

GitLab – How to



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-
- Git

What is GitLab?



- GitLab is a web-based Git repository hosting service with distributed version control.
- It manages Git repositories with your source code.

When to use GitLab?

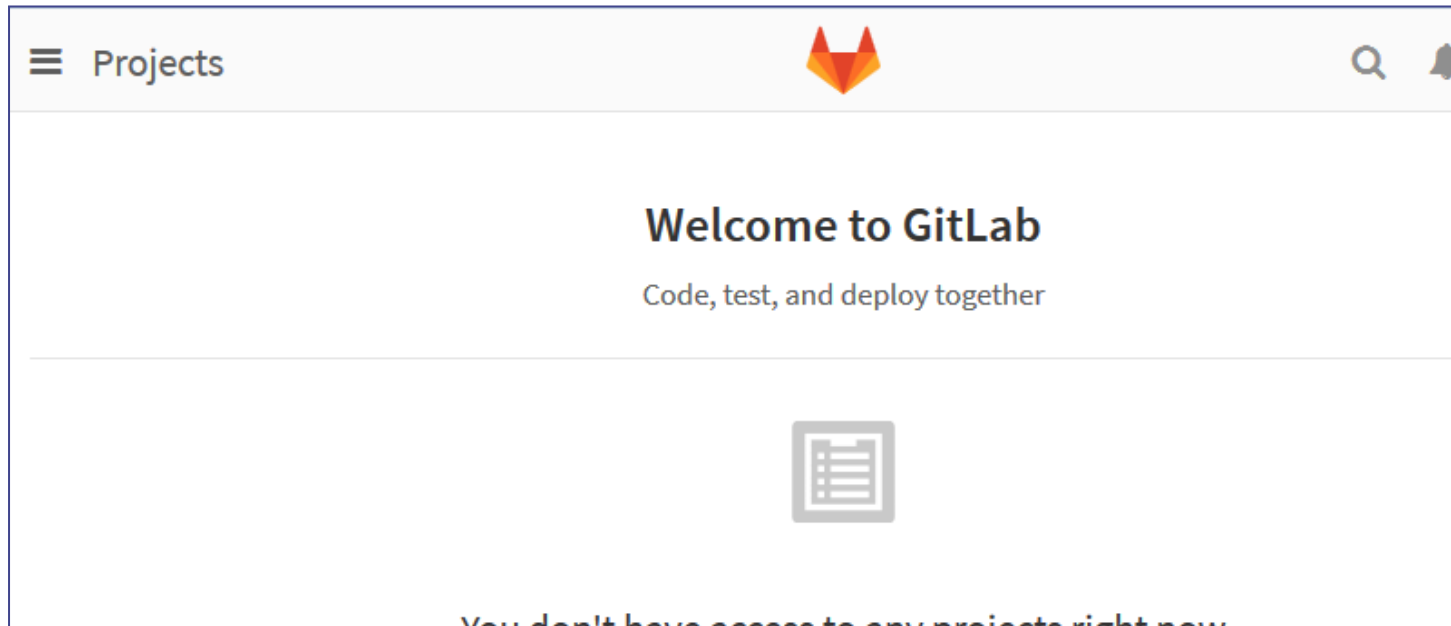


- GitLab is to be used for all PSI projects (IP1 to IP4).
- By the way:
Existing Git projects can be migrated into the FHNW-GitLab (except issue tracking and wiki). Migrating can be done by any FHNW user.

How can I create a GitLab Instance?



