### Introduction to Git



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ionpetro

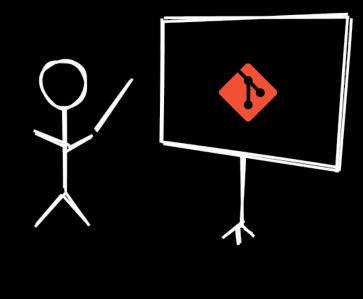
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#### Reason





What is git

**Open Source** Distributed **Version Control** System



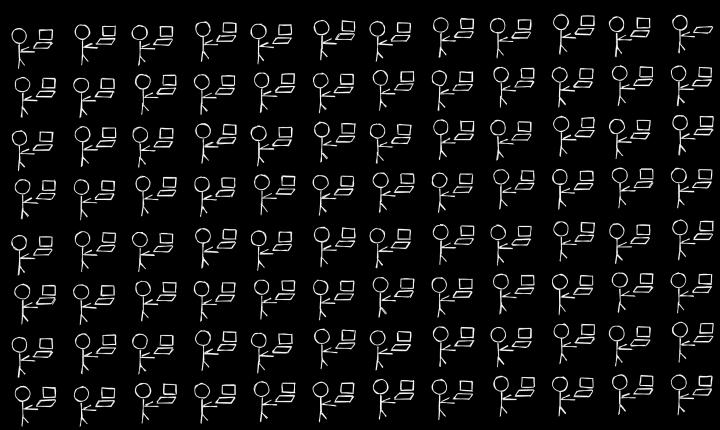
#### Value #example



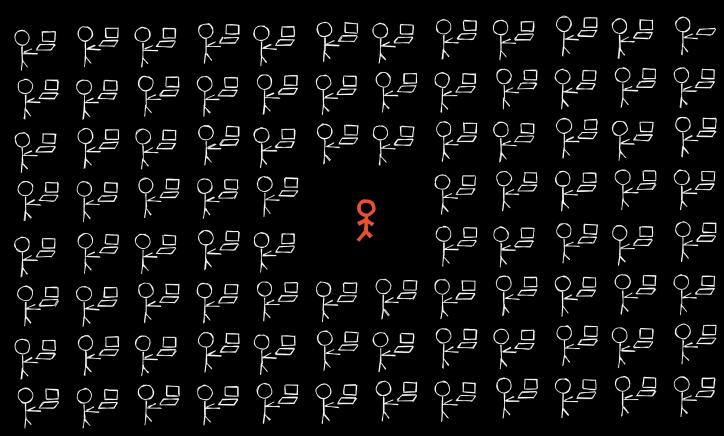




#### Value #1



#### Value #2





# Google ~2.000.000.000

lines of code

#### What is GitHub

### GitHub

(version control system)

(service for storing projects and cooperating with developers)

#### What is GitHub

### Let's explore



#### Difference

Git: version control system, a tool to manage your source code history.

GitHub: hosting service for Git repositories.

So they are not the same thing:

#### Git is the too

GitHub is the service for projects that use Git.

#### **Git Tools**







Terminal (linux & MacOs)







Git plugins for IDEs

#### Why terminal?



+ Fast & Furious (I came up with this)

Non dependant to OS

#### **Terminology**

Repository: Development Environment (remote and local)

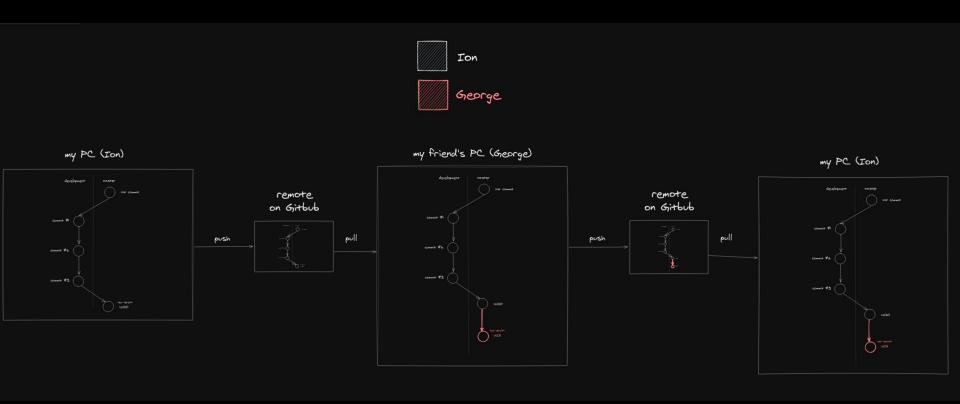
Commit: Add a change to repository (code, media, documentation)

Branch: Independent line of development (usually different branch per feature)

Merge: Get changes from one branch to another

Pull Request: Request a branch merge

#### **Basic Concepts**



#### Workshop

```
git clone repo.git
cd repo
touch file.txt
git add file.txt
git commit -m "my title"
git push origin main
git branch develop
git checkout development
touch file.txt
git add file.txt
git commit -m "new file"
git push -u origin develop
```

#### Test time

### 00:00:30

### What is Git?

- 1. Version Control System
- 2. Database Architecture
- 3. Software Methodology
- 4. I don't even know what are you talking about

#### Test time #2

# Is git essential?

- 1. Nahhh
- 2. Maybe
- 3. Very much
- 4. I am just here due to quarantine 📤

## How we merge?

- 1. Pull Request
- 2. Push commit
- 3. I need a revision 😕

#### Resources

- https://git-scm.com/
- https://ohshitgit.com/
- https://learngitbranching.js.org/
- https://www.atlassian.com/git/tutorials

# Thankyou

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