



git



GitHub

What is Git

Git is an **open-source distributed version control system**. It is designed to handle minor to major projects with high speed and efficiency. It is developed to co-ordinate the work among the developers. The version control allows us to track and work together with our team members at the same workspace.

Git is software that runs locally. Your files and their history are stored on your computer.

Git was created by **Linus Torvalds** in **2005** to develop Linux Kernel. It is also used as an important distributed version-control tool for **the DevOps**

Git-Summary

- Git is a version control system.
- Git helps you keep track of code changes.
- Git is used to collaborate on code.



Microsoft



GitHub

GitHub

GitHub is an increasingly popular programming resource used for code sharing. It's a social networking site for programmers that many companies and organizations use to facilitate project management and collaboration.

73M+
Total developers
on GitHub

16M+
New users
in 2021

84%
of Fortune 100 companies
use GitHub Enterprise

61M+
New repositories
created in the last year

170M
Pull requests
merged

<https://octoverse.github.com/#top-languages-over-the-years>

GIT



VS

GITHUB



GIT vs GITHUB



Git is a command-line software which is installed locally on the system and maintained by Linux.

Git was first released in 2005.

GitHub is a service hosted on the web and maintained by Microsoft.

GitHub was launched in 2008.

Git vs. GitHub

Git

Git is a software.

Provide command line support.

Installed locally on the system.

Focused on version control and code sharing.

Maintained by Linux.

Vs.

GitHub

GitHub is a service.

Provides an attractive interface to interact with git repositories.

Hosted on the web.

Focused on centralized source code hosting.

Maintained by Microsoft.

Ways to Use Git

- Command line
- GUI -Sourcetree

key Terms of Git

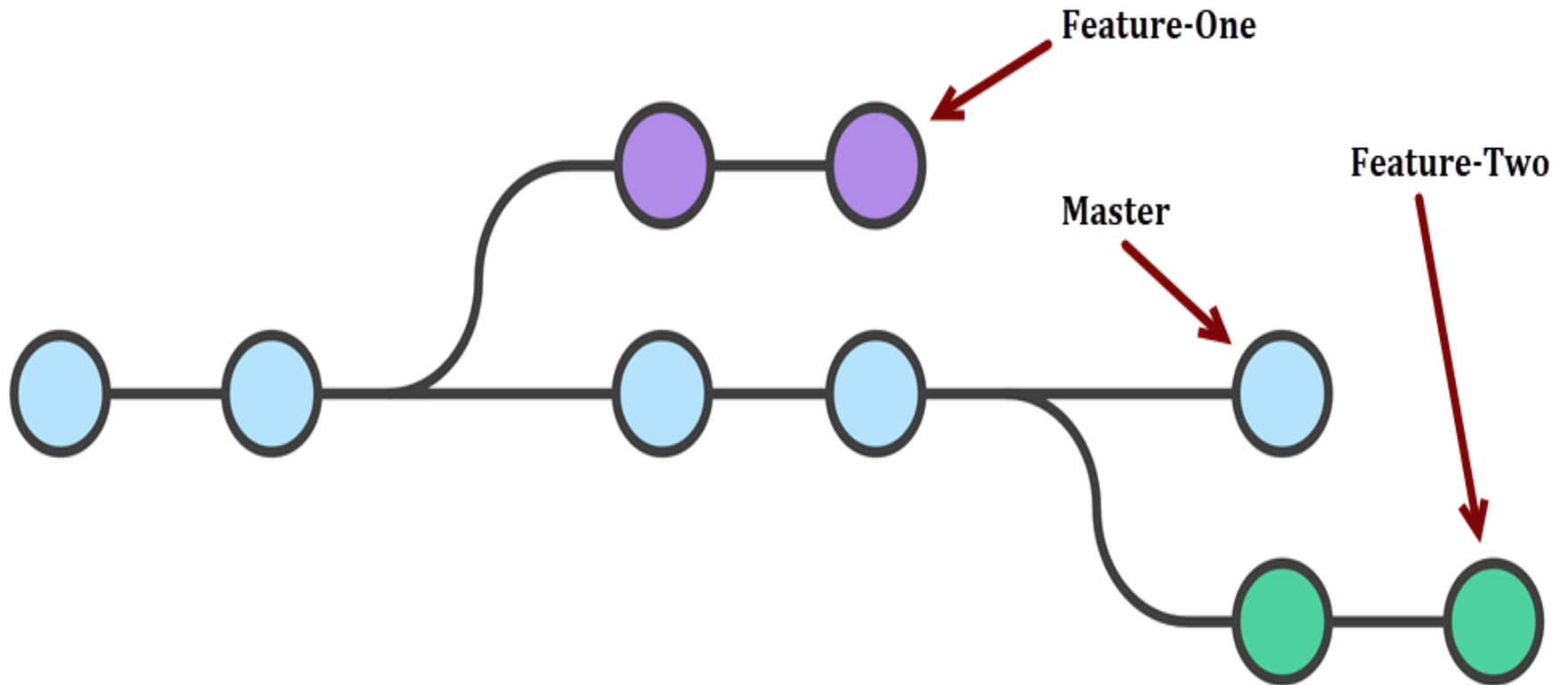
- Repository
- Working tree- directory
- Staging area
- master Branch
- Feature Branch
- Pull and Push
- Pull Requests
- Fetch and Merge
- Add and Commit
- Fork and Clone
- Branching and Merging

