

github windows 配置

此经验分两部分：

第一部分介绍：在windows下通过msysGit（Git for windows、Git Bash）配置SSH Keys连接GitHub。

第二部分介绍：在GitHub上创建仓库，在本地创建项目，然后将本地项目通过SSH提交到GitHub仓库中。

工具/原料

- GitHub
- msysGit（git for windows、Git Bash）

msysGit配置SSH访问GitHub

1.1

检查本机是否有ssh key设置

```
$ cd ~/.ssh 或 cd .ssh
```

如果没有则提示：No such file or directory

如果有则进入~/.ssh路径下（ls查看当前路径文件，rm * 删除所有文件）



window下配置SSH连接GitHub、GitHub配置ssh key

2.2

1、使用Git Bash生成新的ssh key。

```
$ cd ~ #保证当前路径在"~"下
```

```
$ ssh-keygen -t rsa -C "xxxxxx@yy.com" #建议填写自己真实有效的邮箱地址
```

Generating public/private rsa key pair.

Enter file in which to save the key (/c/Users/xxxx_000/.ssh/id_rsa): #不填直接回车

Enter passphrase (empty for no passphrase): #输入密码（可以为空）

Enter same passphrase again: #再次确认密码（可以为空）

Your identification has been saved in /c/Users/xxxx_000/.ssh/id_rsa. #生成的密钥

Your public key has been saved in /c/Users/xxxx_000/.ssh/id_rsa.pub. #生成的公钥

The key fingerprint is:

```
e3:51:33:xx:xx:xx:xx:xxx:61:28:83:e2:81 xxxxxx@yy.com
```

*本机已完成ssh key设置，其存放路径为：c:/Users/xxxx_000/.ssh/下。

注释：可生成ssh key自定义名称的密钥，默认id_rsa。

```
$ ssh-keygen -t rsa -C "邮箱地址" -f ~/.ssh/github_blog_keys #生成ssh key的名称为
```

github_blog_keys, 慎用容易出现其它异常。

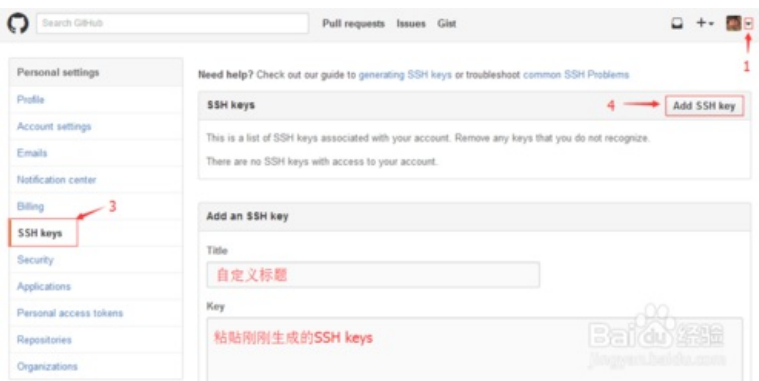
```
LENVOVO-PC ~/.ssh
$ cd ~
LENVOVO-PC ~
$ ssh-keygen -t rsa -C "xxxx_000@.com"
Generating public/private rsa key pair.
Enter file in which to save the key (/c/Users/xxxx_000/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /c/Users/xxxx_000/.ssh/id_rsa.
Your public key has been saved in /c/Users/xxxx_000/.ssh/id_rsa.pub.
The key fingerprint is:
e3:51:12:83:e2:5f:89:81 xxxx_000@.com
```

window下配置SSH连接GitHub、GitHub配置ssh key

3.3

添加ssh key到GitHub

3.1 登录GitHub系统；点击右上角账号头像的“▼”→Settings→SSH keys→Add SSH key。

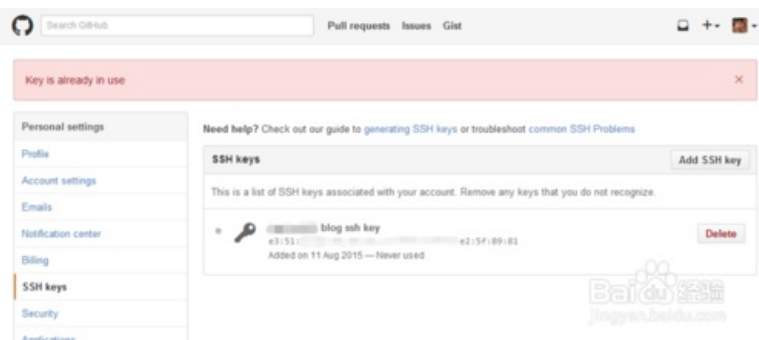


window下配置SSH连接GitHub、GitHub配置ssh key

4.4

3.2 复制id_rsa.pub的公钥内容。

- 1) 进入c:/Users/xxxx_000/.ssh/目录下，打开id_rsa.pub文件，全选复制公钥内容。
- 2) Title自定义，将公钥粘贴到GitHub中Add an SSH key的key输入框，最后“Add Key”。



window下配置SSH连接GitHub、GitHub配置ssh key

5.5

配置账户

```
$ git config --global user.name "your_username" #设置用户名
$ git config --global user.email "your_registered_github_Email" #设置邮箱地址(建议用注册github的邮箱)
```



```
MINGW32/c/Users/hgpin_000
@LENOVO-PC ~
$ git config --global user.email "hgpin_000@18.com"
$ git config --global user.name "hgpin_000"
$
```

window下配置SSH连接GitHub、GitHub配置ssh key

6.6

测试ssh keys是否设置成功。

```
$ ssh -T git@github.com
```

The authenticity of host 'github.com (192.30.252.129)' can't be established.

