CMSC5743 Lab 0: Warmup

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How to use Linux Server of CSE

Prestep: Connect to CSE VPN

- If you are out of CUHK campus,
  - Connect to CSE VPN first!
- Install **OpenVPN Connect Client**
- **Windows & MacOS:** use browser and download the client from `https://openvpn.cse.cuhk.edu.hk`
- **Android & IOS:** Install **OpenVPN Connect** client from App Store
  - Google Play Store
  - Apple App Store
- **Linux:** Connecting to Access Server with Linux

Connect to CSE VPN: Import Profiles

- Execute OpenVPN Connect Client
- Click **Import Profile**
- Enter URL:
  https://openvpn.cse.cuhk.edu.hk
- Click Next
- Enter your CSE UNIX Account and Pasword
- Click Import

Download User-lock Profiles

OpenVPN Connect Recommended for your device:

NEW

OpenVPN Connect for all Platforms:

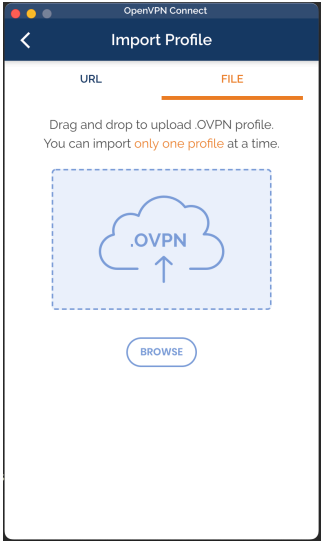
iOS

OpenVPN Connect v3:

NEW NEW

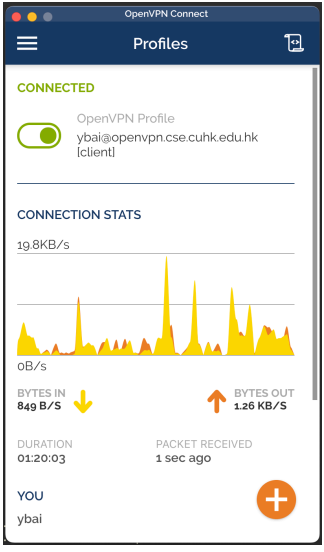
Available Connection Profiles:

Yourself (user-locked profile)



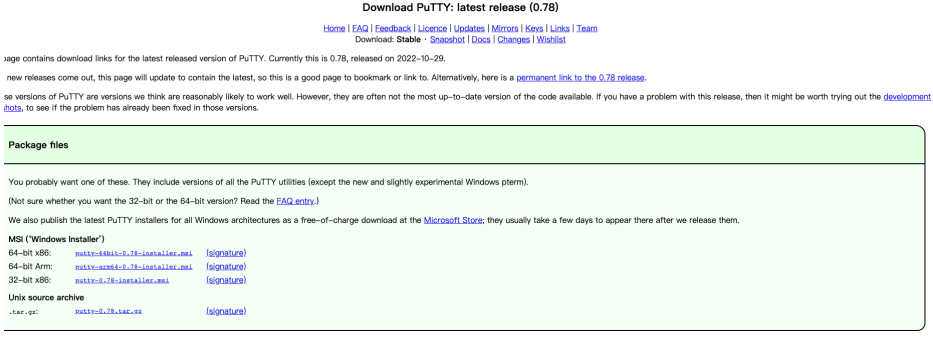
Connect to CSE VPN Server

- Execute OpenVPN Connect
- Select the profile to connect
- Enter your CSE Unix Account and Password
- Clik **OK**



Download Putty for SCP on Windows

- Firstly, we should download Putty, which is used as a tool for our connection. Download Link



Download PuTTY: latest release (0.78)

Home | FAQ | Feedback | Licence | Updates | Mirrors | Keys | Links | Team
Download: **Stable** · Snapshot | Docs | Changes | Wishlist

ıage contains download links for the latest released version of PuTTY. Currently this is 0.78, released on 2022-10-29.

new releases come out, this page will update to contain the latest, so this is a good page to bookmark or link to. Alternatively, here is a permanent link to the 0.78 release.

se versions of PuTTY are versions we think are reasonably likely to work well. However, they are often not the most up-to-date version of the code available. If you have a problem with this release, then it might be worth trying out the development ıhots, to see if the problem has already been fixed in those versions.

Package files

You probably want one of these. They include versions of all the PuTTY utilities (except the new and slightly experimental Windows pterm).

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

We also publish the latest PuTTY installers for all Windows architectures as a free-of-charge download at the Microsoft Store; they usually take a few days to appear there after we release them.

