

GIT and version control

What is versions control and git?

- It help to manage versions and changes of files
 - What is changes
 - When was it changed
 - Who changed it
 - Why was it changes
- Keeps track of changes in files ([Video](#))
- Everybody (nearly) needs version control
- What is Git ([video](#))
 - Git is an open source, distributed version control system

Download, install and configure ([video](#))

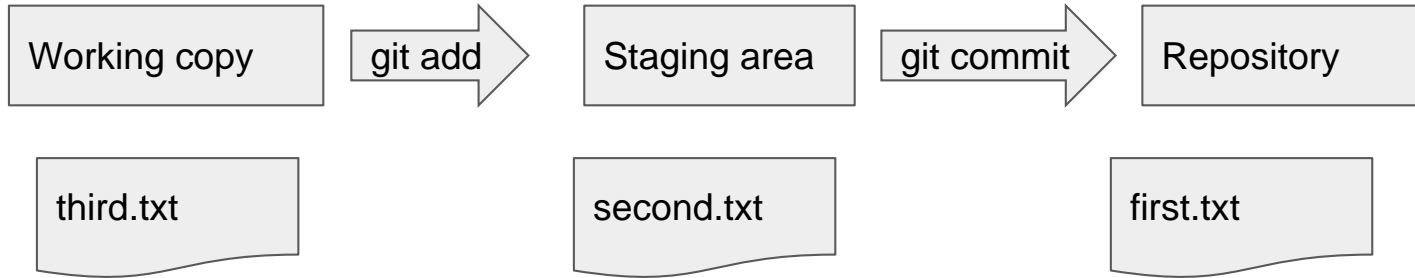
Go to <https://git-scm.com/downloads> and install

Click use GIT from Git Bash and open it.

- Get the version
 - Command: `git --version`
- Config the username and email
 - Command: `git config --global user.name "Poul Henriksen"`
 - Command: `git config --global user.email "pohe@easj.dk"`
 - Command: `git config --list`
- Help
 - Command: `git help`
 - Command: `git help topic`

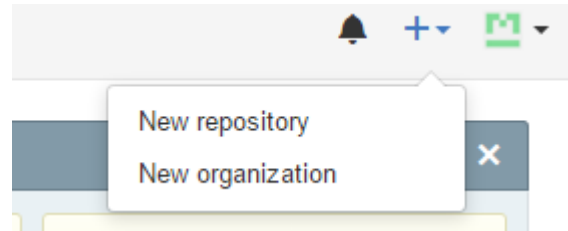
```
POHE@EASJ3107 MINGW64 /
$ git config --list
core.symlinks=false
core.autocrlf=true
color.diff=auto
color.status=auto
color.branch=auto
color.interactive=true
help.format=html
http.sslcainfo=C:/Program Files/
sendemail.smtpserver=/bin/msmt
diff.astextplain.textconv=astext
rebase.autosquash=true
user.name=Poul Henriksen
user.email=pohe@easj.dk
core.autocrlf=true
core.excludesfile=C:\Users\EASJ\
```

Adding files and workflow




GitHub = Repository ([video introduction](#))

- Is a hosted repository service ([github help](#))
- Makes projects public
 - People can push and pull code to a common project
- Can work together on a project
 - Can collaborate on a project
 - Social coding
- Setup a Github account (www.github.com)
- Create a repository ([video](#))
- Can be public or private (need to pay then)

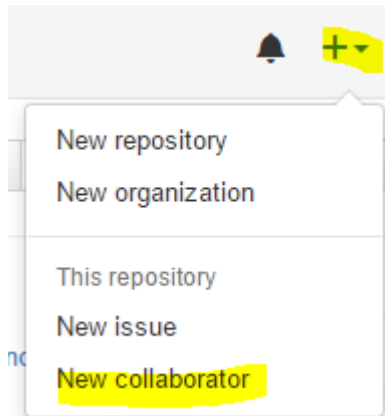


Owner Repository name

 pohe ▾ / ✓

Contributing to a project - Collaborator ([video](#))

- Collaborator
 - You can add a collaborator to a project in Github
 - Can make any changes to the project
 - Don't have to make pull requests



Search by username, full name or email address

Add collaborator

Github and Visual Studio

- Install Github extensions

<https://visualstudio.github.com/>

- Tutorial (install Git, extension, create github, repository, commit ...)

<https://docs.google.com/document/d/1MBBtm1i89dRlftKLpzqeGwN0778zTykYqAHhDBtTBk/edit> -- Tak til Poul Henriksen