

# Versionsverwaltung mit Git

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## Warum git?

```
objc[80911]: Class JavaLaunchHelper is implemented in both
Exception in thread "main" java.io.FileNotFoundException: /
    at java.io.FileInputStream.open0(Native Method)
    at java.io.FileInputStream.open(FileInputStream.java:195)
    at java.io.FileInputStream.<init>(FileInputStream.java:261)
    at java.io.FileInputStream.<init>(FileInputStream.java:261)
    at java.io.FileReader.<init>(FileReader.java:58)
    at explorekit.Program.main(Program.java:37)
```

Process finished with exit code 1

# Warum git?

This is pdfTeX, Version 3.14159265-2.6-1.40.17 (TeX Live 20

## Warum git?

```
This is pdfTeX, Version 3.14159265-2.6-1.40.17 (TeX Live 20
restricted \write18 enabled.
entering extended mode
(./test.latex
LaTeX2e <2016/03/31>
Babel <3.9r> and hyphenation patterns for 83 language(s) lo
! Undefined control sequence.
l.1 \hypertarget
           {gliederung}{%
?

! LaTeX Error: Missing \begin{document}.

See the LaTeX manual or LaTeX Companion for explanation.
Type H <return> for immediate help.
...
```

# Warum git?

- ▶ “Snapshots” wichtiger Zwischenergebnisse - *commits*
- ▶ Backups - *remotes*
- ▶ Fehler finden oder rückgängig machen - *checkout, diff*
- ▶ strukturierte Kollaboration

# git basics

```
git init
git status
git add # bzw. git reset
git commit -m "Did some stuff"

git log
git diff
git checkout
```