```
root@richard-virtual-machine:~# git clone git@github.com:brianpow/firmware-mod-kit.git
正克隆到 'firmware-mod-kit'...
The authenticity of host 'github.com (192.30.253.113)' can't be established.
RSA key fingerprint is SHA256:nThbg6kXUpJWGl7E1IGOCspRomTxdCARLviKw6E5SY8.
Are you sure you want to continue connecting (yes/no)? y
Please type 'yes' or 'no': yes
Warning: Permanently added 'github.com,192.30.253.113' (RSA) 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.
```

下载失败!

```
root@richard-virtual-machine:~# git config --global user.name "richard1230"
root@richard-virtual-machine:~# git config --global user.email "huyongjinnuaa@163.com"
root@richard-virtual-machine:~# ssh
usage: ssh [-1246AaCfGgKkMNnqsTtVvXxYy] [-b bind_address] [-c cipher_spec]
           [-D [bind_address:]port] [-E log_file] [-e escape_char]
           [-F configfile] [-I pkcs11] [-i identity_file]
           [-L [bind_address:]port:host:hostport] [-l login_name] [-m mac_spec]
           [-O ctl_cmd] [-o option] [-p port]
           [-Q cipher | cipher-auth | mac | kex | key]
           [-R [bind_address:]port:host:hostport] [-S ctl_path] [-W host:port]
           [-w local_tun[:remote_tun]] [user@]hostname [command]
root@richard-virtual-machine:~# ssh-keygen -t rsa
Generating public/private rsa key pair.
Enter file in which to save the key (/root/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /root/.ssh/id_rsa.
Your public key has been saved in /root/.ssh/id_rsa.pub.
The key fingerprint is:
SHA256:l6F263f09nNglbe5BO3x76TGh15OGWj1N0WLbzmCiR4 root@richard-virtual-machine
The key's randomart image is:
+---[RSA 2048]----+
|               . |
|             ...|
|         .  ..oo|
|        ..oo.++*|
|       SE+o +oOO|
|      ..o... *=B|
|       .. +.=*|
|        .  . =O*|
|         .. +o+B|
+----[SHA256]-----+
root@richard-virtual-machine:~#
```

三次回车

```
-rw-------  1 root root       679 10月  18 16:04 .xsession-errors
-rw-------  1 root root      3653 10月  18 16:01 .xsession-errors.old
drwxr-xr-x  2 root root      4096  8月  16 20:31 公共的/
drwxr-xr-x  2 root root      4096  8月  16 20:31 模板/
drwxr-xr-x  2 root root      4096  8月  16 20:31 视频/
drwxr-xr-x  2 root root      4096  8月  16 20:31 图片/
drwxr-xr-x  2 root root      4096  8月  16 20:31 文档/
drwxr-xr-x  2 root root      4096  8月  16 20:31 下载/
drwxr-xr-x  2 root root      4096  8月  16 20:31 音乐/
drwxr-xr-x  2 root root      4096  8月  16 20:31 桌面/
root@richard-virtual-machine:~# cd .ssh
root@richard-virtual-machine:~/.ssh# ls
id_rsa  id_rsa.pub  known_hosts
root@richard-virtual-machine:~/.ssh#
```

SSH keys

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

huyon@LAPTOP-BDAHAE0K
Fingerprint: c2:f4:ff:97:e2:c7:12:68:5b:c6:c4:e0:fc:30:db:6e
Added on 3 Oct 2018
Last used within the last week — Read/write

