## 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-Laptop M
$ 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:jyuJtjx5NYKeRzGX8az8WvPl52pC4PsFr2e7yDNSu5E Evi@Evi-Laptop
The key's randomart image is:
  -[ED25519 256]--+
             0+
            +F.-
             +=B+
          01
           oB0=
        . 0.
     [SHA256]---
 vi@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.

₩ GitLab Projects ~ Groups ~ Ac	tivity Milestones Snippets 🖿	🕒 🗸 Search or jump to 🔍 D 🕅 ピ 🛛 V 🌔 V	
User Settings	User Settings > SSH Keys		
Profile	SSH Keys SSH keys allow you to establish a secure	Add an SSH key To add an SSH key you need to generate one or use an existing key.	
Applications	comecum deniver your compose and oncos	Key Paste your public SSH key, which is usually contained in the file '-/.ssh\id, rsa.pub' and begins with 'ssh-rsa'. Don't use your private SSH key.	
Chat  Chat  Access Tokens		sóh-ed25519 AAAAC3NzaC1IZD11NTESAAAAIIIsEHEWXT3VnPdF+S+EaNn3ujimLzg=TaZDN/12FpZSc Evi@Evi-	
🖾 Emails		Tate	
Password     Notifications			
₽ SSH Keys			
₱ GPG Keys		Evi@Evi-Laptop Name your individual key via a title	
I Preferences		Add key	

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.

1			
Organisieren 🔻	In Bibliothek aufnehmen 🔻 Freigeben für 🔻 Neuer Ordner		
Name	Änderungsdatum Typ		
	Ansicht		
	Sortieren nach		
	Gruppieren nach   Aktualisieren		
	Ordner anpassen		
	Einfügen		
	Verknüpfung einfügen Umbenennen rückgängig machen Strg+Z		
	Sit GUI Here		
	📀 Git Bash Here		
	Freigeben für 🔸		

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

Evi Berchtold > Tutorium > Details					
T Tutorium A Project ID: 9		△ · ☆ Star 0 ¥ Fork 0 Clone ·			
🥵 Add license → 2 Commits 🖗 1 Branch 🛛 1 Tag 🕒 102 KB Files		Clone with SSH git@gitlab2.cip.ifi.lmu.de:b			
0	Auto DevOps	Clone with HTTPS			
	It will automatically build, test, and deploy your application based	https://gitlab2.cip.ifi.lmu. 🕒			
	Learn more in the Auto DevOps documentation				
	Enable in settings				

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 tutorium/
Evi@Evi-Laptop MINGW32 ~/Documents/test/tutorium (master)
$ git add blub.txt
Evi@Evi-Laptop MINGW32 ~/Documents/test/tutorium (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/tutorium (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/tutorium.git
adcd123..8299b1c master -> master
```