What is **git**?

Colorado School of Mines Linux Users Group
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https://lug.mines.edu/attend
Introduction

- What is git?
  - “The stupid content tracker.”
  - A time travel system
  - A graph
  - Distributed version control software invented in 2005 by Linus Torvalds to aid with development of the Linux kernel.

- Version control: The strategy for management of the revisions of a document.
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Process

helloworld.c

Makefile
commit b8aa27b8f783394cc46e63aedaa49bce13085a00
Author: LUG <lug@mines.edu>
Date:   Thu Sep 17 15:00 2020 -0600
    Initial commit.
commit b8aa27b8f783394cc46e63aedaa49bce13085a00
Author: LUG <lug@mines.edu>
Date:   Thu Sep 17 15:00 2020 -0600
    ... LUG <lug@mines.edu>
Date:   Thu Sep 17 16:03 2020 -0600
    Added README.
helloworld.c Makefile README.md
master

commit fa9216f6383316ac6929d9989043544849ad0ac9
Author: LUG <lug@mines.edu>
Date:   Thu Sep 17 16:03 2020 -0600
    Added README.
You can **fetch** commits from remote locations, **merge** them into your version of events, and **push** your commits to remote locations.
• git is very cool, but version control isn't the only thing you might want when working on a project.

• You might also want...
  • A website where people can easily find git repos
  • Some sort of TODO list or list of bugs
  • Automated testing and CICD
  • Tools for code review
  • (and more)
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