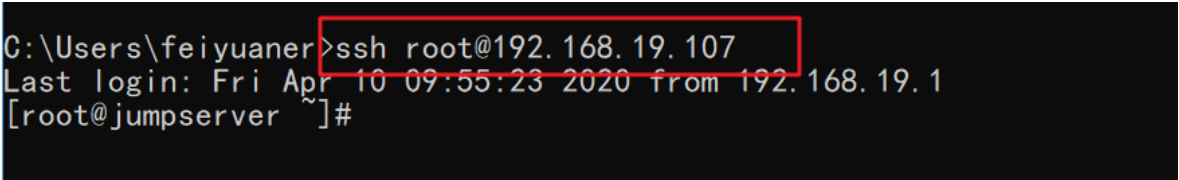# windows如何使用ssh客户端工具

1、 常见ssh客户端

基于ssh协议

1、第三方厂商开发

mobaxterm、xshell、SecureCRT、finalshell、putty(很小)

2、windows默认版本

默认window之前版本没有openssh,新版系统 右键徽标=>运行=>cmd 在cmd中使用ssh

```
C:\Users\feiyuaner>ssh root@192.168.19.107
Last login: Fri Apr 10 09:55:23 2020 from 192.168.19.1
[root@jumpserver ~]#
```
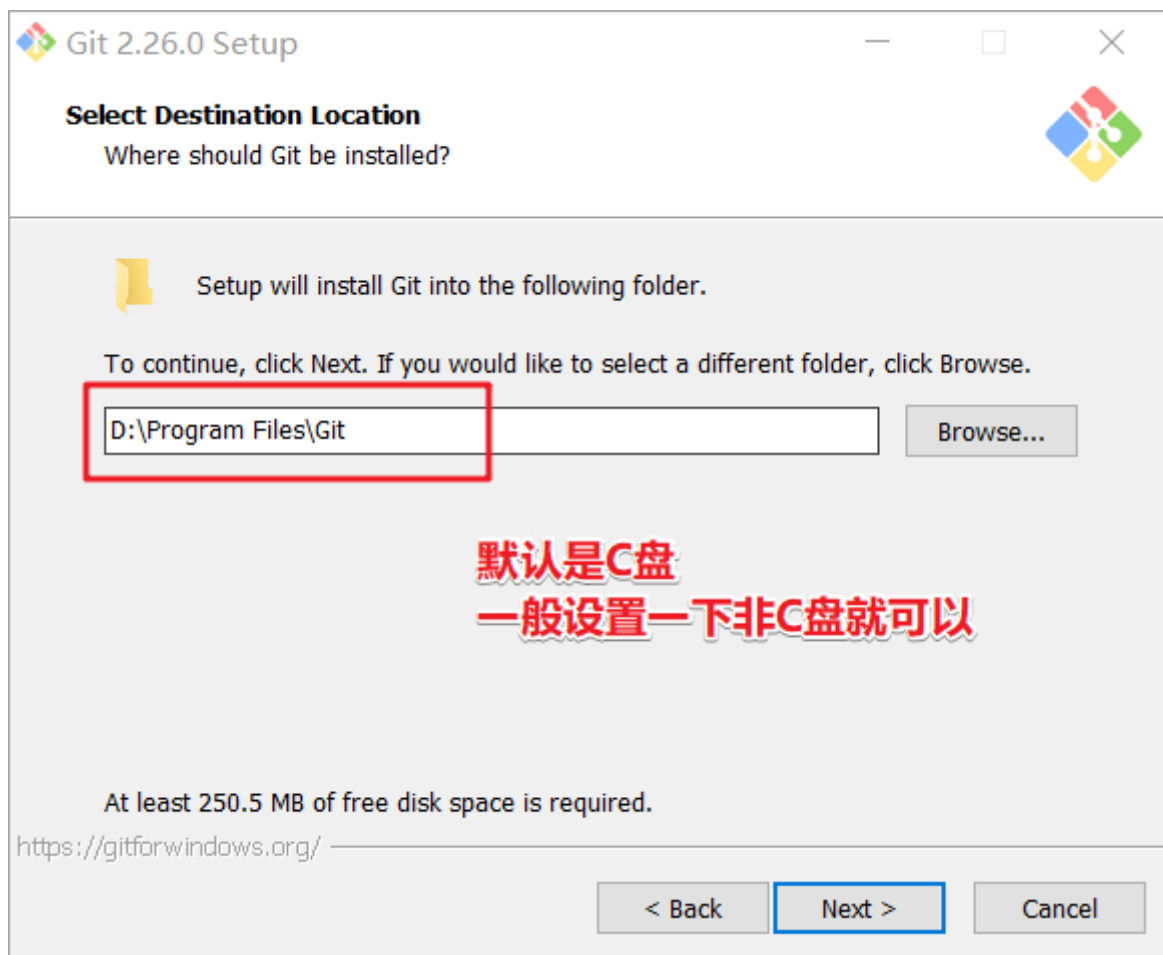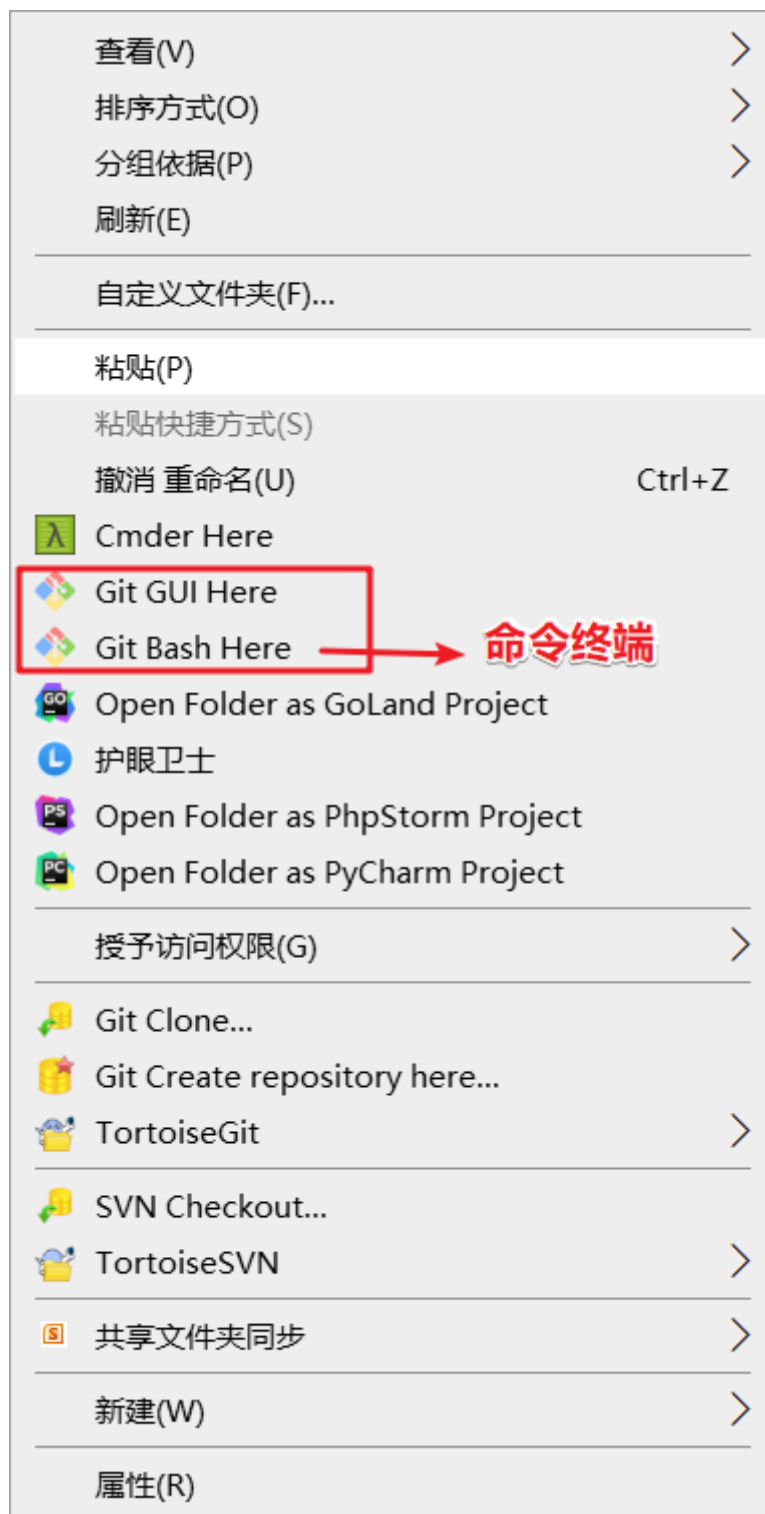
3、其他一些命令终端

