

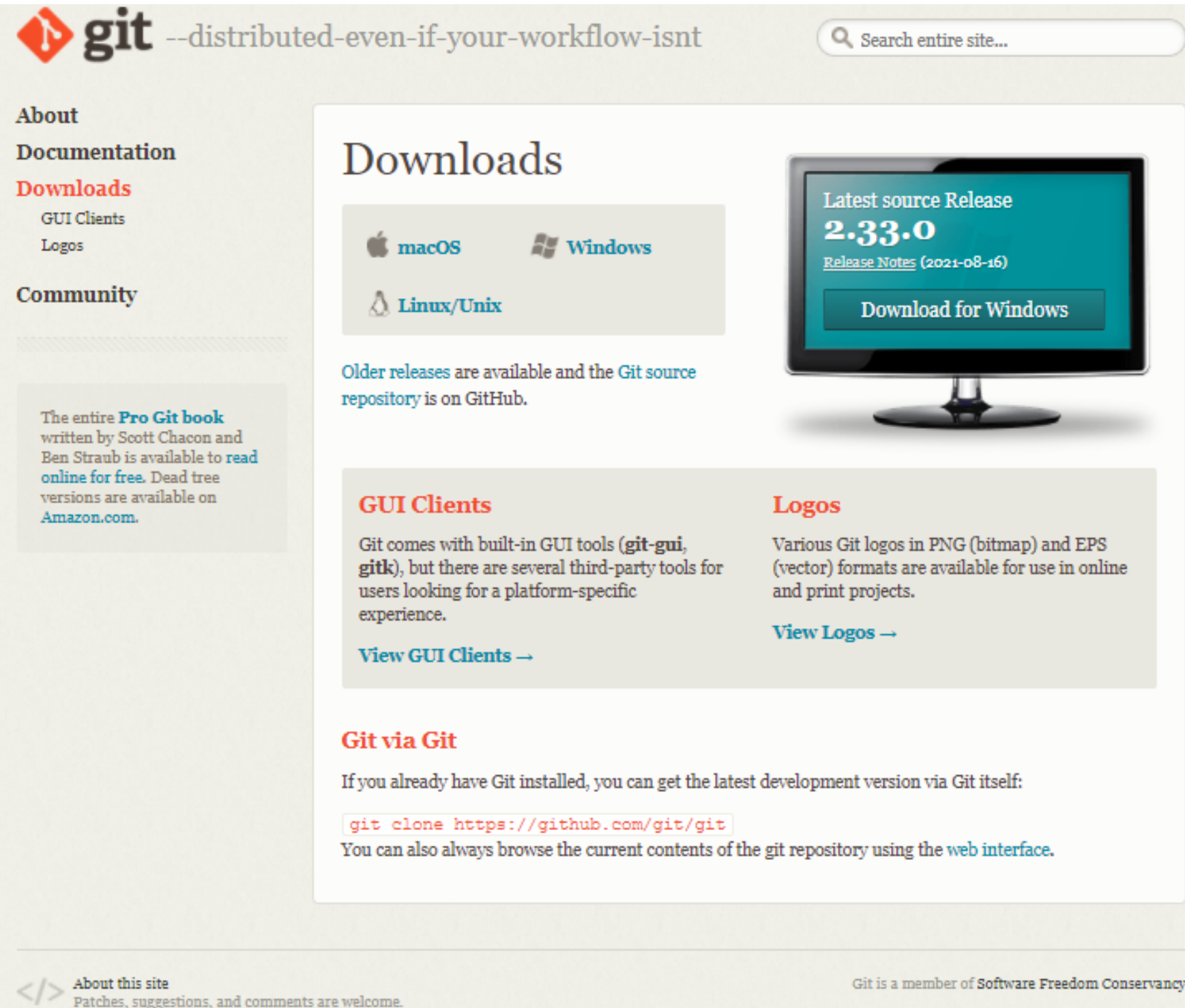
# Today's Agenda

- 1 What is Git & GitHub?
- 2 Understanding GitHub Workflow
- 3 Practical session
- 4 Bonus ☆☆☆ + Wrap up

