

Remote Connection to EE Servers

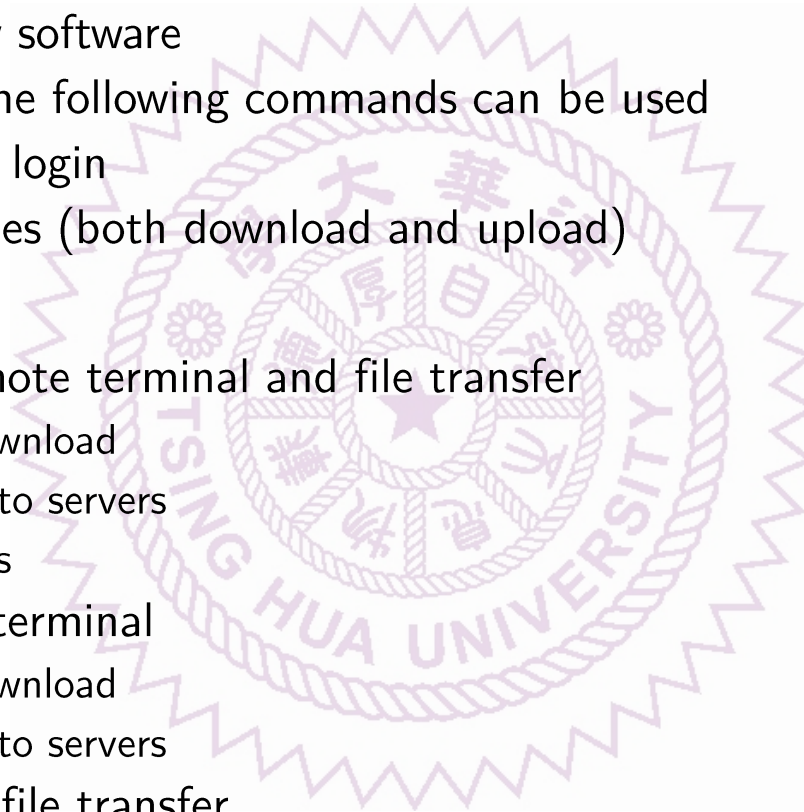
EE231002 Introduction to Programming

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Oct. 1, 2018

Remote Connection to EE Servers

- For linux (Ubuntu, etc) or Mac systems
 - No need of new software
 - In a terminal, the following commands can be used
 - `ssh`: for remote login
 - `scp`: for copy files (both download and upload)
- For Windows
 - `MobaXterm`: remote terminal and file transfer
 - Software download
 - Connecting to servers
 - Transfer files
 - `PuTTY`: remote terminal
 - Software download
 - Connecting to servers
 - `FileZilla`: for file transfer
 - Software download
 - Connecting to servers
 - File transfer



MobaXterm - Download

- Download [MobaXterm](#)

The screenshot shows the MobaXterm website's download page. The header includes the MobaXterm logo, navigation links (Home, Demo, Features, Download, Plugins, Help, Contact), and social media icons. There are buttons for 'Customer area' and 'Buy'. The main content area features two pricing cards: 'Home Edition' (Free) and 'Professional Edition' (\$69 / 49€ per user*). The Home Edition card lists features like X server, SSH, RDP, VNC, Xdmcp, and remote terminal support, with a 'Download now' button. The Professional Edition card lists additional features like custom startup messages, unlimited sessions, and professional support, with a 'Subscribe online / Get a quote' button. The footer contains links for 'About us', 'Home License', 'Pro License', 'Terms&Conditions', and 'Export rules', along with copyright information and social media icons.

MobaXterm

Home Demo Features **Download** Plugins Help Contact

Customer area Buy

Home Edition

Free

Full **X server** and **SSH** support
Remote desktop (RDP, VNC, Xdmcp)
Remote terminal (SSH, telnet, rlogin, Mosh)
X11-Forwarding
Automatic SFTP browser
Plugins support
Portable and installer versions
Full documentation
Max. **12** sessions
Max. **2** SSH tunnels
Max. **4** macros
Max. **360** seconds for Tftp, Nfs and Cron

Download now

Professional Edition

\$69 / 49€ per user*

* Excluding tax. Volume discounts [available](#)

Every feature from Home Edition +
Customize your startup message and logo
Modify your profile script
Remove unwanted games, screensaver or tools
Unlimited number of sessions
Unlimited number of tunnels and macros
Unlimited run time for network daemons
Master password support
12-months Professional support
Lifetime right to use

