

生成ssh 密钥对的三种方式

第一种方式，linux 命令生成

```
1 sudo ssh-keygen -t rsa -b 2048
```

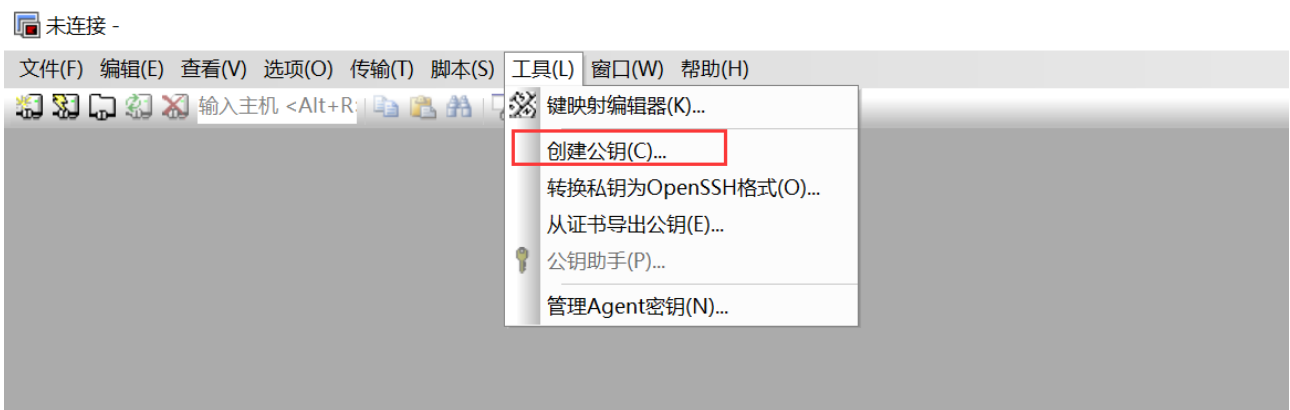
```
[zero@host ~]$ sudo ssh-keygen -t rsa -b 2048
Generating public/private rsa key pair.
Enter file in which to save the key (/root/.ssh/id_rsa): /home/zero/test_rsa
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/zero/test_rsa.
Your public key has been saved in /home/zero/test_rsa.pub.
The key fingerprint is:
b4:c5:89:03:87:53:e8:a4:b1:d3:72:31:cf:6c:7b:1e root@host.localdomain
The key's randomart image is:
+--[ RSA 2048 ]-----+
|      .+O      |
|    . Bo o .   |
|   B B+ +     |
|  = +. =+     |
| + .S.        |
|   . E        |
|    O .       |
|      .       |
+-----+
[zero@host ~]$ ls
test_rsa test_rsa.pub
[zero@host ~]$
```