repository
permanent snapshots

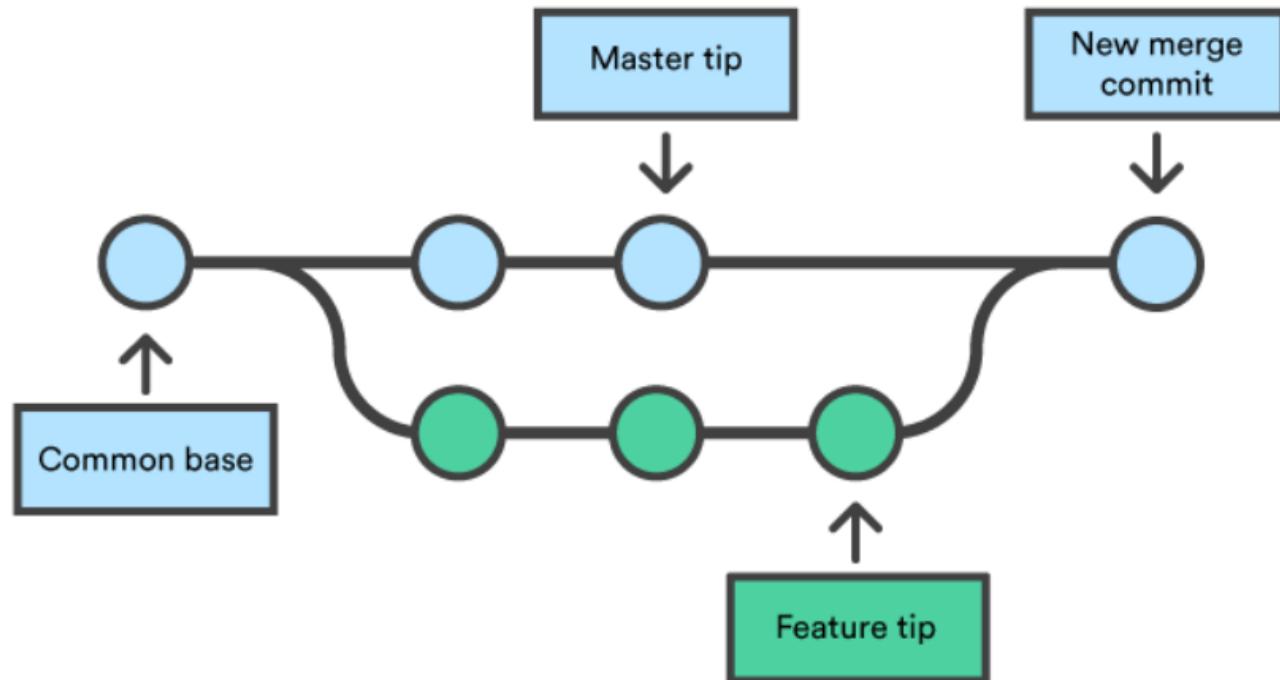
staging area
rough drafts

working directory
your workspace that can sometimes be messy!