有一些软件带了ssh git-bash cmder

免密登录

2、 gitbash

1、安装

安装过程和安装其他软件基本无异。需要注意一下软件安装的位置，其他默认下一步next

2、使用

安装好软件之后，鼠标右键会出现以下菜单

3、windows连接linux免密登录

①生成密钥对

```
feiyuaner@DESKTOP-J091O2O MINGW64 ~/.ssh
$ pwd
/c/Users/feiyuaner/.ssh                    找到对应的用户家目录

feiyuaner@DESKTOP-J091O2O MINGW64 ~/.ssh
$ ls
known_hosts

feiyuaner@DESKTOP-J091O2O MINGW64 ~/.ssh
$ ssh-keygen                               生成密钥对
Generating public/private rsa key pair.
Enter file in which to save the key (/c/Users/feiyuaner/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /c/Users/feiyuaner/.ssh/id_rsa
Your public key has been saved in /c/Users/feiyuaner/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:LgfmlI+bROwakC/vCsFrh1uHpO6MGsOAsHZTeQx4IoY feiyuaner@DESKTOP-J091O2O
The key's randomart image is:
+---[RSA 3072]----+
|.    ..          |
|Eo o .+          |
|o . oo o         |
|+. .....         |
|=oo+  B S        |
|+.*oo* =         |
|+*.+o.* +        |
|=++o.+ =         |
```

②添加公钥到服务端

```
root@jumpserver:~
feiyuaner@DESKTOP-J091O2O MINGW64 ~/.ssh
$ pwd
/c/Users/feiyuaner/.ssh

feiyuaner@DESKTOP-J091O2O MINGW64 ~/.ssh      在对应家目录里，确认生成了公私钥
$ ls
id_rsa  id_rsa.pub  known_hosts

feiyuaner@DESKTOP-J091O2O MINGW64 ~/.ssh      上传公钥到服务器端
$ ssh-copy-id root@192.168.19.107
/usr/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/c/Users/feiyuaner/.ssh/id_rsa.pub"
/usr/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter out any that are already installed
/usr/bin/ssh-copy-id: INFO: 1 key(s) remain to be installed -- if you are prompted now it is to install the new keys
root@192.168.19.107's password:

Number of key(s) added: 1

Now try logging into the machine, with:   "ssh 'root@192.168.19.107'"
and check to make sure that only the key(s) you wanted were added.

feiyuaner@DESKTOP-J091O2O MINGW64 ~/.ssh
$ ssh root@192.168.19.107                    直接登录测试
Last login: Fri Apr 10 09:50:00 2020 from 192.168.19.1
[root@jumpserver ~]#
```