# Prerequisite

**<https://git-scm.com/downloads>**

Git



Take: 5 minutes

# Prerequisite

<https://github.com/>

GitHub Account



Why GitHub? ▾ Team Enterprise Explore ▾ Marketplace Pricing ▾

Search GitHub

Sign in

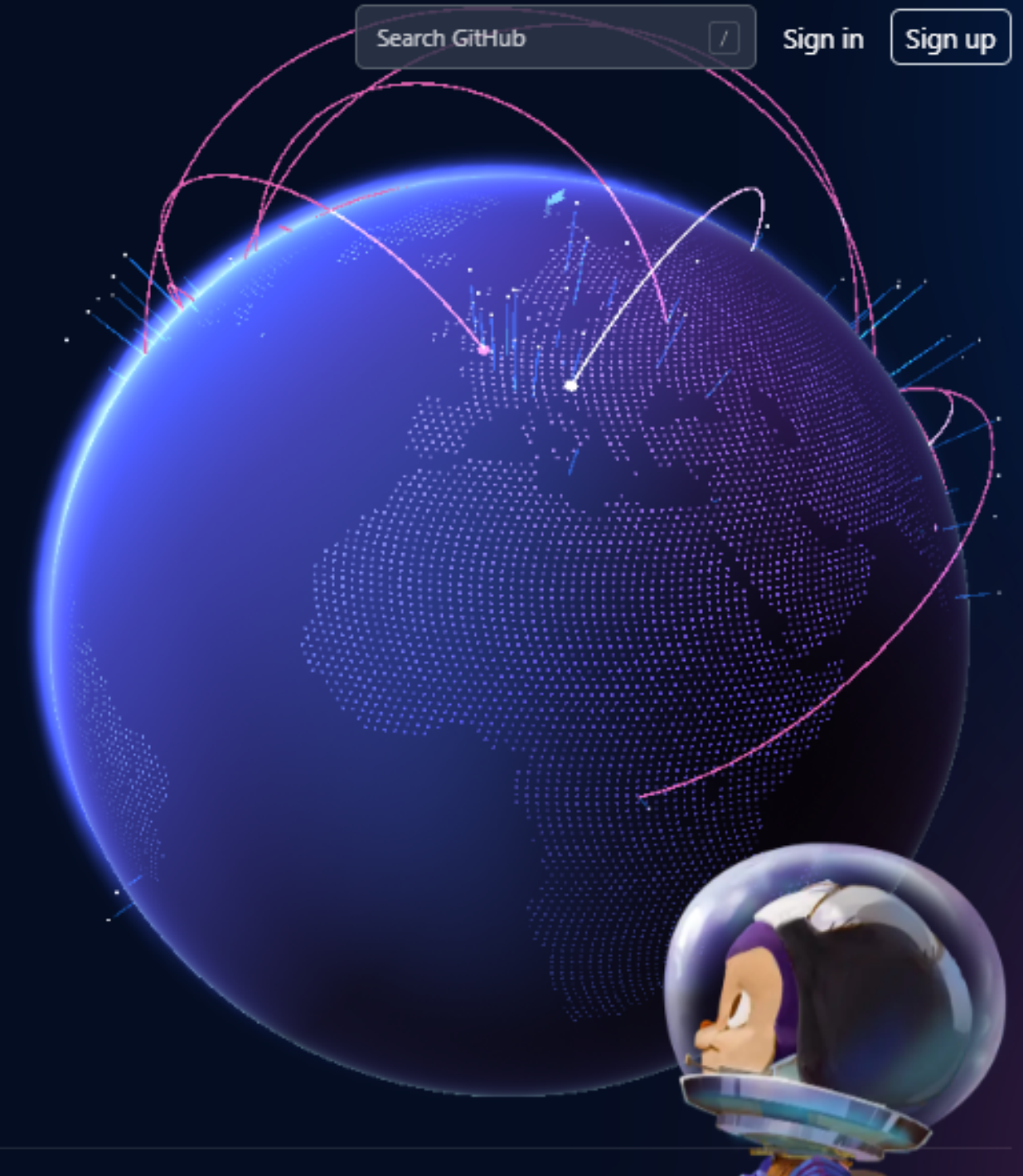
Sign up

## Where the world builds software

Millions of developers and companies build, ship, and maintain their software on GitHub—the largest and most advanced development platform in the world.

Email address

Sign up for GitHub



Take: 5 minutes



- Version Control System

- Save versions and Easily revert changes

- The project is called a "Repository"



- Host for Git Repositories

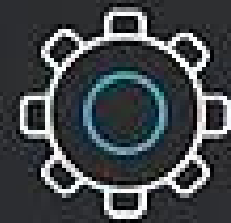
- Store Repositories in the Cloud

- Easily collaborate over the Internet

# Git

vs.