Branch



Merge

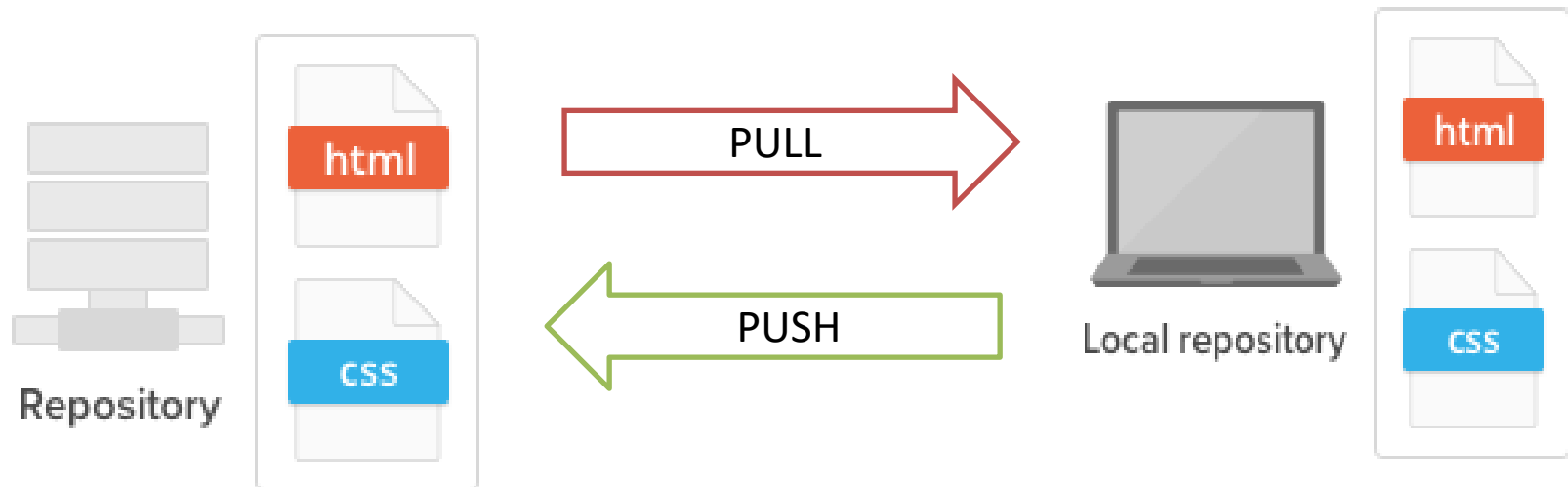


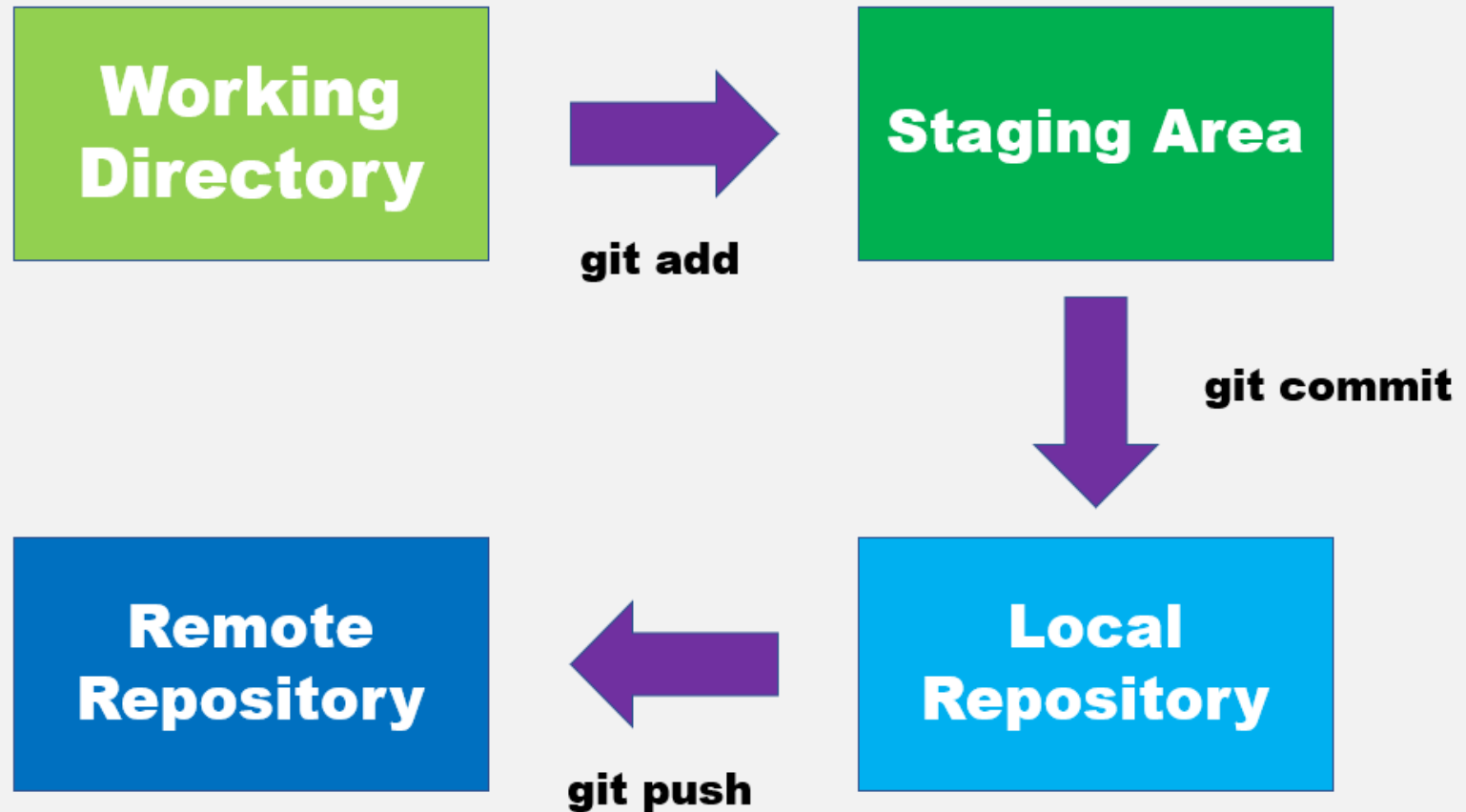
Basic Commands

- Git config
- Git init
- Git add
- Git diff
- Git commit
- Git reset
- Git status
- Git merge
- Git push
- Git pull

git clone
git reset
git status
git rm
git log
git show
git tag
git branch
git checkout
git remote
git stash

Push and Pull





Installation git

[Git \(git-scm.com\)](https://git-scm.com)

<https://phoenixnap.com/kb/how-to-install-git-windows>

About

The advantages of Git compared to other source control systems.

Documentation

Command reference pages, Pro Git book content, videos and other material.

Downloads

GUI clients and binary releases for all major platforms.

Community

Get involved! Bug reporting, mailing list, chat, development and more.



Pro Git by Scott Chacon and Ben Straub is available to [read online for free](#). Dead tree versions are available on [Amazon.com](#).



