

So you're ready to upload your files to Gradescope

Here are your next steps:

- **CSE VM**
 - The VM supports a web browser, so you can open your internet browser of choice (Firefox is a good option) and upload as normal
- **CSE Virtual Desktop**
 - The virtual desktop also supports a web browser so you can open your internet browser of choice and upload as normal
- **attu**
 - There are several ways on how to do a file transfer from attu to a local computer
 - Command line
 - Works on every OS but requires you to figure out the command
 - WinSCP
 - Provides a GUI application so you can drag and drop files to your computer
 - Only for Windows
 - Cyberduck
 - Same as WinSCP, but works on Mac and Windows
 - The rest of this document has a guide on SCP commands and WinSCP
 - Cyberduck should have a similar process to WinSCP 😊

Opening files from Linux on a Windows machine sometimes breaks the line endings so be very careful not to open the files after you transfer them to a Windows machine. Directly upload them to Gradescope and check Gradescope's interface to make sure it is correct.

If you have any questions, feel free to post on the Ed discussion board

SCP via Command Line

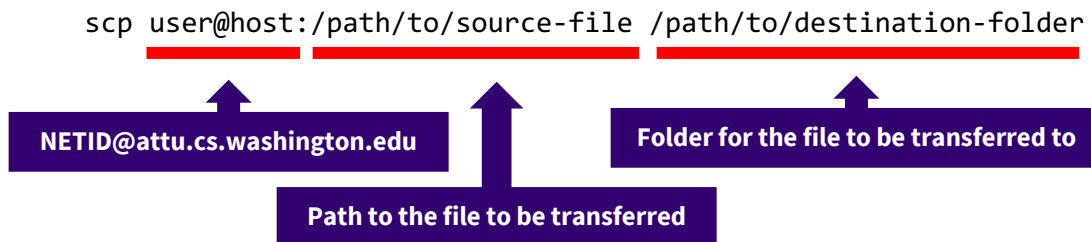
For the sake of this example, assume the following file structure:

File to be transferred from attu: `/homes/iws/NETID/333/ex0.c`

Directory on local machine for file to be transferred to: `C:\Users\user\Documents`

These directions will work regardless of if you're on Windows or Mac, but it's written based on a Windows user point of view

The basics of an SCP command from remote to local looks like this:



So for our example where we want to copy the `ex0.c` file to our documents folder on our local machine the command would look like this:

```
scp NETID@attu.cs.washington.edu:/homes/iws/NETID/333/ex0.c C:\Users\user\Documents
```

After typing this command, you will be prompted to enter your CSE password so that you can access attu and the file will be transferred.

Further commands of interest:

Adding the `-r` flag after `scp` will recursively traverse a source directory and copy it to the destination

```
scp -r NETID@attu.cs.washington.edu:/homes/iws/NETID/333/ C:\Users\user\Documents\
```

This command will copy the 333 folder to the Documents folder on your local machine.

Adding the `*` wildcard after the source directory will copy all files within the source directory and copy it to the destination

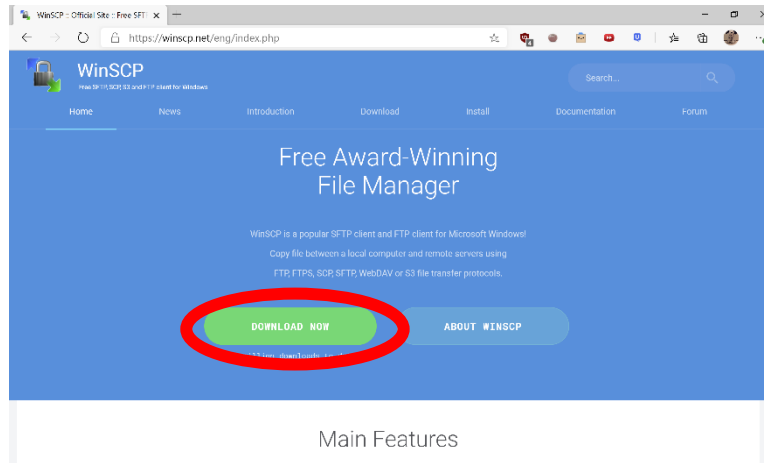
```
scp NETID@attu.cs.washington.edu:/homes/iws/NETID/333/* C:\Users\user\Documents\
```

This command will copy all the files in the 333 folder to the Documents folder on your local machine.

