

It's Alive!



- Your code lives for a purpose
- Team work product
- Continuous integration/Continuous Delivery
- Scripting and automation should not be ad-hoc and disposable

The Role of Source Control

Who changed something?

What did they change?

Can we roll it back?

Source control is not a back-up replacement

Source Control Concepts

Open file

Check out

Edit file

- Local changes
- Optional branch

Commit changes

- Log what was changed
- Log who made the change

Centralized vs Decentralized source control

- Check-In/Check-Out
- Access to source store

git

Wide-spread command-line source control tool

Developed to manage linux kernel development

Decentralized repositories

Install from https://git-scm.com/

- Winget
- Chocolatey
- Other package managers

There are graphical front-ends

- https://git-scm.com/download/gui/windows
- Integrated into VSCode
- Git related extensions



GIT BASICS

Show and Tell

GitHub

One repository for open-source projects

Free to use

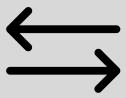
Based on git

Cloning vs Forking

Pull Requests



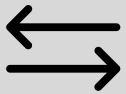






Clone a GitHub repository to your GitHub account

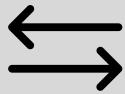






Clone from your GitHub repository to local desktop



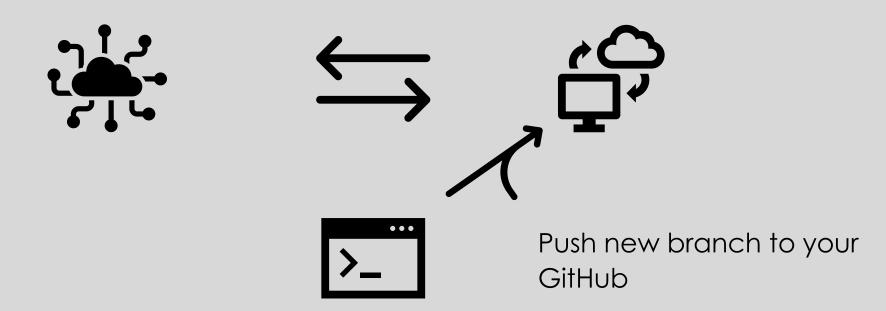






Edit locally

New branch









Submit a Pull Request to the original repository

GITHUB BASICS

Show and Tell



Questions & Answers