

SCP Secure Copy Files from CS to Personal Computer (MAC)

UPDATED: for new student directory form: /home/CSLOGIN/private/

To copy files from your CSL Linux account to your local computer.

WinUsers: [MobaXterm Copy Files from CS to Personal Computer \(Windows\)](https://canvas.wisc.edu/courses/330348/pages/mobaxterm-copy-files-from-cs-to-personal-computer-windows)
(<https://canvas.wisc.edu/courses/330348/pages/mobaxterm-copy-files-from-cs-to-personal-computer-windows>)

MAC and Linux Terminal Users:

Use secure copy command from a terminal on your personal computer to copy all files from your CSL p1 folder to your current local directory:

First make sure that you know the location of your files on the remote-connection to best-linux.cs.wisc.edu machine:

1. Remote connect (using ssh) to your p1 directory on CSL Linux file system.
ssh cslogin@best-linux.cs.wisc.edu
2. Change directory to get to your p1 directory
cd ~/private/cs354/p1
3. Type pwd to get entire pwd path name for your directory.
4. It will look something like:
 1. /home/**deppeler**/private/cs354/p1 # **deppeler**'s
 2. /home/**bbadger**/private/cs354/p1 # **ucky badger**'s
 3. /home/**zhou**/private/cs354/p1 # **zhou**'s
 4. and so on ...
5. Note the exact directory path to your p1 folder contains the first letter of your cs login and the second letter.

Open a new terminal on your personal Mac OSX computer and create a folder for your project files:

```
mkdir -P ~/cs354/p1  
cd cs354/p1
```

Secure Copy

Now, execute a secure copy (scp) to get the all files from your p1 directory on the CSL file system to your current directory. The '*' character is also known as the wildcard character because it will match any filename characters. This means that we do not have type all file names.

```
scp cslogin@best-linux.cs.wisc.edu:/home/cslogin/private/cs354/p1/* .
```

Note: you must replace `cslogin` with ***your CS login username***

You must also have the period “dot” at the end to indicate the destination is the current directory on your machine.

The recursive copy option **-r** of the secure copy command will copy an entire folder from one machine to another.

```
scp -r cslogin@best-linux.cs.wisc.edu:/home/cslogin/private/cs354/p1 .
```