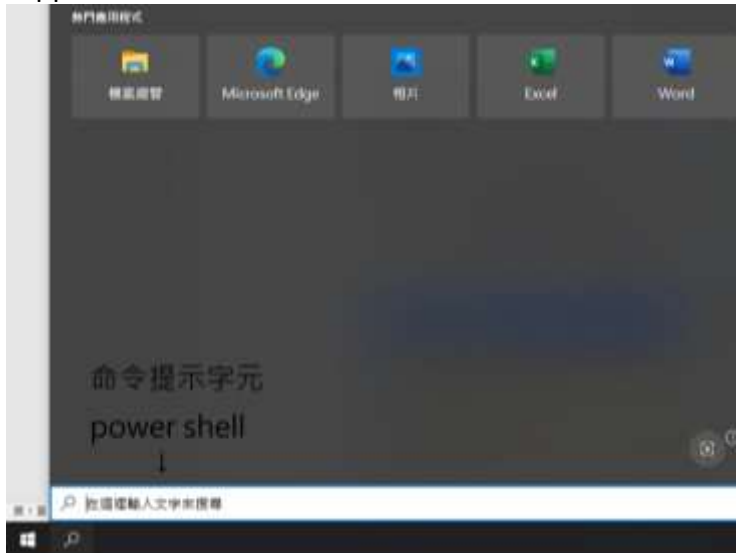


EECS302002 計算機網路概論

SSH server tutorial

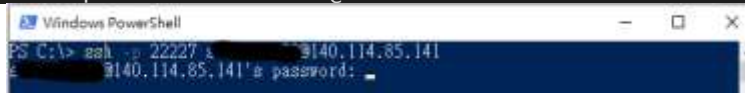
1. Use SSH to connect to our lab server

Step1: Open, cmd, Power Shell, or any other shell (such as [MobaXterm](#)) that supports ssh



Step2: Connect to the lab server by using SSH command at port number 22227 (case sensitive).

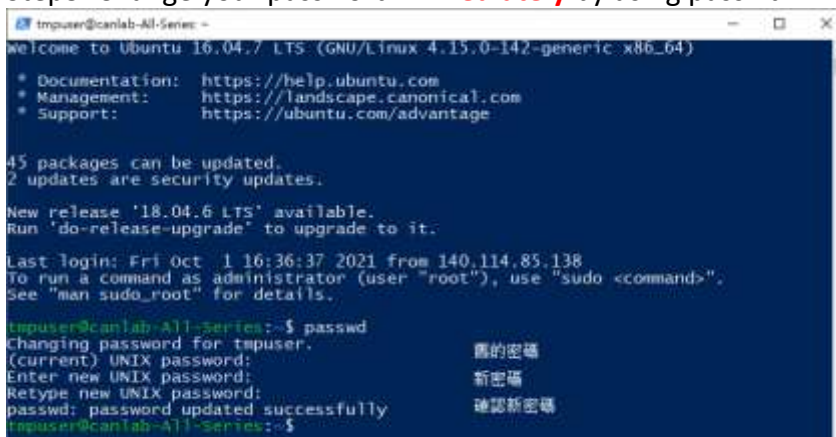
```
ssh -p 22227 username@140.114.85.141
```



username = "s" + your student ID (ex. s110062401@140.114.85.141)

password = 123

Step3: Change your password **immediately** by using passwd.



For more information, check [linux ssh](#)

2. Use SCP to transfer your files.

step1: Open cmd or Power Shell or any other shell support ssh

step2: Enter SCP command, use port number 22227 (case sensitive)

```
scp -P 22227 <source> <destination>
```

