

准备说明

因大部分人都是在 Windows 下使用，所以我这里给出的操作以 Windows 为主。

使用之前确保以下几点：

- 电脑已经连网
- 键盘鼠标不罢工
- 成为七月在线 VIP 学员

软件说明

GPU 服务器连接需要安装一些软件，当然并非必须（如果你是操作系统大神，请忽略这篇文档）。

这里推荐一些好用、实用、耐用的连接软件：

Xshell

- 用于通过互联网连接到远程服务器
- 传送门：群文件

WinSCP

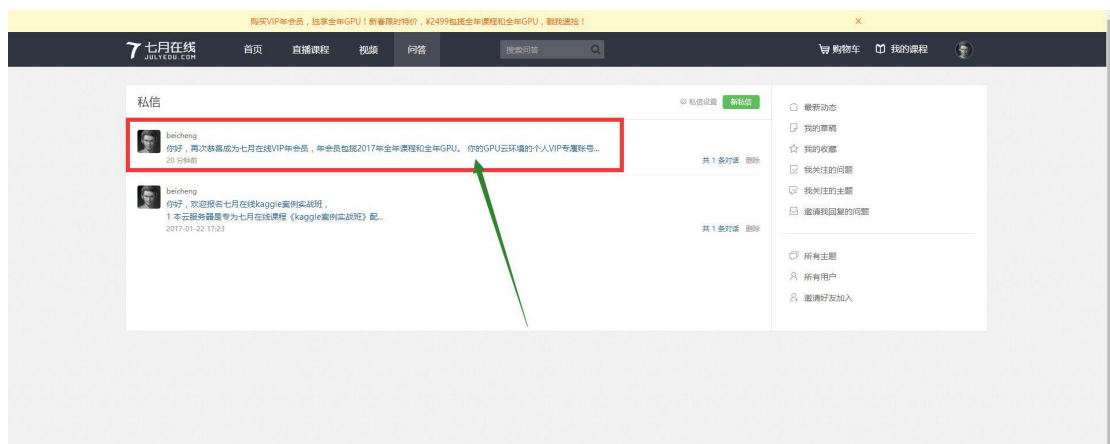
- 用于文件传输
- 传送门：群文件

部署配置

找到私信内容

打开<七月在线官网首页>--点击<私信>如下图所示