RSA key fingerprint is 16:27:xx:xx:xx:xx:xx:4d:eb:df:a6:48.

Are you sure you want to continue connecting (yes/no)? yes #确认你是否继续联系，输入yes

Warning: Permanently added 'github.com,192.30.252.129' (RSA) to the list of known hosts.

Enter passphrase for key '/c/Users/xxxx_000/.ssh/id_rsa': #生成ssh key是密码为空则无此项，若设置有密码则有此项且，输入生成ssh key时设置的密码即可。

Hi xxx! You've successfully authenticated, but GitHub does not provide shell access.

#出现这句话，说明设置成功。



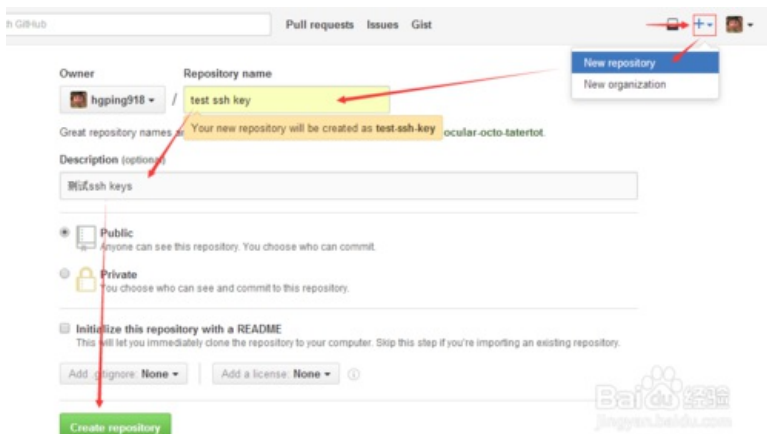
```
MINGW32/c/Users/hgpin_000
@LENOVO-PC ~
$ ssh -T git@github.com
The authenticity of host 'github.com (192.30.252.129)' can't be established.
RSA key fingerprint is 16:27:ac:a5:76:28:2d:36:63:1b:56:4d:eb:df:a6:48.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added 'github.com,192.30.252.129' (RSA) to the list of known hosts.
Enter passphrase for key '/c/Users/hgpin_000/.ssh/id_rsa':
Hi hgping918! You've successfully authenticated, but GitHub does not provide shell access.
$
```

window下配置SSH连接GitHub、GitHub配置ssh key

END

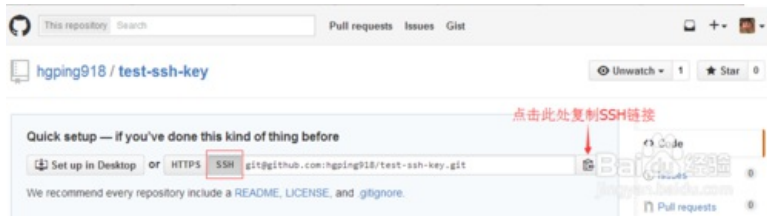
将本地项目通过SSH push到GitHub

1. 在github上创建一个示例仓库，如：test ssh key。



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2. 复制test ssh key的ssh路径。



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3. 本地创建项目

1) 创建目录

```
$ mkdir test
```

```
$ cd test
```

2) 初始化

```
$ git init
```

3) 创建hello.md文件

```
$ echo "这是一次测试test ssh key" > hello.md
```

4) 提交到本地

若出现如上warning提示则重新提交一次即可。

```
$ git add . #提交当前目录下所有文件
```

```
$ git commit -m "add hello.md" #提交记录说明
```

5) 提交到github

```
$ git remote add origin '粘贴复制test ssh key的ssh路径' #
```

```
$ git push -u origin master
```

Enter passphrase for key '/c/Users/hgpin_000/.ssh/id_rsa': #ssh key设置密码故此需要输入密码

```
MINGW32/c/Users/hgpin_000/test
Welcome to Git (version 1.9.4-preview20140611)
ID : hgping918

Run 'git help git' to display the help index.
Run 'git help <command>' to display help for specific commands.

hgpin_000@LENOVO-PC ~
$ mkdir test

hgpin_000@LENOVO-PC ~
$ cd test

hgpin_000@LENOVO-PC ~/test
$ git init
Initialized empty Git repository in c:/Users/hgpin_000/test/.git/

hgpin_000@LENOVO-PC ~/test (master)
$ echo "这是一次测试test ssh key" > hello.md

hgpin_000@LENOVO-PC ~/test (master)
$ ls
hello.md

hgpin_000@LENOVO-PC ~/test (master)
$ git add .

hgpin_000@LENOVO-PC ~/test (master)
$ git commit -m "add hello.md"
[master (root-commit) 31f2940] add hello.md
warning: LF will be replaced by CRLF in hello.md.
The file will have its original line endings in your working directory.
1 file changed, 1 insertion(+)
create mode 100644 hello.md

hgpin_000@LENOVO-PC ~/test (master)
$ The file will have its original line endings in your working directory.
sh.exe: The: command not found

hgpin_000@LENOVO-PC ~/test (master)
$ git remote add origin git@github.com:hgping918/test-ssh-key.git

hgpin_000@LENOVO-PC ~/test (master)
$ git push -u origin master
Enter passphrase for key '/c/Users/hgpin_000/.ssh/id_rsa':
Counting objects: 3, done.
Writing objects: 100% (3/3), 252 bytes | 0 bytes/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To git@github.com:hgping918/test-ssh-key.git
 * [new branch]      master -> master
Branch master set up to track remote branch master from origin.

hgpin_000@LENOVO-PC ~/test (master)
$
```

window下配置SSH连接GitHub、GitHub配置ssh key

4.4

刷新test ssh key仓库，查看hello.md。（完）