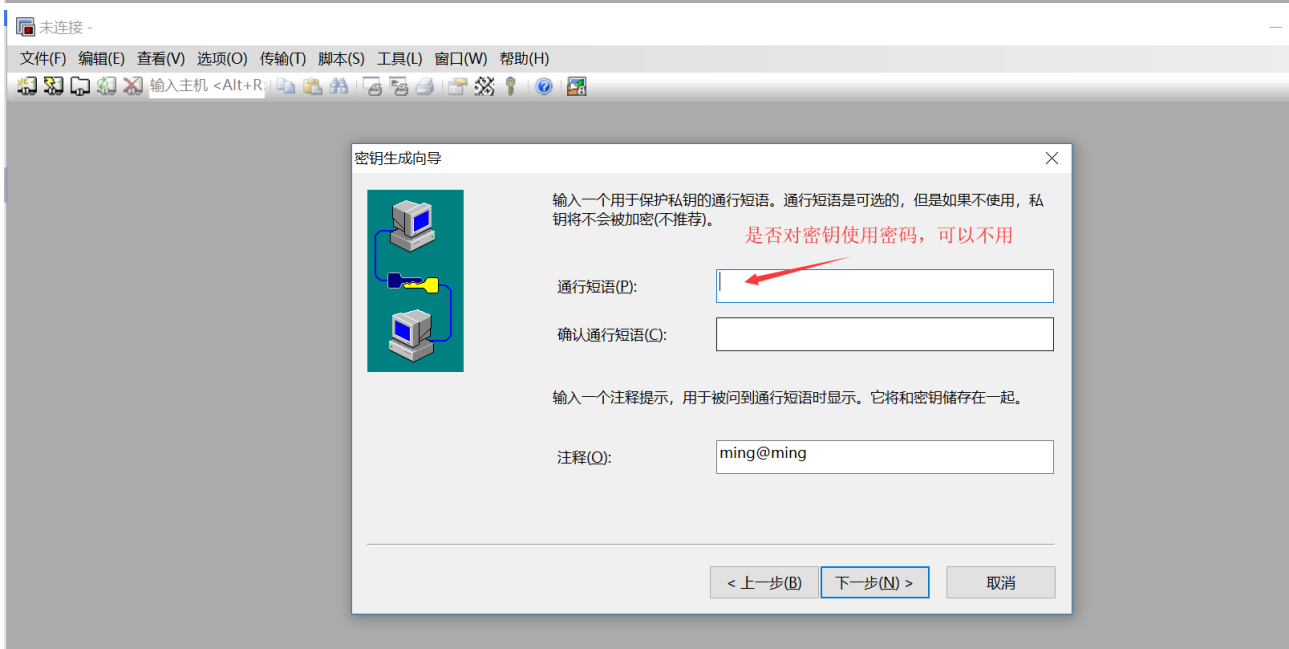
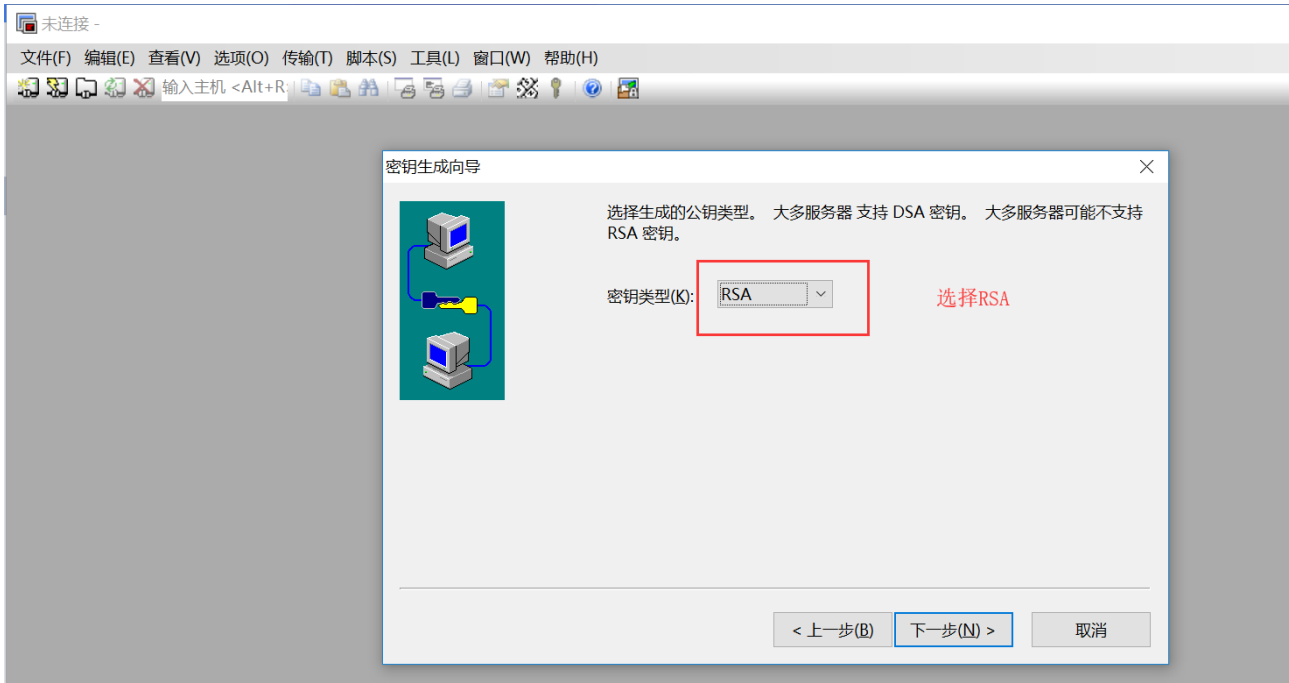
