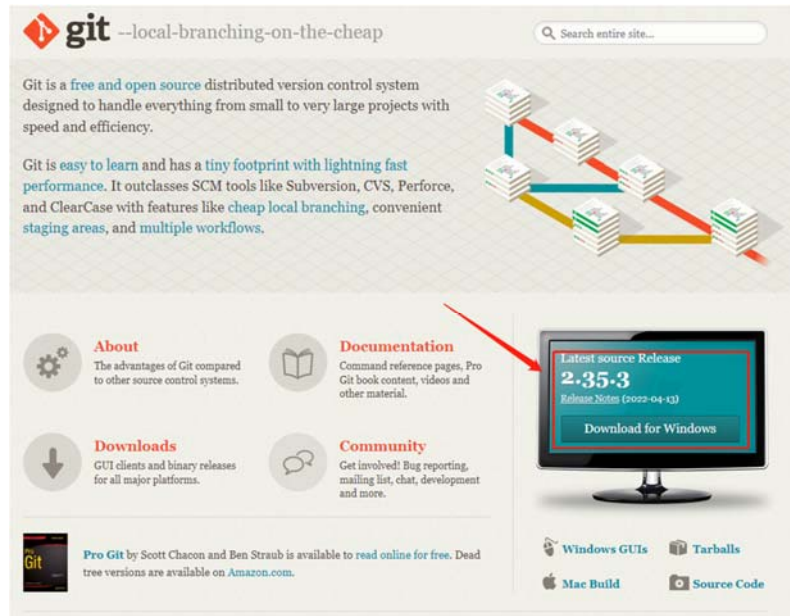


1. Download Git

Download address: <https://www.git-scm.com/>

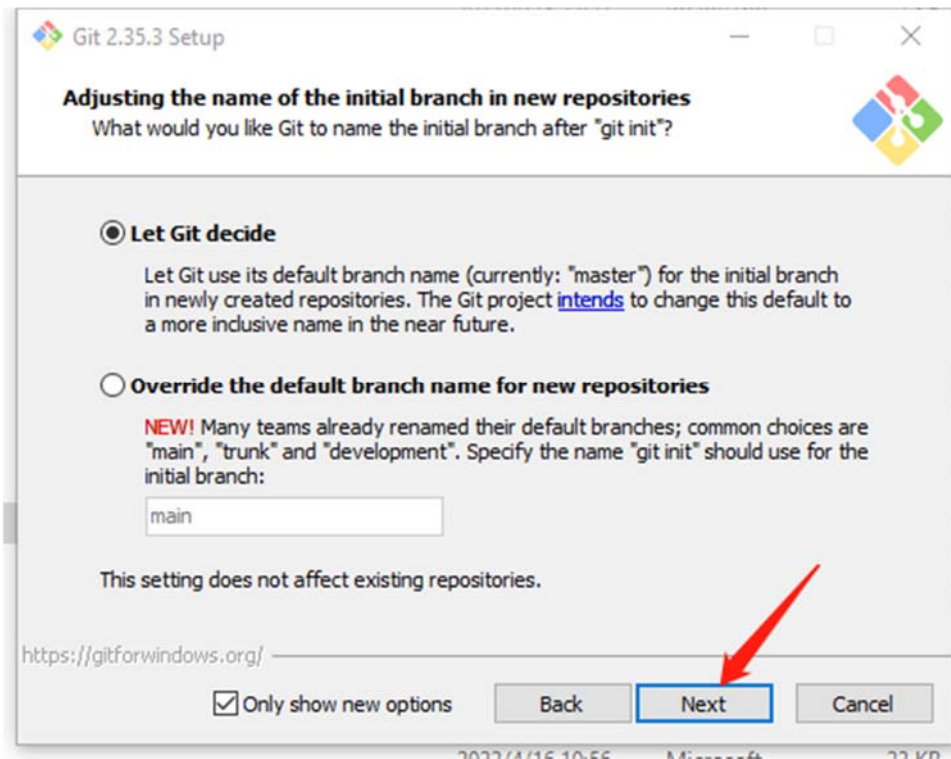


2. Install Git

Double click the downloaded installation package.