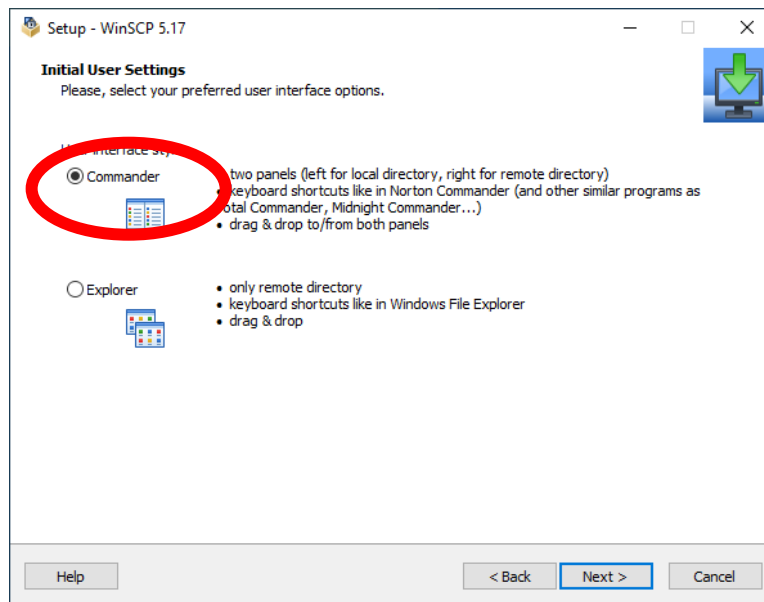
There are multiple variations you can apply to this base SCP command to do different things, so you're encouraged to go explore that if you're interested in it. As always, contact the course staff if you get stuck.

SCP via WinSCP

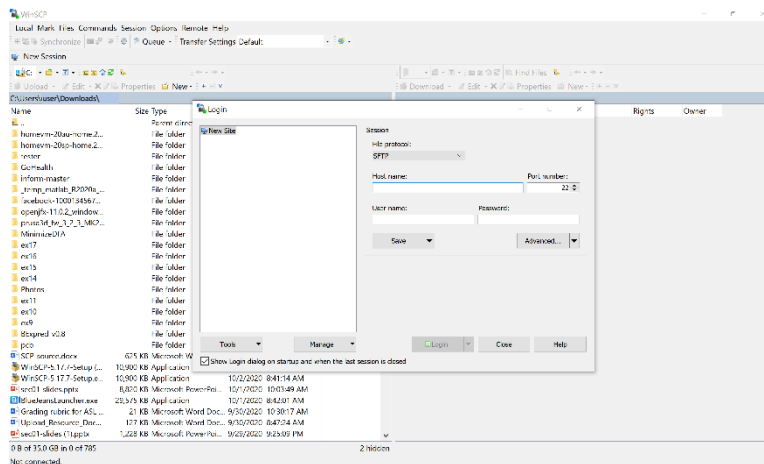
1. Install WinSCP from <https://winscp.net/>



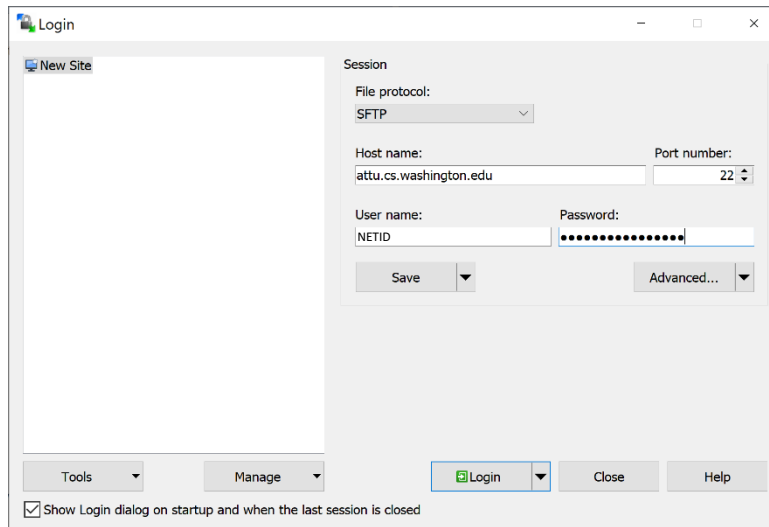
2. Click through all the defaults when installing.
 - a. Make sure that commander is selected and not explorer.