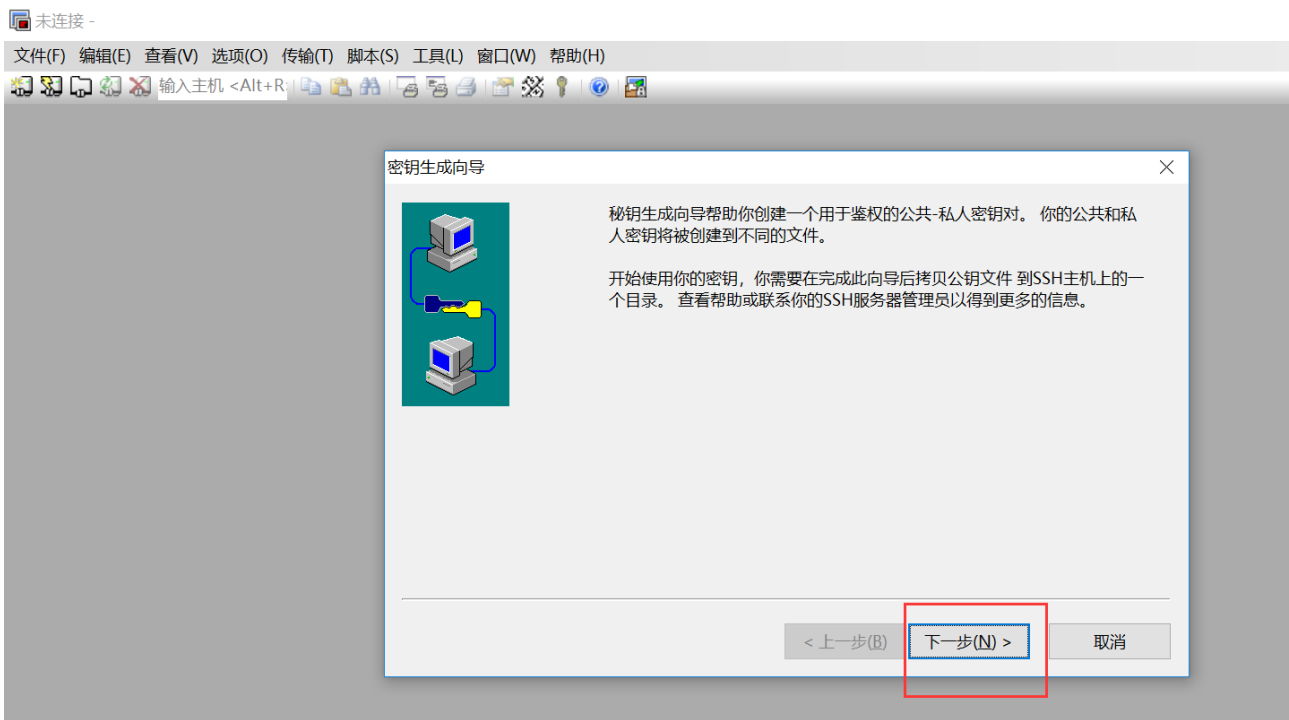
保存的位置，test_rsa是密钥对的名
称