Install according to the default settings.



3. Configure Git

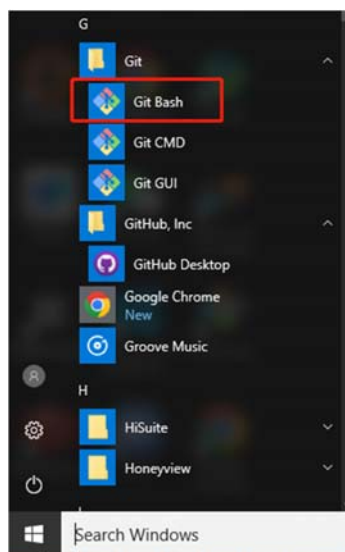
(1) Register GitHub account

Please register your GitHub account and give it to me. Registered address: <https://github.com>.

I will add you to the project team, and send you an invitation link to your email.

(2) Open Git Bash

In the start menu or right-click, you can find the installed Git.



Input: `git --version`

If the version number is displayed, the installation is successful.

```
Lily@JIANGLILI-P70 MINGW64 /e/Desktop/MyGitRepos (master)
$ git --version
git version 2.16.1.windows.4

Lily@JIANGLILI-P70 MINGW64 /e/Desktop/MyGitRepos (master)
$
```

(3) Create SSH key and configure SSH key in GitHub

Input: `ssh-keygen -t rsa -C "your GitHub account"`

```
MINGW64:/c/Users/admin

admin@DESKTOP-GC4GT00 MINGW64 ~
$ cd ~/.ssh
bash: cd: /c/Users/admin/.ssh: No such file or directory

admin@DESKTOP-GC4GT00 MINGW64 ~
$ ssh-keygen -t rsa -C "mikedu1979@gmail.com"
Generating public/private rsa key pair.
Enter file in which to save the key (/c/Users/admin/.ssh/id_rsa):
```

