Tutorial 1:

Set up your Environment

UZH VPN:

You need the UZH VPN to access the Server where your Webpage is deployed:

How to configure the UZH-VPN: Step-by-Step-Instructions

Already have VPN but need to change Shared Secret

Git-Lab: Workspace

You should have already received an invitation to this group by e-mail:

https://gitlab.uzh.ch/ltwa-hs23

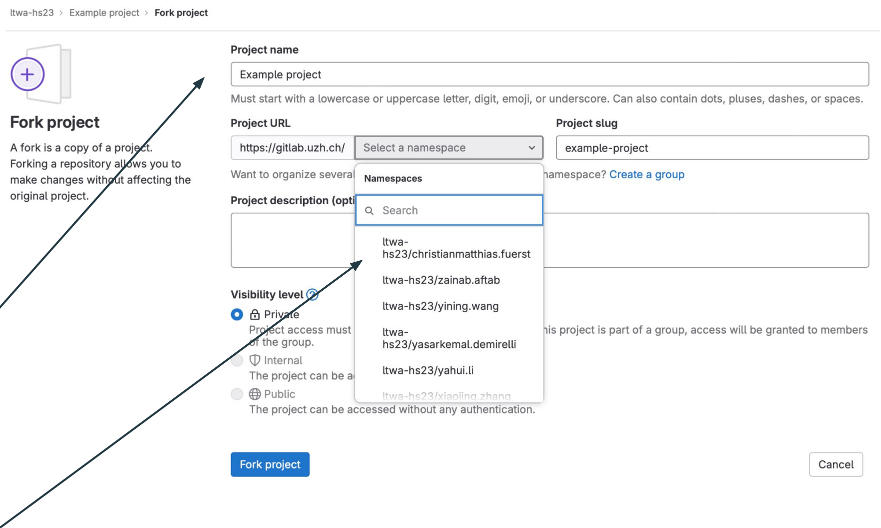
Set up Your Workspace:

-> Fork the “Example Project” (on page 3)

-> Select your personal namespace in the Group

-> clone the forked project using the SSH version.

> Terminal: git clone <insert URL>



Fork project

A fork is a copy of a project.
Forking a repository allows you to make changes without affecting the original project.

Project name: Example project

Must start with a lowercase or uppercase letter, digit, emoji, or underscore. Can also contain dots, pluses, dashes, or spaces.

Project URL: https://gitlab.uzh.ch/ | Select a namespace

Project slug: example-project

Want to organize several … namespace? Create a group

Namespaces

Search

- ltwa-hs23/christianmatthias.fuerst
- ltwa-hs23/zainab.aftab
- ltwa-hs23/yining.wang
- ltwa-hs23/yasarkemal.demirelli
- ltwa-hs23/yahui.li
- ltwa-hs23/xiaojing.zhang

Project description (opti…

Visibility level

● Private
Project access must … his project is part of a group, access will be granted to members of the group.

○ Internal
The project can be a…

○ Public
The project can be accessed without any authentication.

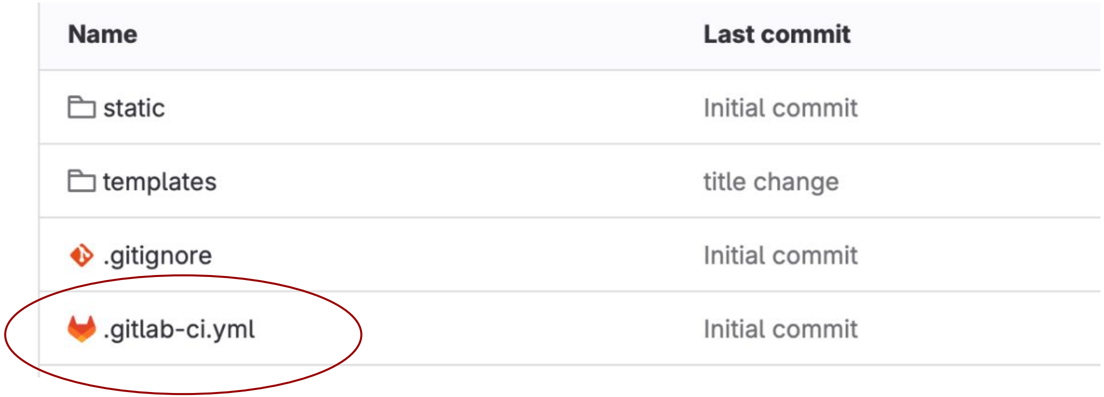
If no SSH, set a new key in GitLab under ‘Preferences/SSH keys’
Here’s a Guid to generate a new key:
https://spectralops.io/blog/guide-to-ssh-keys-in-gitlab/

Deployment

- In order to make your website acessible to the world you need to deploy it to a webserver.
- A webserver is a computer that is constantly running.
- For each student enrolled in this course there is a server, that is accessible within the UZH network (from the wifi within UZH or through the UZH VPN).

Deployment

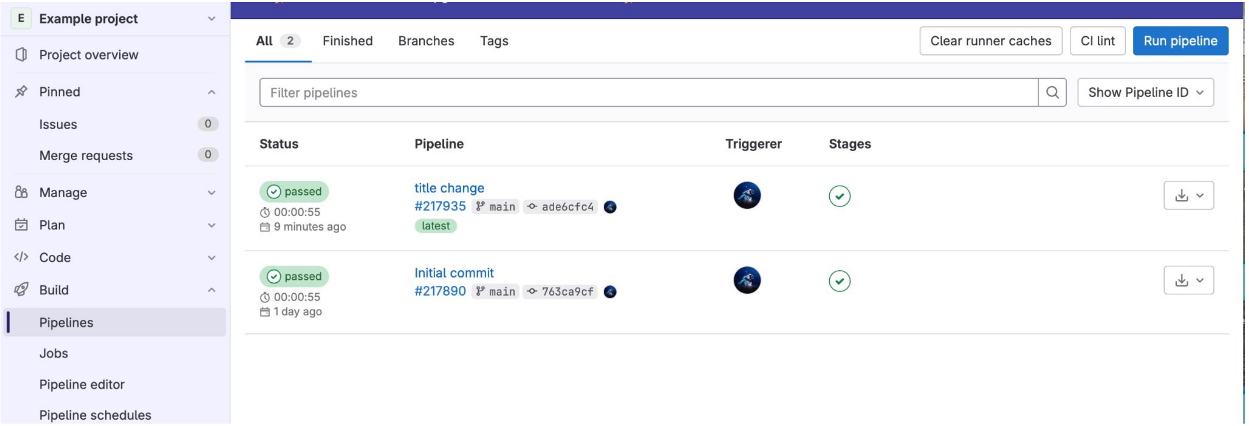
- The **.gitlab-ci.yml** file in your repo tells GitLab to deploy your website to your designated server everytime you push to the master branch



Name	Last commit
static	Initial commit
templates	title change
.gitignore	Initial commit
.gitlab-ci.yml	Initial commit

Deployment

- You can run deploy manually: “Run pipeline” (can take a few minutes), after the first time you will receive an E-mail with the URL to your webpage and some additional informations to connect to your database. You can add the URL to the webpage to your READ ME for easy access.
- Changes pushed to your Repository get automatically deployed to the server.



Status	Pipeline	Triggerer	Stages
passed 00:00:55 9 minutes ago	title change #217935 main ade6cfc4 latest		✓
passed 00:00:55 1 day ago	Initial commit #217890 main 763ca9cf		✓