

Git setting up for Windows.

1. Install Git for windows.

This will help you with how to install it.

<https://phoenixnap.com/kb/how-to-install-git-windows>

You don't need to perform the sections after 'Clone a GitHub Repository'.

2. Register your public SSH key on Gitlab.

We use SSH to communicate with Gitlab. Public key authentication is an authentication method that uses two pieces of information: a public key and a private key. Create a public key and a private key, and give the public key information to the person (Gitlab) you want to communicate with.

Type this on Git Bash, not windows power shell.

- `ssh-keygen`

The below will be appeared, then press enter.

- Generating public/private rsa key pair. Enter file in which to save the key (/home/vagrant/.ssh/id_rsa):

Give your password, then press enter.

- Enter passphrase (empty for no passphrase):

Again input the same password and press enter.

- Enter same passphrase again:

If input is successful, the below displayed followed by ASCII art. The private and public key were created.

- The key fingerprint is:
- The key's randomart image is:

3. Register your public key on GitHub.

Type this to display your public key.

- `cat ~/.ssh/id_rsa.pub`

Select 'setting' on Gitlab.

The screenshot shows the GitLab web interface for a project named 'Kashikoi'. The left sidebar contains navigation links for Project overview, Details, Activity, Releases, Cycle Analytics, Insights, Repository, Issues, Merge Requests, CI/CD, Security & Compliance, Operations, Packages, Project Analytics, Wiki, Snippets, and Members. The main content area displays project details for 'Kashikoi', including the project ID (202), a 'Leave project' button, and statistics (5 Commits, 4 Branches, 0 Tags, 256 KB Files). Below this, there's a section for 'Update README.md' by Phommachanh Sayalath, followed by buttons for README, Add LICENSE, Add CHANGELOG, Add CONTRIBUTING, Set up CI/CD, and Security Dashboard. A table lists the project's README.md file with its last commit and update date. At the bottom, the 'Kashikoi' team members are listed: Huang Hongzhi (ZLELGH), Phommachanh Sayalath (FMXDL2), and Yukihiro Kenichi (UJ43P9). The right sidebar shows the user profile for Yukihiro Kenichi (@uu43p9) with links for Set status, Profile, Settings, and Sign out.

Select 'SSH keys'.

Type the name of SSH key. For example 'Katai@my-windows-laptop'.

Copy and paste your public key displayed earlier. Something like this, ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQAC5rX5OBcwhVPPS3zvEjJqsK9d6O1GchS4qcza AArF9ZQBIfbJAqzXKP7XKsg/fujBj2GsPj9CL/hz5BQ7UA16pIWTOxsTRU/nch4lQrxvrDxITTCipw9e7fIKzSzxB9ly3rZWeZ8vGeeHhMcy2gg2VJI8mwoXHR0QivnNox1RMaeLvC1xfAuJDQGFCkfuTKiz0Kozz0vBp5YTffV3QhAT5lum9S6c2oeXyQ6vTMenetWFOETdeFY1LhQIDA6N8c781U0PuQ4VmvoU0KquLTfEclwkjmmciRbJXRi/IVq5Qb8AupZNvdQzZH4cWdova7fR4PfEjrWCmy/s28Vv3Dza1 ubuntu@ubuntu-bionic

Press 'Add key'.

Now your laptop can connect to Gitlab using SSH.