git
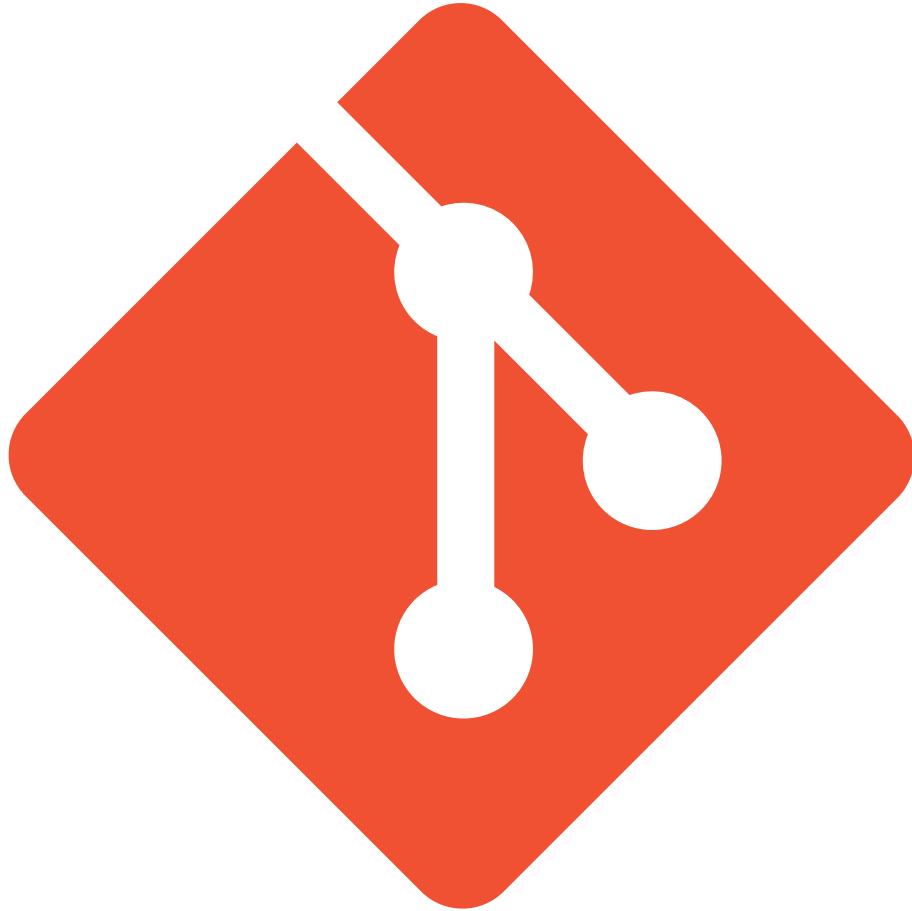
Ryan Tolboom

New Jersey Institute of Technology

What is git?

- a version control system
- command line based
- keeps track of files and changes to them
- works locally but can "push" to a remote

What do people think of git?
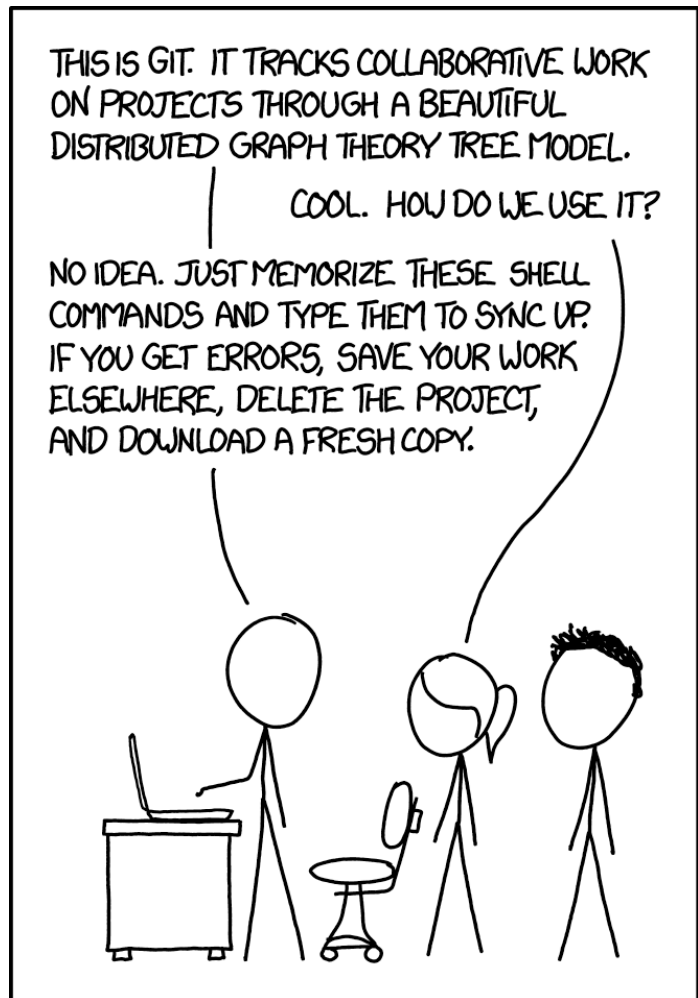
Why do we need it?

