

## Information provided by Isabella Steinebach (CMSC216 Summer 2025 TA)

Commander One is a file management tool that allows you to transfer files between Grace and your local computer. It features a two-panel interface, enabling you to drag and drop files easily between the two locations. Through Commander One, you can remotely connect to both the 216 and 216public directories on Grace.

### Steps to Download Commander One for Mac:

1. Go to this link: <https://ftp-mac.com/sftp-client-mac.html>
2. Select "Direct Download". **DO NOT** select "Download on the Mac App Store". This version does not work correctly.
3. Follow the installation steps by dragging the app to your Applications folder.
4. You may see a pop-up asking you to provide **Full Disk Access**. Follow the instructions in the pop-up to enable it.
5. Once installed, open Commander One.

### Connecting to Grace:

1. Open Commander One
2. Select this **folder icon** on the top right corner:



3. Select **FTP & SFTP**
4. To connect to the **216 folder**, fill in the fields as follows.

Name: 216

Type: SFTP

Server: [grace.umd.edu](https://grace.umd.edu)

Port: 22

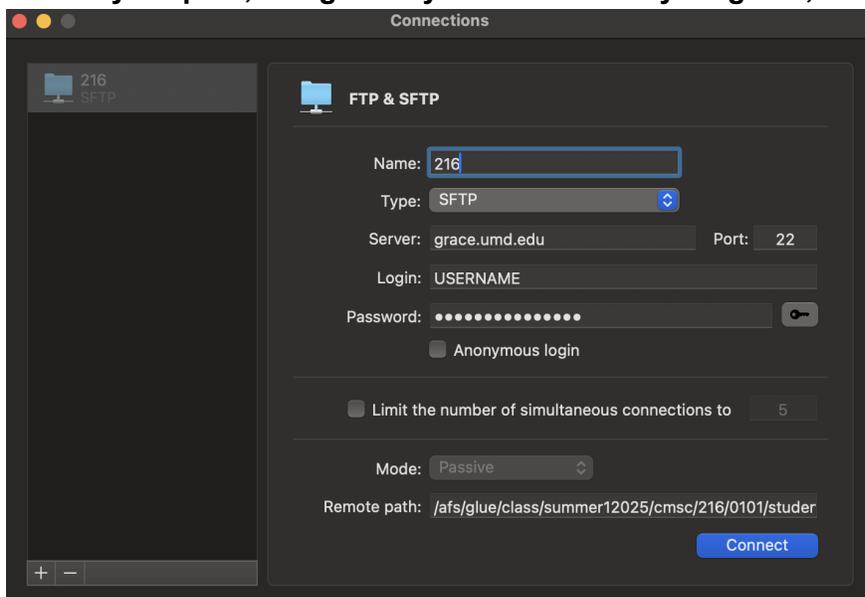
Login: USERNAME (e.g., terps)

Password: [your Grace password]

Remote Path: /afs/glue/class/summer12025/cmssc/216/0101/student-cmssc216-0101/USERNAME

**Note: The previous path is summer 2025.**

**To find your path, navigate to your 216 directory on grace, run "realpath .", and copy the output.**



- To also connect to the 216public folder, create a new connection and enter:

Name: 216public

Type: SFTP

Server: [grace.umd.edu](http://grace.umd.edu)

Port: 22

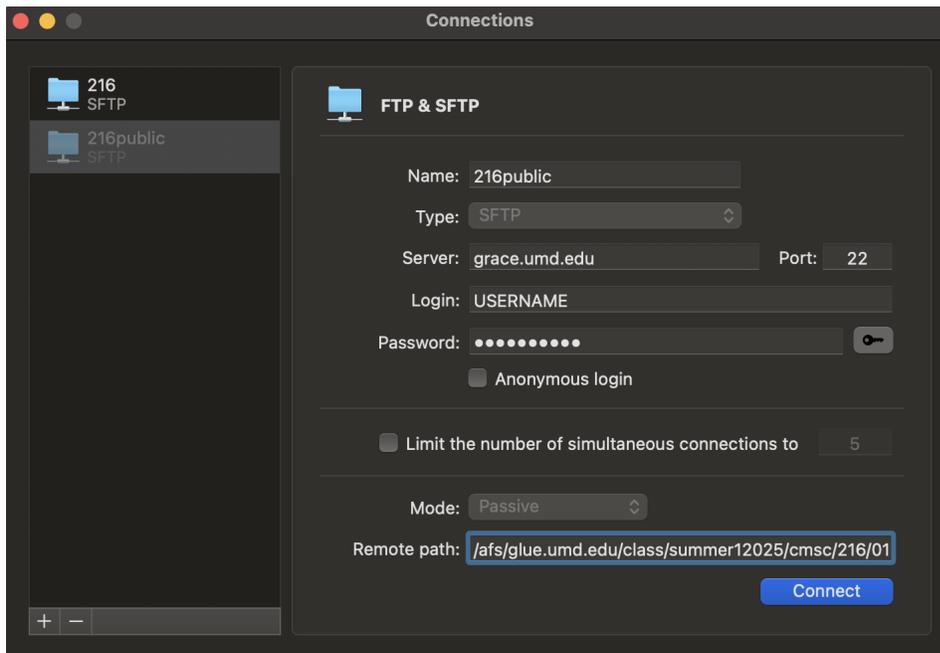
Login: USERNAME (ex: terps)

