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Overview

Why do we need to share our code?

Why we need a VCS?

How does it work?

What do I use



Why do NOT share code?

"The proof is too ugly to show anyone else"

"I didn't work out all the details"

"Giving the proof to my competitors would be unfair to me"

"Other researchers could think I am not a good programmer"

"Someone finds an error in the code so my results are wrong"



Why do we need to share our code?

Speed up development process

Have better and more stable software

Have the same results/metrices

Save a lot of time for important stuff

Help others to build upon your research



Why we need a VCS?

File versioning
Check-in / Check-out
Branching

Merging

Multiple users working on a project and just a myriad of other benefits

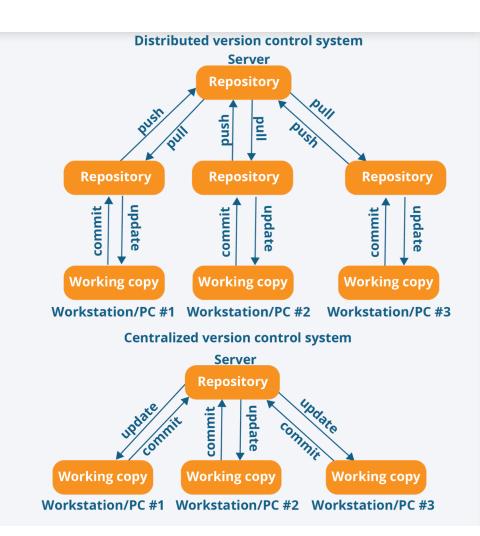


How does it work?

Two types of VSC

Centralized (SVN)

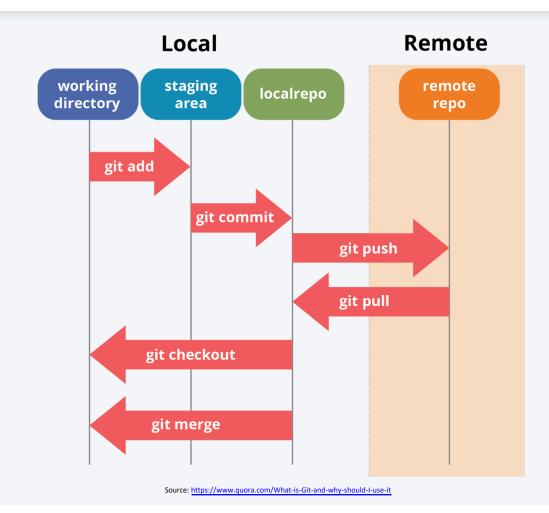
Distributed (Git)



Source: https://www.quora.com/What-is-Git-and-why-should-l-use-it



How does git work?



Reality



Source: https://imgs.xkcd.com/comics/git.png



Commands

Git status

Git add

Git commit

Git push

Git pull

Git checkout



What do I use?

Git













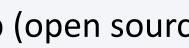
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