- make things less brittle
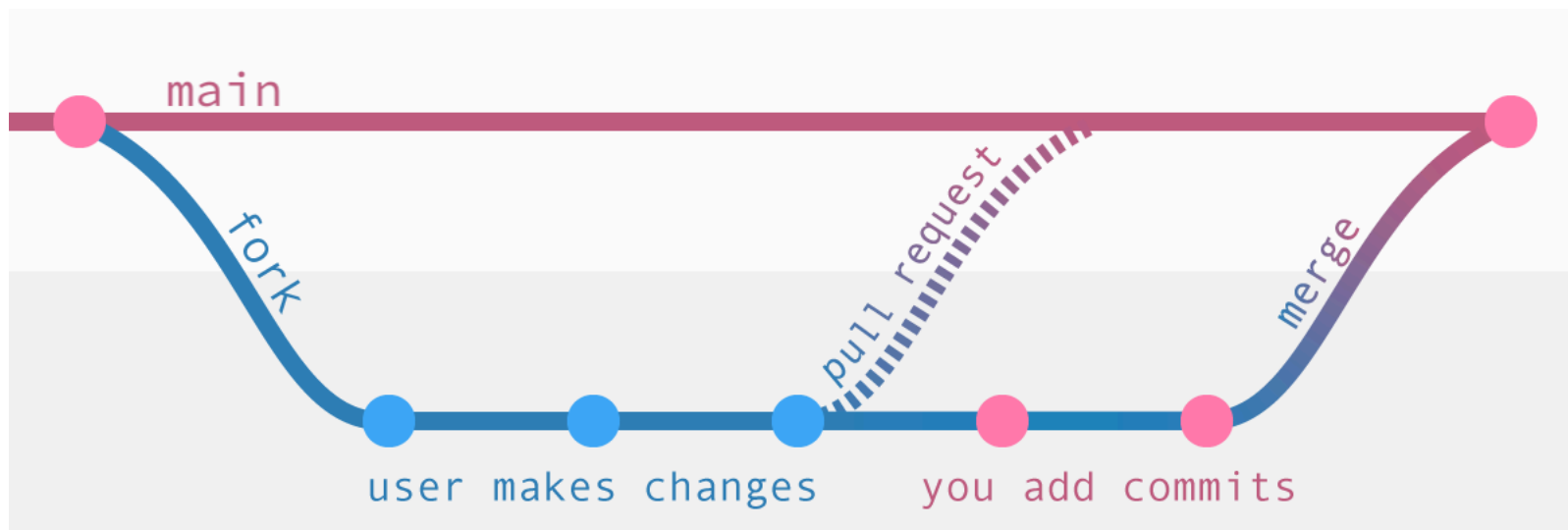- keep track of things
- find out who changed things

Why Git?
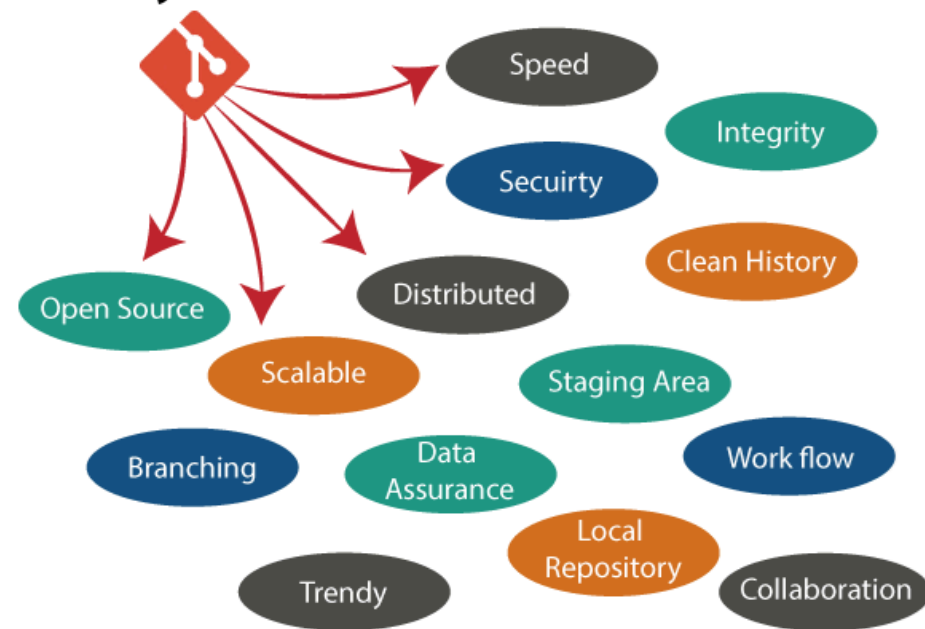
How is it used?