打开 GPU 信息私信

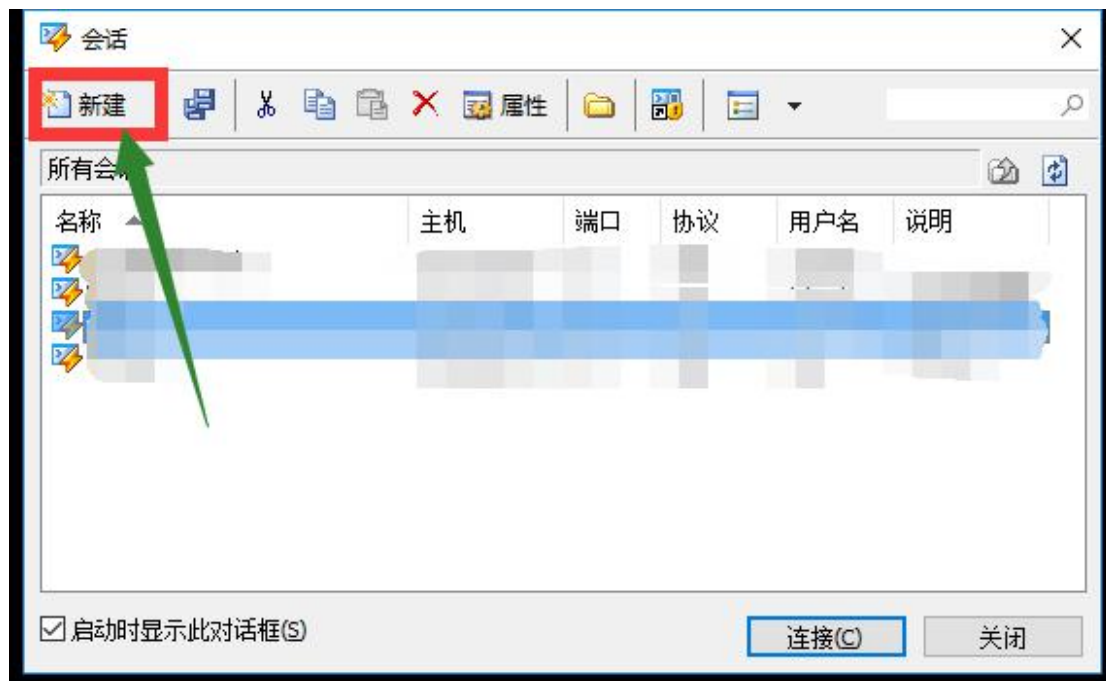


找到图中红框所列信息

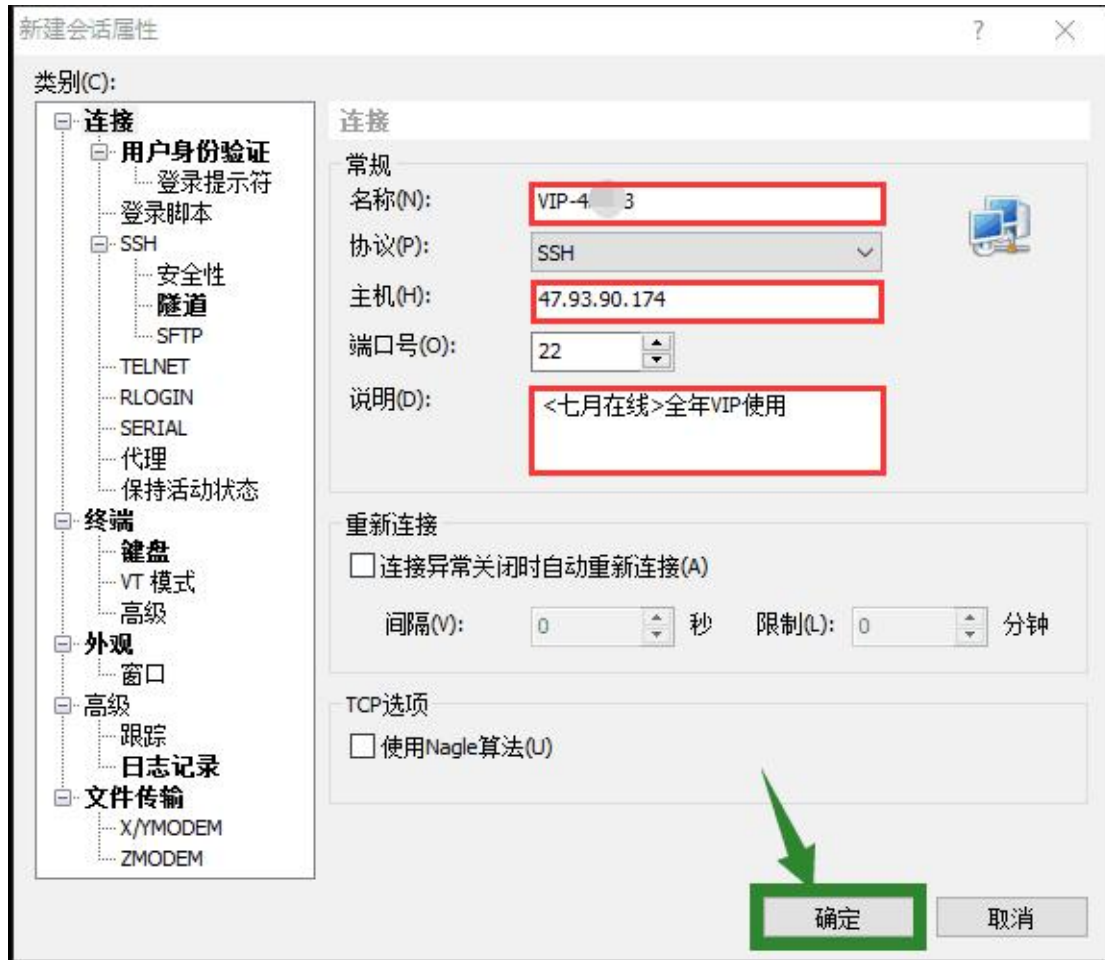


配置 Xshell 用于登陆远程服务器

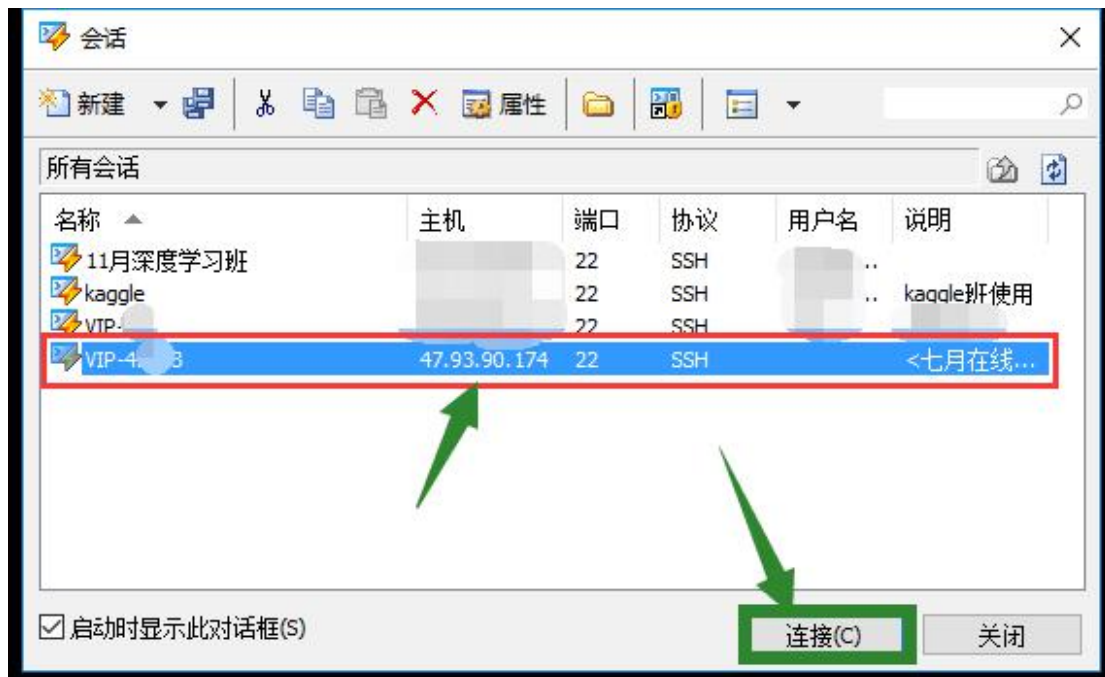
点击新建



输入私信中所给的主机 IP 地址如下图, 其余信息自行补充



选择刚刚新建的会话，点击连接



输入私信中所给用户名，懒癌重症者可以选择记住用户名（仅在自己电脑下，以防信息泄露）

SSH 用户名

远程主机: 47.93.90.174:22 (VIP-4 3)

服务器类型: SSH2, OpenSSH_7.2p2 Ubuntu-

请输入登录的用户名(E):

julyedu_4. 3

☒ 记住用户名(R)

确定 取消

输入私信中所给密码，懒癌重症者可以选择记住密码（仅在自己电脑下，以防信息泄露）

SSH用户身份验证

远程主机: 47.93.90.174:22 (VIP-4 3)

登录名: julyedu_4. 3

服务器类型: SSH2, OpenSSH_7.2p2 Ubuntu-4ut

请在下面选择恰当的身份验证方法并提供登录所需的信息。

☒ Password(P)

密码(W):

☐ Public Key(U)

用户密钥(K): 浏览(B)...

