2025/10/29 14:01 1/3 GitLab User Documentation

# GitLab User Documentation

Welcome on the UNIGE GitLab documentation. You will find here all the information you need to use the UNIGE GitLab instance.

#### See:



- https://gitlab.unige.ch/help/user/index.md if you are looking for the upstream documentation of the UNIGE GitLab running instance.
- 2. https://catalogue-si.unige.ch if you need to contact the team behind GitLab.

## Access

gitlab.unige.ch is open to the whole Swiss educational audience via SWITCHaai (UNIGE members should use their ISIs credentials) and to any non-academic entity via SWITCH edu-ID (free registration required). For this reason, password authentication has been deactivated.

#### SSH

Git clone/push/pull are available:

- via SSH (see https://gitlab.unige.ch/help/ssh/README.md ) after either the user has added a key in the GitLab profile settings or one of the project administrators has set up a **Deploy Key** in the GitLab project interface (see https://gitlab.unige.ch/help/user/project/deploy\_keys/index.md )
- via HTTPS after the user has generated a **Personal Access Token** in the GitLab profile settings (see https://gitlab.unige.ch/help/user/profile/personal\_access\_tokens.md) or one of the project administrators has set up a **Deploy Token** in the GitLab project interface (see https://gitlab.unige.ch/help/user/project/deploy tokens/index.md)

### **Permissions**

Access to each resource is directly managed **per (sub)group or project** via the web interface (see https://gitlab.unige.ch/help/user/permissions).

To easy access management, you should think in a hierarchical terms from the very beginning:

- 1. create a top-level group with the least possible members (basically, only the administrators)
- 2. inside this group, create *sub-groups* or *projects* with specific permissions



Independently of the authentication source (SWITCHaai or SWITCH edu-ID), those users without a UNIGE mail address will automatically get an **external** account (see https://gitlab.unige.ch/help/user/permissions#external-users), which means that:

Last update: 2025/06/11 12:27



- 1. they can not create groups or projects
- 2. read access to private or internal projects must be explicitly granted
- 3. read access to public projects is permitted
- 4. write access to any project must be explicitly granted

# Resources

By default, the following settings apply to any *internal* users:

- 1. maximum number of projects: 20
- 2. maximum size of a single project: 100MB
- 3. maximum size of an attachment: 10MB
- 4. maximum size of a single git push: 1MB

Please contact the UNIGE GitLab administrators (see <a href="https://catalogue-si.unige.ch/gitlab">https://catalogue-si.unige.ch/gitlab</a> ) if you need more resources.



If you need to store **large** files such as audio, video or graphics ones, please consider switching to Git LFS!

# **Project visibility**

By default, each project is **private**, i.e. they can only be cloned and viewed by project members.

For more details, please check the corresponding section of the upstream documentation of the UNIGE GitLab instance.

#### **External resources**

Learn Git with a game: https://ohmygit.org/

Git Windows client

https://dataforum.unige.ch/t/recommended-git-client-for-gitlab-unige-account/322/2

SPC VCS courses https://spc.unige.ch/en/teaching/digitalskills/source-code-management-git/

You did something wrong with Git? This site may help you: https://ohshitgit.com/

2025/10/29 14:01 3/3 GitLab User Documentation

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Last update: 2025/06/11 12:27

