



The  
Hitchhiker's  
Guide To CS

# The Hitchhiker's Guide To Computer Science

## Sessie 4

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# Inhoudsopgave

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# Git

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- ▶ Collaborate
- ▶ Version Control
- ▶ Open Source
- ▶ Tutorial 



**In case of fire**



1. git commit



2. git push

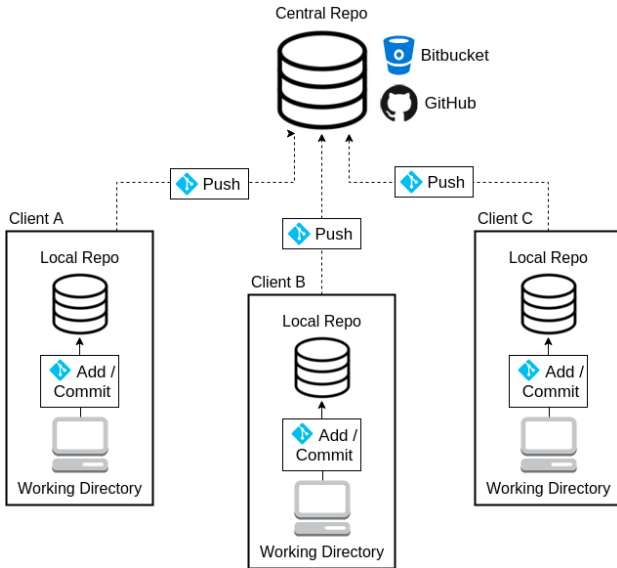


3. leave building



# Workflow I

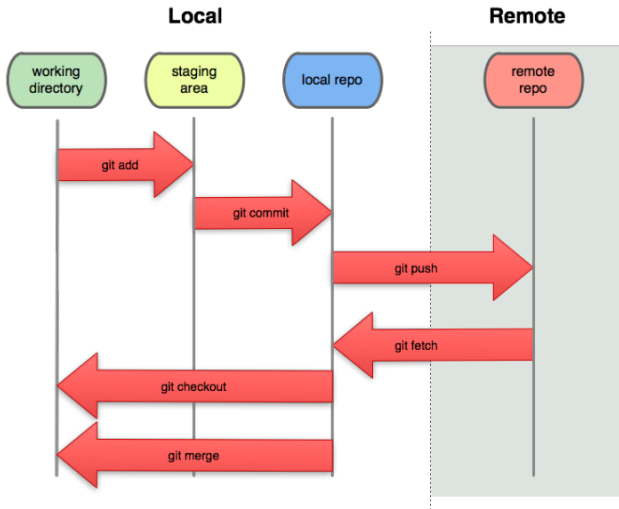
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## Workflow II

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# Commands

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**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

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# Merge Conflicts

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# Branches

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



# Getting Started

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



# Demo

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# Planning

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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

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25 Okt    Student Pack - Office - SSH/SFTP - Studento -  
              Make

08 Nov    Extra?