

The background of the slide features a large, dark gray circular shape. Inside this circle is a light gray silhouette of the GitHub Octocat logo. The Octocat's head is at the top, and its body extends downwards. The text is centered within the Octocat's head area.

# Intro to GitHub

Version control and collaboration platform for developers

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# What is GitHub?

(And why is it useful?)



**GitHub** is the most popular online repository for open source projects.

It uses **Git**, which is the version control system working in the background that tracks versions of files.

**Developers** (and all kinds of creators) use GitHub for:

- **Code Hosting:** Store and manage code repositories.
- **Collaboration:** Work with others through pull requests, issues, and code reviews.
- **Version Control:** Track and manage changes to code over time.

# Setting Up Software

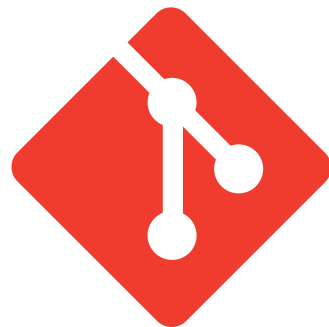
- Sign up to GitHub with your personal email. <https://github.com/signup>
- Download GitHub Desktop (available on Windows, Mac and Linux). <https://desktop.github.com/download>
- Download Git if it isn't automatically installed by the GitHub Desktop app. <https://git-scm.com/downloads>



GitHub



GitHub Desktop



Git

# How it Works

- Local files
- Local Git repository
- Online (GitHub) repository
- Commits
- Push and Pull

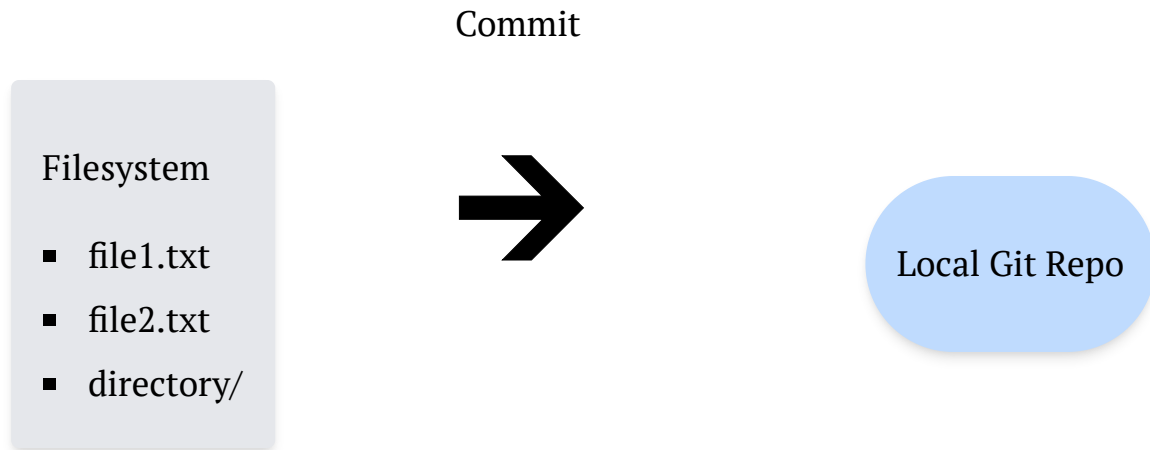
# GitHub Workflow

## Filesystem

- file1.txt
- file2.txt
- directory/

Local Git Repo

# GitHub Workflow



# GitHub Workflow

## Filesystem

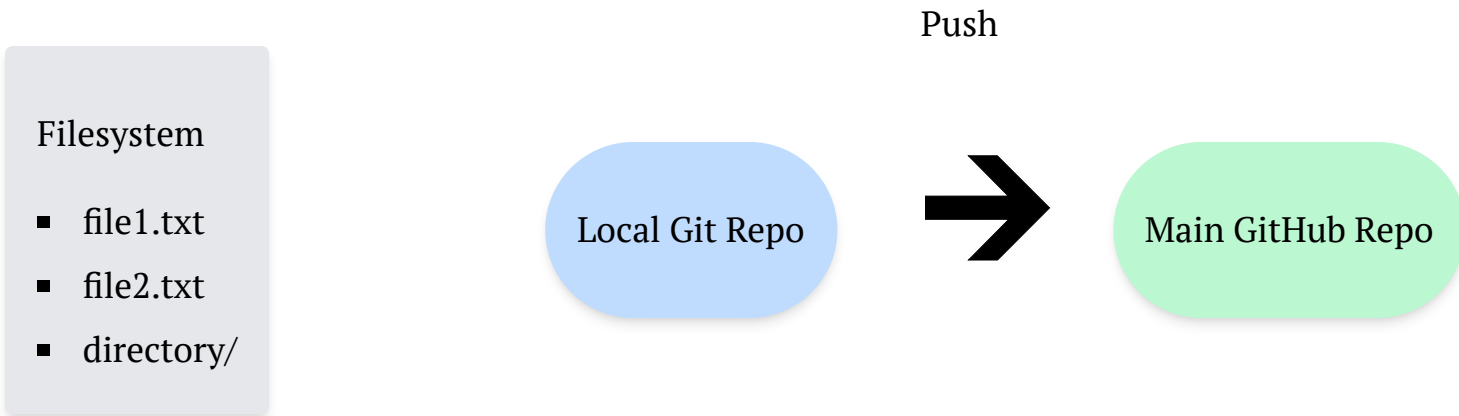
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Main GitHub Repo



# GitHub Workflow



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