Git

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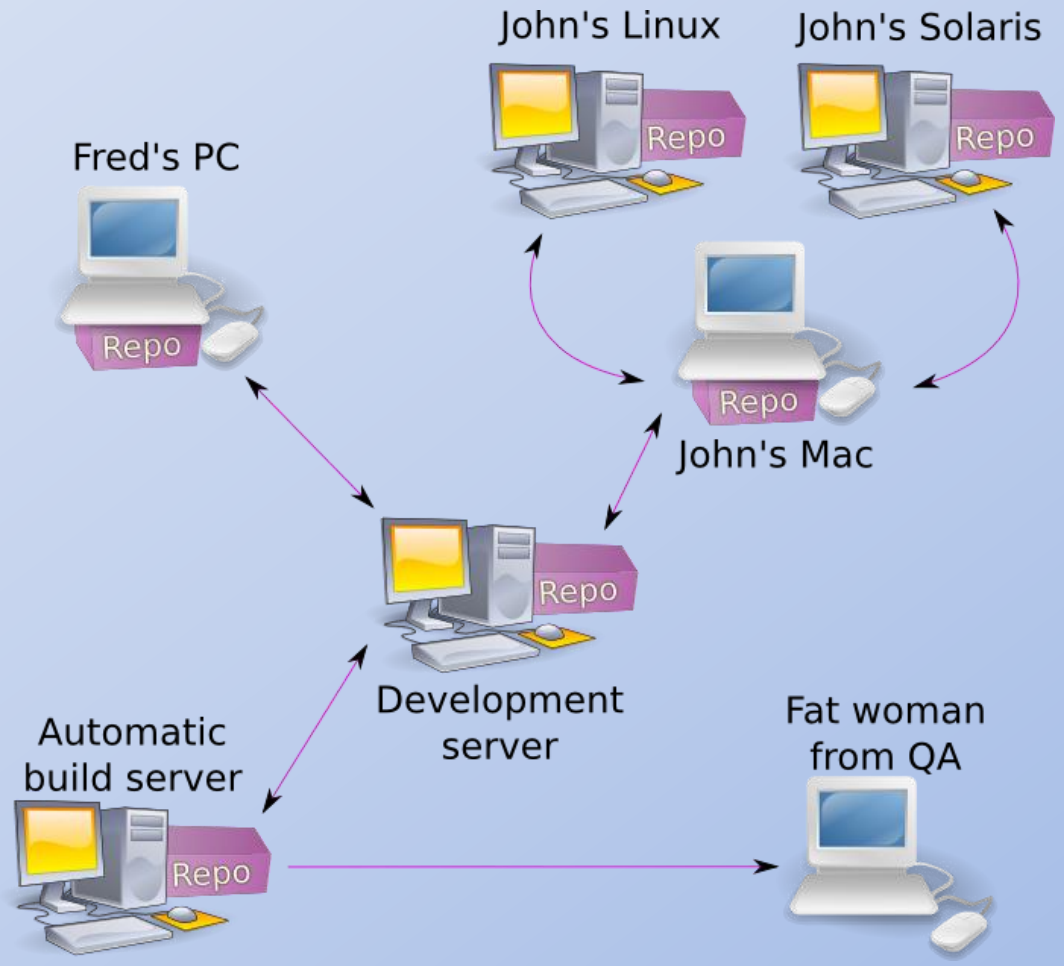
- What's it?
  - A distributed source code control system.
- Why you need to use it, even you don't work for a team?
  - I could help you manage you source code. Ex. Find your developed history.
- Who is the creator?
  - Linus Torvalds, he is also the creator of Linux.

distributed source code control system?



Git command

- # git clone
  - Cloning a Repository
- # git pull
  - Fetch from and merge with another repository(repo.)
- # git add
  - Add file to repo.
- # git rm
- # git status
- # git commit
  - Record changes to repo.
- # git push
  - Update to remote repo.
- # git branch
- # git checkout [branch name]

Free Git Internet Storage

- https://github.com/
  - All free space will be public.
  - You have to pay for private space.
- https://bitbucket.org/
  - You can have public and private space for free.
  - But you when you want to use private project to collaborate with 4 accounts, all accounts need pay for this.

Create Your Local Repo.

- Setup: git config --global core.editor "vim"
- # git init
- Add some source code to your initial directory
  - svn checkout http://svn.asterisk.org/svn/asterisk/trunk asterisk
- # git add .
- # git commit –m ‘[your message]’

The Strength of Git: Branch

- Open new Branch:
  - # git branch [new name of branch] ([existed branch])
  - # git checkout -b [new name of branch] ([existed branch])
- Show Branch:
  - # git show-branch
- Switch Brach:
  - # git checkout [existed branch]
- Delete Branch:
  - # git branch -d [existed branch]

Other

- Merge Different Branch
  - # git merge [branch1]
- Difference:
  - # git diff
- Grep:
  - # git grep