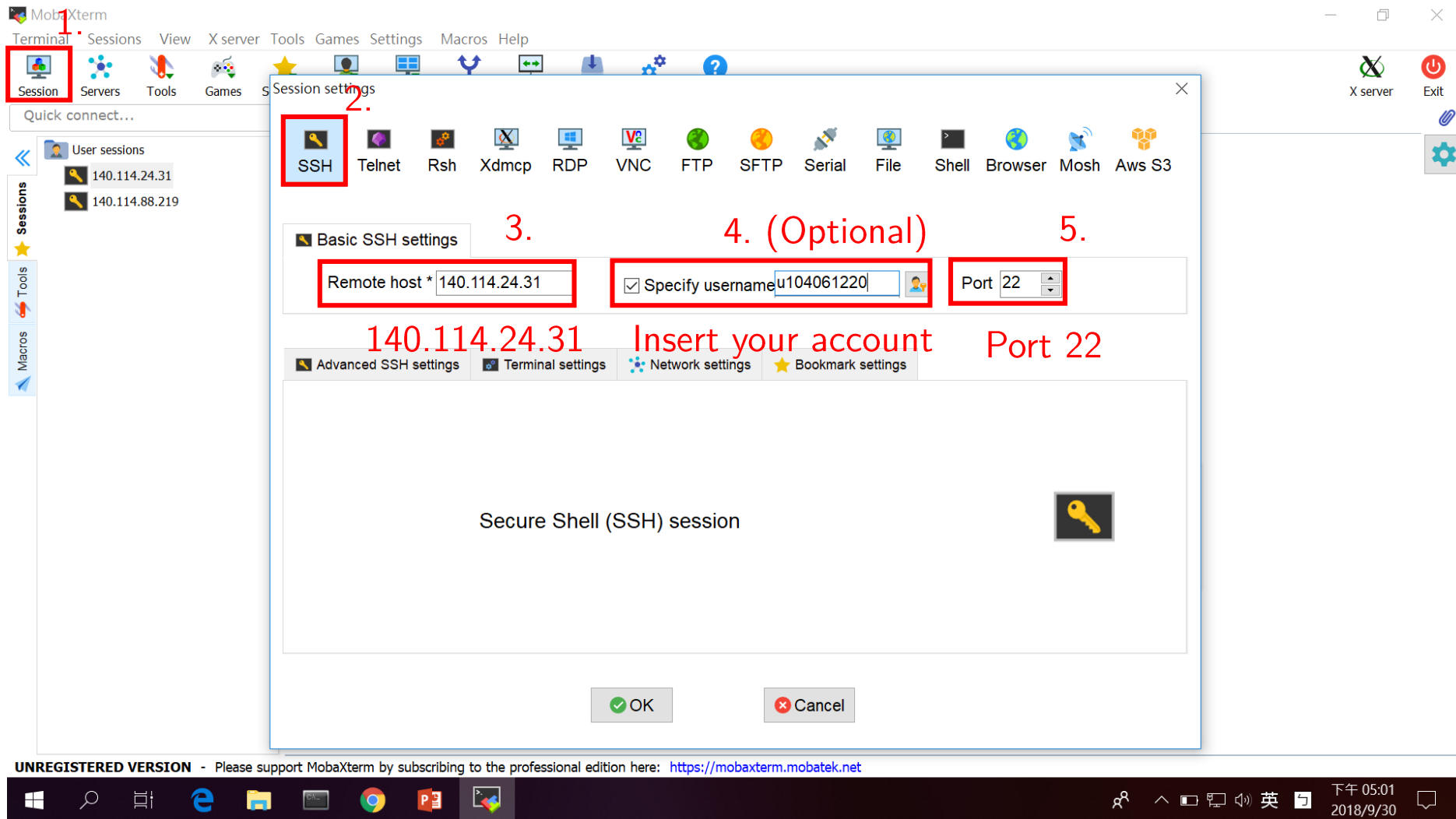
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