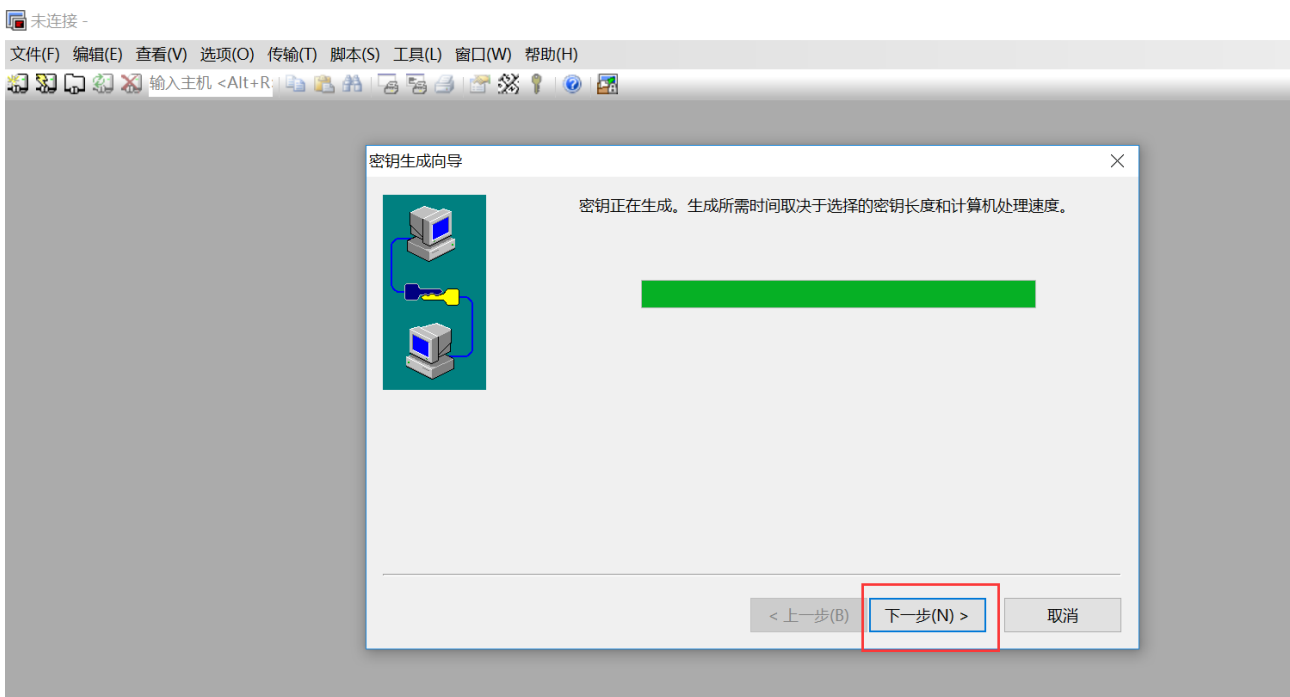
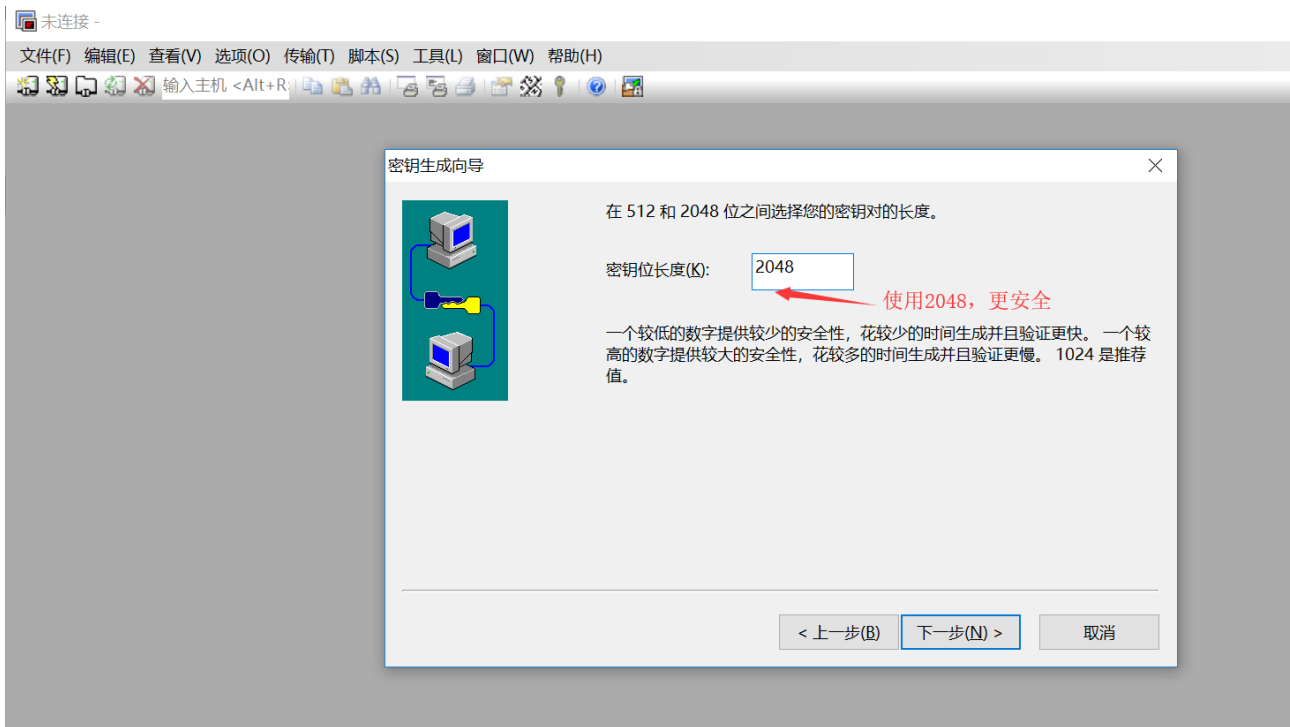
使用密钥登陆时，是否需要密码

