Git manage changes of documents, computer programs or projects or information.

Install&setup

1.Install

Linux: sudo apt install git

Windows, Mac: download at git-scm.com

User setup

-git config –global user.name “name”

-git config –global user.email “e-mail”

Git branch : list, create delete branch

[-d] “branchname” : delete branch

Git check out : checkout a branch or paths

“branchname” : switch to branch

-b “newbranch” : create branch and switch

Git merge : join two or more branches (can make conflict)

“branchname” : Reply the change of branch on top of current branch

Git rebase : change original branch tree to new one

Git log : show commit logs

-p : show all changes at each commit

--stat : Show statistics about modified files at each commit

--name-only : Show only modified file name at each commit

--relative-date : Show commit log with relative date

--graph : Draw a text-based graphical representation of the commit history

Remote repository

Git remote : Link local repository and remote repository

-v : check the connection with local and remote repository

Add " name" "url" : Add a remote named "name" for the repository at "url"

Git diff : show changes between local and remote

Git push: push local repository contests to remote repository

"repository" : destination(name or url)

gitignore : Ignore auxiliary files such as logs, input, output data

generate automatically at https://www.gitignore.io/

git clone : copy remote repository to local repository

git pull : fetch and integrate contents from remote repository

"repository" : name or url of remote repository

Git fetch : fetch contents from remote repository (merge needed)

"repository" : name or url of remote repository