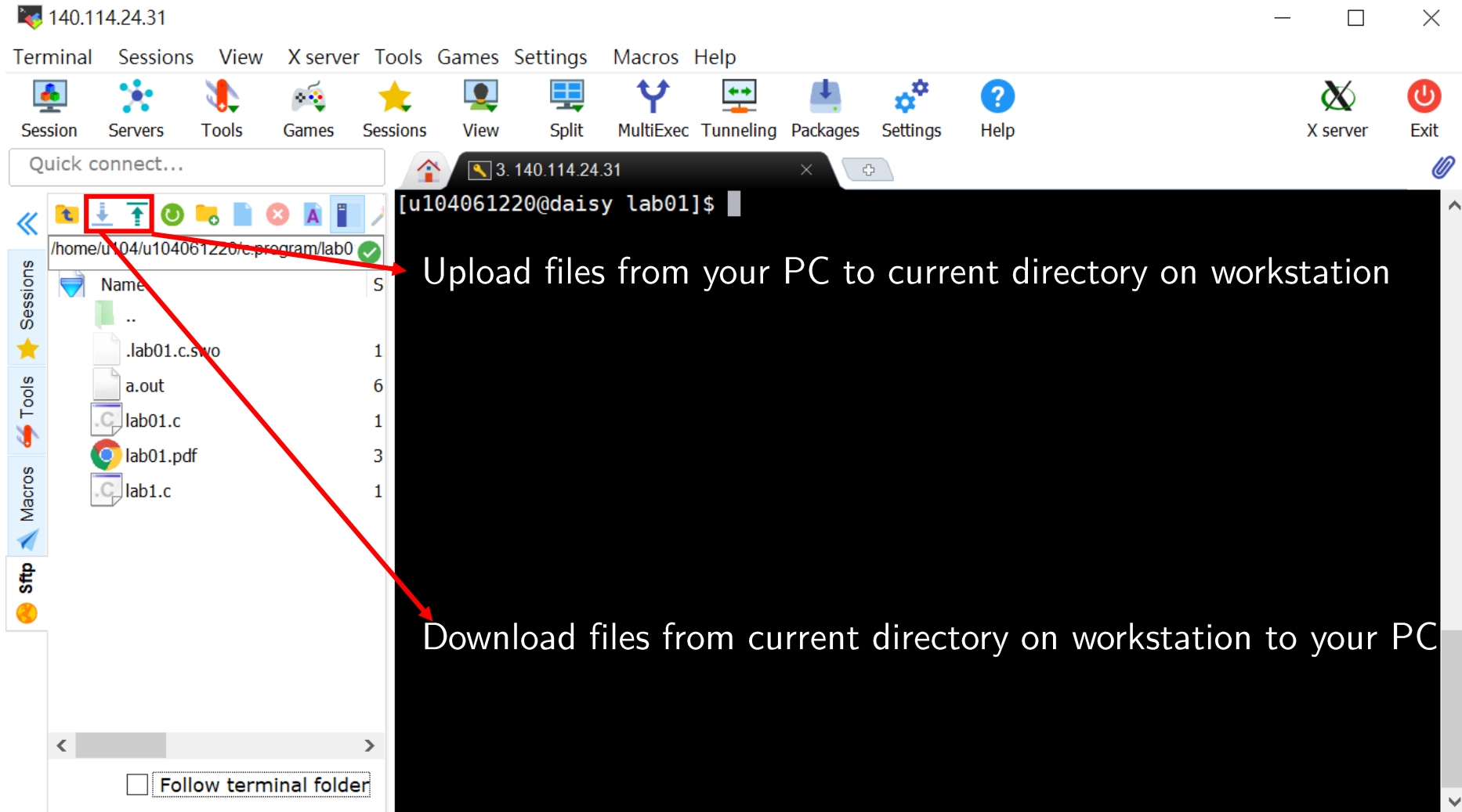
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f t g+