- create a repo: `git init` (local or remote, GitHub can do this for you)
- clone the repo: `git clone`
- add files you want tracked: `git add`
- commit changes: `git commit`
- push changes: `git push`

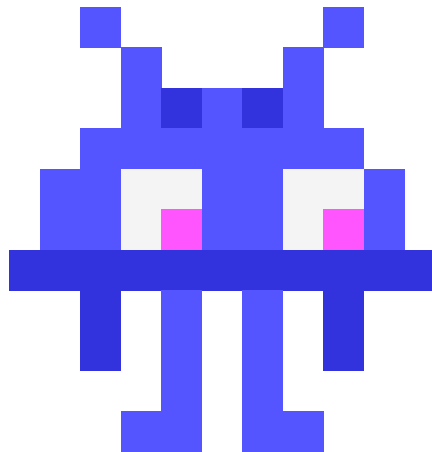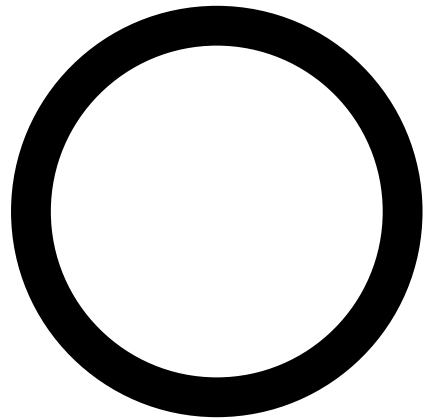# How do I collaborite with git?

- fork a repo (create a branch)
- make your changes
- submit a PR
- PR gets merged (hopefully)

Why are we talking about git in a sysadmin class?

- configurations a typically lots of little files we need to track
- Docker Compose projects can be tracked in git
- Kubernetes projects can be tracked in git
- git helps with change management
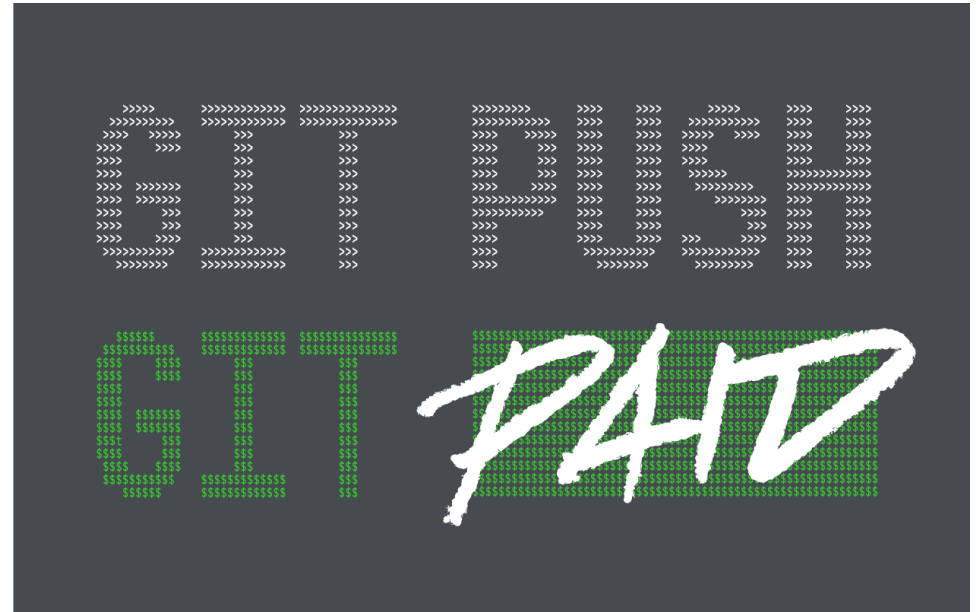
git services

- [GitHub](#)
- [GitLab](#)
- [SourceHut](#)
- [Radicle (p2p, v1.0 just came out!)](#)