

Remote Connection to EE Servers

Introduction to Programming

EE231002

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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

- Download page

<http://mobaxterm.mobatek.net/download-home-edition.html>

Select the version you want to download (installable or portable version)



MobaXterm Home Edition v9.3
(Portable edition)



MobaXterm Home Edition v9.3
(Installer edition)

By clicking on the above buttons, you accept [MobaXterm terms and conditions](#)

You can download MobaXterm and plugins sources [here](#)

MobaXterm – Starting

- Open MobaXterm and click **Session**

The screenshot shows the MobaXterm application window. The menu bar includes Terminal, Sessions, View, X server, Tools, Games, Settings, Macros, and Help. The 'Session' menu item is highlighted with a red box. Below the menu bar, there is a 'Quick connect...' search box and a 'Saved sessions' list. The main area displays the MobaXterm logo, a 'Start local terminal' button, a search box for existing sessions, and a 'Recent sessions' list.

Recent sessions

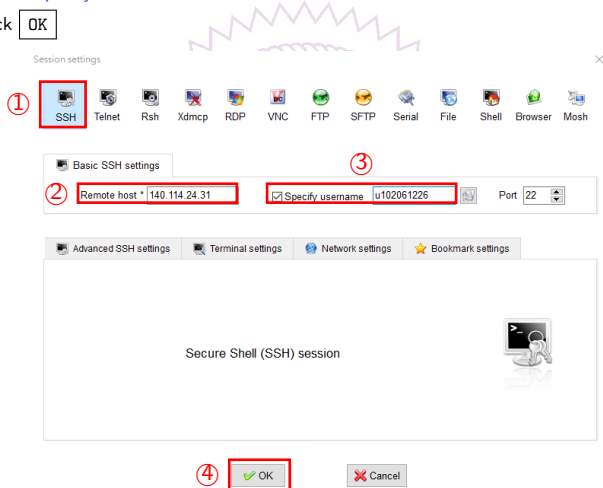
140.114.24.31 (u10206...		
...		
...		

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

MobaXterm – Session

• Open a session

- ① Click **SSH**
- ② Enter NTHU/EE workstation IP
- ③ Enable **Specify username** and enter username
- ④ Click **OK**



MobaXterm – Upload/Download

- File transfer

- Click **upload** to upload files from your PC to the current directory on the workstation
- Click **download** to download files from the current directory on the workstation to your PC

The screenshot displays the MobaXterm application window. The title bar shows the IP address 140.114.24.31 and user identifier (u102061226). 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...' search bar is visible. The left sidebar shows a file explorer view for the directory /home/u102/u102061226/c_language/lab02/. A table lists files with columns for Name, Size (KB), and Last modified. The file 'lab2.c' is listed with a size of 0 and a last modified date of 2016-09. The 'upload' and 'download' icons in the toolbar are highlighted with red boxes. The main terminal window shows the prompt [u102061226@daisy lab02]\$.

Name	Size (KB)	Last mod
..		
lab2.c	0	2016-09

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- Download page

<https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html>

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](#) [\(or by FTP\)](#) [\(signature\)](#)

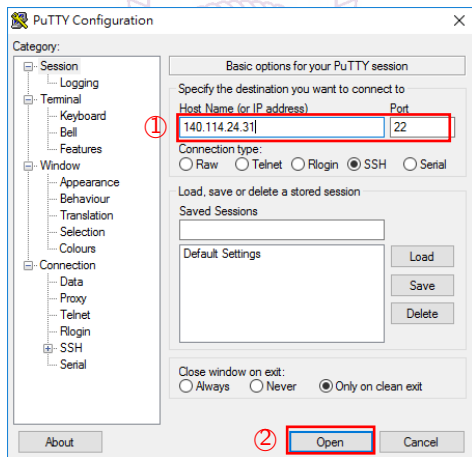
64-bit: [putty-64bit-0.70-installer.msi](#) [\(or by FTP\)](#) [\(signature\)](#)

Unix source archive

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

PuTTY – Connecting to EE Workstations

- Open **putty** and connect
 - ① Enter NTHU/EE workstation IP: 140.114.24.31
 - ② Click **Open**

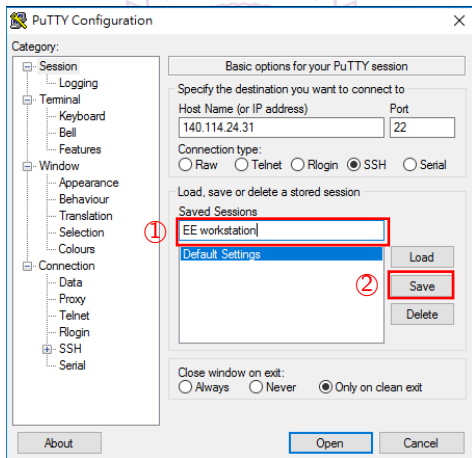


PuTTY – Name a Session

- Save a session

① Enter the name of the session

② Click **Save**



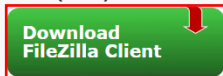
- Download page <https://filezilla-project.org/download.php?type=client>

Download FileZilla Client for Windows (64bit)

The latest stable version of FileZilla Client is 3.21.0

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 Vista, 7, 8, 8.1 and 10 are supported.

More download options

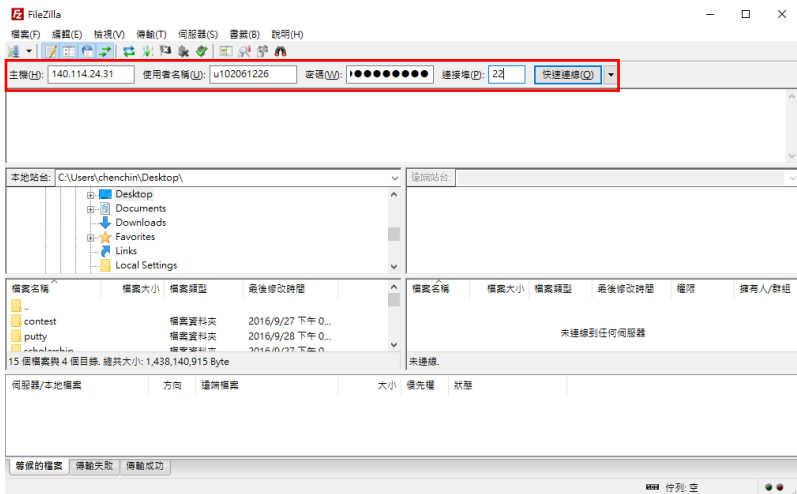
Other platforms:   

Not what you are looking for?

[Show additional download options](#)

FileZilla – Starting

- Start



FileZilla – Upload/Download Files

• File transfer

狀態: 成功取得 "/home/u102/u102061226/c_language/lab02" 的目錄

狀態: 正在刪除 "/home/u102/u102061226/c_language/lab02/lab2.c"

The screenshot shows the FileZilla interface with a local directory on the left and a remote directory on the right. A context menu is open over the local directory, with the 'Upload (U)' option highlighted. The local directory path is 'C:\Users\chenchin\Desktop\' and the remote directory path is '/home/u102/u102061226/c_language/lab02'. The local directory contains files like 'Grand Theft Au...', 'ic_broschuer_2...', and 'lab2.c'. The remote directory contains a folder 'c_language' and subfolders 'lab01', 'lab02', 'lab03', and 'lab04'. The status bar at the bottom shows '同伺服器/本地檔案' and '遠端檔案'.

local directory

upload

remote directory

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