MobaXterm - Session



MobaXterm - Upload/Download



The screenshot displays the MobaXterm application window. The title bar shows the IP address 140.114.24.31. The menu bar includes Terminal, Sessions, View, X server, Tools, Games, Settings, Macros, and Help. The toolbar contains icons for Session, Servers, Tools, Games, Sessions, View, Split, MultiExec, Tunneling, Packages, Settings, Help, X server, and Exit. A 'Quick connect...' field is present. The left sidebar shows a tree view with 'Sessions', 'Tools', 'Macros', and 'Sftp'. The 'Sftp' panel is active, showing a file list for the directory /home/u104/u104061220/c-program/lab0. The file list includes: .., .lab01.c.swo, a.out, lab01.c, lab01.pdf, and lab1.c. A red box highlights the 'Upload' (downward arrow) and 'Download' (upward arrow) icons in the Sftp panel. A red arrow points from the 'Upload' icon to the text 'Upload files from your PC to current directory on workstation'. Another red arrow points from the 'Download' icon to the text 'Download files from current directory on workstation to your PC'. The terminal window on the right shows the prompt [u104061220@daisy lab01]\$.

140.114.24.31

Terminal Sessions View X server Tools Games Settings Macros Help

Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help

Quick connect...

3. 140.114.24.31

[u104061220@daisy lab01]\$

Upload files from your PC to current directory on workstation

Download files from current directory on workstation to your PC

UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: <https://mobaxterm.mobatek.net>

PuTTY - Download

- Download [PuTTY](#)

Package files

You probably want one of these. They include all the PuTTY utilities.

(Not sure whether you want the 32-bit or the 64-bit version? Read the [FAQ entry](#).)

MSI ('Windows Installer')

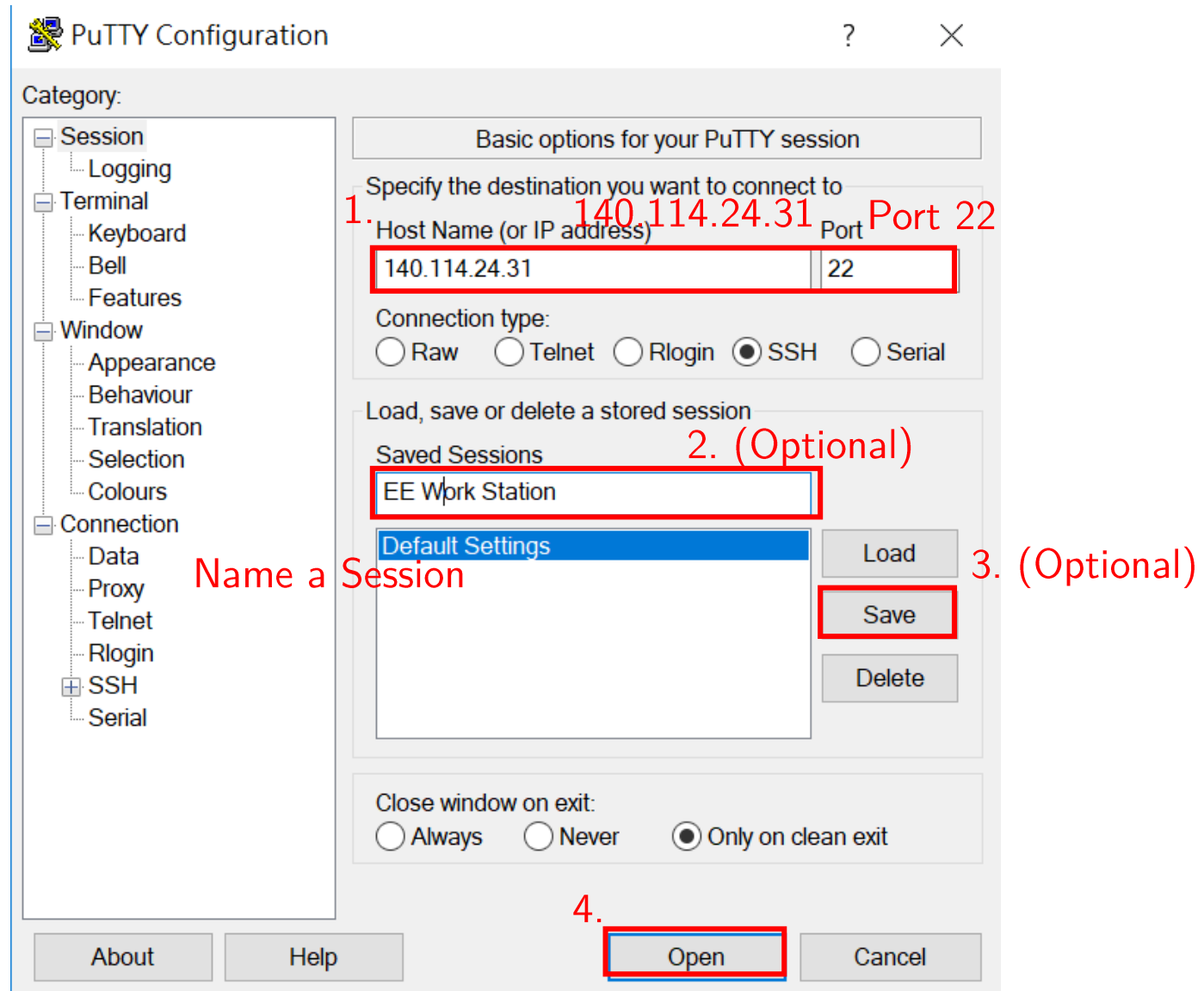
32-bit: [putty-0.70-installer.msi](#) (or by FTP) (signature)

64-bit: [putty-64bit-0.70-installer.msi](#) (or by FTP) (signature)

Unix source archive

.tar.gz: [putty-0.70.tar.gz](#) (or by FTP) (signature)

PuTTY - Connecting to EE Workstations



FileZilla - Download

- Download [FileZilla](#)

Download FileZilla Client for Windows (64bit)

The latest stable version of FileZilla Client is 3.37.1

Please select the file appropriate for your platform below.