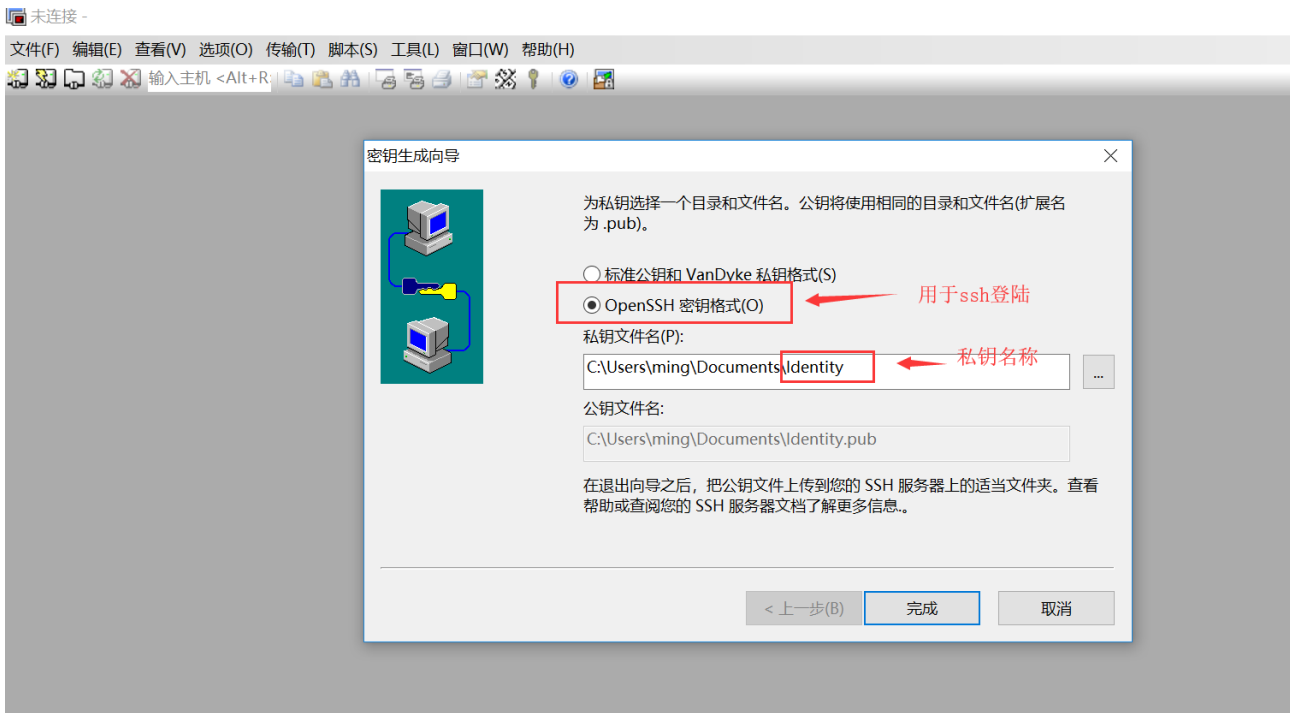
生成的密钥对

第二种方式，SecureCRT 工具生成



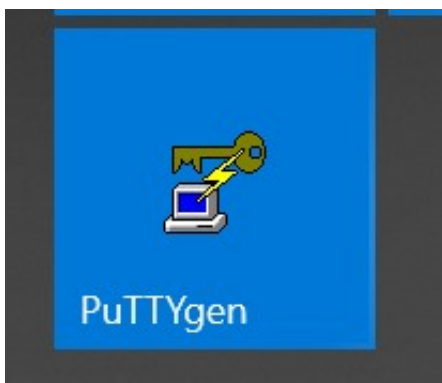






最后到对应的路径找到密钥对

第三种方式，putty工具 PuTTYgen





PuTTY Key Generator



File Key Conversions Help

Key

No key.

Actions

Generate a public/private key pair

Generate

Load an existing private key file

Load

Save the generated key

Save public key

Save private key

Parameters

Type of key to generate:

☒ RSA

☐ DSA

☐ ECDSA

☐ ED25519

☐ SSH-1 (RSA)

Number of bits in a generated key:

2048



PuTTY Key Generator



File Key Conversions Help

Key

Please generate some randomness by moving the mouse over the blank area.



鼠标不断在此区域滑动

Actions

Generate a public/private key pair

Generate

Load an existing private key file

Load

Save the generated key

Save public key

Save private key

Parameters

Type of key to generate:



RSA



DSA



ECDSA




ED25519



SSH-1 (RSA)

Number of bits in a generated key:

2048

 PuTTY Key Generator

FileKeyConversionsHelp

Key

Public key for pasting into OpenSSH authorized_keys file:

ssh-rsa
AAAAB3NzaC1yc2EAAAABJQAAAQEAyEPadAD6xnGvLaFTqhzKSGno1XMDBdGGB