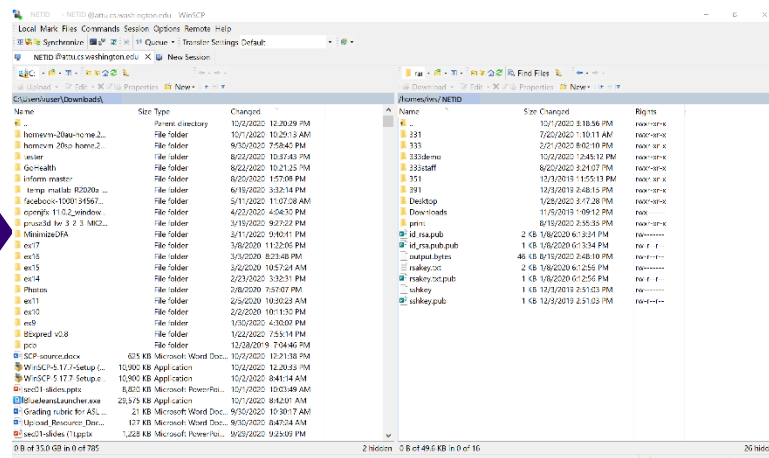
3. Open WinSCP and it should look like this.



4. Log in with your details and press login.
 - a. Host name: attu.cs.washington.edu
 - b. Port number: 22
 - c. User name: NETID
 - d. Password: Your CSE password



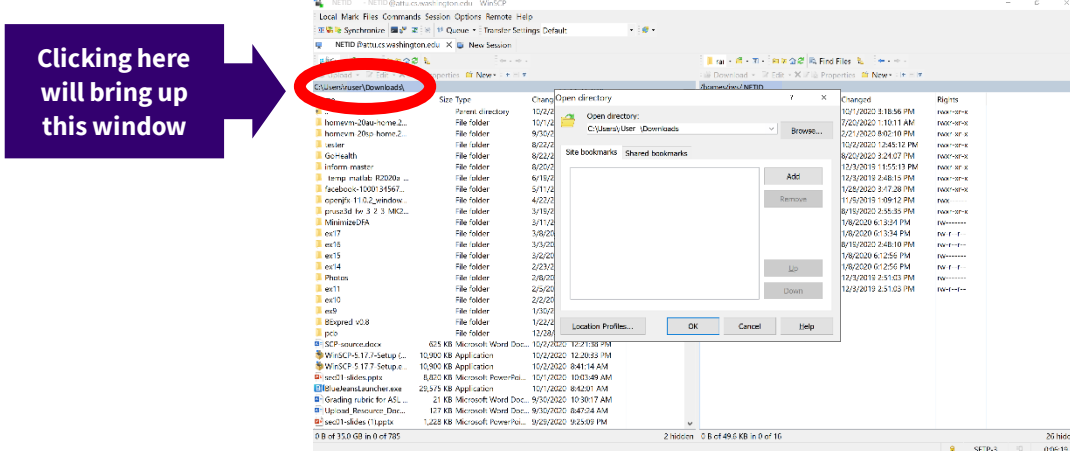
5. WinSCP will authenticate you and bring you to the following screen.



This will be your local directory, in this case the Downloads folder

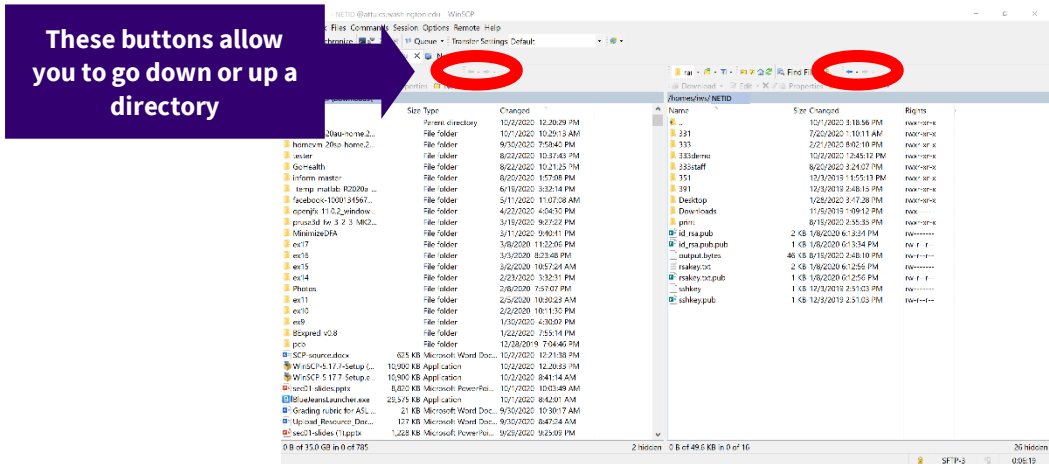
This side will be your home directory on attu

6. If you wish to transfer files to a different directory on your local machine, you can click here and browse to your directory of choice
 - a. You can browse for a different folder