- Go to <https://gitlab.fhnw.ch>

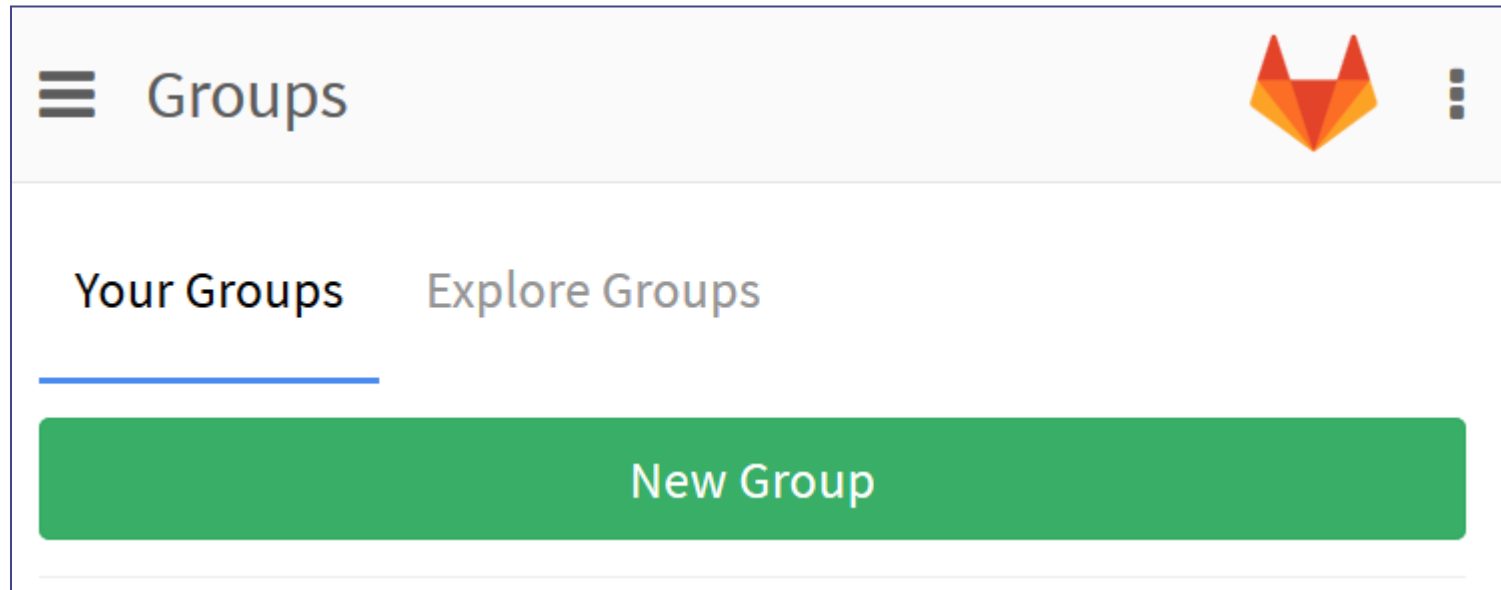


- Choose *Groups* clicking the symbol 

How can I create a GitLab Instance?