Windows GUIs



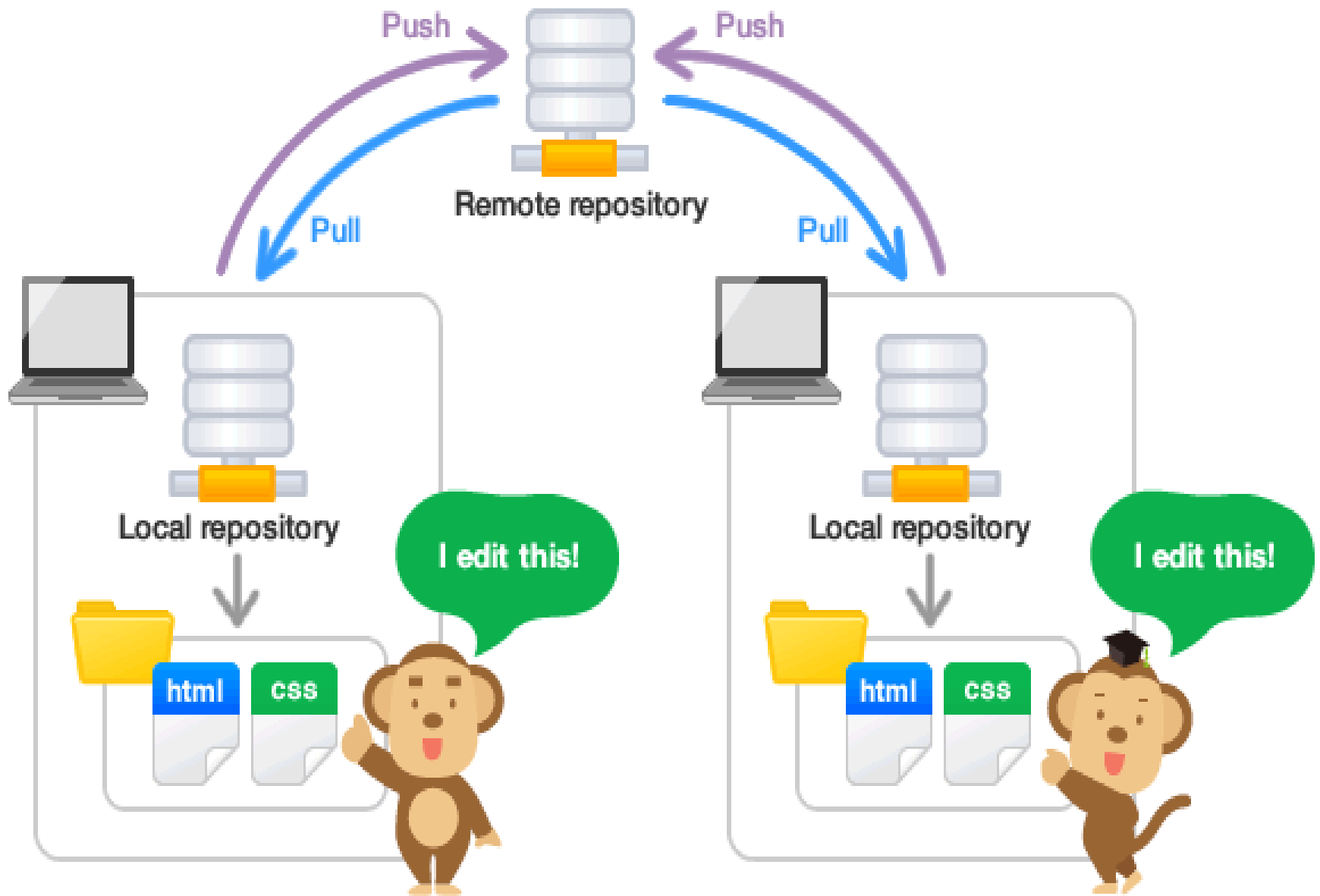
Tarballs

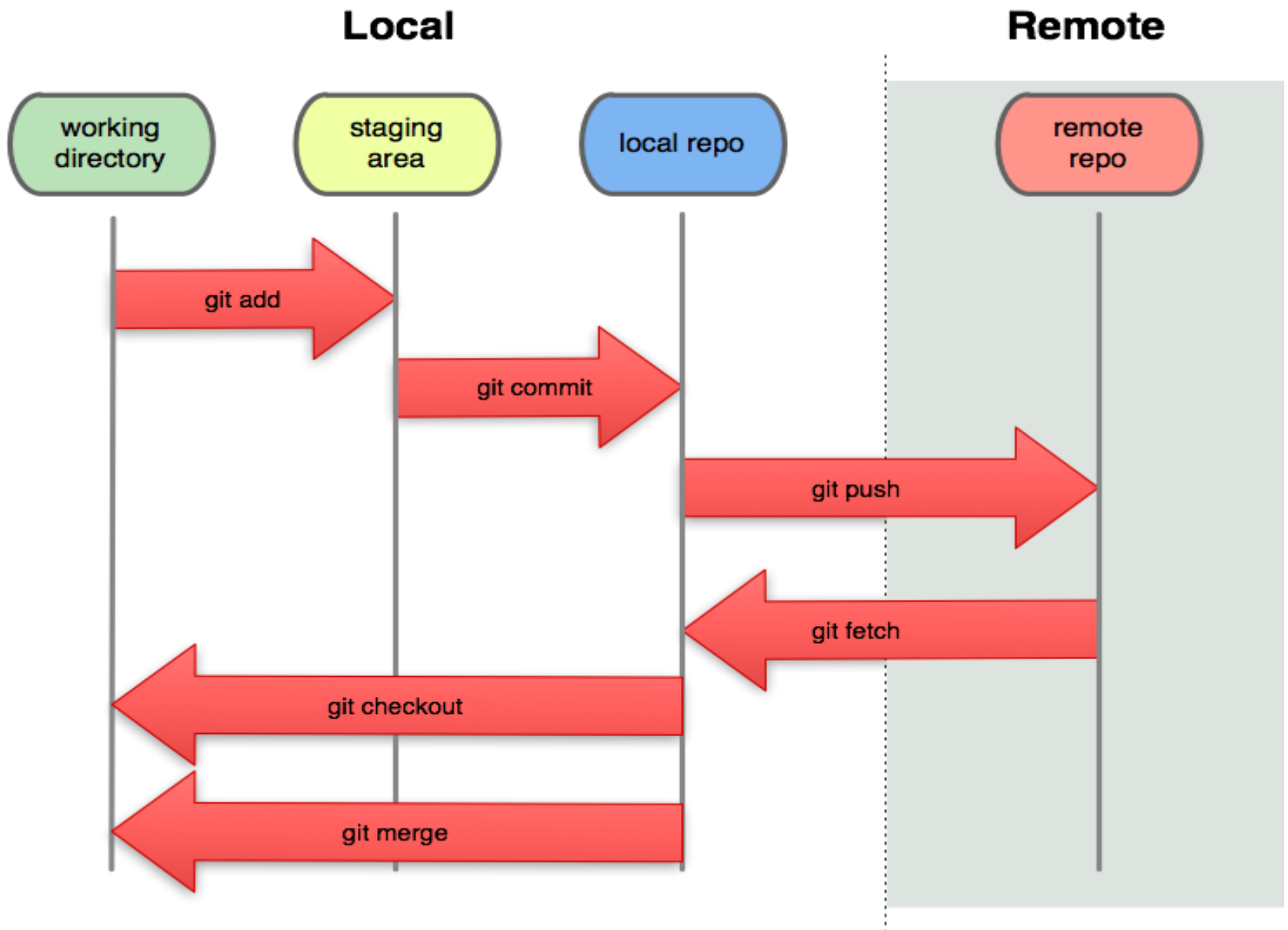


