Git tutorial

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Friday 13th, 2019 Uppsala



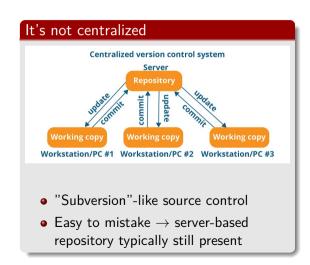
Outline

- What is version control?
- What is Git?
- Why does it matter?
- Hands on tutorial

What is version control?

- Keep history of changes during code development
- Maintain a (server-based) code repository
- Coordinate joint work with other developers

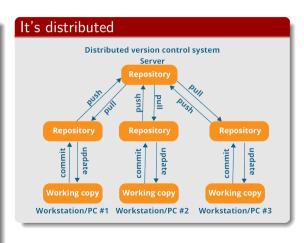
What is Git?



What is Git? And what is it not?

It's not centralized Centralized version control system Server Workstation/PC #1 Workstation/PC #2 Workstation/PC #3 "Subversion"-like source control ullet Easy to mistake o server-based

repository typically still present



Why does that matter?

- The basic workflow includes a few extra steps
- Additional conflict potential
- It's possible to work offline
- Many nuanced differences, not so important here

It may not always have been the best, but it is probably the most common version control system today.

On to the tutorial!



Future topics

- C++ pointers: What are they (good for)?
- Script vs compiled program: A top-level view for newcomers
- Pseudo-code: Disseminating algorithms