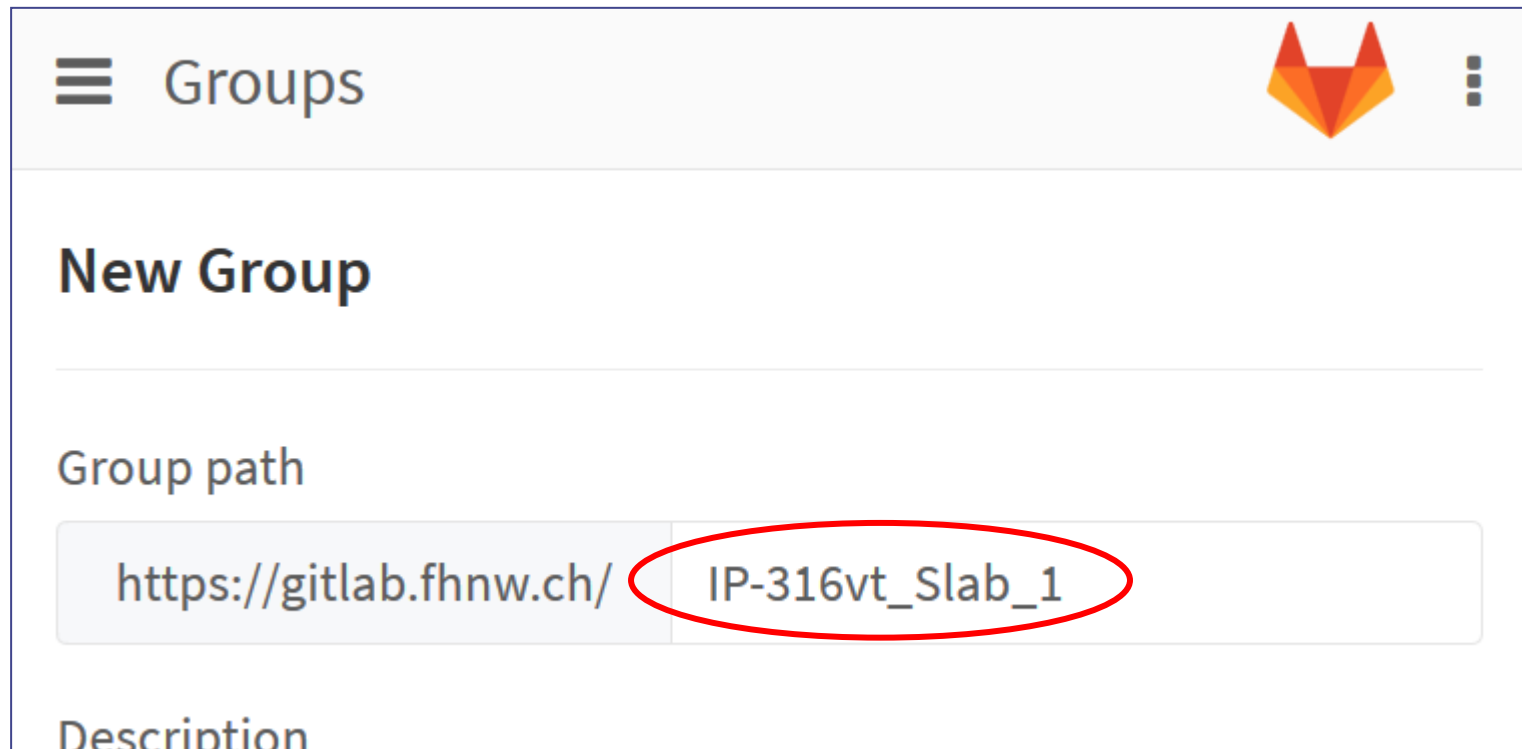
- Create a *New Group*



How can I create a GitLab Instance?



- Set up your *Group path* with your project's name as stated on Confluence

A screenshot of the GitLab web interface for creating a new group. The page has a light grey header with a hamburger menu icon and the word "Groups" on the left, and the GitLab logo and a vertical ellipsis icon on the right. Below the header, the title "New Group" is displayed. A horizontal line separates the title from the form fields. The "Group path" label is positioned above a text input field. The input field contains the text "https://gitlab.fhnw.ch/" followed by "IP-316vt_Slab_1", which is circled in red. Below the input field, the "Description" label is visible.

