 work, and work on file 1) with the text "2 min to make".

- Get home and realize you never pushed your work

The Solution

- Automate it!
 - Pull active project when you open your environment
 - Push altered files on close
- Issues
 - Unwanted changes to working branch on close
 - Tons of IDEs, integrate directly or make a separate tool?