

# git生成ssh-key，实现免密码登录github 转载

国家一级摸鱼选手 2021-11-18 10:39:03

文章标签 github 免密码登录 ssh-key git bash 文章分类 其它 其它 阅读数 854

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如侵权

一、

切到当前用户的根目录，右键选择git bash，设置Git的user name和email：

- 1.
2. `git config --global user.name "这里换上你的用户名"`
3. `git config --global user.email "这里换上你的邮箱"`
- 4.

```
CDLX@CDLX-PC MINGW64 ~
$ git config --global user.name harrain

CDLX@CDLX-PC MINGW64 ~
$ git config --global user.email renzhicheng00@163.com

CDLX@CDLX-PC MINGW64 ~
$ cd ~/.ssh
bash: cd: /c/Users/CDLX/.ssh: No such file or directory

CDLX@CDLX-PC MINGW64 ~
$ ssh-keygen -t rsa -C "renzhicheng00@163.com"
bash: $: command not found

CDLX@CDLX-PC MINGW64 ~
$ ssh-keygen -t rsa -C "renzhicheng00@163.com"
Generating public/private rsa key pair.
Enter file in which to save the key (/c/Users/CDLX/.ssh/id_rsa):
Created directory '/c/Users/CDLX/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /c/Users/CDLX/.ssh/id_rsa.
Your public key has been saved in /c/Users/CDLX/.ssh/id_rsa.pub.
The key fingerprint is:
SHA256:TNKpAHLj0r5JCK1NwHeOFLTGivY0j0ioHdh3UXHGKMM renzhicheng00@163.com
The key's randomart image is:
+---[RSA 2048]-----+
|  . +  o+ +  |
| o+oo  o =.o  |
| oo+.oo E    |
| o=o 0.o=o   |
| B.+=.Bo S   |
| ==.oo..     |
| +oo  o      |
| . o .       |
| o           |
+---[SHA256]-----+

CDLX@CDLX-PC MINGW64 ~
$ |
```

二、生成SSH密钥过程：

- 1.查看是否已经有了ssh密钥：`cd ~/.ssh`

如果没有密钥则不会有此文件夹，有则备份删除

- 2.生成密钥：

`ssh-keygen -t rsa -C "这里换上你的邮箱"`

执行命令后需要进行3次或4次确认：

- 1.
2. 确认密钥的保存路径（如果不需要改路径则直接回车）；

3. 如果上一步置顶的保存路径下已经有密钥文件，则需要确认是否覆盖（如果之前的密钥不再需要则直接回车覆盖，如需要则手动拷贝到其他目录后再覆盖）；
4. 创建密码（如果不需要密码则直接回车）；
5. 确认密码；
6.

执行过程如下图：

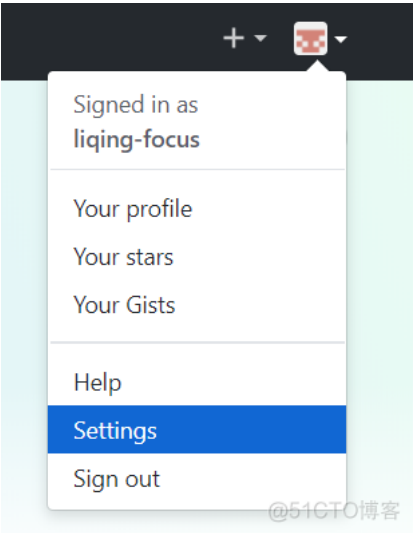
```
wh@DESKTOP-OBNEGA8 MINGW64 /d/work/focus_web (release-v1.20.1)
$ ssh-keygen -t rsa -C "liq@openscanner.cn"
Generating public/private rsa key pair.
Enter file in which to save the key (/c/Users/wh/.ssh/id_rsa):
/c/Users/wh/.ssh/id_rsa already exists.
Overwrite (y/n)? y
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /c/Users/wh/.ssh/id_rsa.
Your public key has been saved in /c/Users/wh/.ssh/id_rsa.pub.
The key fingerprint is:
SHA256:mQQVx7bFTp5LUAXLU2KCKsXHPrWahmrb/LRC+ibEi0o liq@openscanner.cn
The key's randomart image is:
+---[RSA 2048]---+
|..00+00=00|
|O.+.=+++|
|.+.O 0+.|
|..0000=|
|..S+..|
|O O +|
|E O =..|
|..*00..|
|.. ..+00|
+---[SHA256]-----+
@51CTO博客
```

在指定的保存路径下会生成2个名为id\_rsa和id\_rsa.pub的文件：

C:\Users\wh\.ssh\				
名称	修改日期	类型	大小	
id_rsa	2018/1/5 18:09	文件	2 KB	
id_rsa.pub	2018/1/5 18:09	PUB 文件	1 KB	
known_hosts	2017/12/22 17:27	文件	2 KB	

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三、再打开你的github，进入配置页：



- 1) 选择SSH and GPG keys项：

之前生成的是ssh密钥，所以下面选择New SSH key（如果是未配置密钥的用户，这里应该是空的）：

Personal settings

Profile

Account

Emails

Notifications

Billing

SSH and GPG keys

Security

Blocked users

Repositories

Organizations

Saved replies

Applications

Developer settings

SSH keys

New SSH key

This is a list of SSH keys associated with your account. Remove any keys that you do not recognize.

李庆主机

Fingerprint: 9a:1f:f9:c3:75:98:4a:30:7e:7d:9c:4b:42:66:d7:60

Added on 17 Sep 2017

Last used within the last 4 months — Read/write

Delete

Check out our guide to [generating SSH keys](#) or troubleshoot [common SSH Problems](#).

GPG keys

New GPG key

There are no GPG keys associated with your account.

Learn how to [generate a GPG key](#) and [add it to your account](#).

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2) 然后用文本工具打开之前生成的id\_rsa.pub文件，把内容拷贝到key下面的输入框，定义一个名称（通常用来区分不同主机）

SSH keys / Add new

Title

办公电脑

Key

ssh-rsa  
AAAAB3NzaC1yc2EAAAADAQABAAQDSSoKsCOzJZuXSQC0mVSZrVRD6XOHpexuwTQS/hxgbP5awlUp1Z/ARlwX0dl1SOl1HH3dcL5JTnx6pr8AYZytoT4iqi+jX2Bkr5IUuvU8oFUV2YJ7gS+GXUwwC6KXa86F3NcwPajkoV2By17GUHq+23dRyQ8b40oUx4UdrBSz+TLiklkl2pD/Np0lwDFNlVdxi/s817dO6M0ihnsiT46vwwSJzouoMaE+C1YrFh1QpE/GTmVKDV5vT/7zu+nxtFVs4m8zPdbqpvyOajtyulpaWPEserNeBGUAwLOjekGtZoFMXT1D5WrS9UdBEai/4yOAMgyw1E+aDCRrdtERy031 liq@openscanner.cn

Add SSH key

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3) 再次尝试用git方式下载，可以免密码登录github，提高效率。