Groups

New Group

Group path

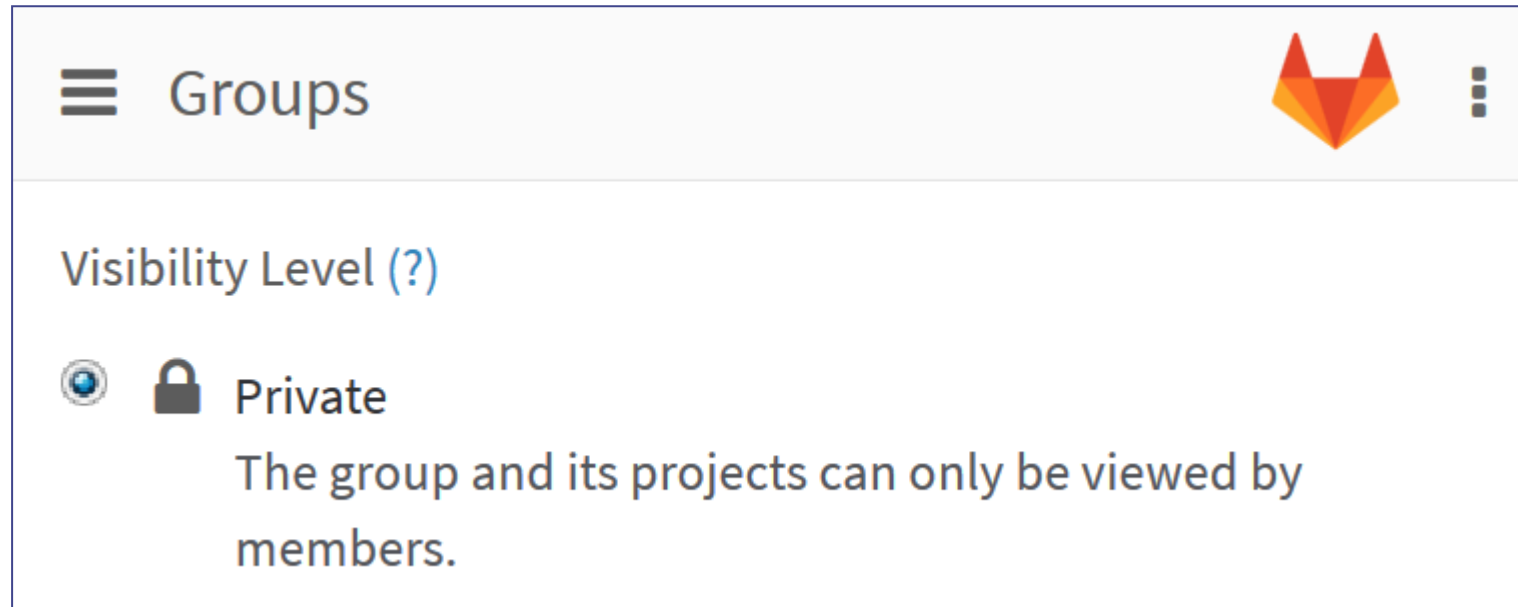
https://gitlab.fhnw.ch/ IP-316vt_Slab_1

Description

How can I create a GitLab Instance?



- Set group *Visibility Level* to *Private*



- Click Create Project on same page (bottom left)

How can I create a GitLab Instance?



- Click *New Project*
- Use same name for *Project name*

New project

Create or Import your project from popular Git services

Project path

https://gitlab.fhnw.ch/ IP-316vt_Slab_1

Project name

IP-316vt_Slab_1



How can I create a GitLab Instance?



- Set project *Visibility Level* to *Private*

Visibility Level (?)



Private

Project access must be granted explicitly to each user.


