通过 ssh 密钥访问 GitHub 被拒绝！！！！！！！！

admin@ZEBIN-GAO MINGW64 /d/BlueTryTest/bluetooth (master)
$ ssh -T git@github.com
kex_exchange_identification: read: Connection reset by peer

C:\Users\admin>ssh -vT git@github.com
OpenSSH_for_Windows_9.5p1, LibreSSL 3.8.2
debug1: Connecting to github.com [20.205.243.166] port 22.
debug1: Connection established.
debug1: identity file C:\\Users\\admin/.ssh/id_rsa type 0
debug1: identity file C:\\Users\\admin/.ssh/id_rsa-cert type -1
debug1: identity file C:\\Users\\admin/.ssh/id_ecdsa type -1
debug1: identity file C:\\Users\\admin/.ssh/id_ecdsa-cert type -1
debug1: identity file C:\\Users\\admin/.ssh/id_ecdsa_sk type -1
debug1: identity file C:\\Users\\admin/.ssh/id_ecdsa_sk-cert type -1
debug1: identity file C:\\Users\\admin/.ssh/id_ed25519 type -1
debug1: identity file C:\\Users\\admin/.ssh/id_ed25519-cert type -1
debug1: identity file C:\\Users\\admin/.ssh/id_ed25519_sk type -1
debug1: identity file C:\\Users\\admin/.ssh/id_ed25519_sk-cert type -1
debug1: identity file C:\\Users\\admin/.ssh/id_xmss type -1
debug1: identity file C:\\Users\\admin/.ssh/id_xmss-cert type -1
debug1: identity file C:\\Users\\admin/.ssh/id_dsa type -1
debug1: identity file C:\\Users\\admin/.ssh/id_dsa-cert type -1
debug1: Local version string SSH-2.0-OpenSSH_for_Windows_9.5
kex_exchange_identification: read: Connection reset
Connection reset by 20.205.243.166 port 22

正常情况应该是这样的
admin@ZEBIN-GAO MINGW64 /d/BlueTryTest/bluetooth (master)
$ ssh -T git@github.com
Hi ZebinGao! You've successfully authenticated, but GitHub does not provide shell access.

为此我尝试 n 多种解决方案
第一种
查看密钥的读写权限
admin@ZEBIN-GAO MINGW64 /d/BlueTryTest/bluetooth (master)
$ ls -al ~/.ssh
total 33
drwxr-xr-x 1 admin 197121   0 6 月 26 11:07 ./
drwxr-xr-x 1 admin 197121   0 6 月 26 09:46 ../
-rw-r--r-- 1 admin 197121 2610 6 月 26 09:48 id_rsa
-rw-r--r-- 1 admin 197121 185 6 月 26 11:07 known_hosts
进入到目录下修改密钥的权限

admin@ZEBIN-GAO MINGW64 /d/BlueTryTest/bluetooth (master)
$ cd C:/Users/admin/.ssh

admin@ZEBIN-GAO MINGW64 ~/.ssh
$ chmod 600 id_rsa
第二种
关闭所有防火墙
第三种
新建 config
在 ~/.ssh/config （没有就新建一个）文件中添加下面的配置即可，之后就可以正常操作了
Host github.com
    Hostname ssh.github.com
    Port 443
    User git
第四种
对比原来路径下文件，我把密钥和公钥，以及 known_hosts 都复制过来了，依旧无解。
第五种
我还进入属性里面，特地查看了一遍读写权限。

至此，我已经黔驴技穷了。

直到最后我打开 cmd，又试了一遍，发现了端倪。
C:\Users\admin>ssh -vT git@github.com
OpenSSH_for_Windows_9.5p1, LibreSSL 3.8.2
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debug1: identity file C:\\Users\\admin/.ssh/id_ecdsa_sk type -1
debug1: identity file C:\\Users\\admin/.ssh/id_ecdsa_sk-cert type -1
debug1: identity file C:\\Users\\admin/.ssh/id_ed25519 type -1
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debug1: identity file C:\\Users\\admin/.ssh/id_ed25519_sk type -1
debug1: identity file C:\\Users\\admin/.ssh/id_ed25519_sk-cert type -1
debug1: identity file C:\\Users\\admin/.ssh/id_xmss type -1
debug1: identity file C:\\Users\\admin/.ssh/id_xmss-cert type -1
debug1: identity file C:\\Users\\admin/.ssh/id_dsa type -1
debug1: identity file C:\\Users\\admin/.ssh/id_dsa-cert type -1
debug1: Local version string SSH-2.0-OpenSSH_for_Windows_9.5
kex_exchange_identification: read: Connection reset
Connection reset by 20.205.243.166 port 22
这个 IP 和 hosts 里面记录的 IP 不一致！Windows 操作系统的 hosts 不是写在这里的！

果真，我查到了之前修改 Windows 操作系统主机访问用的 hosts 的记录！！！

在路径下的 hosts 文件中，我还看见了我的注释。

C:\Windows\System32\drivers\etc

一切水落石出，果真还是防火墙的原因，GFW!!!

我去路径下添加了跳转的 IP 地址，140.82.112.4 github.com，一切恢复如初。

```
admin@ZEBIN-GAO MINGW64 ~/.ssh
$ cd D:/BlueTryTest

admin@ZEBIN-GAO MINGW64 /d/BlueTryTest (master)
$ ls
bluetooth/

admin@ZEBIN-GAO MINGW64 /d/BlueTryTest (master)
$ cd bluetooth

admin@ZEBIN-GAO MINGW64 /d/BlueTryTest/bluetooth (master)
$ ssh -T git@github.com
Hi ZebinGao! You've successfully authenticated, but GitHub does not provide shl
access.
```

作为验证，我删掉了这一行 IP，果真又不可访问了。知乎上有详细的说明

解决：无法注册 github – 知乎 zhuanlan.zhihu.com/p/437104474

关键在这几句

用这个网站查询 github.com 域名的地址

ipaddress.com