version.aalto.fi – Aalto Version Control System

Info & Login to the system

A new, centrally managed version control system is available for all Aalto users at https://version.aalto.fi

If you have any problems with the system, please contact servicedesk@aalto.fi

Aalto users are able to login to the system with Haka authentication (Picture 1). External users with HAKA account can also use the same method to access the system. External users with locally configured credentials, will have to type their credentials to the dedicated fields. Within the "Standard", tab (Picture 2).

Picture 1 Use Aalto / HAKA Login to access version.aalto.fi with Aalto credentials

Picture 2 External user login

Creating a new project

After a successful login, new user will see a welcome page (see Picture 3), where a new project can be created or an existing project can be browsed. External users cannot create new projects.

Welcome to GitLab

Code, test, and deploy together

You don't have access to any projects right now

You can create up to **100** projects.

New project

There are 1 public projects on this server.

Public projects are an easy way to allow everyone to have read-only access.

Browse projects
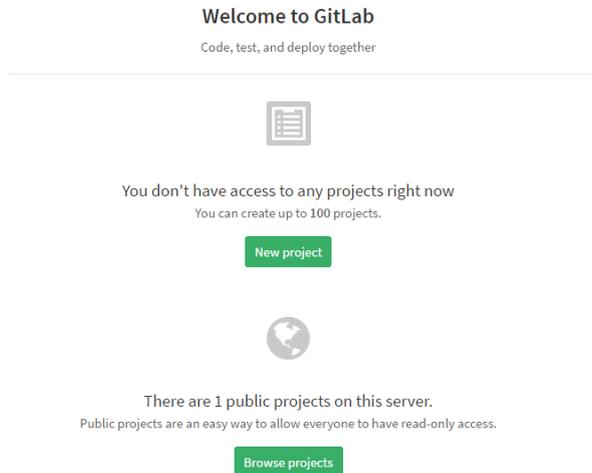
Picture 3 Welcome screen

If users want to create a new project, they will simply press the "New project" button and after that, the new project will be named, description and the privacy-settings (visibility level) of the project can be configured (see Picture 4).
The new project - screen also allows the user to import repositories from external systems, such as Github.

New project

Create or Import your project from popular Git services

Project path
https://version.aalto.fi/

Project name
Testproject

Import project from

○ GitHub   🐙 Bitbucket   🦊 GitLab.com   G Google Code   🐞 Fogbugz   git Repo by URL   🦊 GitLab export

Project description (optional)

Description format

Visibility Level (?)

Visibility Level ❓

○ 🔒 Private
  Project access must be granted explicitly to each user.

○ 🛡 Internal
  The project can be cloned by any logged in user.

○ 🌐 Public
  The project can be cloned without any authentication.

Create project   Cancel

Picture 4 New project

Configuring the client for use:

In order to obtain a local copy of a repository, you will need to install a Git-client on your computer.

For centrally managed Aalto computers, The Software Self-service portal has one available, SW_Git_Aalto.

To login with Git-client (https) to a repository, use Aalto-credentials:

Username: username@aalto.fi

Password: Aalto password

Git global setup:

Configuring your username, the information can be found inside the site of a repository

(https://version.aalto.fi/your_username/repository_name)

git config –global user.name "your.username"

git config –global user.email "Aalto email-address"

Create a new repository

git clone http://version.aalto.fi/your_username/Testproject.git

cd Testproject

touch README.md

git add README.md

git commit -m "add README"

git push -u origin master

Existing folder or Git repository

cd existing_folder

git init

git remote add origin http://version.aalto.fi/your_username/Testproject.git

git add .

git commit

git push -u origin master

Size limit of a repository

Currently, the size of a repository has not been limited but avoid using the service as a storage for large files.

More information regarding the usage of GIT

For more information, how to use GIT as a version control system, feel free to familiarize yourself with the Pro Git – book composed by Scott Chacon & Ben Straub, link to the book below:

https://git-scm.com/book/en/v2

GitLab also provides comprehensive user guides; feel free to familiarize yourself with them at https://version.aalto.fi/gitlab/help