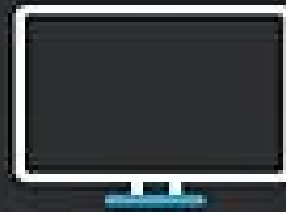
# GitHub



Git is installed and maintained on your local system (rather than in the cloud)



First developed in 2005



One thing that really sets Git apart is its branching model

Git is a high quality version control system

GitHub is designed as a Git repository hosting service



You can share your code with others, giving them the power to make revisions or edits

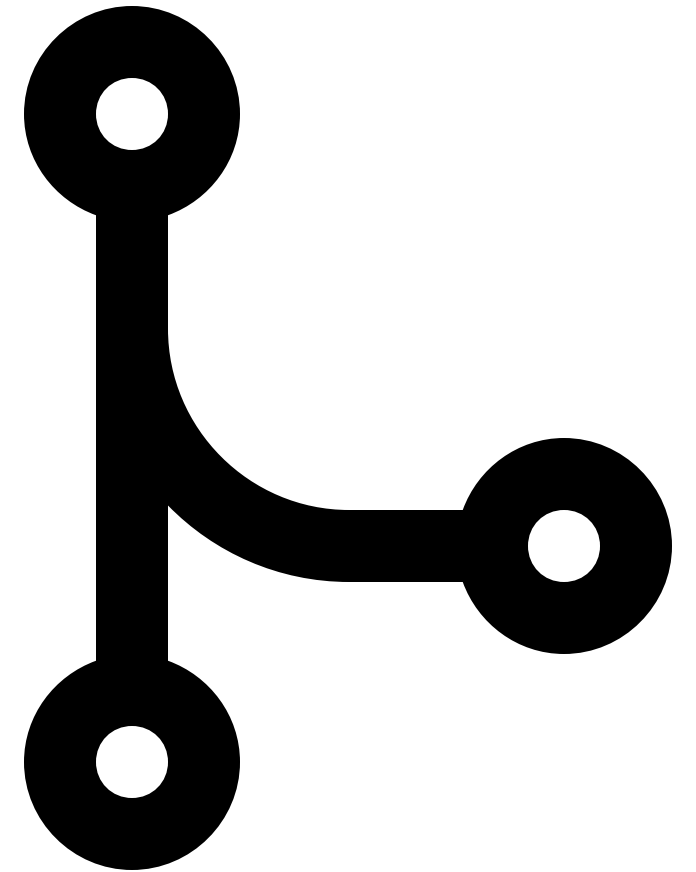
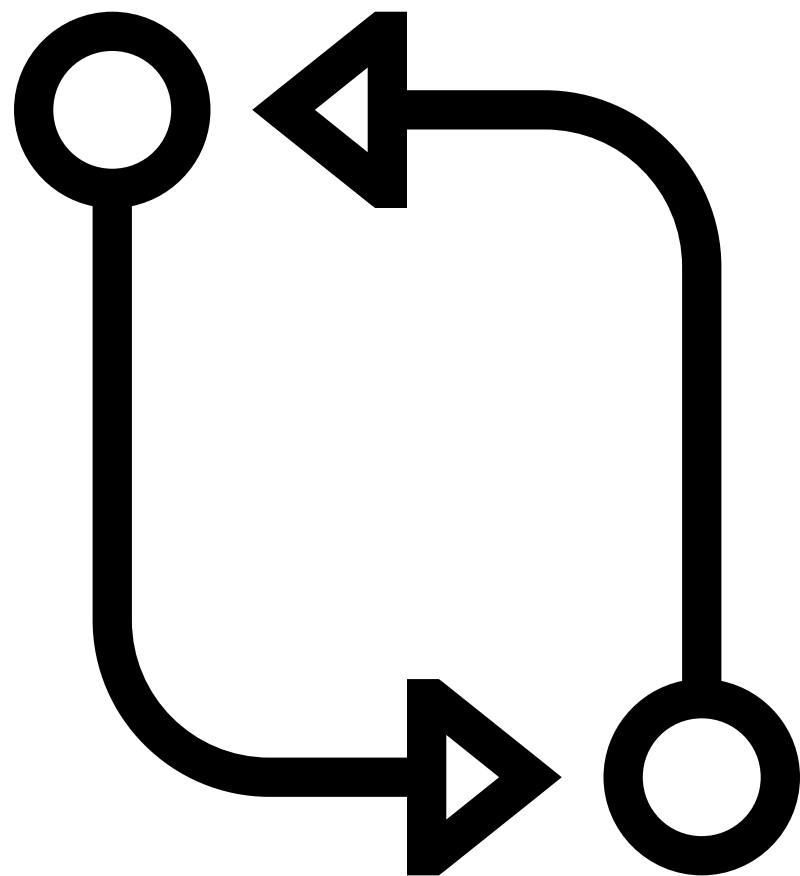
GitHub is a cloud-based hosting service



