



Exercise 3


Remote Repository

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

Required fields are marked with an asterisk (*).

Owner *

 Jaspher0209

Repository name *

/ konfig

✔ konfig is available.

Great repository names are short and memorable. Need inspiration? How about [stunning-parakeet](#) ?

Description (optional)

Konfigurationsmanagement

☒ Public

Anyone on the internet can see this repository. You choose who can commit.

☐ Private

You choose who can see and commit to this repository.

Initialize this repository with:

☒ Add a README file

This is where you can write a long description for your project. [Learn more about READMEs.](#)

Add .gitignore


.gitignore template: None

Choose which files not to track from a list of templates. [Learn more about ignoring files.](#)

Choose a license

License: None

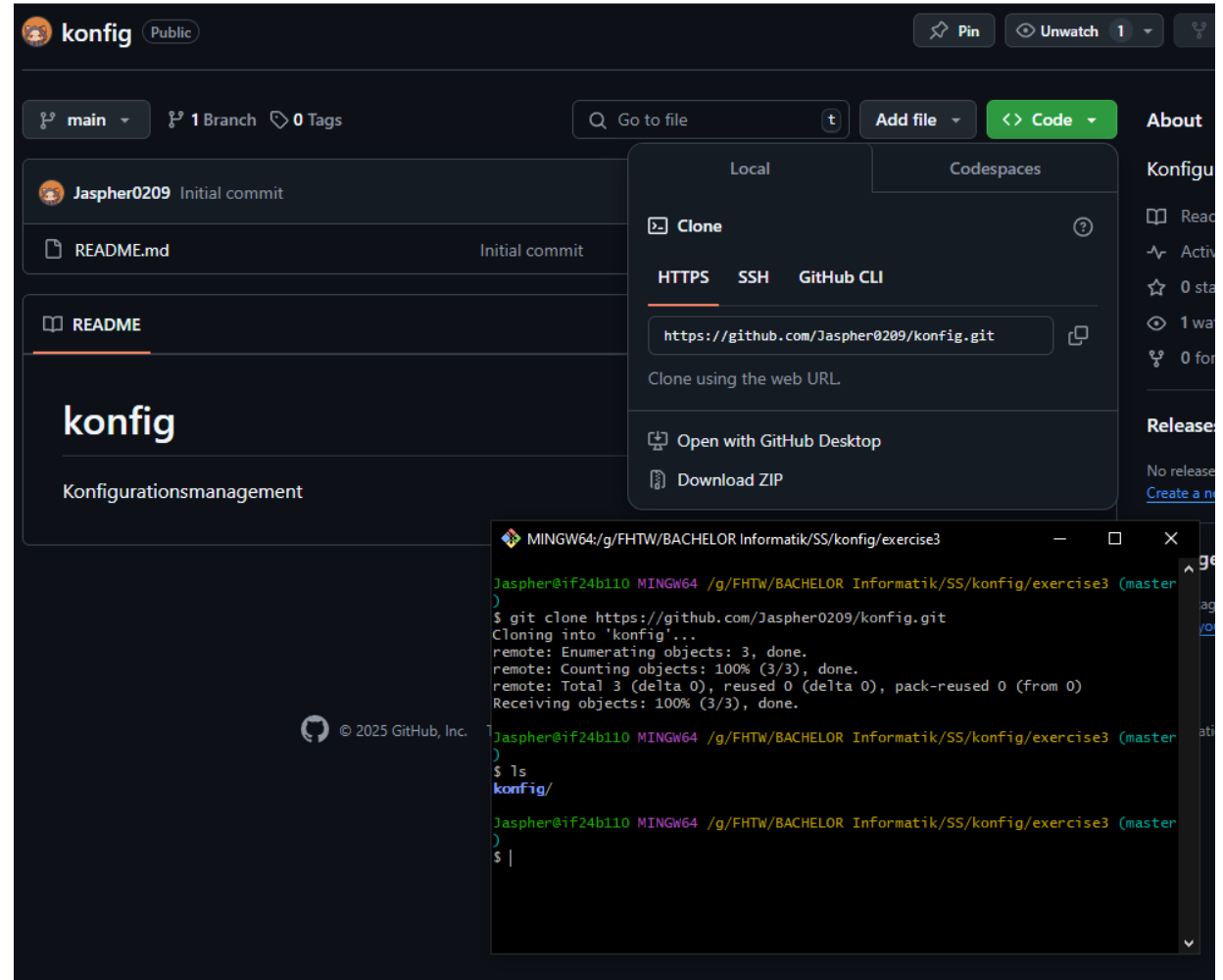
A license tells others what they can and can't do with your code. [Learn more about licenses.](#)

This will set  main as the default branch. Change the default name in your [settings](#).