Press Enter, and then enter passphrase (or press Enter twice without entering)

```
MINGW64:/c/Users/admin

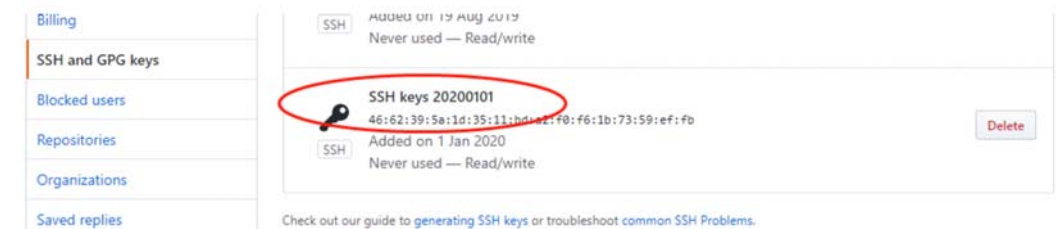
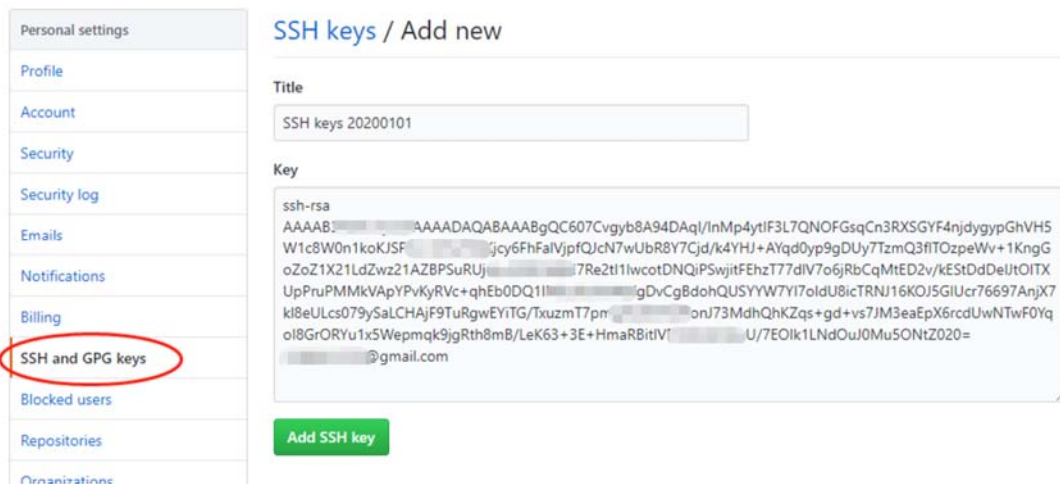
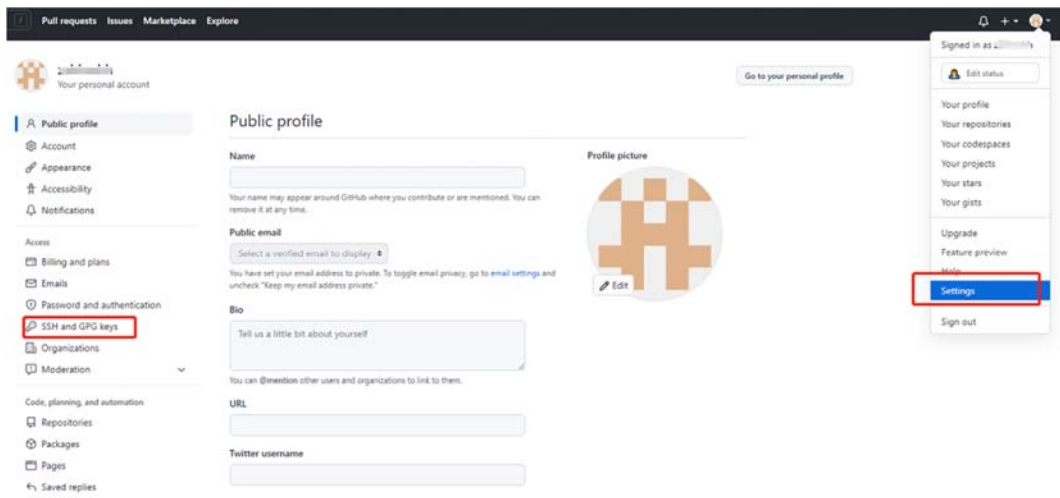
Generating public/private rsa key pair.
Enter file in which to save the key (/c/Users/admin/.ssh/id_rsa):
Created directory '/c/Users/admin/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /c/Users/admin/.ssh/id_rsa.
Your public key has been saved in /c/Users/admin/.ssh/id_rsa.pub.
The key fingerprint is:
SHA256:ogeDI94h2YNsJPpidobwIvM6ox2B1zpEGSadU4ZrbIQ mikedu1979@gmail.com
The key's randomart image is:
+---[RSA 3072]-----+
|.oo+o
|Eo*+
|. +oo
|=oOo
|=O*++ . S
|+*++o+ .
|=*+. .
|**oo .
|++o
+---[SHA256]-----+

admin@DESKTOP-GC4GT00 MINGW64 ~
$
```

Then, Two files are generated in .ssh Directory (C:\Users\ComputerName\.ssh\): **id_rsa** and **id_rsa.pub**, open with Notepad **id_rsa.pub** under .ssh directory, copy the contents to GitHub.



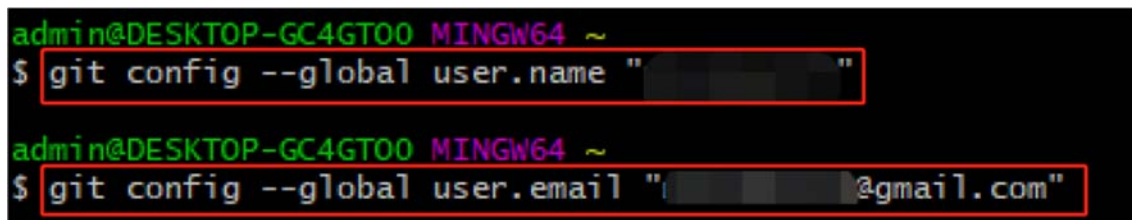
Add public key to GitHub.