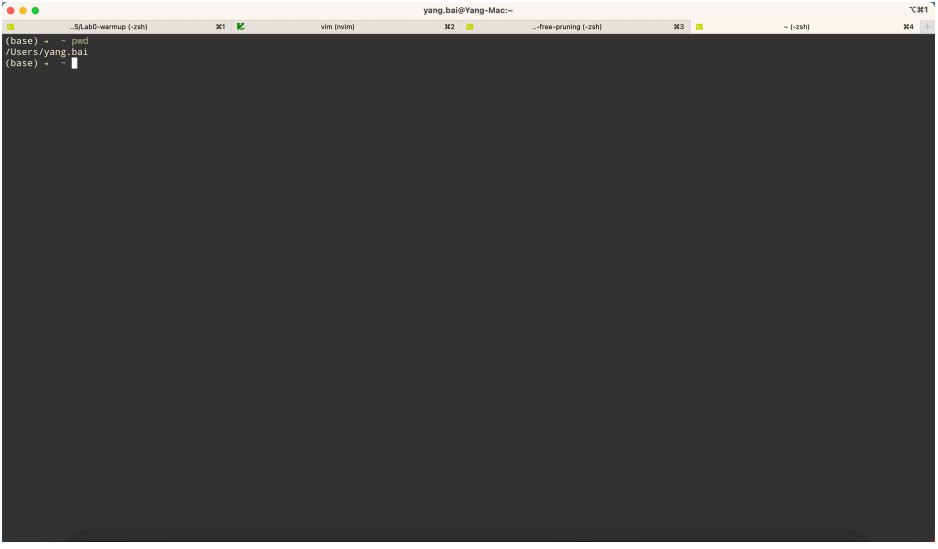
MSI ('Windows Installer')

64-bit x86:	putty-64bit-0.78-installer.msi	(signature)
64-bit Arm:	putty-arm64-0.78-installer.msi	(signature)
32-bit x86:	putty-0.78-installer.msi	(signature)

Unix source archive

.tar.gz:	putty-0.78.tar.gz	(signature)

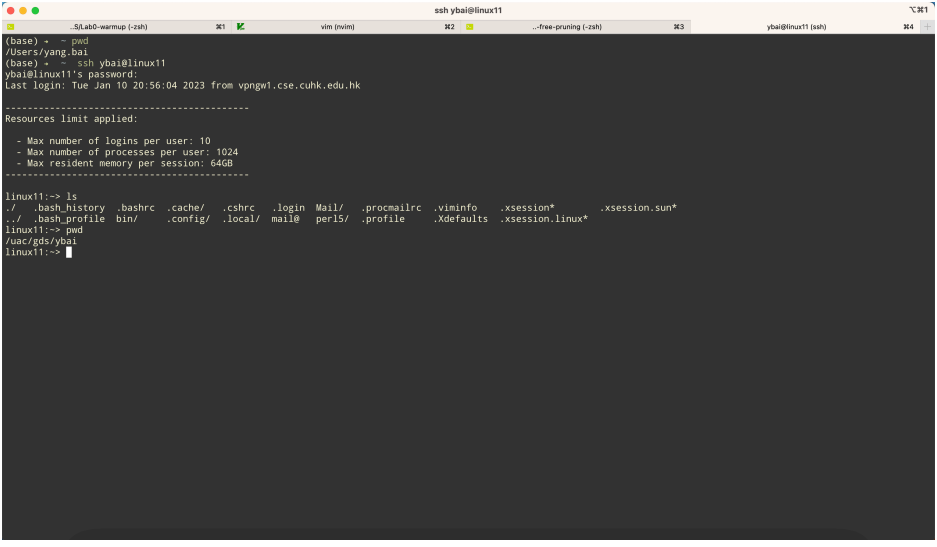
Using Terminal for SCP on MAC OS



Connect CSE VPN

- Access Server URL: ssh [Username]@linux11
- [Username]: CSE UNIX username
- Password: CSE UNIX password

Using Username and Password to Login



Git command-line interface

- **git help <command>:** get help for a git command
- **git init:** creates a new git repo, with data stored in the .git directory
- **git status:** tells you what is going on
- **git add <filename>:** adds files to staging area
- **git commit:** creates a new commit
- **git log:** shows a flattened log of history
- **git log –all –graph –decorate:** visualizes history as a DAG
- **git diff <filename>:** show changes you made relative to the staging area
- **git diff <revision> <filename>:** shows differences in a file between snapshots
- **git checkout <revision>:** updates HEAD and current branch

THANK YOU!