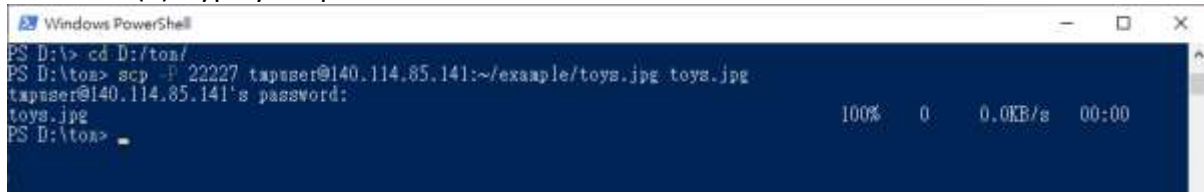
In Ubuntu, path "~/" = "/home/[user]/"

example 1: Download [user@host]:~/example/toys.jpg and save to D:/ton/

(1) cd D:/ton

(2) Enter scp -P 22227 [user@host]:~/example/toys.jpg toys.jpg

(3) Type your password



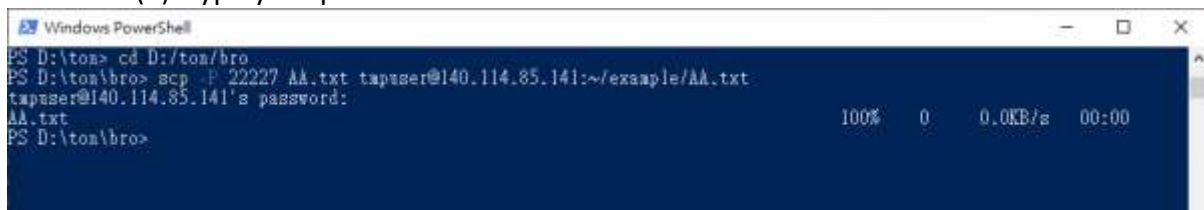
```
Windows PowerShell
PS D:\> cd D:/ton/
PS D:\ton> scp -P 22227 tmpuser@140.114.85.141:~/example/toys.jpg toys.jpg
tmpuser@140.114.85.141's password:
toys.jpg 100% 0 0.0KB/s 00:00
PS D:\ton>
```

example 2: Upload D:/ton/bro/AA.txt to [user@host]:~/example/

(1) cd D:/ton/bro

(2) Enter scp -P 22227 AA.txt [user@host]:~/example/AA.txt

(3) Type your password



```
Windows PowerShell
PS D:\ton> cd D:/ton/bro
PS D:\ton\bro> scp -P 22227 AA.txt tmpuser@140.114.85.141:~/example/AA.txt
tmpuser@140.114.85.141's password:
AA.txt 100% 0 0.0KB/s 00:00
PS D:\ton\bro>
```

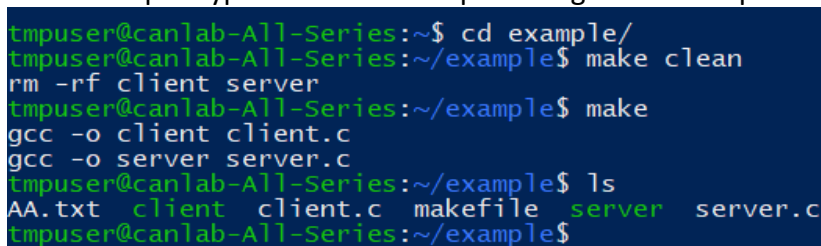
For more information, check [Linux scp](#)

3. Use makefile to compile C files or delete output files

Step1: Enter your working directory

Step2: Type "make clean" to delete old output files

Step3: Type "make" to compile and generate output files



```
tmpuser@canlab-All-Series:~$ cd example/
tmpuser@canlab-All-Series:~/example$ make clean
rm -rf client server
tmpuser@canlab-All-Series:~/example$ make
gcc -o client client.c
gcc -o server server.c
tmpuser@canlab-All-Series:~/example$ ls
AA.txt client client.c makefile server server.c
tmpuser@canlab-All-Series:~/example$
```

4. Other useful Linux commands

[Linux 常用指令 - HackMD](#)

5. Alternative way: [\[推薦\] MobaXterm - 強大方便好操作的 SSH Client 客戶端連線軟體 - RicharLin.tw](#)