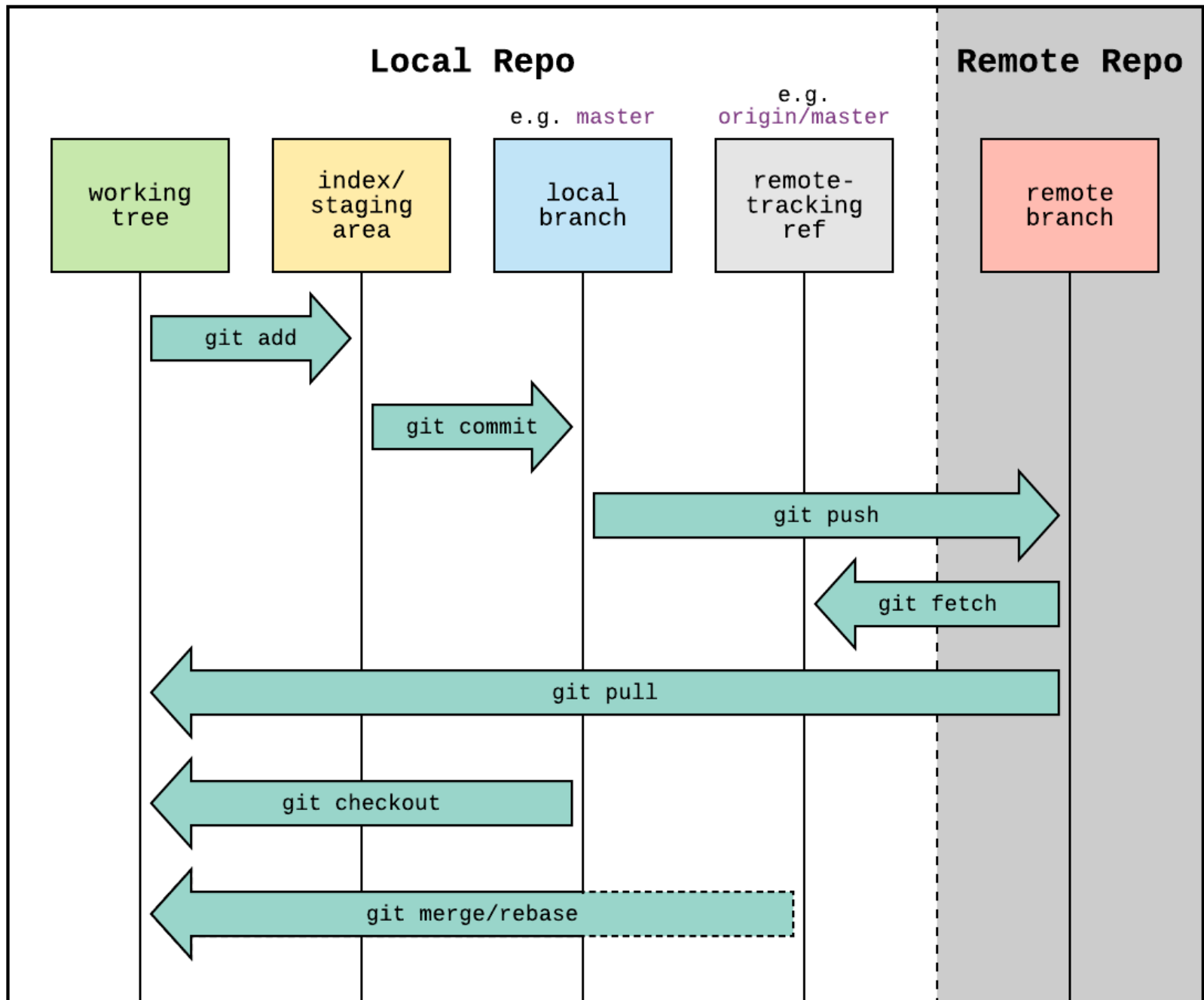
Mac Build

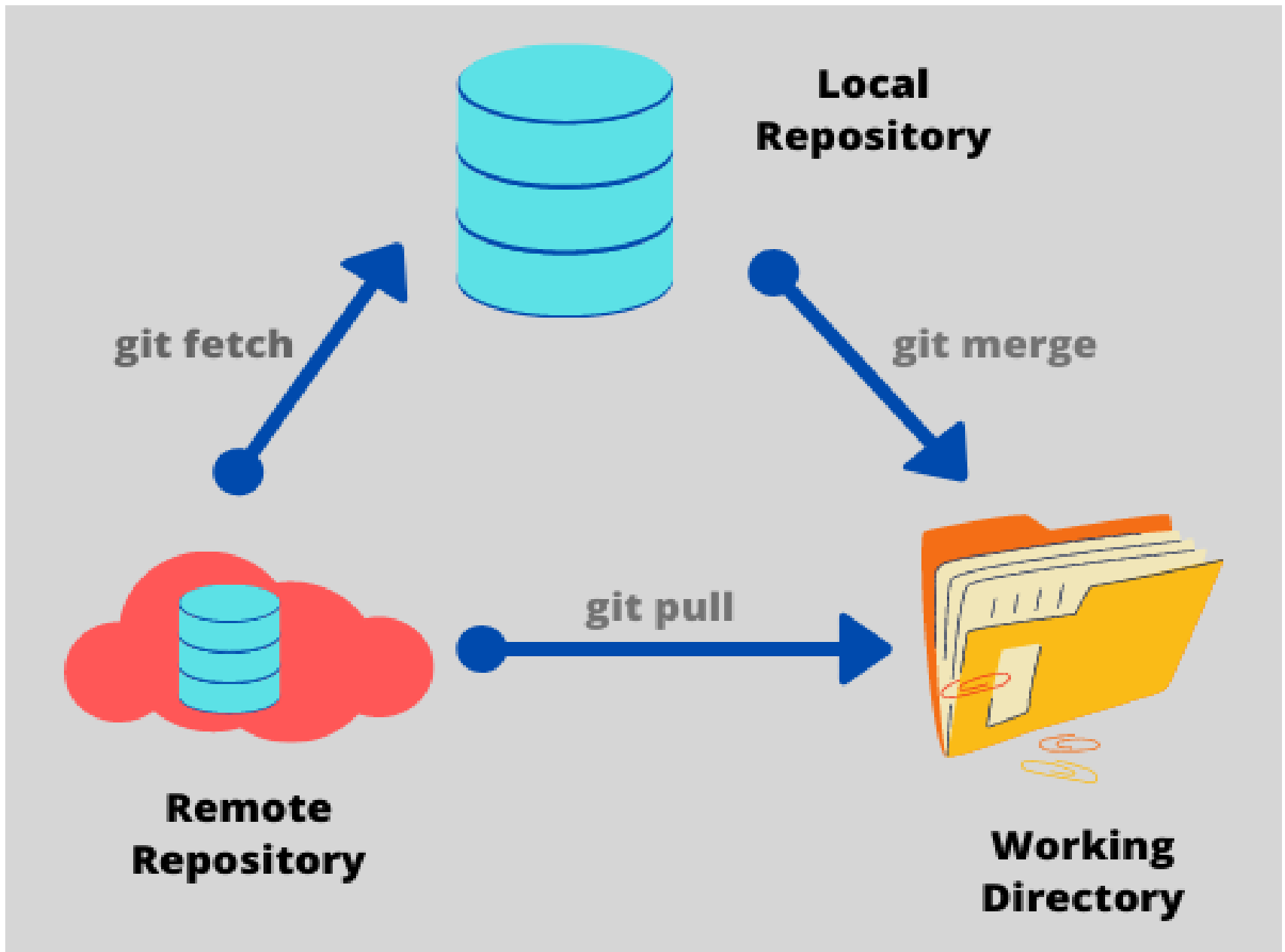


Source Code













Chandan verma

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Chandan Verma

Education Robin Media **Education**

3+

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Installed

<https://play.google.com/store/apps/details?id=co.robin.jrsna>