The Hitchhiker's Guide To Computer Science

Sessie 4

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WINAK

Dinsdag 18 oktober 2016

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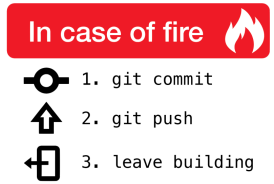
Inhoudsopgave

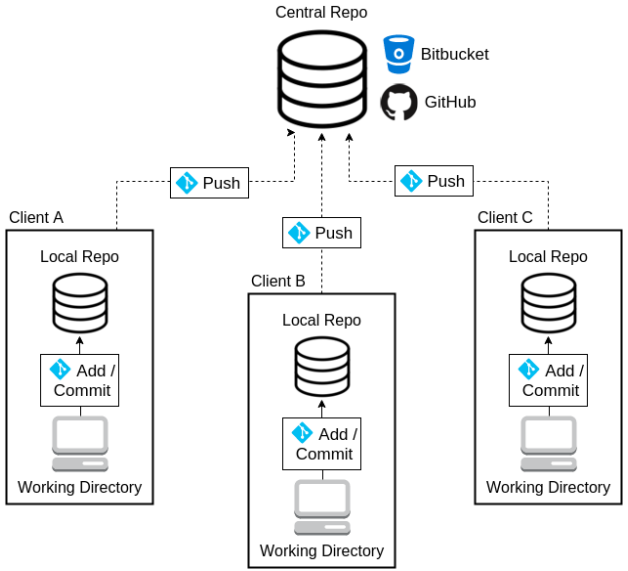
Git

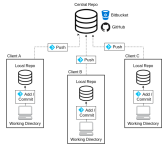
- Collaborate
- Version Control
- Open Source
- Tutorial



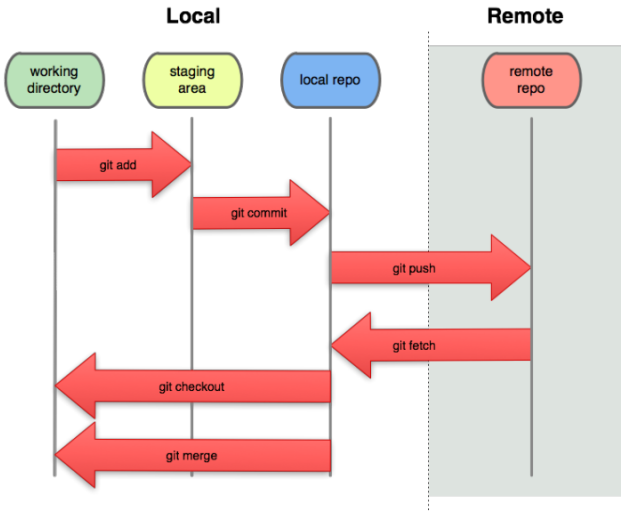
Git

Workflow I


Central Repo
Bitbucket
GitHub
Push
Push
Push
Client A
Local Repo
Add / Commit
Working Directory
Client B
Local Repo
Add / Commit
Working Directory
Client C
Local Repo
Add / Commit
Working Directory



Workflow II


Local
Remote
working directory
staging area
local repo
remote repo
git add
git commit
git push
git fetch
git checkout
git merge

Commands

git init	Makes a new local repository
git clone [remote url]	Clones into a remote repository
git fetch	Gets content from remote repo to local repo
git merge	Merges local repo with working directory
git fetch	Shortcut for git fetch and git merge
git add [file]	Puts file in the staging area
git commit	Bundles files in staging area and sends them to local repo
git push	Sends content from local repo to remote repo

Remember: **man git [option]**

Demo

Merge Conflicts

Branches

LaTeX

- Word processor
- Word, Powerpoint, ... $\Leftrightarrow$ LaTeX
- WYSIWYG **W**hat **Y**ou **S**ee **I**s **W**hat **Y**ou **G**et
- "la-tech" $X = \chi$

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- Word, Powerpoint, ... $\Leftrightarrow$ LaTeX
- WYSIWYG **W**hat **Y**ou **S**ee **I**s **W**hat **Y**ou **G**et
- "la-tech" $X = \chi$

Getting Started

```
\documentclass[a4paper]{article}

% preamble

\begin{document}
        % content

\end{document}
```


\documentclass[a4paper]{article}
% preamble
\begin{document}
% content
\end{document}

Demo

Planning

27 Sep	Blackboard - SiSa - Email - Lessenrooster - WINAK - Printen - Cursusdienst
04 Okt	Dual Boot - Virtual Box (practicum)
11 Okt	Linux tools - VIM - Nano - IDEs
18 Okt	Git - LaTeX
25 Okt	Student Pack - Office - SSH/SFTP - Studento - Make
08 Nov	Extra?

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