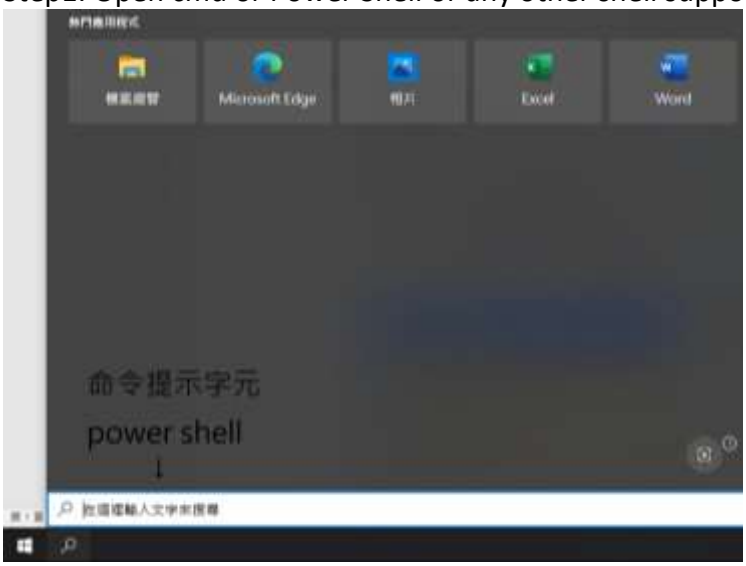
EECS302002 計算機網路概論
SSH server tutorial

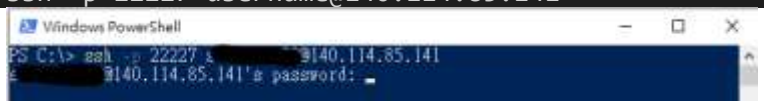
1. Use SSH to connect to canlab server

   Step1: Open cmd or Power Shell or any other shell support ssh



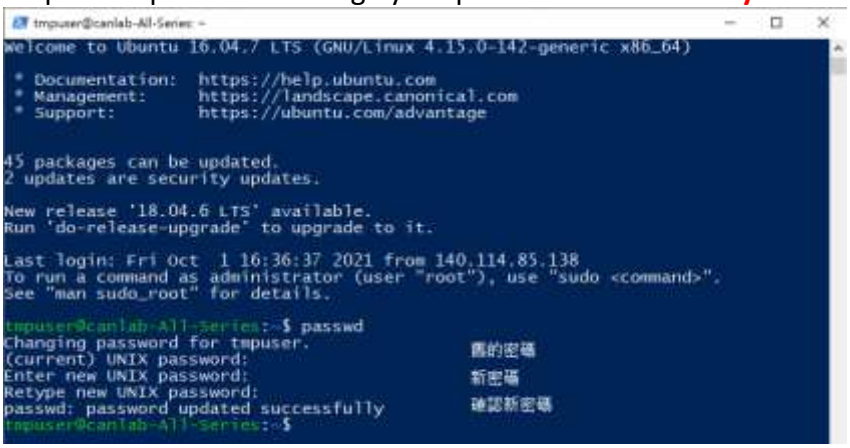
   Step2: Enter SSH command, use port number 22227 (case sensitive)

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



   username = “s” + your student ID (ex. s110062401@140.114.85.141)
   password = 123

   Step3: Use passwd to change your password **immediately**



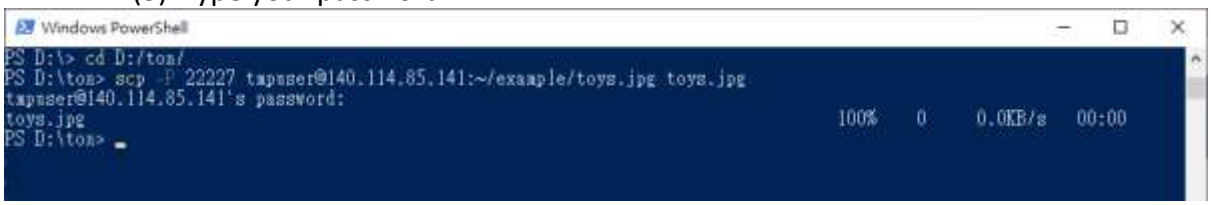
   For more information, check [linux ssh]

