Fundamentals of Git Missouri Satellite Team

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Getting Started

There'll be some setting up before you can start using git. It'll depend on your operating system — you can refer to the installation guide here. Below are the more popular methods of installation.

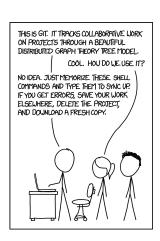
```
macOS brew install git 1
Linux Depends on your distro. If Ubuntu use
       sudo apt-get install git-all, if Arch Linux
      then pacman -S git, if others refer here.
```

Windows Download a .exe from here.



What is Git?

- Git is nothing more than Directed Acyclic Graph of objects compressed and identified by an SHA-1 hash.
- Git works in snapshots, not differences.
- Git is local.
- Git has data integrity.
- Git is parallelizable.



The Five Stages of Git

- 1. Working Directory
- 2. Staging Area
- 3. Git Directory
- 4. ...
- 5. Profit

Git ting Good

If the "stages" didn't make sense, that's alright. It's better to go through a workflow as apposed to the formalities.

- 1. Start a new repository with git init
- 2. Work on project in bite sized chunks, and add files that were changed with git add file(s)
- 3. Commit your changes with git commit
- 4. Optionally, git push to save changes to the remote branch
- 5. Of course, profit.

Demo