

## git on windows

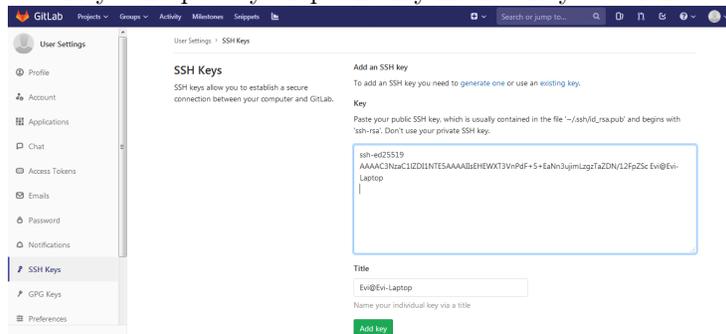
Download Git for Windows (Git Bash) from <https://git-scm.com/download/win>. You can use all default configurations, but might want to change the text editor, from vim to some other editor, e.g. nano.

Follow the instructions on <https://gitlab2.cip.ifi.lmu.de/help/ssh/README#generating-a-new-ssh-key-pair>: open GitBash and type the following commands:

```
Evi@Evi-Laptop MINGW32 ~
$ ssh-keygen -t ed25519
Generating public/private ed25519 key pair.
Enter file in which to save the key (/c/Users/Evi/.ssh/id_ed25519):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /c/Users/Evi/.ssh/id_ed25519.
Your public key has been saved in /c/Users/Evi/.ssh/id_ed25519.pub.
The key fingerprint is:
SHA256:jyuJtjx5NYKeRzGX8az8WvP152pC4PsFr2e7yDNSu5E Evi@Evi-Laptop
The key's randomart image is:
+--[ED25519 256]--+
|
|      .
|      =
|     o o +
|    . =So ..
|   . o =o. o+
|  . = +.o++E.+
| .B = o++=B+ .|
|.o= .o. oB0=*.|
+-----[SHA256]-----+
Evi@Evi-Laptop MINGW32 ~
$ cat ~/.ssh/id_ed25519.pub | clip
```

Just type enter three times in order to use the default location and no passphrase. The last command will copy the generated public key to the clipboard.

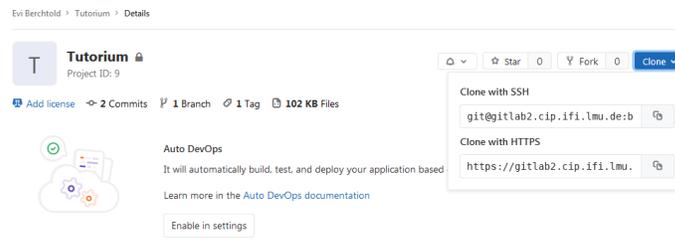
Add your public SSH key to your GitLab account by clicking your avatar in the upper right corner and selecting Settings. From there on, navigate to SSH Keys and paste your public key in the "Key" section.



Now use the Windows Explorer to navigate to the directory that should contain your git repository. Right-click in the folder and select the 'Git Bash here' Option.



In the browser, select your git project and copy the clone link for the ssh option:



Then, in the Git Bash console type `git clone` Shift+Ins/Einfg (to paste the copied link). This will clone your repository to this working directory. You can now use the same commands as on linux to add/commit/push/pull/... files.

```
Evi@Evi-Laptop MINGW32 ~/Documents/test
$ cd tutorial/

Evi@Evi-Laptop MINGW32 ~/Documents/test/tutorial (master)
$ git add blub.txt

Evi@Evi-Laptop MINGW32 ~/Documents/test/tutorial (master)
$ git commit -a -m "just another test"
[master 8299b1c] just another test
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 blub.txt

Evi@Evi-Laptop MINGW32 ~/Documents/test/tutorial (master)
$ git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 2 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 287 bytes | 57.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To gitlab2.cip.ifi.lmu.de:berchtolde/tutorial.git
 adcd123..8299b1c master -> master
```