
GitGitLab Documentation

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GitGitLab integrates Gitlab in your git flow.

With GitGitlab, you can create projects, clone them and set them as remote source without leaving the command line.

Installation

```
sudo pip install gitgitlab
```


Example

```
$ git init
$ git touch 'readme.txt'
$ git add readme.txt
$ git commit -am 'initial commit'
$ git lab create -t my_project # Creates project my_project and adds it as remote
  Project my_project created on Gitlab
$ git remotes
gitlab
```

Command overview

git lab list List your Gitlab projects

git lab create <project name> Create a project on Gitlab

git lab track <project name> Set this project as remote for your local repository.

git lab open <project name> Open a Gitlab project page. If <project name> is omitted, uses the project on the 'gitlab' remote of the repository on the current directory.

git lab clone Clone a Gitlab project.

git lab auth Reset the Gitlab authorization token.

Listing your projects

git lab list lists all the projects that you own and their repository url.

Creating a new project

git lab create <project_name> creates a new private project on Gitlab.

git lab create <project_name> -track creates a new private project and sets it up as remote.

Setting up an existing project to track the local repository

git lab track <project_name> Adds a gitlab project as remote.

Opening the project page

git lab open <project_name> Opens the project page on the default browser.

Cloning a project

git lab clone <project_name> Clones the project.

Obtaining help

git lab help Overview.

git lab <command> -help Help for a specific command.

Using it from Python

To use `gitgitlab` from Python, import `gitgitlab.client`.

Using a custom Gitlab server

By default, gitgitlab uses <https://gitlab.com> as the Gitlab server url. If you are using your own Gitlab server, you can configure it using git config.

Configure your custom Gitlab server globally:

```
$ git config --global --replace-all gitlab.url <your server url>
```

Configure your custom Gitlab server only for the current repository:

```
$ git config --replace-all gitlab.url <your server url>
```

gitgitlab will try to connect to <your server url>/api/v3

See more:

11.1 Gitgitlab

11.1.1 Git interface

CLI interface for GitGitlab.

`gitgitlab.cli.auth(*args, **opts)`
Reset the authentication token.

`gitgitlab.cli.clone(*args, **opts)`
Clone a Gitlab project.

`gitgitlab.cli.create(*args, **opts)`
Create a Gitlab project and add it as remote.

`gitgitlab.cli.get_gitlab()`
Return a logged-in instance of the gitlab client.

Authenticate the client. If the authentication fails with an Unauthorized error, ask the user to provide the token again and retry.

`gitgitlab.cli.git()`
Git entry point.

`gitgitlab.cli.list(*args, **opts)`
List the projects owned by the user.

`gitgitlab.cli.open(*args, **opts)`
Open the project page on the default web browser.

`gitgitlab.cli.track (*args, **opts)`
Set a gitlab project as remote source.

11.1.2 Authentication

11.1.3 Gitlab client

Interface to Gitlab and Git.

exception `gitgitlab.client.GitlabException`
Gitlab error.

exception `gitgitlab.client.NotFound`
The item looked for was not found.

class `gitgitlab.client.GitlabClient (url=None)`
Simple Gitlab client.

clone (*name, path=None*)
Clone a Gitlab project.

Parameters

- **name** – Identifier name of the project to clone.
- **path** – Path to clone to (deufaults to the project name).

create_project (*name, wiki_enabled=False, public=False*)
Create a project.

Parameters

- **name** – Name of the project.
- **wiki_enabled** – Enable the wiki for this project.
- **public** – Make the project public.

Return dict with the created project

get_gitlab_remote ()
Return the gitlab remote of the repository in the current directory.

Raises NotFound if the gitlab remote is not found.

get_project (*name=None*)
Return the project with the given name.

Parameters name – Name of the project to return.

Raises NotFound if the project does not exist.

get_project_name ()
Return the name of the gitlab project that is tracking the repository in the current directory.

static get_project_name_from_url (*url*)
Extract the project name from the url and return it.

Parameters url (*str*) – A project URL.

get_project_page (*name=None*)
Return the url of the page of a Gitlab project.

Parameters **name** – Name of the project. If not provided, it will use the project name tracking the repository in the current directory.

Returns Gitlab project page url.

get_projects ()

Fetch the projects owned by the user.

Return list of projects.

get_remote (*name*)

Return the remote with the given name of the repository in the current directory.

login (*token*)

Login to Gitlab.

Parameters **token** – The user's Gitlab private token.

track (*project_name='gitlab', branch='master', remote_name='gitlab', no_push=False*)

Set a gitlab repository as remote for the current git checkout.

Returns The gitlab git remote.

url

Base URL of the GitLab server.

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