(4) Configure Git locally

Input: git config -global user.name "name"

Input: git config -global user.email "your GitHub account"



(5) Check for success

Input: `ssh -T git@github.com`

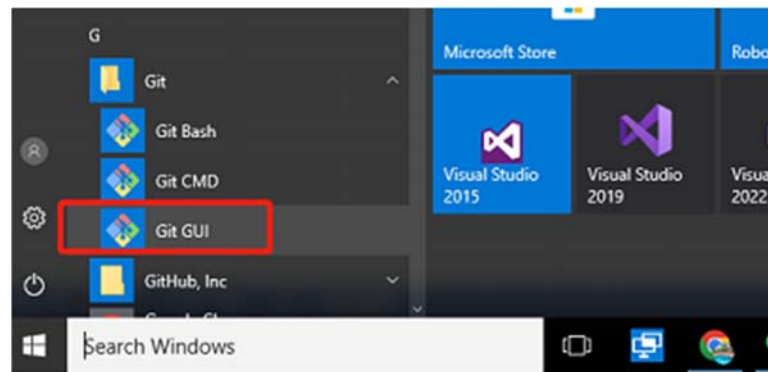
```
admin@DESKTOP-GC4GT00 MINGW64 ~  
$ ssh -T git@github.com  
Hi mihail1870! You've successfully authenticated, but GitHub does not provide shell access.
```

4. GUI Clients

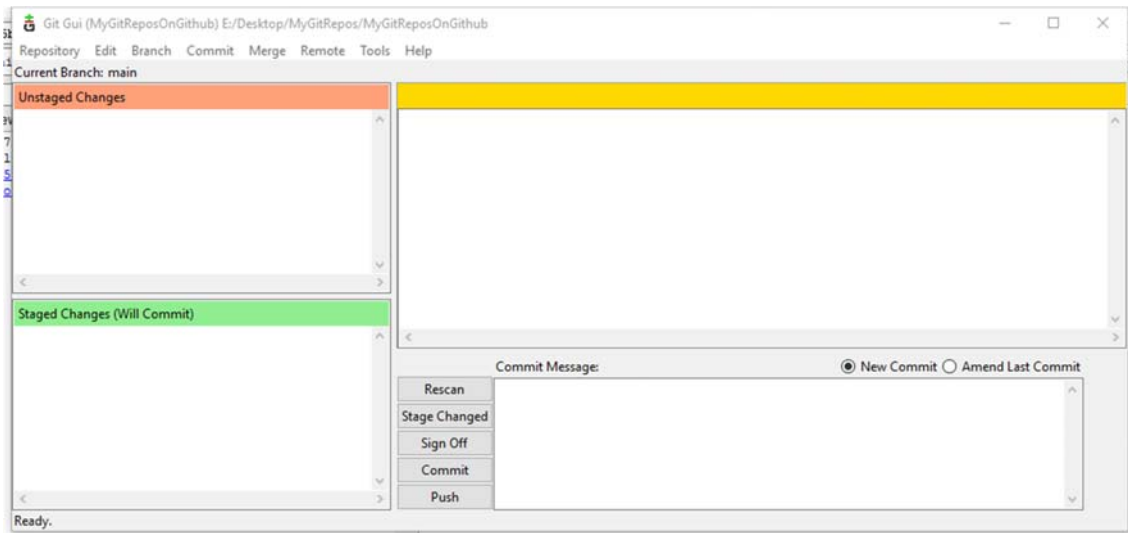
Git has many GUI tools. We only need to be able to use one.

(1) GIT GUI

After installing Git, bring a **Git GUI** tool.