Delete

New SSH key

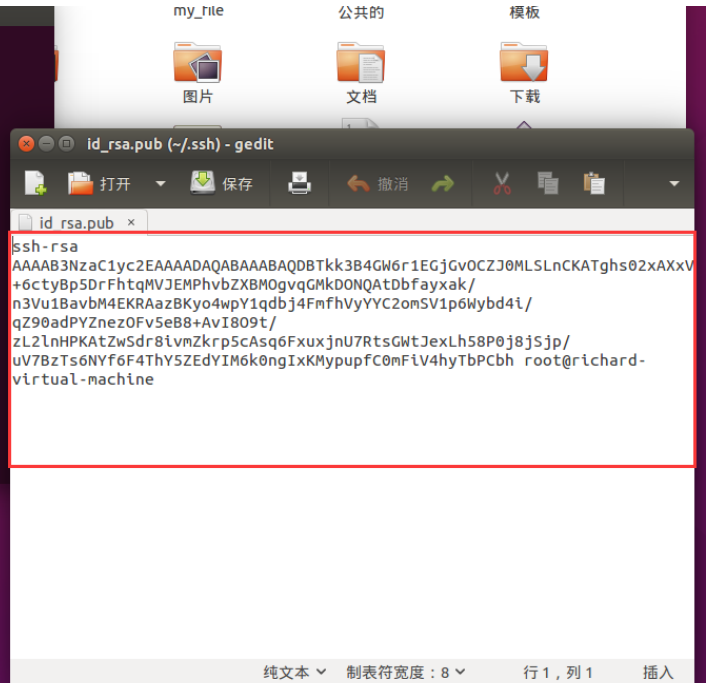Check out our guide to generating SSH keys or troubleshoot common SSH Problems.

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.

Personal settings
- Profile
- Account
- Emails
- Notifications
- Billing
- SSH and GPG keys
- Security
- Sessions
- Blocked users
- Repositories
- Organizations

SSH keys / Add new

Title

Key

```
ssh-rsa
AAAAB3NzaC1yc2EAAAADAQABAAABAQDBTkk3B4GW...CZJ0MLSLnCKATghs02xAXxVP3h0MlH4DmHd8fzF
5JSbOqScbsrhePXmLix8z7FfhNiocsiFzHuzC8sM+6ctyBp5...PhvbZXBMOgvqGMkDONQAtDbfayxak/n3Vu
1BavbM4EKRAazBKyo4wpY1qdbj4FmfhVyYYC2omSV1p...yb...adPYZnezOFv5eB8+AvI8O9t/zL2lnHPKAtZwS
dr8ivmZkrp5cAsq6FxuxjnU7RtsGWtJexLh58P0j8jSjp/uV7...N...hY5ZEdYIM6k0ngIxKMypupfC0mFiV4hyTbPCb
h root@richard-virtual-machine
```

Add SSH key

Personal settings
- Profile
- Account
- Emails
- Notifications
- Billing
- SSH and GPG keys
- Security
- Sessions
- Blocked users
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- Organizations

我们只需要将公钥 `id_rsa.pub` 的内容粘贴到 `Key` 处的位置（ `Titles` 的内容不填写也没事），然后点

击 `Add SSH key` 即可

root@richard-virtual-machine
Fingerprint: c9:67:c4:80:c9:a3:cb:c3:9e:b3:a1:60:f6:94:32:75
Added on 18 Oct 2018
Never used — Read/write

Delete

测试成功:

`ssh -T git@github.com`

```
drwxr-xr-x  2 root root      4096  8月 16 20:31 下载/
drwxr-xr-x  2 root root      4096  8月 16 20:31 音乐/
drwxr-xr-x  2 root root      4096  8月 16 20:31 桌面/
root@richard-virtual-machine:~# cd .ssh
root@richard-virtual-machine:~/.ssh# ls
id_rsa  id_rsa.pub  known_hosts
root@richard-virtual-machine:~/.ssh# gedit id_rsa.pub
root@richard-virtual-machine:~/.ssh# ssh -T git@github.com
Warning: Permanently added the RSA host key for IP address '192.30.253.112' to t
he list of known hosts.
Hi richard1230! You've successfully authenticated, but GitHub does not provide s
hell access.
root@richard-virtual-machine:~/.ssh#
```

```
/root
root@richard-virtual-machine:~# git clone git@github.com:brianpow/firmware-mod-kit.git
正克隆到 'firmware-mod-kit'...
remote: Enumerating objects: 3348, done.
remote: Total 3348 (delta 0), reused 0 (delta 0), pack-reused 3348
接收对象中: 100% (3348/3348), 10.00 MiB | 685.00 KiB/s, 完成.
处理 delta 中: 100% (1725/1725), 完成.
检查连接... 完成。
root@richard-virtual-machine:~# ls
debian_squeeze_mips_standard.qcow2  ida.sh                  公共的  文档
firmware-mod-kit                    ida.sh~                 模板    下载
hello                               my_file                 视频    音乐
ida                                 vmlinux-2.6.32-5-4kc-malta  图片    桌面
root@richard-virtual-machine:~#
```

下载成功!

`git clone git@github.com:brianpow/firmware-mod-kit.git`