**前言**

在没有配置ssh的情况下使用ssh连接操作github库的时候会出现如下异常：

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9 | $ git clone git@github.com:linmuxi/test-git.git  Cloning into 'test-git'...  Warning: Permanently added the RSA host key for IP address '192.30.252.129' to the list of known hosts.  Permission denied (publickey).  fatal: Could not read from remote repository.  Please make sure you have the correct access rights  and the repository exists.  ~ |

**步骤**

前提是我们已经新建好了一个库test-git,ssh路径是：git@github.com:linmuxi/test-git.git

**1、检查ssh keys是否存在**

|  |  |
| --- | --- |
| 1 | $ ls -al ~/.ssh |

如果目录下面没有id\_rsa、id\_rsa.pub则表示key不存在

**2、生成ssh key**

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21 | $ ssh-keygen -t rsa -b 4096 -C "your\_email@example.com"  Generating public/private rsa key pair.  Enter file in which to save the key (/c/Users/Hunter/.ssh/id\_rsa):  Enter passphrase (empty for no passphrase):  Enter same passphrase again:  Your identification has been saved in /c/Users/Hunter/.ssh/id\_rsa.  Your public key has been saved in /c/Users/Hunter/.ssh/id\_rsa.pub.  The key fingerprint is:  SHA256:7KwlOZ4yljBZE2ZJ7dr8QGIyQeiPk49L+01fnC0hAZY your\_email@example.com  The key's randomart image is:  +---[RSA 4096]----+  | o...=. |  |. . \*Eo |  |. + o . |  | .o = o.. |  | +\* B .S. |  | ++.. ++o + |  | .+o o+o+= . |  |....B..\*o . |  | ooo ++. |  +----[SHA256]-----+ |

**3、将ssh key添加到ssh-agent**

先确认ssh-agent是可用的

|  |  |
| --- | --- |
| 1  2 | $ eval $(ssh-agent -s)  Agent pid 20632 |

将ssh key添加到ssh-agent

|  |  |
| --- | --- |
| 1  2 | $ ssh-add ~/.ssh/id\_rsa  Identity added: /c/Users/Hunter/.ssh/id\_rsa (/c/Users/Hunter/.ssh/id\_rsa) |

**4、将ssh key配置到github**

复制key内容

|  |  |
| --- | --- |
| 1 | $ clip < ~/.ssh/id\_rsa.pub |

配置key到github  
登录github->选择Settings->SSH keys->New SSH key

测试ssh key的配置情况

|  |  |
| --- | --- |
| 1  2  3 | $ ssh -t git@github.com  Warning: Permanently added the RSA host key for IP address '192.30.252.128' to the list of known hosts.  PTY allocation request failed on channel 0 |

到这里就配置好了

再次执行clone操作：

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8 | $ git clone git@github.com:linmuxi/test-git.git  Cloning into 'test-git'...  remote: Counting objects: 56, done.  remote: Compressing objects: 100% (34/34), done.  remote: Total 56 (delta 4), reused 0 (delta 0), pack-reused 8  Receiving objects: 100% (56/56), 5.42 KiB | 0 bytes/s, done.  Resolving deltas: 100% (4/4), done.  Checking connectivity... done. |

[# Git](http://www.linmuxi.com/tags/Git/)