◆ Windows (64bit) 




This installer may include bundled offers. Check below for more options.

The 64bit versions of Windows 7, 8, 8.1 and 10 are supported.

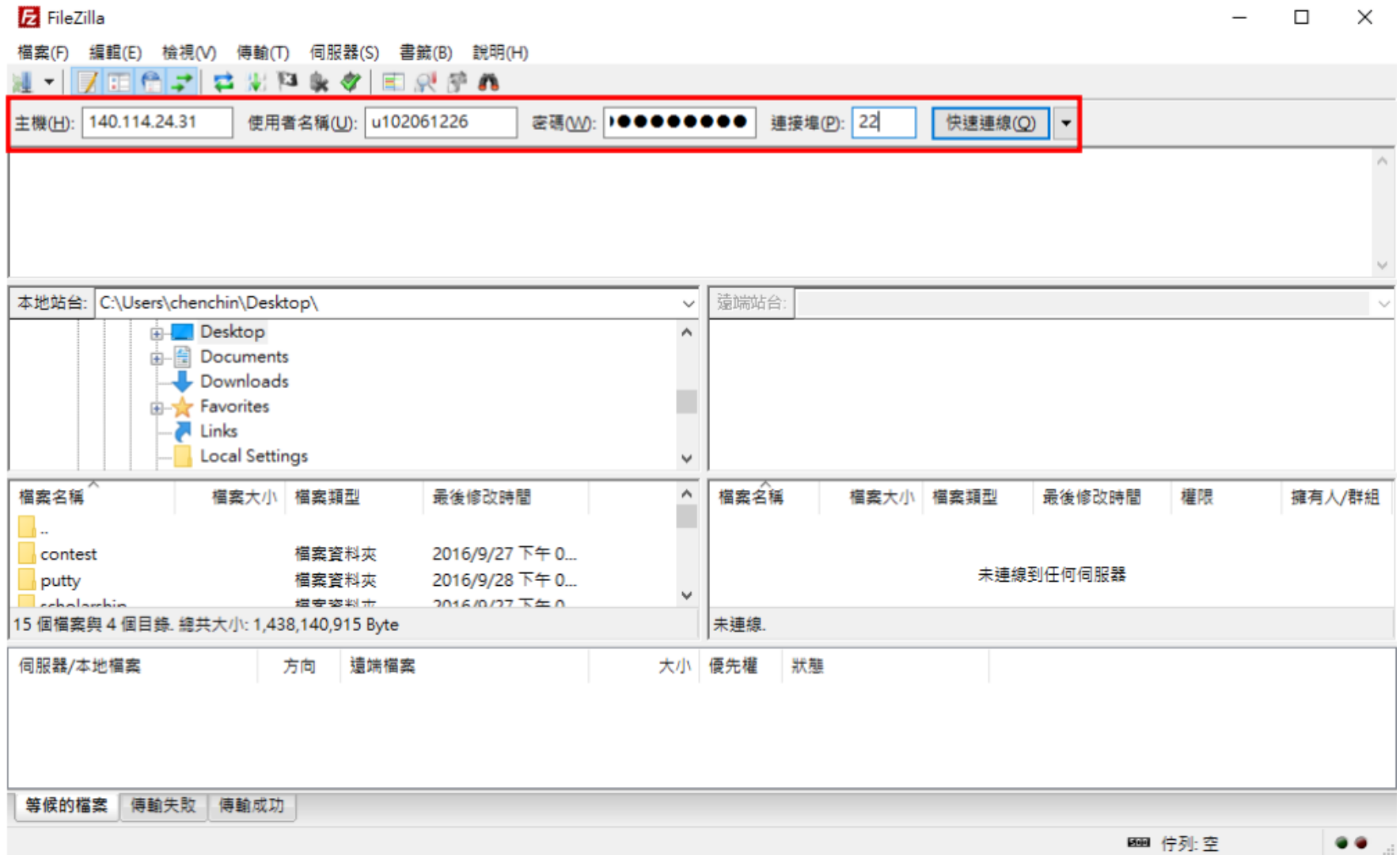
◆ More download options

Other platforms:   

