Accessing Your Files

Contents:

Files you create in CSE systems (labs, VLAB, login servers, etc) are stored in your CSE Home Directory by default.
This is how you can get them…

1: From a CSE lab machine, VLAB or CSE login server

Your home directory is available automatically, under `/home/CSE_account` (eg. `/home/z1234567`)
New terminals and file browsers start in this directory.

2: From your own computer

If you are connecting from any other network (uniwide, external internet, etc), you will need an SSH/SCP/SFTP client to access your files.
Clients using CIFS/SMB will not work unless you use a VPN so it will be simpler to use SSH/SCP/SFTP.

2.1: Using Windows

We recommend WinSCP, as it is popular, well-supported and free.
To connect:

- Select SFTP as the protocol
- Enter the host `login.cse.unsw.edu.au`
- Enter your zID and zPass as the username and password
- Click 'Connect'
- (you may wish to click 'Save' first, to save these details for next time)

Or, recently Window added support for OpenSSL (Guide). You can use that much as you would use scp on a Linux computer.

2.1.1: Using a SSH–key

You need have WinSCP offer your current SSH key as a credential.

1. Convert your existing SSH private key to a format that WinSCP reads.
2. Use the converted private key in WinSCP.

2.2: Using Mac

The preferred SFTP client for Mac is Cyberduck.
To connect:

- Click 'Open Connection'
- Select SFTP as the protocol
- Enter the server `login.cse.unsw.edu.au`
- Enter <your zID> and <your zPass> as the username and password
- Click 'Connect'
- (you may wish to click 'Add to keychain' first, to save your credentials for next time)

(Or on the commandline use scp)

2.3: Using Linux (ubuntu)

- Open the file browser
- Click on the File menu
- Click 'Connect to server'
- Enter the path `ssh://login.cse.unsw.edu.au`
- Click 'Connect'
- Use your zID and zPass as the username and password when prompted.

(Or on the commandline use scp)

3: Using a SSH client

If the computer you are using has a command-line SSH client, then you can use that to access files at CSE.

3.1: Make an archive

If you can connect to CSE using SSH then you can save an archive of CSE files and stream it to your computer. For instance, to make an archive of your CSE home directory:

```
ssh username@login.cse.unsw.edu.au "tar −czf − ~" > cse_homedir.tar.gz
```

Running that command does not change your CSE account and does not use up CSE account quota.

3.2: Rsync

You can use <u>Rsync</u> to keep a local copy of some files at CSE (or the reverse). To update a local copy of your remote CSE account:

```
rsync -az "username@login.cse.unsw.edu.au:" cse_home/
```

4: Other pages like this

- [Uploading and Downloading Files from CSE](#)
- [Using SSHFS](#)

Last edited by robertd 19/12/2023