

How to turn in using GitHub

Manage Git repositories





PREREQUISITES



If you are using the dump provided by the school, these prerequisites are already installed on your computer.

To be able to interact with GIT repositories you need to install a few things (preferably install them using your distribution repositories):

- Git
- OpenSSL



This document is mainly written for Linux users.
If you're using a different operating system, you may have some adaptations to make.

REGISTER TO GITHUB

[GitHub](#) is a platform used by millions of users to work and collaborate on projects, mainly related to software development, using Git repositories.

Most of your project (it is the default if not stated otherwise) will have to be turned-in a git repository created by ourselves hosted on [GitHub](#).

So first, create an account using your Epitech's email address.



If you already have an account on [GitHub](#), you can simply add your Epitech's email address to it



GENERATING A PAIR OF SSH KEYS

In order to authenticate yourself (in a better fashion) to [GitHub](#) servers, we **strongly** recommend you to use a pair of ssh key.

You need to generate a pair of **ssh keys** and upload your *public key* to [GitHub](#).

Here's some documentation about that:

- [Generating a pair of ssh keys](#)
- [Adding a new SSH key to your GitHub Account](#)

GITHUB'S ORGANIZATION

All your repositories related to Epitech projects will be grouped in an organization on Github. To access your repositories, you **must** be a part of this organization.

To join the organization, register to any project on the intranet. If it's the first project your registering to, you'll receive an invitation by email that you have to accept.



Before accepting the invitation, be sure that you're connected to **your** account on GitHub.

The invitation is valid for 7 days only, be sure to accept it quickly!

Once you've joined the organization, you have to authorize your SSH Key previously uploaded to GitHub to use Single Sign-On (SSO) with the organization. More information about that [here](#).

SETUP YOUR DIRECTORY

When registering to a project on the intranet, a repository will be setup automatically inside the GitHub organization.

Access will then be given to you and your teammates.

As for the organization, you'll receive an email containing the invitation to the repository used for the project and accept it.



Although it is generally very quick, it can take up to 1 hour between the registration on the intranet and the receiving of the invitation email.
After this delay, if you still haven't been invited to the repository, contact your local pedagogical team.

USE YOUR REPOSITORY

Once you have access to your repository on [GitHub](#), you can use it locally with classic Git commands. For instance, to clone the repository and thus having a local instance of it, go to your repository page on [GitHub](#), and click on the green “Code” button and copy the link to clone your repository using SSH.

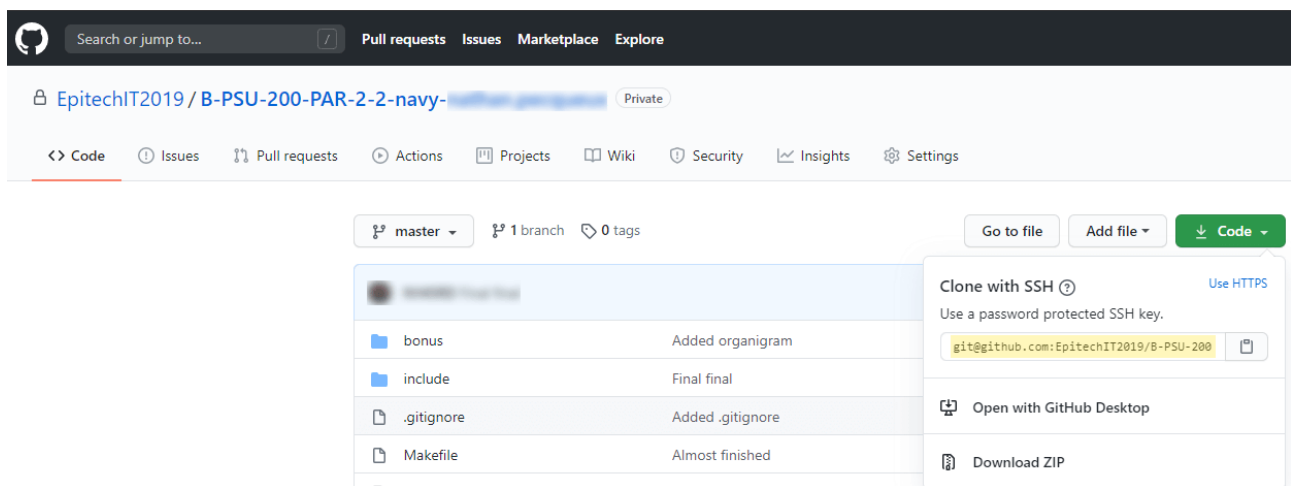
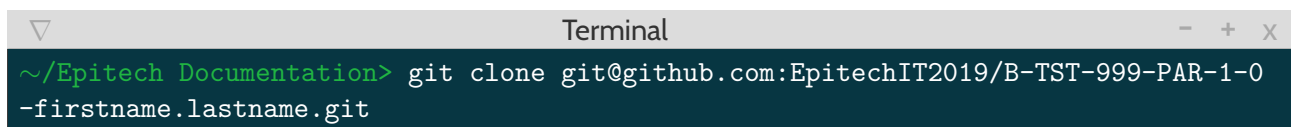


Figure 1: Clone with SSH link



In the previous command, replace the url by the one you copied from github.



For informations on Git and how to use it, please visit <https://try.github.io/>

If you have any problems, please contact a member of your local pedagogical team.