


git Installation and Setup

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 Want to learn git? Read this book: [📖 Git - Book](#)

Windows

Install git from [📦 Git - Downloading Package](#)

Linux

Install git and ssh

```
1 sudo apt-get update && sudo apt-get install -y git gitg meld ssh
```

Linux and Windows

You'll need a bash or gitbash terminal.

SSH Keys

In order to authorize your computer to access the private git repositories in GitHub you'll need to set up SSH keys on each computer that requires the access.

Generate keys

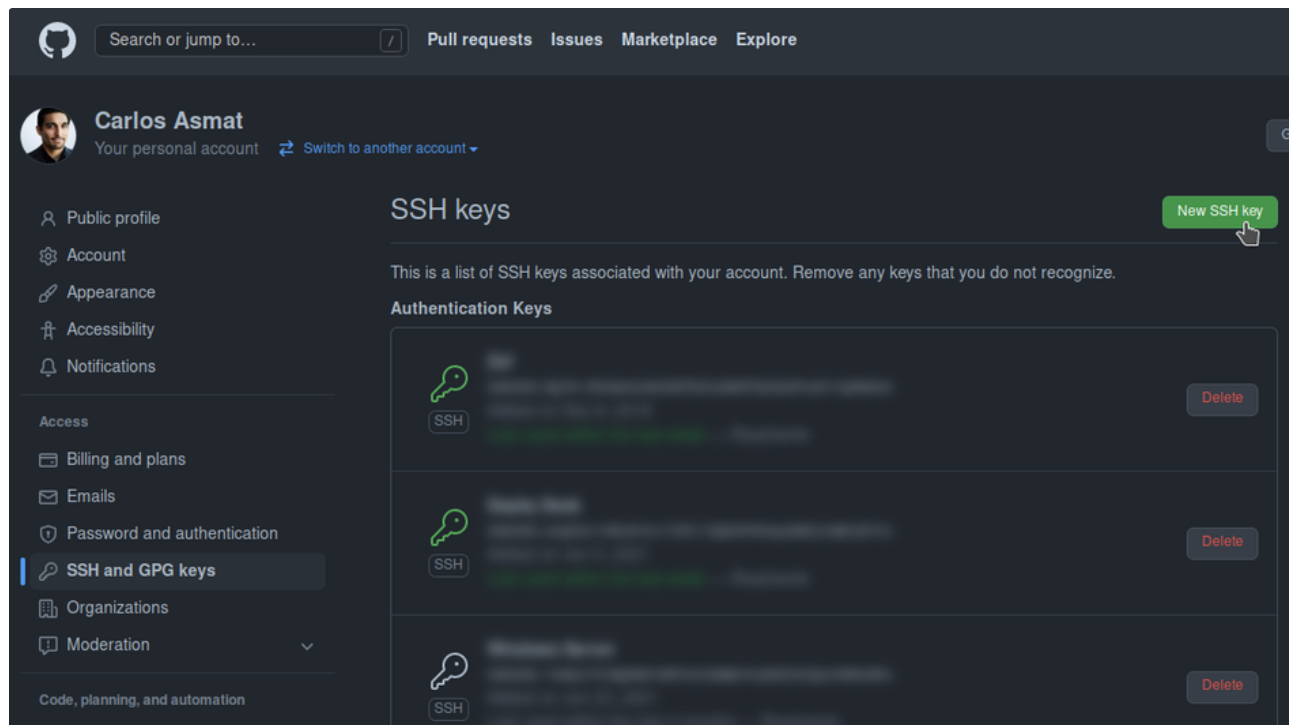
```
1 mkdir -p ~/.ssh
2 touch ~/.ssh/config
3 YOUR_EMAIL="ENTER YOUR DEPHY EMAIL HERE"
4 KEY_FILE=id_rsa_github
5 echo "IdentityFile $HOME/.ssh/$KEY_FILE" > ~/.ssh/config
6 ssh-keygen -t rsa -b 4096 -C $YOUR_EMAIL -f "$HOME"/.ssh/$KEY_FILE
```

Copy your public key to GitHub

Once the key is generated, you'll need to inform GitHub of its existence.

```
1 cat ~/.ssh/$KEY_FILE.pub
```

Copy the output of the command above and paste it under a new key in [GitHub](#).



Add a new SSH key

Paste the public key into a new key and name it accordingly (e.g. Dephy Laptop)

Configure git

Setup aliases (optional but recommended).

```
1 touch ~/.gitconfig
2 nano ~/.gitconfig
```

Paste this content into the .gitconfig file

```
1 [alias]
2     ck = checkout
3     cm = commit
4     s = status
5     p = pull
6     ps = push
7     scrub = reset HEAD --hard
8     flush = clean -f
9     supdate = submodule update --recursive
10    subck = submodule foreach git checkout
11    subp = submodule foreach git pull
12    subs = submodule status
13 [diff]
14     guitool = meld
15 [difftool]
16     prompt = false
```

Ctrl+x, y, Enter once you're ready to save and exit.

Set up your git email and name (this is used in your commits signatures).

```
1 git config --global user.email "$YOUR_EMAIL" #e.g. casmat@dephy.com
2 git config --global user.name "YOUR NAME" # e.g. Carlos Asmat
```

