

# 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**

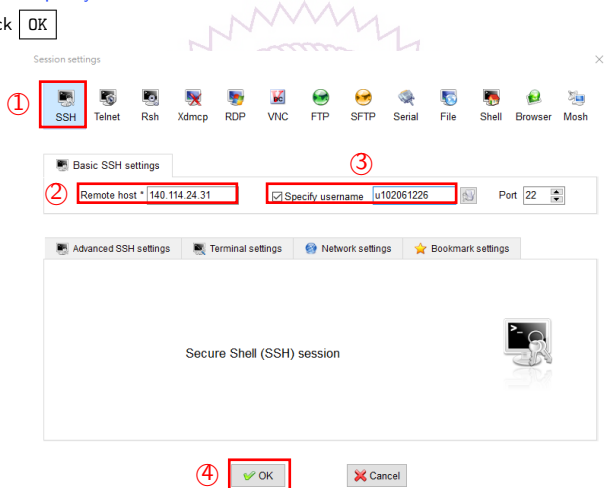
The screenshot shows the MobaXterm application window. The top menu bar includes Terminal, Sessions, View, X server, Tools, Games, Settings, Macros, and Help. The 'Session' menu item is highlighted with a red box. Below the menu bar is a toolbar with icons for Servers, Tools, Games, Sessions, View, Split, MultiExec, Tunneling, Packages, Settings, Help, X server, and Exit. A search box labeled 'Quick connect...' is visible. The main area shows the MobaXterm logo and a 'Start local terminal' button. Below that is a search box labeled 'Find existing session or server name...'. At the bottom, there is a 'Recent sessions' list with one entry: 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 connection details: "140.114.24.31 (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]\$". At the bottom, a message reads: "UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: <http://mobaxterm.mobatek.net>".

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

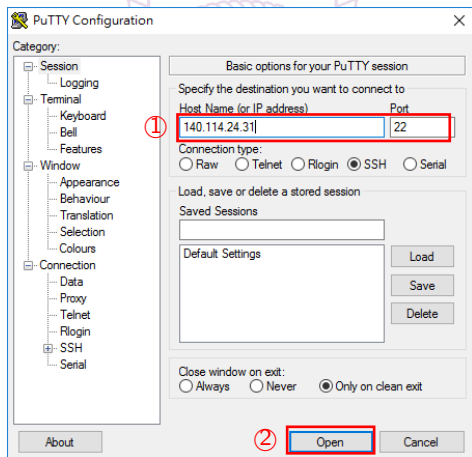
64-bit:            [putty-64bit-0.70-installer.msi](#)            [\(or by FTP\)](#)            [\(signature\)](#)

### Unix source archive

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

# PuTTY – Connecting to EE Workstations

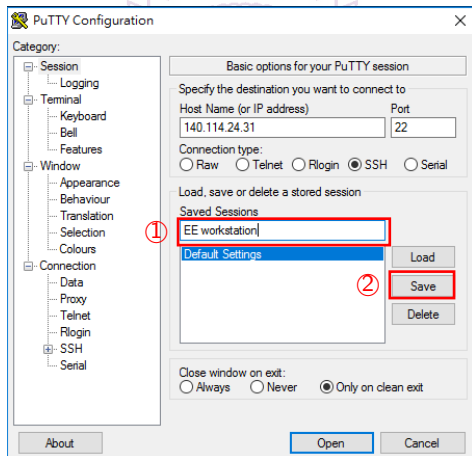
- Open **putty** and connect
  - ① Enter NTHU/EE workstation IP: 140.114.24.31
  - ② Click **Open**





# PuTTY – Name a Session

- Save a session
  - ① Enter the name of the session
  - ② Click **Save**



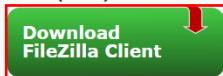
- Download page <https://filezilla-project.org/download.php?type=client>

## 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

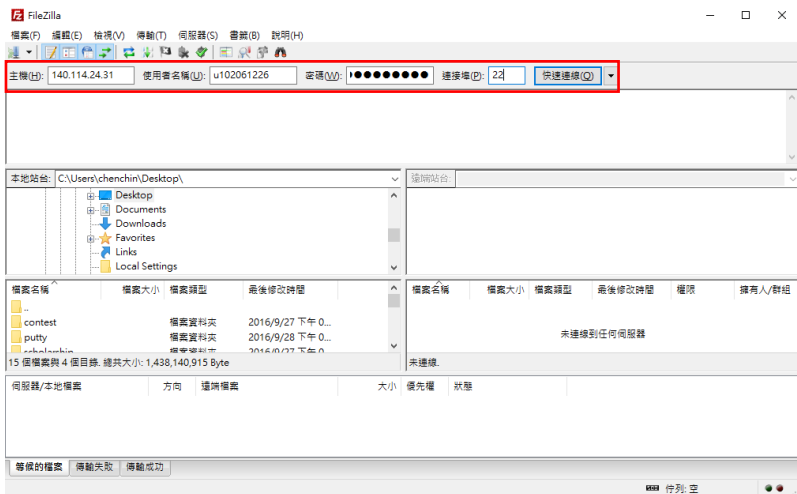
Other platforms:   

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 two panes. The left pane is labeled "local directory" and shows the local file system path "C:\Users\chenchin\Desktop\". A context menu is open over the "lab2.c" file, with the "upload" option highlighted. The right pane is labeled "remote directory" and shows the remote file system path "/home/u102/u102061226/c\_language/lab02". The remote directory contains a subdirectory "c\_language" and files "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

remote directory

upload

本地站台: C:\Users\chenchin\Desktop\

遠端站台: /home/u102/u102061226/c\_language/lab02

上傳(U)

加入檔案到行列(A)

開啟(O)

編輯(E)

新增目錄(C)

建立目錄並進入(V)

重新整理(F)

刪除(D)

更名(R)

檔案名稱

檔案大小

檔案類型

最後修改時間

權限

擁有人/群組

空目錄列表

空目錄

同伺服器/本地檔案

遠端檔案

大小

優先權

狀態

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