- *Create project*

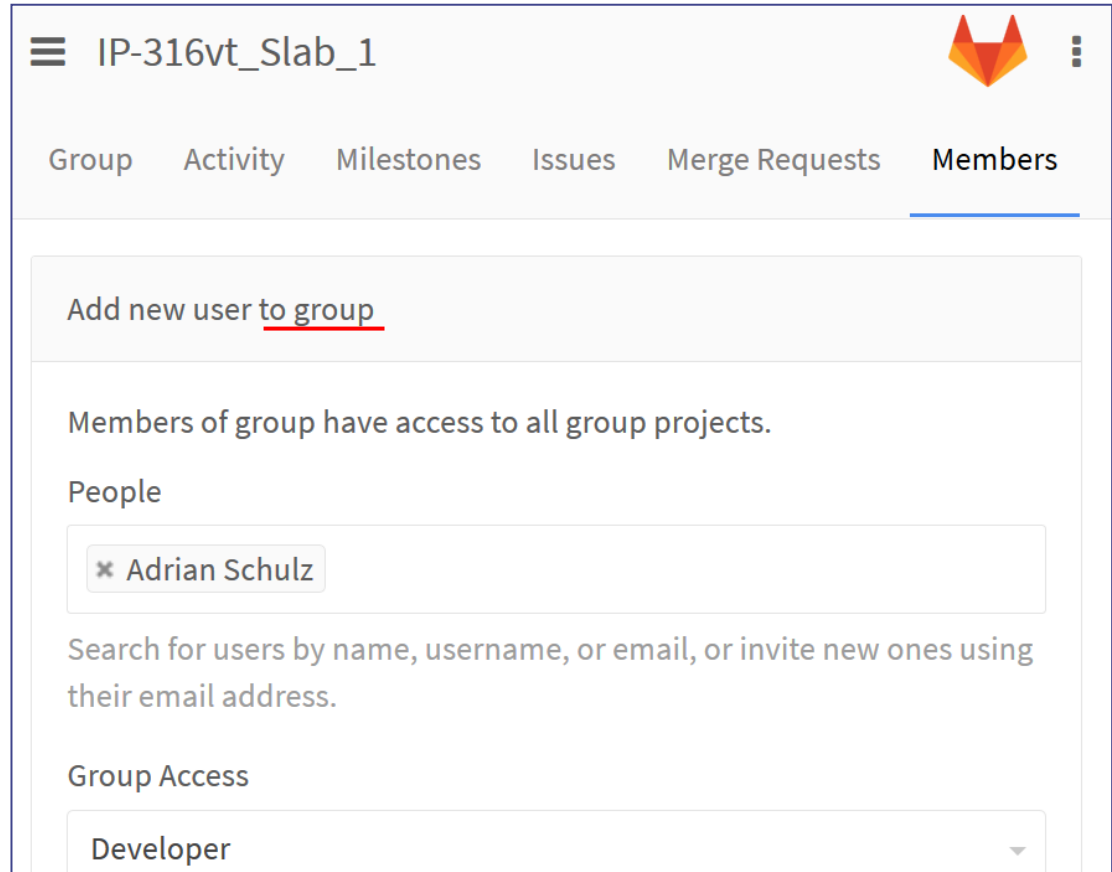
Create project

Cancel

How can I add Team Members?






- Select your group via  and select *Groups*. On page menu click *Members*.
- Add your team members
- Give *Developer Group Access*

