

Git

Create git repository:

Create dir
Git init
Git add . => untrack files
Git clone address
Git commit -m "message"
Change => add => staged => commit

History:

Git log => show history of commits

Local changes:

Git status
Git diff Head => show all changes from last commit
Git diff --staged => show all changes for staged files
Git reset filename => unstaged changes(cancel add)
Git checkout --filename => remove changes(cancel changes)

Branch:

Git branch => show branches
Git branch branchname => create branch
Git checkout branchname => switch branch
Git branch -d branchname => delete branch
Git merge branchname => merge branchname with master

Remote:

Git remote
Git remote add origin(name) https://(address)
=> add remote
Git remote -v => get information
Git push origin master

Tag:

Git tag -a v2.0 -m "first version"
=> add tag on last commit
Git tag -a v1.8 d22..(commit)
=> choose commit in git log
Git show v2.0
Git push origin --tags
Git checkout v2.0 => work on v2.0

Gpg key:

Install gpg => git let you sign =>
Have public and private key => every messages send with public key only can seen by private key
gpg --gen-key => generate key
gpg --list-keys => show all keys
Git config --global signingkey => show signingkey
gpg --list-secret-keys --keyid-format LONG => Show all your keys
Git config --global user.signingkey (signingkey)
Git tag -s v2.0 -m "message" => sign
Git commit -S -m "message" => sign

Blame:

Git blame filename -L8 => show all history of line 8 in filename/-L8,10 => line 8 to 10
Git blame filename => show all line's history

Bisect:

Git bisect start
Git bisect bad => this situation is bad
Git bisect good commitcode