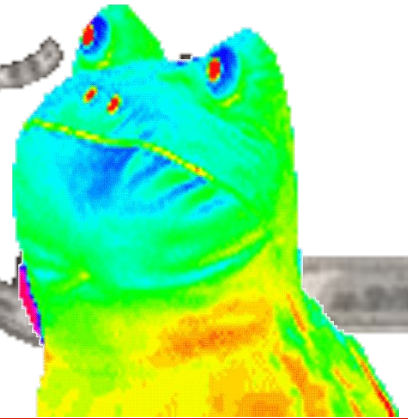


RCOS

Rensselaer Center for Open Source

January 14, 2022

Install-Fest



Git + Repo Management

Definitions

Repo = Repository = Place where code is stored

git = Keeps track of your repository and changes within it. It's a version control system, so you can go back to previous versions if you break something.

GitHub = Web interface for git. RCOS uses GitHub a lot!

Commit = save changes you made to your repository

Git Commands

- Basics

- [config](#)
- [init](#)
- [clone](#)
- [status](#)
- [log](#)
- [add](#)
- [reset](#)
- [diff](#)
- [commit](#)
- [push](#)
- [pull](#)
- [rm](#)
- [mv](#)
- [rebase](#)
- [reset](#)

- Branching

- [branch](#)
- [switch](#)
- [checkout](#)
- [merge](#)
- [stash](#)
 - list
 - pop
 - drop

.gitignore

File to designate stuff in your repo that shouldn't be committed

- security/API keys
- build/compilation artifacts

<https://git-scm.com/docs/gitignore>

(scroll to bottom for examples)

More Git(Hub) Stuff

- [forking](#)
- [pull requests](#)
- [issues + projects](#)
- [“actions” CI/CD](#)
- [wiki](#)

Docs

- [License](#)
- README
- Code of conduct
- Issue/PR templates

Any Questions?

Ask now or use the #helpdesk Discord channel or DM Coordinators/Faculty Advisors if you ever have questions.

Attendance

Everyone gets attendance credit for these first meetings, but in the future we will take attendance.