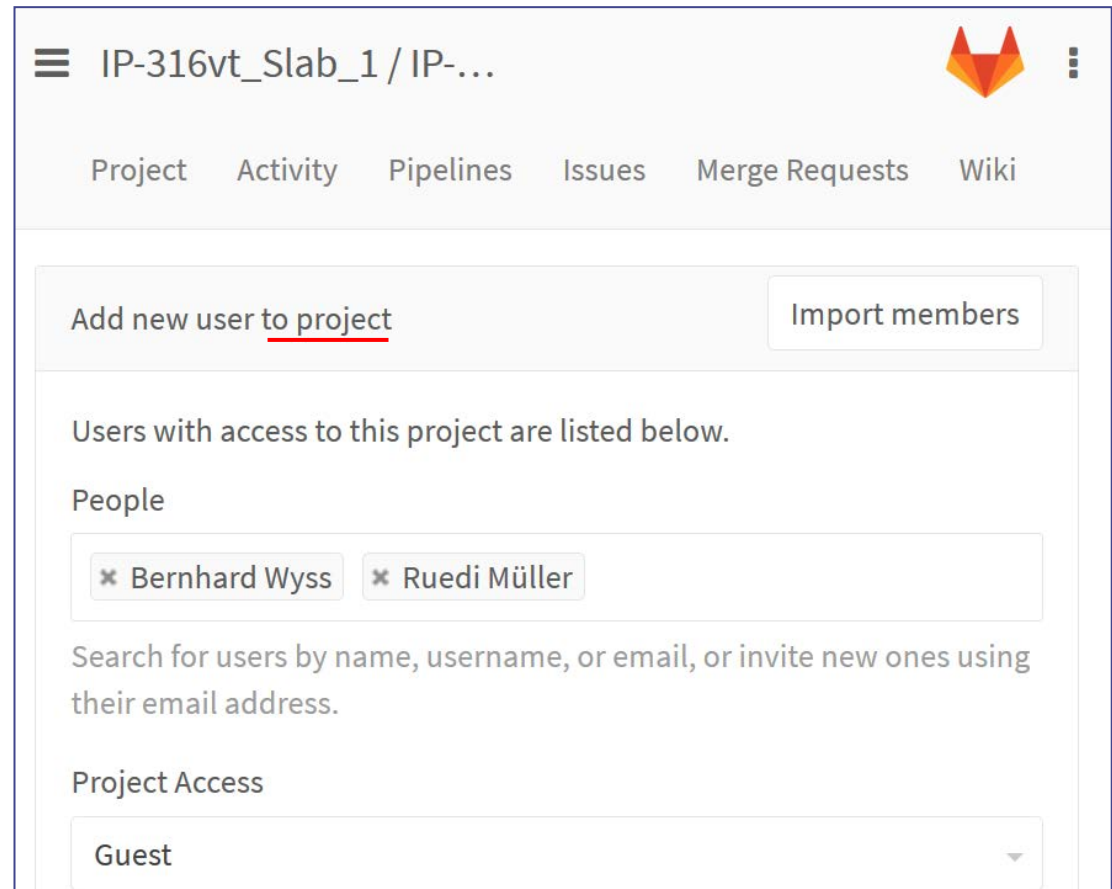


The screenshot shows the GitLab interface for a group named 'IP-316vt_Slab_1'. The top navigation bar includes links for Group, Activity, Milestones, Issues, Merge Requests, and Members. The 'Members' tab is selected. Below the navigation bar, there is a section titled 'Add new user to group' with a red underline. Underneath, a message states: 'Members of group have access to all group projects.' The 'People' section contains a search bar with the text 'x Adrian Schulz'. Below the search bar, a message says: 'Search for users by name, username, or email, or invite new ones using their email address.' The 'Group Access' section features a dropdown menu currently set to 'Developer'.

How can I add Expert Coaches?



- Select your project via  and select *Projects*. Click  , then *Members* from dropdown list.
- Add expert coaches SA, SC and ST
- Give *Guest Project Access*



IP-316vt_Slab_1 / IP-...

Project Activity Pipelines Issues Merge Requests Wiki

Add new user to project Import members

Users with access to this project are listed below.

People

× Bernhard Wyss × Ruedi Müller

Search for users by name, username, or email, or invite new ones using their email address.

Project Access

Guest

How can I add External Users?



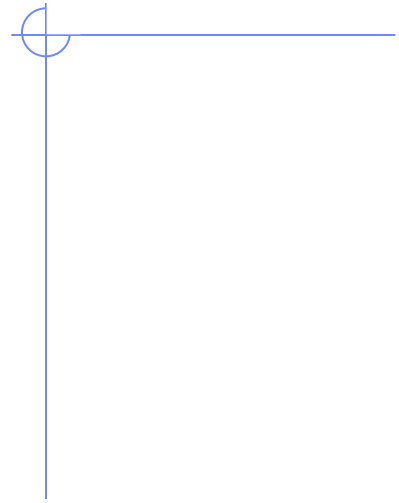
- External (non-FHNW) users need sign-in-support by a GitLab administrator.
- In this rare case send an e-mail to gitlab.services@fhnw.ch

Make sure your team coach has agreed to adding the external user.

Where can I get Help?



- GitLab:
<https://gitlab.fhnw.ch/help>
<http://docs.gitlab.com/ce/>
- Contact for GitLab questions:
gitlab.services@fhnw.ch



- On a local computer you use Git. A connection to GitLab (common repo on the server) makes collaboration with other users possible.
- Git is available for Linux, Mac and Windows (among others), cf. <https://git-scm.com/book/en/v2/Getting-Started-Installing-Git>
- More:
<https://progit2.s3.amazonaws.com/en/2016-03-22-f3531/progit-en.1084.pdf>