① You are creating a public repository in your personal account.

Create repository

Cloning



The screenshot displays the GitHub interface for the 'konfig' repository, which is public and has 1 branch and 0 tags. The 'Clone' dropdown menu is open, showing options for cloning via HTTPS, SSH, or GitHub CLI. The HTTPS URL is `https://github.com/Jasper0209/konfig.git`. Below the menu, the repository name 'konfig' and its description 'Konfigurationsmanagement' are visible. In the foreground, a terminal window shows the command `git clone https://github.com/Jasper0209/konfig.git` being executed successfully, cloning the repository into a directory named 'konfig'.

```
Jasper@if24b110 MINGW64 /g/FHTW/BACHELOR Informatik/SS/konfig/exercise3 (master)
$ git clone https://github.com/Jasper0209/konfig.git
Cloning into 'konfig'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (3/3), done.
Jasper@if24b110 MINGW64 /g/FHTW/BACHELOR Informatik/SS/konfig/exercise3 (master)
$ ls
konfig/
Jasper@if24b110 MINGW64 /g/FHTW/BACHELOR Informatik/SS/konfig/exercise3 (master)
$ |
```

Cloning

```
Jasper@if24b110 MINGW64 /g/FHTW/BACHELOR Informatik/ss/konfig/exercise3/konfig (main)
$ git log
commit b256235e0a82927938ebdfb61cd56cecd41642ae (HEAD -> main, origin/main, origin/HEAD)
Author: Jasper Gröstenberger <77381426+Jasper0209@users.noreply.github.com>
Date: Tue Mar 11 16:33:24 2025 +0100

    Initial commit
```

- commit b2562..... -- ist der commit hash (eindeutig)
- HEAD -> main – aktueller Branch auf main
- origin/main – remote-repository(origin) hat auch ein main
- origin/HEAD – Standard-Branch d. RemoteRepository zeigt auf main
- Author – der Ersteller des Repositorys
- Initial commit – Commit Nachricht

Add remote

```
Jasper@if24b110 MINGW64 /g/FHTW/BACHELOR Informatik/ss/konfig/exercise3
$ mkdir otherdir

Jasper@if24b110 MINGW64 /g/FHTW/BACHELOR Informatik/ss/konfig/exercise3
$ git init otherdir
Initialized empty Git repository in G:/FHTW/BACHELOR Informatik/SS/konfig/exercise3/otherdir/.git/
```


```
Jasper@if24b110 MINGW64 /g/FHTW/BACHELOR Informatik/ss/konfig/exercise3/otherdir
$ echo "# GitLab-Project" > README.md
```

```
Jasper@if24b110 MINGW64 /g/FHTW/BACHELOR Informatik/ss/konfig/exercise3/otherdir (master)
$ git add README.md
warning: in the working copy of 'README.md', LF will be replaced by CRLF the next time Git touches it

Jasper@if24b110 MINGW64 /g/FHTW/BACHELOR Informatik/ss/konfig/exercise3/otherdir (master)
$ git commit -m "Initial commit"
[master (root-commit) fbb651f] Initial commit
1 file changed, 1 insertion(+)
create mode 100644 README.md
```

Add remote

K

konfig3  Free

Edit ▾ Code ▾

The repository for this project is empty
To get started, clone the repository or upload some files.

Command line instructions

You can also upload existing files from your computer using the instructions below.

Configure your Git identity

[Get started with Git](#) and learn [how to configure it](#).

Local Global

Git local setup

Configure your Git identity locally to use it only for this project:

```
git config --local user.name "Jasper Gröstenberger"
git config --local user.email "jaspergs@gmail.com"
```

Add files

Push files to this repository using SSH or HTTPS. If you're unsure, we recommend SSH.