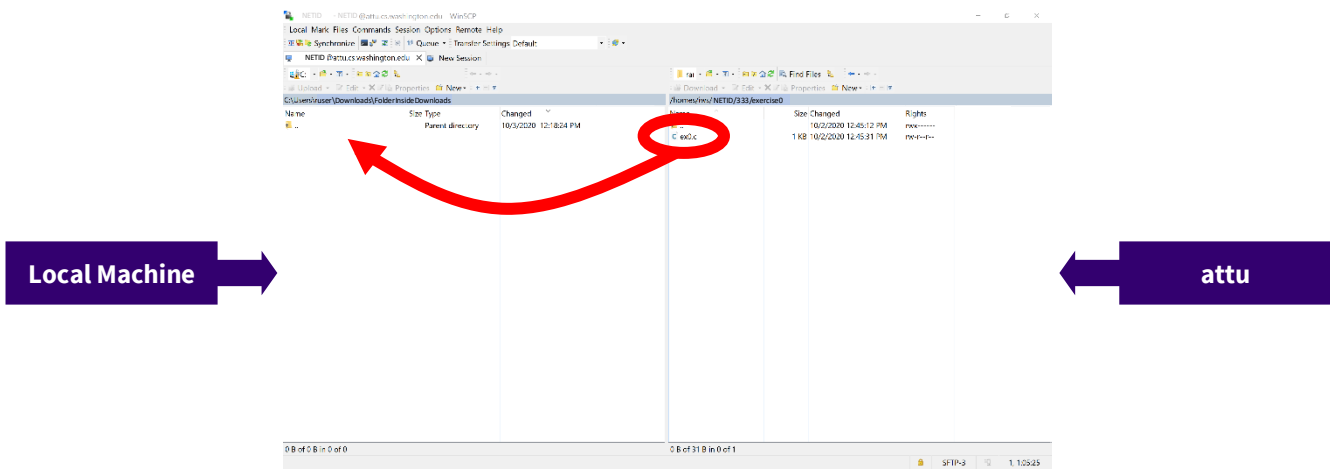


Clicking here will bring up this window

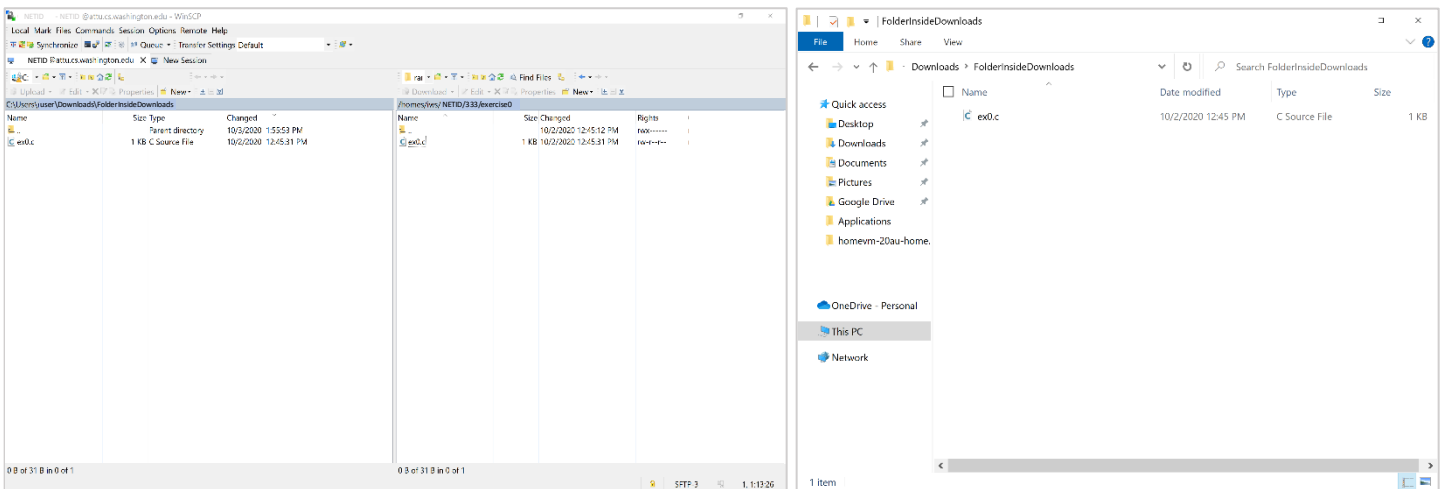
7. You can navigate to the folder where the file you want to transfer by clicking through the directories.



8. Once you are in the folder that contains the file you want to transfer and the location you want to transfer the file to, simply drag the file from the remote side to the local side.
 - a. This also works for transferring folders.



9. You're done! A copy of the file will be in the folder on your local machine.



10. When closing WinSCP, this window will pop up. You can go ahead and click yes.