Password: [your Grace password]

Remote Path: /afs/glue.umd.edu/class/summer12025/cmssc/216/0101/public

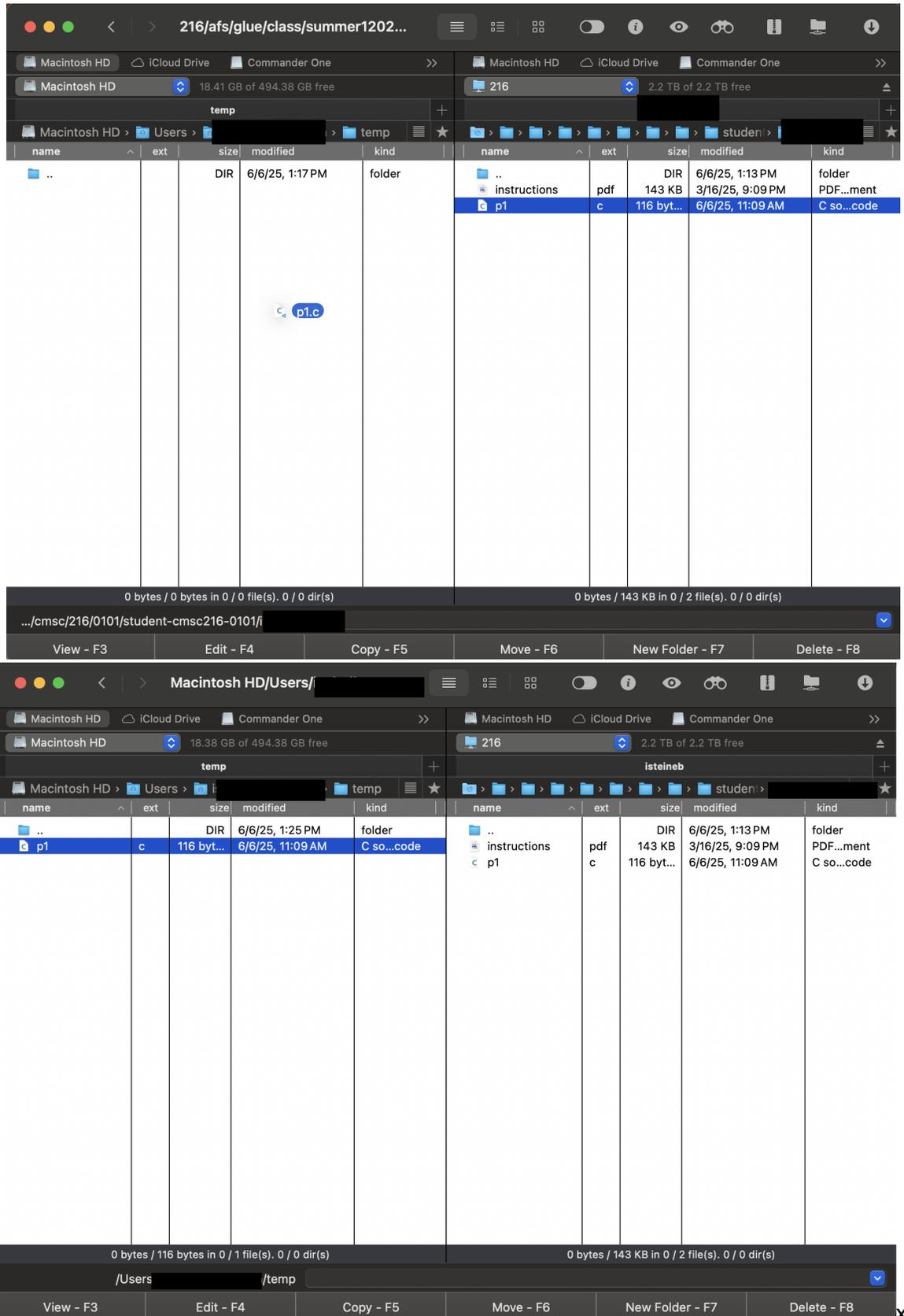
**Note: The previous path is summer 2025.**

**To find your path, navigate to your 216 directory on grace, run “realpath .”, and copy the output.**



- Now, you can have your **216 folder on Grace** open on one side of the screen and your **local directory** (e.g., Macintosh HD) on the other. This setup allows you to **drag and drop files** between Grace and your local computer.

7. In the screenshots below, the **left panel** shows my **local computer**, and the **right panel** shows my **216 folder on Grace**. I dragged p1.c from the 216 folder to my local computer, successfully transferring it from Grace to my local device.



8. You can also switch between your connections (e.g., between 216 and 216public) by clicking the **dropdown at the top of each panel** in Commander One and selecting the desired connection.