SSH HTTPS

[How to use SSH keys?](#)

Add remote

```
Jasper@if24b110 MINGW64 /g/FHTW/BACHELOR Informatik/ss/konfig/exercise3/otherdir (master)
$ git remote add origin https://gitlab.com/bif6441311/konfig3.git

Jasper@if24b110 MINGW64 /g/FHTW/BACHELOR Informatik/ss/konfig/exercise3/otherdir (master)
$ git remote -v
origin https://gitlab.com/bif6441311/konfig3.git (fetch)
origin https://gitlab.com/bif6441311/konfig3.git (push)

Jasper@if24b110 MINGW64 /g/FHTW/BACHELOR Informatik/ss/konfig/exercise3/otherdir (master)
$ git branch -M main

Jasper@if24b110 MINGW64 /g/FHTW/BACHELOR Informatik/ss/konfig/exercise3/otherdir (main)
$ git pus -u origin main
git: 'pus' is not a git command. See 'git --help'.

The most similar commands are
    push
    pull

Jasper@if24b110 MINGW64 /g/FHTW/BACHELOR Informatik/ss/konfig/exercise3/otherdir (main)
$ git push -u origin main
info: please complete authentication in your browser...
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 235 bytes | 117.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://gitlab.com/bif6441311/konfig3.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
```

New files (otherdir)




```
Jaspher@if24b110 MINGW64 /g/FHTW/BACHELOR Informatik/ss/konfig/exercise3/otherdir (main)
$ echo "Hello World from other dir" >> text_otherdir.txt


Jaspher@if24b110 MINGW64 /g/FHTW/BACHELOR Informatik/ss/konfig/exercise3/otherdir (main)
$ vi text_otherdir.txt

Jaspher@if24b110 MINGW64 /g/FHTW/BACHELOR Informatik/ss/konfig/exercise3/otherdir (main)
$ git add text_otherdir.txt
warning: in the working copy of 'text_otherdir.txt', LF will be replaced by CRLF the next time Git touches it



Jaspher@if24b110 MINGW64 /g/FHTW/BACHELOR Informatik/ss/konfig/exercise3/otherdir (main)
$ git commit -m "first commit"
[main 61ffca2] first commit
1 file changed, 1 insertion(+)
create mode 100644 text_otherdir.txt

Jaspher@if24b110 MINGW64 /g/FHTW/BACHELOR Informatik/ss/konfig/exercise3/otherdir (main)
$ git push -u origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 297 bytes | 148.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://gitlab.com/bif6441311/konfig3.git
   fbb651f..61ffca2  main -> main
branch 'main' set up to track 'origin/main'.
```


 **konfig3**  Free 


 main


konfig3


 



Find file


Edit 

Code 

 **first commit**
Jaspher authored 3 minutes ago

61ffca23  History

Name	Last commit	Last update
 README.md	Initial commit	58 minutes ago
 text_otherdir.txt	first commit	3 minutes ago

 README.md

GitLab-Project

New files (konfig)

```
Jaspher@if24b110 MINGW64 /g/FHTW/BACHELOR Informatik/ss/konfig/exercise3/konfig (main)
$ echo "Hello World!" >> text_konfig.txt

Jaspher@if24b110 MINGW64 /g/FHTW/BACHELOR Informatik/ss/konfig/exercise3/konfig (main)
$ git add text_konfig.txt
warning: in the working copy of 'text_konfig.txt', LF will be replaced by CRLF the next time Git touches it

Jaspher@if24b110 MINGW64 /g/FHTW/BACHELOR Informatik/ss/konfig/exercise3/konfig (main)
$ git commit -m "First commit"
[main 0de15d4] First commit
1 file changed, 1 insertion(+)
create mode 100644 text_konfig.txt

Jaspher@if24b110 MINGW64 /g/FHTW/BACHELOR Informatik/ss/konfig/exercise3/konfig (main)
$ git push -u origin main
info: please complete authentication in your browser...
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 298 bytes | 99.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Jaspher0209/konfig.git
   b256235..0de15d4  main -> main
branch 'main' set up to track 'origin/main'.
```