2. Use SCP to transfer files
   step1: Open cmd or Power Shell or any other shell support ssh
   step2: Enter SCP command, use port number 22227 (case sensitive)

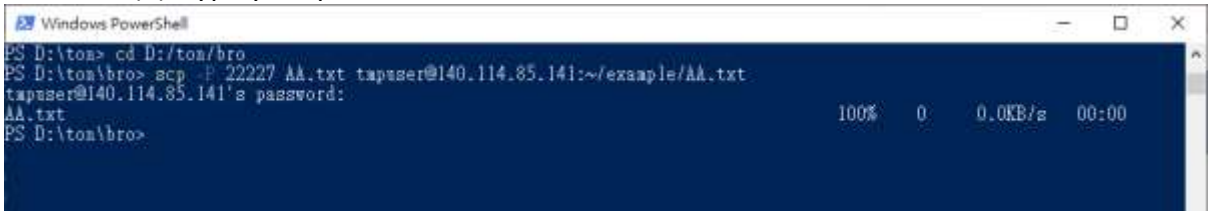
```
scp -P 22227 <source> <destination>
```

   In Ubuntu, path “~/” = “/home/[user]/”

   example 1: Download [user@host]:~/example/toys.jpg and save at D:/ton/
   (1) cd D:/ton
   (2) Enter scp -P 22227 [user@host]:~/example/toys.jpg toys.jpg
   (3) Type your password



   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

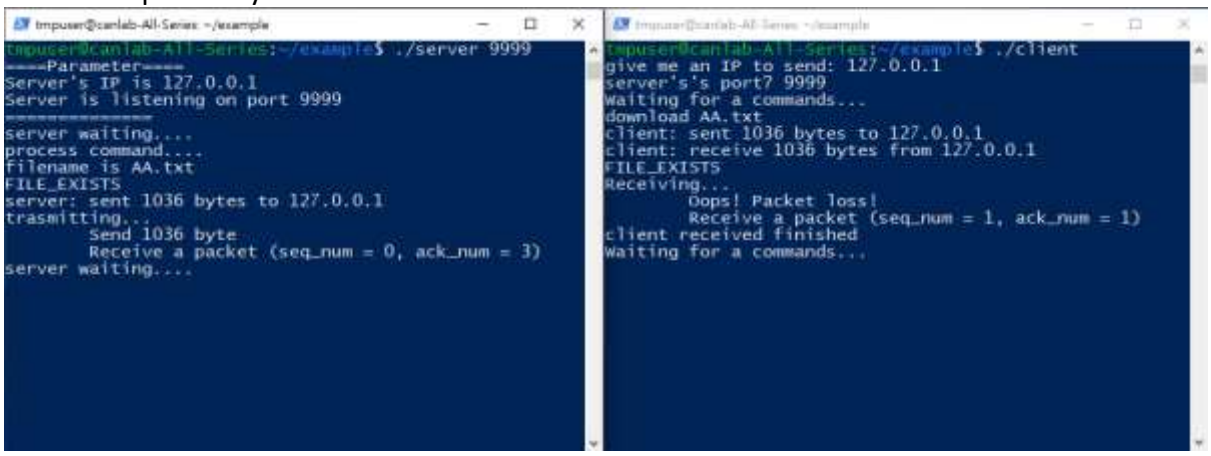


   For more information, check Linux scp

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. Run your program
   Step1: Open 2 cmd or Power Shell or any other shell support ssh
   Step2: Both connect to SSH server
   Step3: Run your server on a cmd and specify port number
   Step4: Run your client on the other cmd



5. Other useful Linux commands
   [Linux 常用指令 - HackMD]

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