密码(H):

☐ Keyboard Interactive(I)

使用键盘输入用户身份验证。

☒ 记住密码(R)

确定 取消

之后会出现如下图所示信息，此时我们身处跳板机，输入 `gpu` 后回车

```
VIP-43853 - Xshell 5 (Free for Home/School)
Xshell 5 (Build 1060)
Copyright (c) 2002-2017 NetSarang Computer, Inc. All rights reserved.
Type 'help' to learn how to use Xshell prompt.
[~]-
Connecting to 47.93.90.174:22...
Connection established.
To escape to local shell, press 'Ctrl+Alt+J'.
Connection closed by foreign host.
Disconnected from remote host(VIP-43853) at 16:13:42.
Type 'help' to learn how to use Xshell prompt.
[~]-
Connecting to 47.93.90.174:22...
Connection established.
To escape to local shell, press 'Ctrl+Alt+J'.
Welcome to Ubuntu 16.04.1 LTS (GNU/Linux 4.4.0-57-generic x86_64)
 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage
The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/*copyright.
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.
Welcome to Alibaba Cloud Elastic Compute Service !
julyedu_43853@JULYEDU-T1:~$ gpu
```

第一次登陆会让你输入 yes，之后回车

```
VIP-43853 - Xshell 5 (Free for Home/School)
Copyright (c) 2002-2017 NetSarang Computer, Inc. All rights reserved.
Type 'help' to learn how to use Xshell prompt.
[~]-
Connecting to 47.93.90.174:22...
Connection established.
To escape to local shell, press 'Ctrl+Alt+J'.
Connection closed by foreign host.
Disconnected from remote host(VIP-43853) at 16:13:42.
Type 'help' to learn how to use Xshell prompt.
[~]-
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Connection established.
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 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage
The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/*copyright.
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.
Welcome to Alibaba Cloud Elastic Compute Service !
julyedu_43853@JULYEDU-T1:~$ gpu
The authenticity of host '10.26.8.77 (10.26.8.77)' can't be established.
ECDSA key fingerprint is SHA256:E0NNH94BY6/uULjuxjvaS9D+AFLUZ5lNEC19sIjqXJo.
Are you sure you want to continue connecting (yes/no)? yes
```

