Git Server for CAL Group

Wu-Cheng, Chiang

URL : git.gwlab.phy.ncu.edu.tw

Please set the SSH key right after you create the project!

Step 1. **ssh-keygen -t ed25519 -C "your mail"**

      After typing in this command in your terminal, you can decide where to put your keys or set up the passphrase interactively. If this is your first time to set up this, I would recommend you to put all the related files in default path.

Step 2. **pbcopy < ~/your key path/your key file.pub (this works only for Macs)**

      add the public key to your account by clicking your avatar in the upper right corner and selecting **Settings**. From there on, navigate to **SSH Keys** and paste your public key in the **" Key "** section.

User Settings

- Profile
- Account
- Applications
- Chat
- Access Tokens
- Emails
- Password
- Notifications
- **SSH Keys**
- GPG Keys
- Preferences
- Active Sessions
- Authentication log
- Pipeline quota
- Collapse sidebar

User Settings › SSH Keys

SSH Keys

SSH keys allow you to establish a secure connection between your computer and GitLab.

Add an SSH key

To add an SSH key you need to generate one or use an existing key.

Key

Paste your public SSH key, which is usually contained in the file '~/.ssh/id_rsa.pub' and begins with 'ssh-rsa'. Don't use your private SSH key.

> Typically starts with "ssh-rsa ..."

Title

> e.g. My MacBook key

Name your individual key via a title

[Add key]

Your SSH keys (0)

There are no SSH keys with access to your account.

If you wanna access to multiple git servers like github, gitlab, or Bitbucket, etc......, You need to edit a configuration file in the path that your ssh client can access to, or it will have no idea of the matching relation of each key.

If you used the default path to complete the process above, then please edit a config file under "~/.ssh ".

In your text editor, please type in the settings following the format below:

The description for this block of setting.

Host git.gwlab.phy.ncu.edu.tw

     Preferredauthentications publickey

     IdentityFile ~/.ssh/your preferred sub directory/the **private** key

CAUTION : Please use the path where you stored your key file!

```
# GitLab.com
Host gitlab.com
   Preferredauthentications publickey
   IdentityFile ~/.ssh/gitlab_com_ed25519/id_ed25519

# Github.com
Host github.com
   Preferredauthentications publickey
   IdentityFile ~/.ssh/github_com_rsa/id_rsa

# Git.gwlab
Host git.gwlab.phy.ncu.edu.tw
   Preferredauthentications publickey
   IdentityFile ~/.ssh/git_gwlab_ed25519/id_ed25519
```

I recommend you to build up a structure storing your keys. This can help you to distinguish which key belongs to which server and manage or even renew them easily.