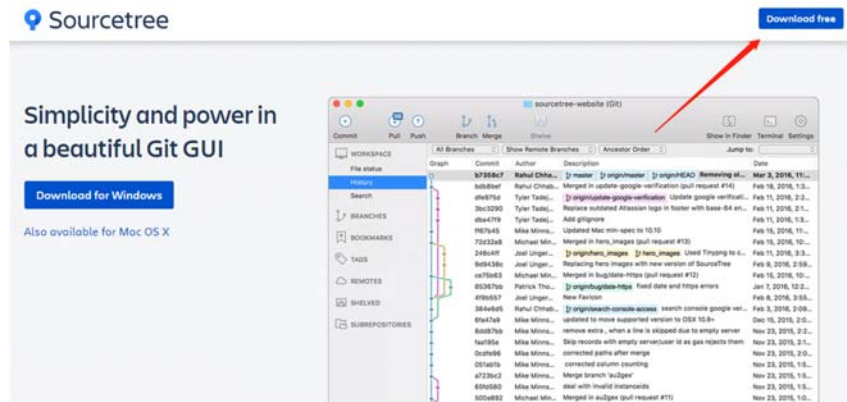


If the **Git GUI** interface appears after clicking, the installation is successful.



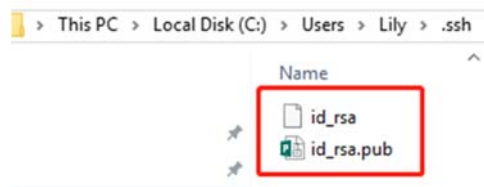
(2) SourceTree

Download address: <https://www.sourcetreeapp.com/>

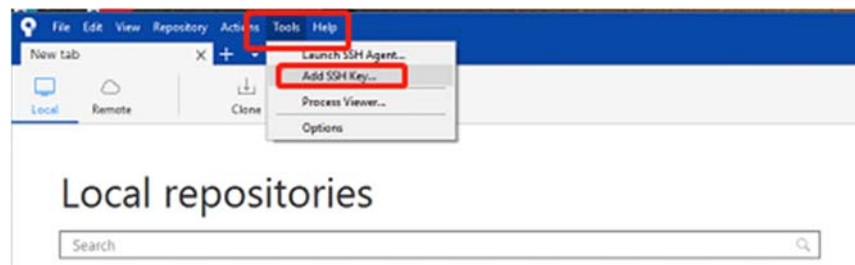


Installation reference video: <https://www.youtube.com/watch?v=4JvIdMS3NA8>

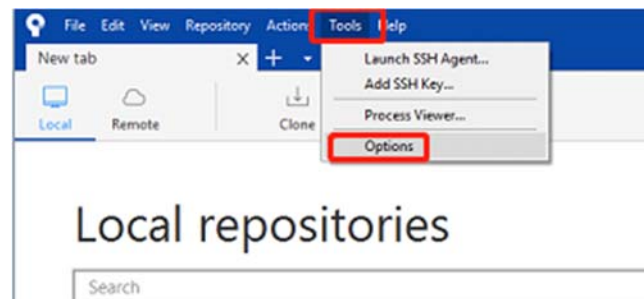
Note: we do not need to configure the private key in the video. We just need public key in .ssh folder.



Add public key to sourcetree.



In the **tool** → **options** window, you can see that the public key has been added successfully



Options

General

Updates

Diff

Git

Mercurial

Custom Actions

Authentication

Network

☒ Allow Sourcetree to modify your global Git and Mercurial config files

☒ Open links on Bitbucket.org with Sourcetree

☒ Offer to create bookmarks in future

☐ Enable 'Open in Sourcetree' context menu in Explorer

Theme:

Light

Default user information

Full Name:

Email address:

SSH Client Configuration

SSH Key:

...

SSH Client:

OpenSSH

 (Git only, Mercurial always uses Plink on Windows)

☒ Automatically start SSH agent when Sourcetree opens

Repo Settings

Project folder:

...

Language:

Automatic

 (Requires restart) [Help translate Sourcetree!](#)

Default text encoding:

utf-8

☒ Keep backups on destructive operations

☒ Refresh automatically when files change

OK