此时会提示输入密码，密码就是你刚刚输入的跳板机密码，也就是私信中给的唯一的密码

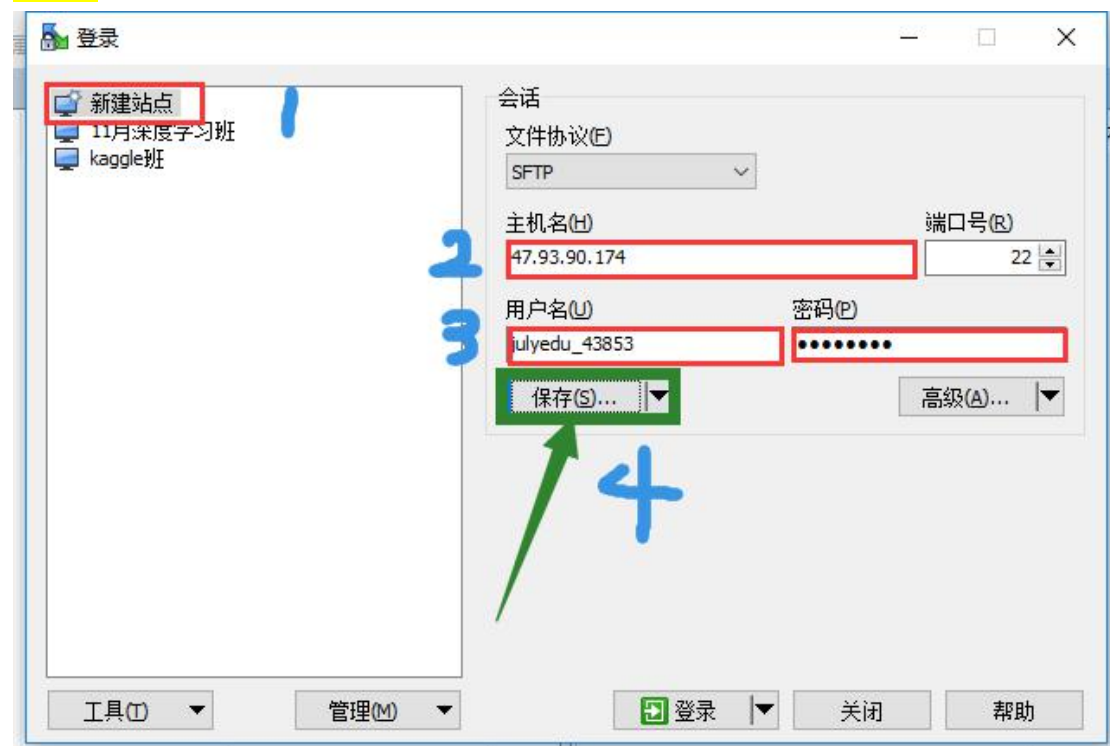
```
julyedu_43853@JULYEDU-T1:~$ gpu
The authenticity of host '10.26.8.77 (10.26.8.77)' can't be established.
ECDSA key fingerprint is SHA256:E0NNH94BY6/uULjuxjvaS9D+AFLUZ5lNEC19sIjqXJo.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '10.26.8.77' (ECDSA) to the list of known hosts.
julyedu_43853@10.26.8.77's password:
[julyedu_43853@JULYEDU-GPU1 ~]$
```

之后恭喜你，已经连接到 GPU 服务器，按照私信给的提示试着操作一下吧

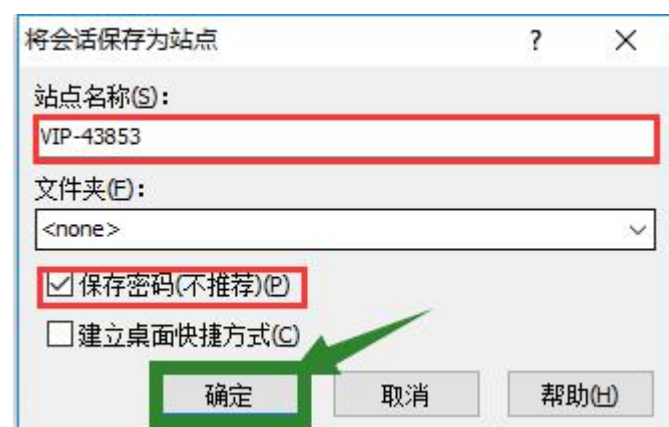
4. 测试深度学习库：在python环境import tensorflow as tf and import mxnet as mx，无报错表明Tensorflow与mxnet可用，cd /home/deeplearning/caffe切换目录，执行 ./examples/cifar10/train_quick.sh，正常运行表明caffe库可用