aGNyp+i1G85suB6hHblMUeXcU6lc7H3mtGu7M4Mxugcgf2hoZLg1viQlKpS4nk2+
+yWVxY2AlreJC5l+HS8pM6fYyedla/9vC3XCZjZytHobAGq+
+FeuD3h88okDb7HAbnRdgqssvek3lsOmV1QngWc6ve5hOIdu3qNyBsyy2eYXvPDr62a

Key fingerprint:

ssh-rsa 2048 a2:34:48:a4:bc:f3:e9:5d:f4:aa:20:c6:dd:6c:b8:bc

Key comment:

rsa-key-20180728

Key passphrase:

Confirm passphrase:

Actions

Generate a public/private key pair

Generate

Load an existing private key file

Load

Save the generated key

Save public key

Save private key

Parameters

Type of key to generate:

☒ RSA

☐ DSA

☐ ECDSA


☐ ED25519

☐ SSH-1 (RSA)

Number of bits in a generated key:

2048

公钥:

 PuTTY Key Generator ×

File Key Conversions Help

Key 复制以下所有，创建一个 .pub 文件保存

Public key for pasting into OpenSSH authorized keys file:

```
ssh-rsa
AAAAB3NzaC1yc2EAAAABJQAAAQEAyEPadAD6xnGvLaFTqhzKSGno1XMDBdGGB
aGNyp+i1G85suB6hHblMUeXcU6lc7H3mtGu7M4Mxugcgf2hoZLg1viQlKpS4nk2+
+yWVxY2AlreJC5l+HS8pM6fYyedla/9vC3XCZjZytHobAGq+
+FeuD3h88okDb7HAbnRdgqssvek3lsOmV1QngWc6ve5hOIdu3qNyBsyy2eYXvPDr62a
```

Key fingerprint: ssh-rsa 2048 a2:34:48:a4:bc:f3:e9:5d:f4:aa:20:c6:dd:6c:b8:bc

Key comment: rsa-key-20180728

Key passphrase:

Confirm passphrase:

Actions

Generate a public/private key pair Generate

Load an existing private key file Load

Save the generated key Save public key Save private key

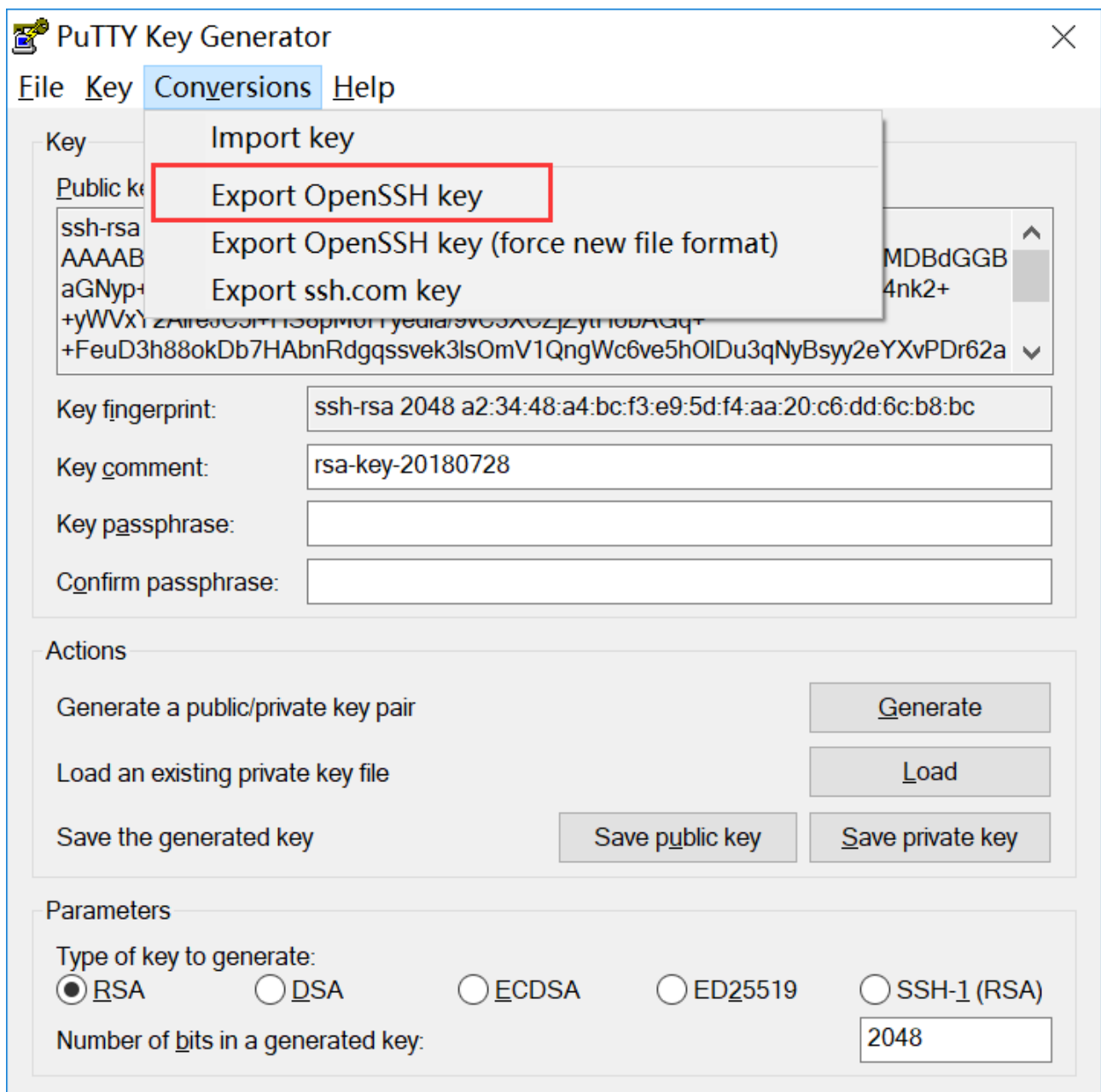
Parameters

Type of key to generate:

☒ RSA ☐ DSA ☐ ECDSA ☐ ED25519 ☐ SSH-1 (RSA)

Number of bits in a generated key:

私钥:



参考

[密钥生成](#)

[密钥登陆设置1](#)

[密钥登陆设置2](#)