# Git for DBAs

A Simple Intro

# Kendra Little

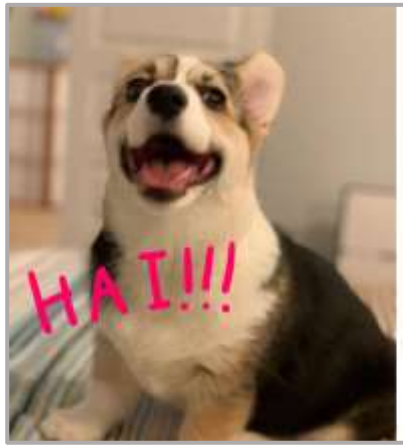
littlekendra@gmail.com
@Kendra_Little

# Topics

Git for DBAs: Why, What, How

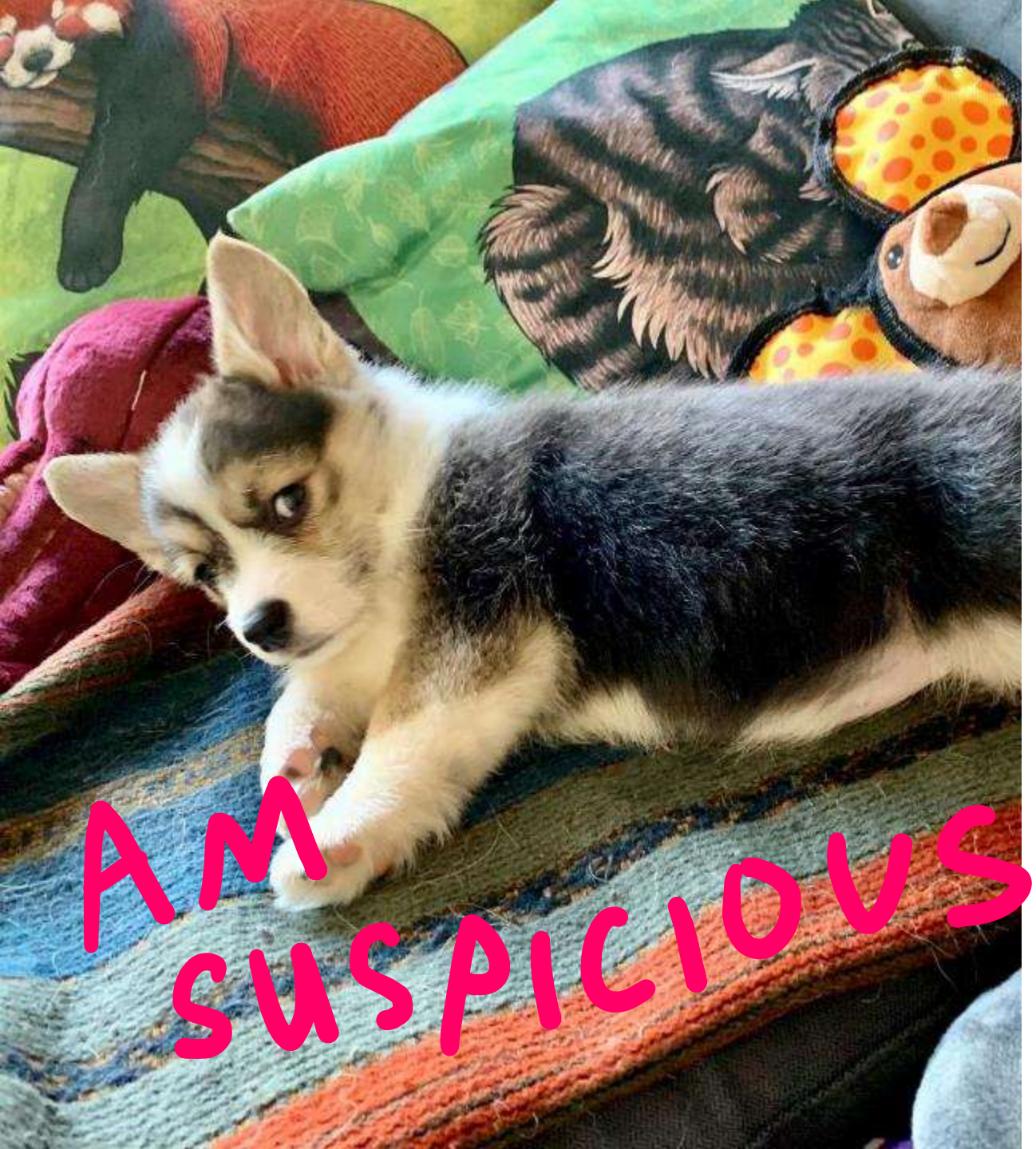
Git Repo Creation and Local Install

Essential Git Commands




References & Discussion

# Git for DBAs: Why, What, How




# Why Git?

File shares are unreliable

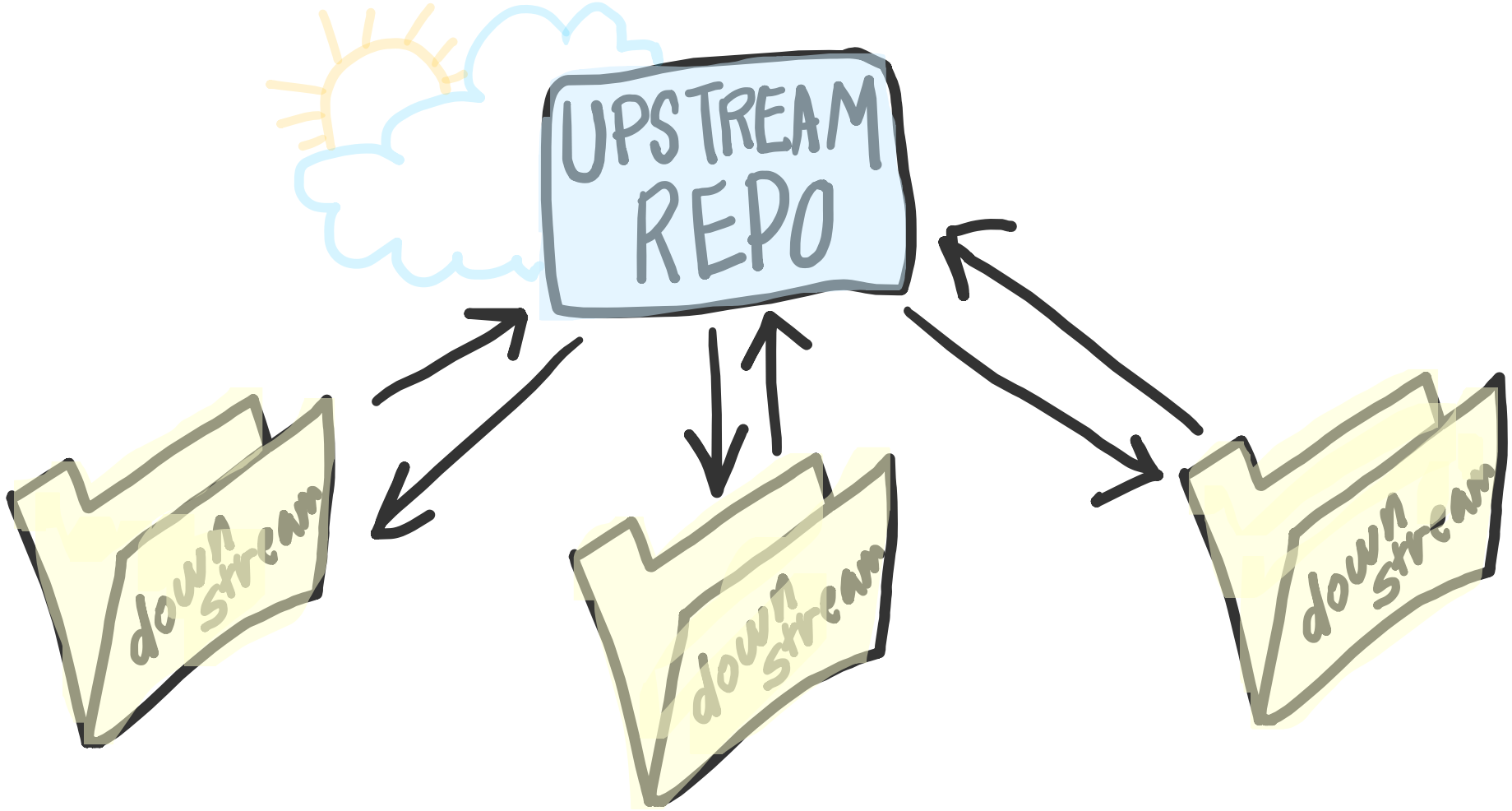
Broadly accepted

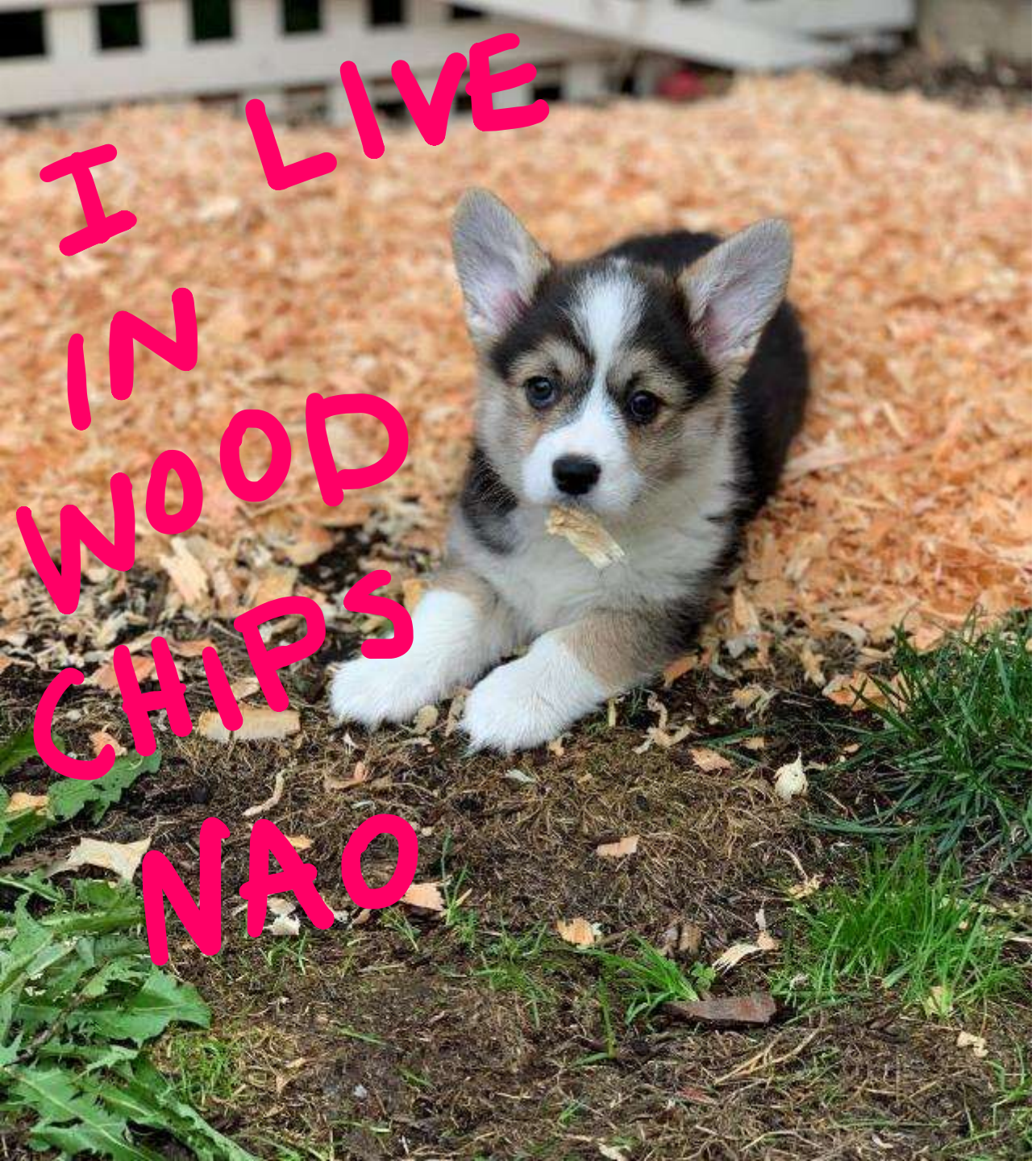
