git学习笔记

（思路：github上的仓库用ssh来clone到本地，再修改user.name etc、config里面的url改为https）

一、如何clone（多账户）

1、将公匙添加到本地

如果没有添加


```
nesv@LAPTOP-OML5FMIN MINGW64 ~/Desktop
$ ssh -T git@gitee.com
git@gitee.com: Permission denied (publickey).
```

1、ssh -T git @github.com   （前面的git是不变的，后面的github是改为你自己设置的host，比如我的github2)

    这一步其实没什么用主要是看你本地有无存储私匙

2、ssh-agent bash

    启用ssh agent(大概)

3、ssh-add ~/.ssh/id_rsa_xxxxxx

    添加ssh私匙到里面（酱紫才能clone）

这次可见的是

解决方式

1. 先看本地是否有ssh文件

```
> cd ~/.ssh
> ls
id_rsa          id_rsa.pub      known_hosts
```

有则把公钥加到 github

```
>cat id_rsa.pub
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQDVRgHi3gPdBcQ... xxxx@163.com
```

2. github 添加公钥示意图

3. 如果以上操作问题还不能解决,并且执行 ssh -T git@github.com 出现如下提示，说明本地公钥没有问题，则看第5步

```
> ssh -T git@github.comHi youcanping! You've successfully authenticated, but GitHub does not provide shell access.
```

4. 看本地的.git/config设置的仓库url地址和github使用的链接地址是否一致如下图,如use https,则url需要用https的仓库地址，我的就是这个问题。

```
> cat .git/config
[core]
        repositoryformatversion = 0
        filemode = true
        bare = false
        logallrefupdates = true
        ignorecase = true
        precomposeunicode = true
[remote "origin"]
        url = https://github.com/youcanping/MyBlog.git
        fetch = +refs/heads/*:refs/remotes/origin/*
[branch "master"]
        remote = origin
        merge = refs/heads/master
```

5. 把公钥放到系统里[最佳答案]

```
> ssh-add ~/.ssh/id_rsa
> Identity added: /Users/youcanping/.ssh/id_rsa (/Users/youcanping/.ssh/id_rsa)
```

clone图片

解决方式

```
bash: /c/Users/nesv/.profile: is a directory

nesv@LAPTOP-OML5FMIN MINGW64 ~/Desktop
$ git clone git@github.com:xxwlive/summer.git
Cloning into 'summer'...
ERROR: Repository not found.
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.

nesv@LAPTOP-OML5FMIN MINGW64 ~/Desktop
$ ssh -T git@github2.com
Hi xxwlive! You've successfully authenticated, but GitHub does not provide shell
 access.

nesv@LAPTOP-OML5FMIN MINGW64 ~/Desktop
$ ssh-agent bash

nesv@LAPTOP-OML5FMIN MINGW64 ~/Desktop
$ ssh-add ~/.ssh/id_rsa_githubqq
Identity added: /c/Users/nesv/.ssh/id_rsa_githubqq (2807459163@qq.com)

nesv@LAPTOP-OML5FMIN MINGW64 ~/Desktop
$ git clone git@github.com:xxwlive/summer.git
Cloning into 'summer'...
remote: Enumerating objects: 24, done.
remote: Counting objects: 100% (24/24), done.
remote: Compressing objects: 100% (18/18), done.
remote: Total 24 (delta 1), reused 20 (delta 0), pack-reused 0
Receiving objects: 100% (24/24), done.
Resolving deltas: 100% (1/1), done.

nesv@LAPTOP-OML5FMIN MINGW64 ~/Desktop
$
```

二、如何push

问题在于上面的搞好了以后不知道为啥好像不能退出，可能ssh多仓库bug

1、修改url、以及user.name etc

将ssh链接修改为https链接

在.git 下面的config 文件里面修改（**蓝色字体样式**）

```
[core]
    repositoryformatversion = 0
    filemode = false
    bare = false
    logallrefupdates = true
    symlinks = false
    ignorecase = true
[remote "origin"]
    url = https://xxwlive@github.com/xxwlive/summer.git
    fetch = +refs/heads/:refs/remotes/origin/
[branch "main"]
    remote = origin
    merge = refs/heads/main

[user]
    name = xxw
    email = xxw@github2.com
```

然后ok了

2、死方法（bug？）

重复clone的步骤建立ssh链接

然后再push

```
bash: /c/Users/nesv/.profile: is a directory

nesv@LAPTOP-OML5FMIN MINGW64 ~/Desktop/summer (main)
$ git add .

nesv@LAPTOP-OML5FMIN MINGW64 ~/Desktop/summer (main)
$ git commit -m"jj
> "
[main 9146618] jj
 1 file changed, 1 insertion(+)

nesv@LAPTOP-OML5FMIN MINGW64 ~/Desktop/summer (main)
$ git push
ERROR: Repository not found.
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.

nesv@LAPTOP-OML5FMIN MINGW64 ~/Desktop/summer (main)
$ ssh-agent bash

nesv@LAPTOP-OML5FMIN MINGW64 ~/Desktop/summer (main)
$ ssh-add ~/.ssh/id_rsa_githubqq
Identity added: /c/Users/nesv/.ssh/id_rsa_githubqq (2807459163@qq.com)

nesv@LAPTOP-OML5FMIN MINGW64 ~/Desktop/summer (main)
$ git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 16 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 306 bytes | 306.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To github.com:xxwlive/summer.git
   b6cd82e..9146618  main -> main

nesv@LAPTOP-OML5FMIN MINGW64 ~/Desktop/summer (main)
$ 
```