GitHub is exclusively cloud-based



# Understanding GitHub Workflow



# Local

# Remote

working  
directory

staging  
area

localrepo

remote  
repo

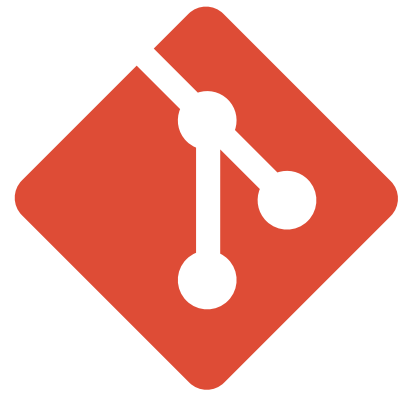
git add

git commit

git push

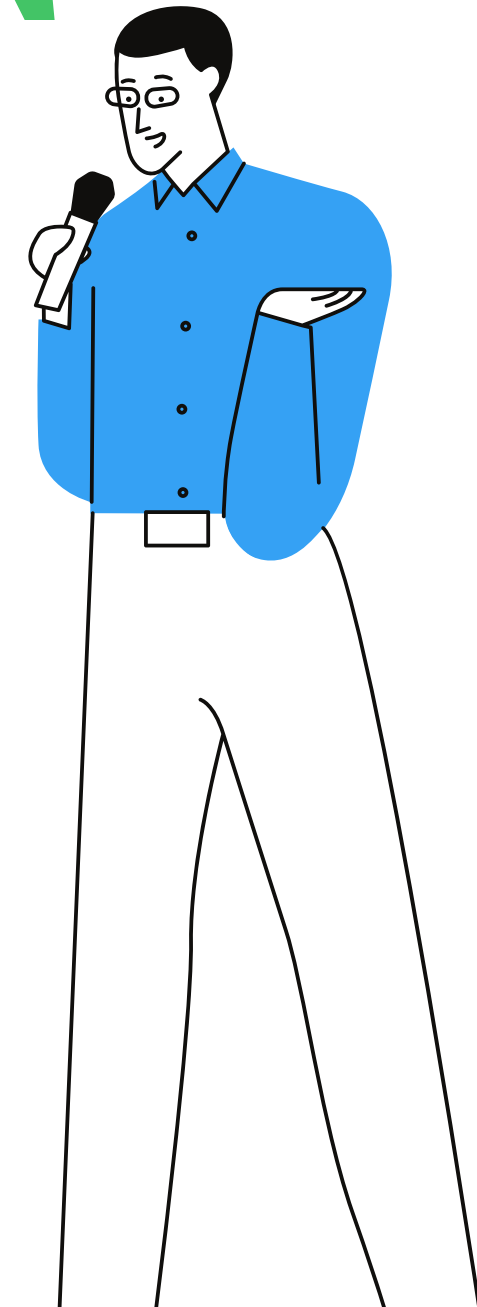
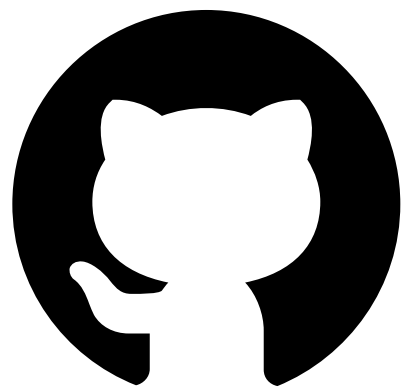
git pull

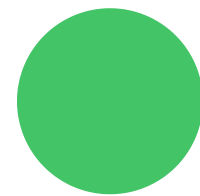




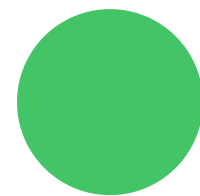
Are you ready?

# Let's Git it!

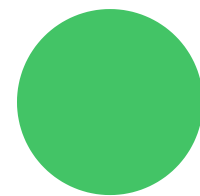




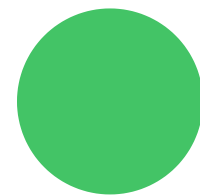
**git init**



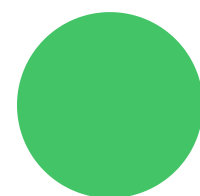
**git add -A**



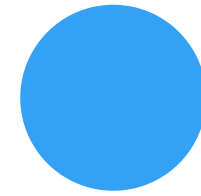
**git commit -m "message"**



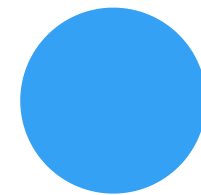
**git remote add origin [URL]**



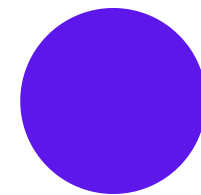
**git push origin main**



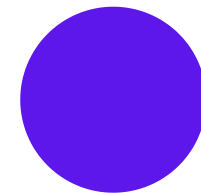
**git status**



**git log**



**git branch feature**



**git checkout feature**

# Git Commands

# We're done!

A green speech bubble with a tail pointing downwards and to the left, containing white text.

Thank you for  
participating. Have a  
great day ahead.