Version, share, improve

- Config files
- Scripts
- Database code
- Applications

Basis for automation

# Git is a distributed VCS






# Git hosting options

DEMO

- Github
- Bitbucket
- Gitlab
- Azure DevOps repos
- Github Gists

# Using Git for database code

Multiple tools, some fancy

- ~~Auto-generate SQL~~
- ~~CI/CD components~~
- ✓ Multi-database support

Today I'm showing a ~~simple~~ deployment tool, Flyway

# Git Repo Creation and Local Install

Demo: Create and clone your repo

# Essential Git Commands

# Merge is your friend

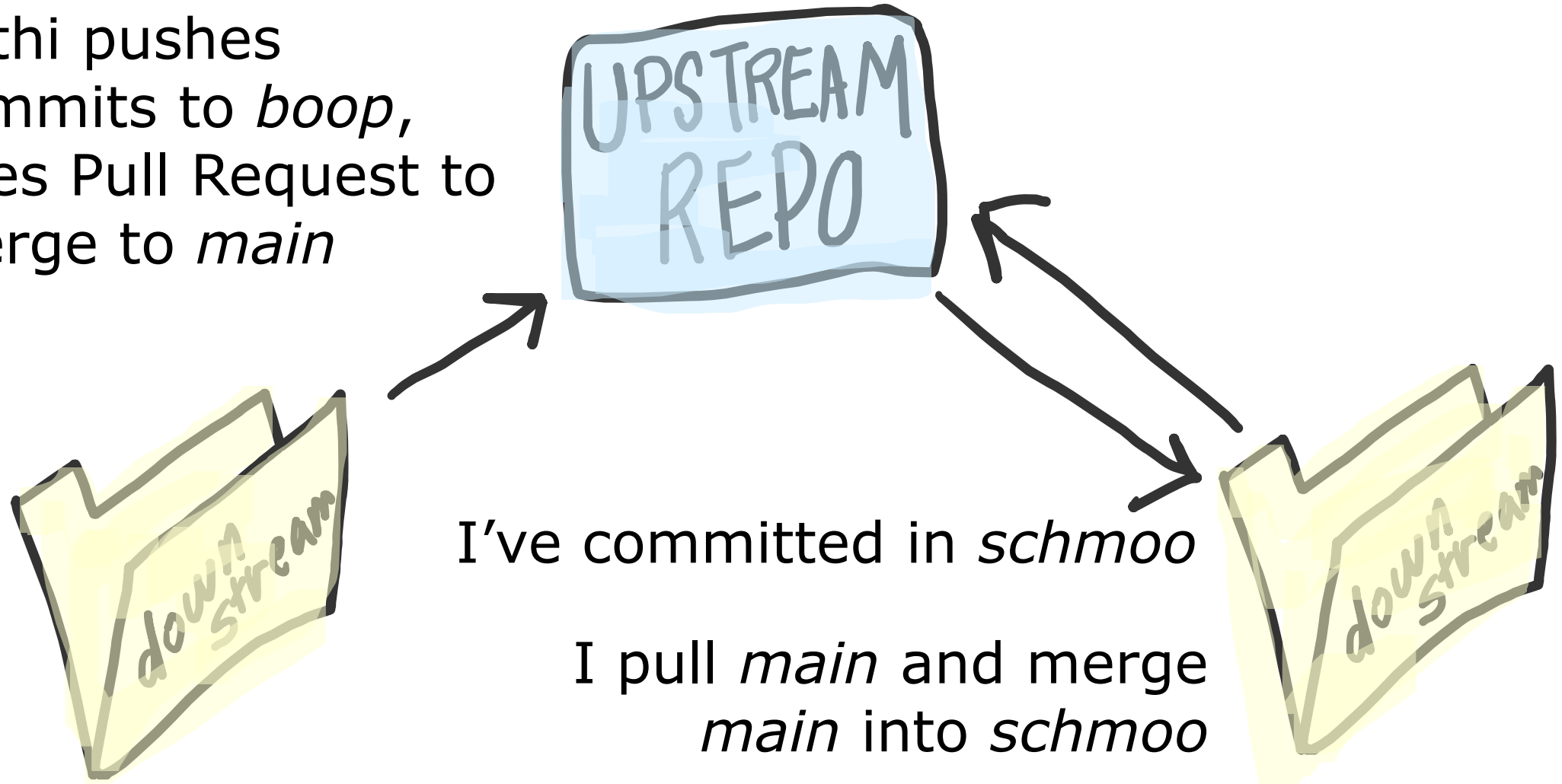
**Assumption**: Branching and merging sounds hard, we'll learn it later

**Reality**: Git is *easier* to use when you embrace branching

Kathi pushes commits to *main*

I have local commits to *main*

Kathi pushes commits to *boop*, does Pull Request to merge to *main*




I've committed in *schmoo*

I pull *main* and merge *main* into *schmoo*

I push *schmoo* and do a Pull Request to merge to main

# What should I use?

**Git CLI** – Command Line Interface

**VSCode** and **Azure Data Studio** (ADS) – Simple, free GUI

# Demo: Using Git

# References & Discussion

# Comments? Questions?

Git repo:
https://github.com/LitKnd/GitForDBAs

Cheat sheet:
https://littlekendra.com/2019/11/27/my-git-cli-cheat-sheet/

Rob Sewell:
https://sqldbawithabeard.com/2019/11/29/how-to-fork-a-github-repository-and-contribute-to-an-open-source-project/