配置 WinSCP 用于文件传输

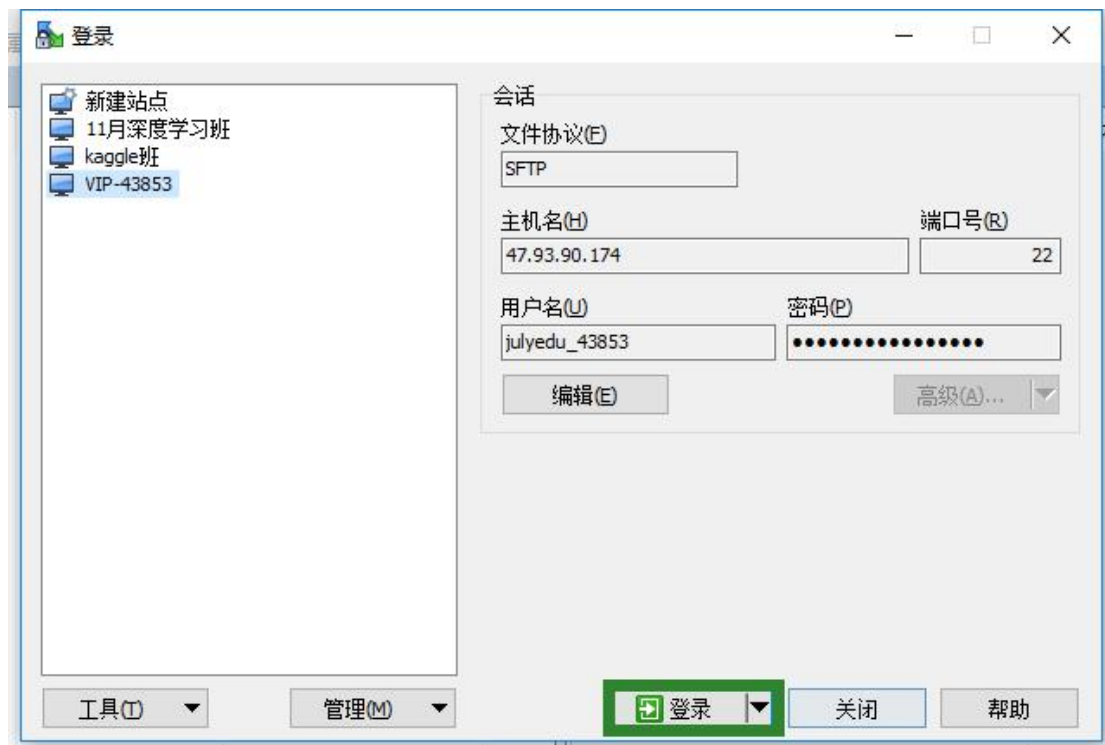
打开入



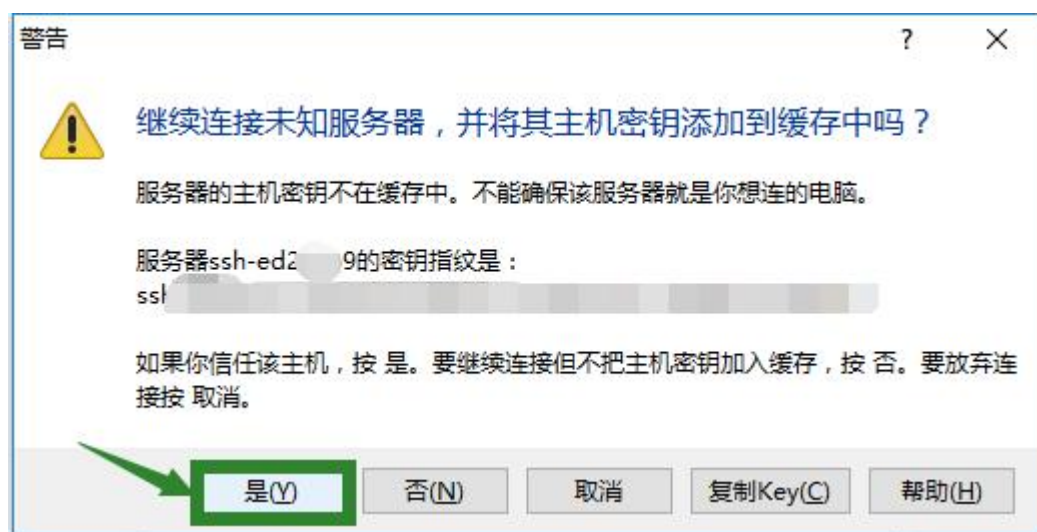
点击保存后会弹出如下提示框，输入相关信息后，点击确定



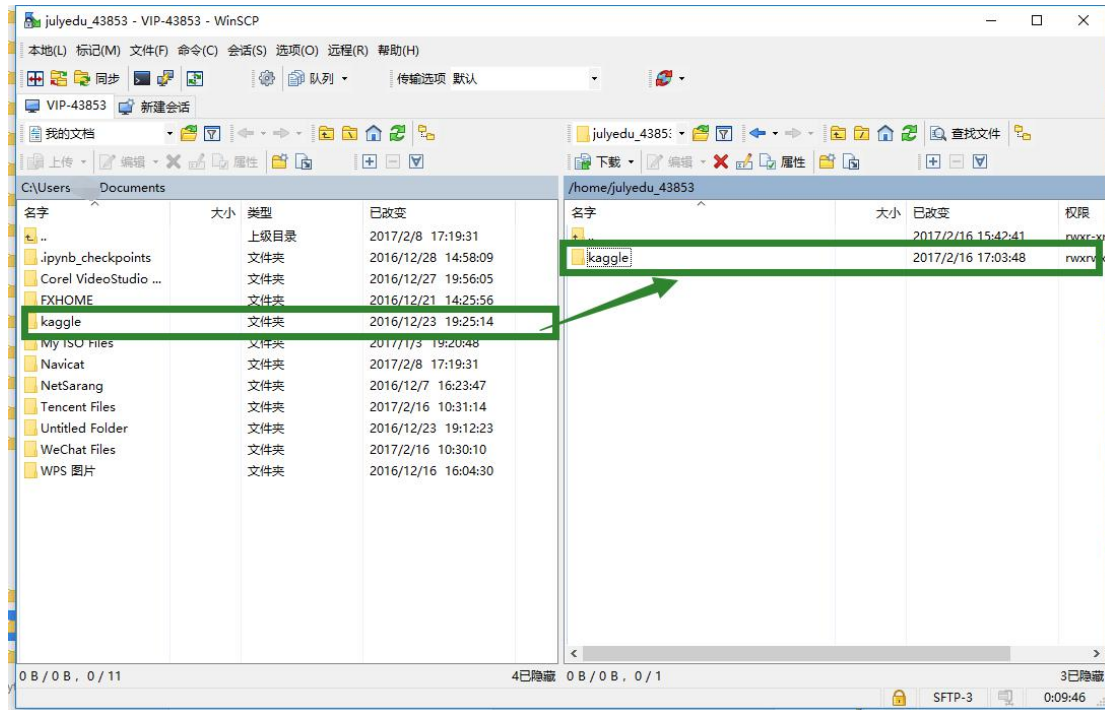
之后点击登录



点是即可



之后就连接到跳板机了，将所需文件拖动到 WinSCP 即可



从跳板机上传至 GPU 服务器方法如下

```
[julyedu_43853@JULYEDU-GPU1 ~]$ scp 10.28.61.82:/home/julyedu_43853/kaggle/test.csv ./
julyedu_43853@10.28.61.82's password: 
test.csv
[julyedu_43853@JULYEDU-GPU1 ~]$ ls
test.csv
[julyedu_43853@JULYEDU-GPU1 ~]$
```

10.28.61.82 是跳板机的内部 IP 地址

```
scp 10.28.61.82:/home/julyedu_43853/kaggle/test.csv ./
```

输入的密码还是你原来的密码

ls 命令查看当前目录下的文件

如果是上传文件夹，命令如下

```
scp -r 10.28.61.82:/home/julyedu_43853/kaggle ./
```

就会将 kaggle 文件夹整体上传到 GPU 服务器上

还有不明白的，请在 VIP 群里留言说明。具体实战操作，由任课老师课堂演示（或者你自己跑个人项目，但尽量在人少的时候跑，长时间强行占满 GPU 跑大型非课程学习任务影响到其他所有同学的使用，将被管理员强制下线）

最后如果你有好的项目，七月在线欢迎共享给 **VIP** 群内成员，分享是美德，开源是提高自我的有效途径。同时也欢迎各位推荐新学员加入，分享有优惠哦...