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:

1. 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.

Learning

Please see the UNIGE official formations at Source code management with Git.

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:

1. via SSH (see https://gitlab.unige.ch/help/user/ssh) 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)
2. 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:

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 personal projects: 20
2. the Community projects must be registered in dedicated groups or subgroups
3. maximum size of a single project: 10GB
4. ~~maximum size of an attachment: 10MB~~
5. ~~maximum size of a single `git push` : 1MB~~

Please contact the UNIGE GitLab administrators (see https://catalogue-si.unige.ch/gitlab) 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!

Features

The UNIGE GitLab instance is based on the upstream **Community Edition** (cf. https://about.gitlab.com/install/ce-or-ee/), since until now no Enterprise features have been needed after various evaluation.

Of the CE-included feature, the UNIGE GitLab instance does not support the following ones:

1. CI/CD shared runners (cf. https://dataforum.unige.ch/t/gitlab-runners-not-available/401)
2. Pages (cf. https://dataforum.unige.ch/t/gitlab-pages-support/194)
3. PlantUML (cf. https://gitlab.unige.ch/help/administration/integration/plantuml.md via https://support-si.unige.ch/openentry.html?tid=INC000000146442)

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.

How to validate your GitLab UNIGE email address

The link contained in the e-mail from the address `GitLab noreply-gitlab@unige.ch` sent to your email address is valid for three days.

After this time, you must request a confirmation again by yourself.

Please do not attempt to authenticate yourself by clicking on the `Sign in` link on this page!

Here are the procedures for both cases:

Email address confirmation within the three days deadline

- open the confirmation e-mail with `Confirmation instructions` subject from `GitLab noreply-gitlab@unige.ch`
- click on `Confirm your email address` link
  - here's an example of a confirmation link:



https://gitlab.unige.ch/-/profile/emails/confirmation?confirmation_token=<alpha_numeric_token>

- you will be automatically authenticated and you will obtain the following message confirming your e-mail address validation:



Your email address has been successfully confirmed.

Email address confirmation after the three-day deadline

- open the confirmation e-mail with `Confirmation instructions` subject from `GitLab noreply-gitlab@unige.ch`
- click on `Confirm your email address` link
  - here's an example of a confirmation link:



https://gitlab.unige.ch/-/profile/emails/confirmation?confirmation_token=<alpha_numeric_token>

- on this page you will obtain the following error message explaining that the deadline has been exceeded:



1 error prohibited this email from being saved: - Email needs to be confirmed within 1 day, please request a new one below

- in the email field below error message, input again your email address to be confirmed
- click on the Resend button
- as soon you receive your new confirmation e-mail, follow the steps in the previous paragraph (Email address confirmation within the three days deadline).

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/

From:
https://doc.eresearch.unige.ch/ - **eResearch Doc**

Permanent link:
https://doc.eresearch.unige.ch/gitlab/start

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