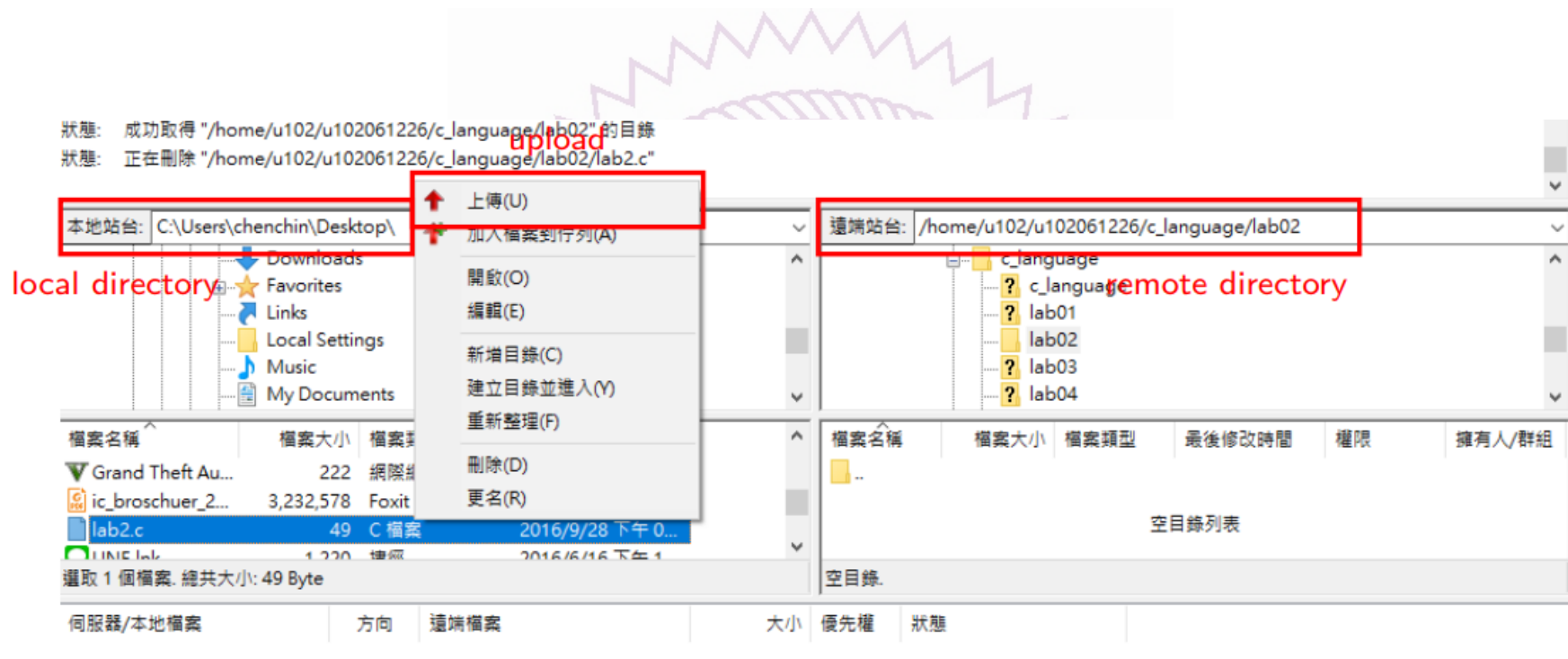
Not what you are looking for?

 [Show additional download options](#)

FileZilla - Starting



FileZilla - Upload/Download Files



- You can do the similar operations on the right hand side to download files from workstation to local

About ssh and scp

- For linux or Mac users, if you want to login to work station
 - Open the [\[terminal\]](#)
 - Type `ssh u107061xxx@140.114.24.31`
 - Following commands are similar with what you do in the 406 classroom
- [scp](#) helps you upload or download files between PC and Work Station
 - Following example assumes you are at the Desktop of your PC
 - `scp lab01.c u104061220@140.114.24.31:~/c_program/lab01`
uploads `lab01.c` to the `c_program/lab01` under `u104061220`
 - `scp u104061220@140.114.24.31:~/c_program/lab01/lab01.c .`
downloads `lab01.c` from the Work Station to PC
- Both [ssh](#) and [scp](#) will ask for the password of the account, and the files on the Work Station still follow the file mode
 - Therefore, do not try to copy others' files with these commands
- Actually, Windows can also do this by 命令提示字元(cmd) or bash