

COMP1710 Partch Submission Guide

This is a quick guide of submitting assignment files to Partch.

Setting up your Partch account

In order for your file space on Partch to be created, you must first log in to the CECS Student Registration and Marks System (STREAMS).

1. Navigate to <https://cs.anu.edu.au/streams/>.
2. Log in using your ANU uid and password.
3. Log out.

Setting up remote access to ANU Intranet

If you are off campus (no matter whether you are in Australia or overseas), please first set up an ANU VPN by following the steps in the following link (Please use GlobalProtect instead of Anyconnect): <https://services.anu.edu.au/information-technology/login-access/remote-access>

Note: Please note that whenever you need to submit files to Partch, you would need the ANU VPN running.

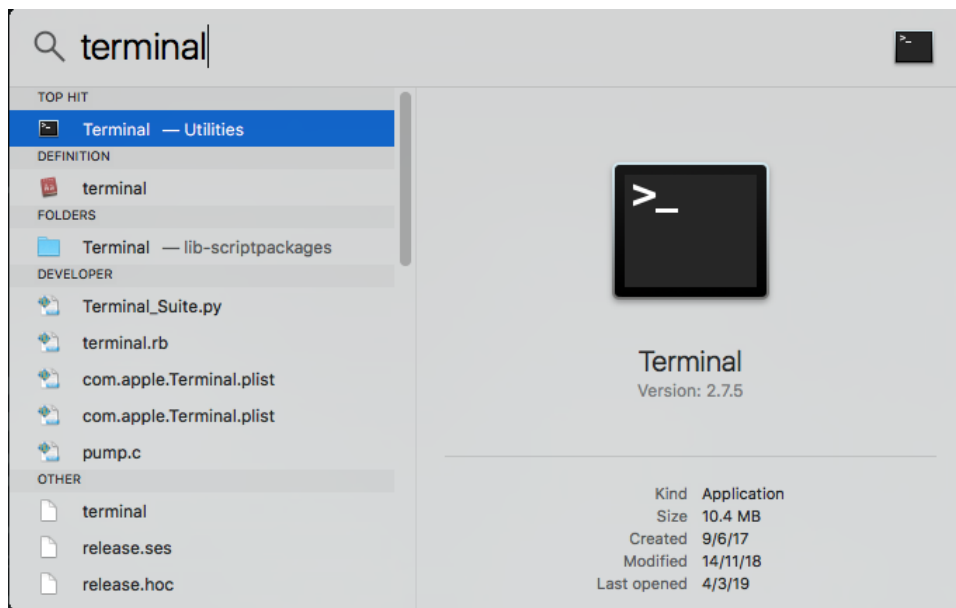
Note: If you cannot get ANU VPN work on your machine, please refer to <https://cs.anu.edu.au/docs/student-computing-environment/linuxlabs/remotearchive/> for other methods.

Submission Methods

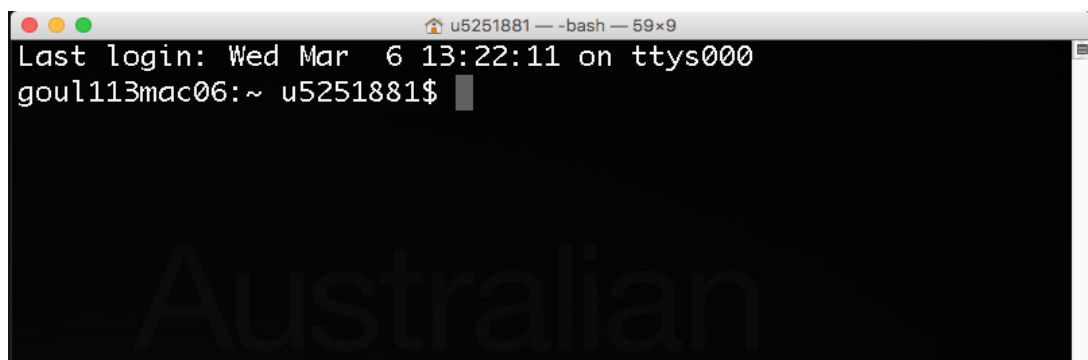
Note: You must place your assignment files into the public directory (folder) provided in your partch account, which is `/webusers/uni_id/public_html` (please don't change the name of the folder or it will not work). Files in this folder are visible to users on the ANU intranet (but not to users on the wider Internet).

Method 1: From a Mac OSX Terminal

1. Open the Terminal by hitting command  + space bar, typing Terminal.



2. Hit enter. The following screen should show up.

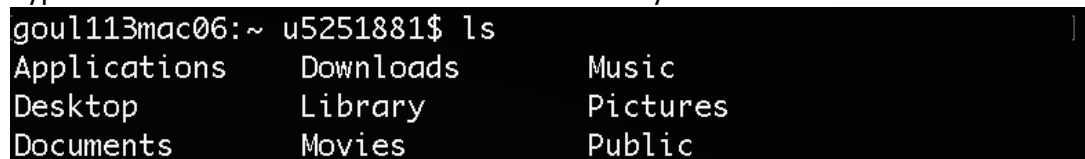


3. Navigate to the directory containing assignment files that you would like to upload to parch. Some useful commands to help you do this are:
 - a. Use the **ls** command to list the contents of the current directory
 - b. Use the **cd** command to change directories (for example, **cd Desktop** to shift to go to the desktop folder, or **cd ..** to move up a level)

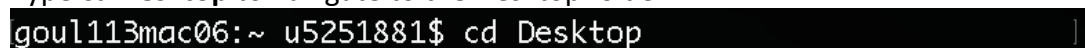
Example

Suppose you want to upload assignment.html to your parch account, and the assignment.html file is stored in Desktop/ folder on your local computer.

Type **ls** to list the contents of the current directory



Type **cd Desktop** to navigate to the Desktop folder



Type **ls** to see if assignment.html is inside the current directory

```
goul113mac06:~/Desktop u5251881$ ls  
assignment.html
```

4. Now since you have navigated to the directory where your assignment files are located, you can then use the secure copy command **scp** to upload your files to your partch account by typing the following command:

```
scp filename uni_id@partch.anu.edu.au:/webusers/uni_id/public_html
```

Example

Suppose now you would like to upload assignment.html file to your partch account and your uni id is u1234567.

Type the following command, hit enter.

```
scp assignment.html u1234567@partch.anu.edu.au:/webusers/u1234567/public_html
```

Type “yes” to the access question (only asked the first time only).

```
The authenticity of host 'partch.anu.edu.au (150.203.24.13)' can't be est  
ablished.  
ECDSA key fingerprint is SHA256:cZ+ablu0oDoAobG142/BDo6fxS5dFmmH+OXjbxLUK  
rk.  
Are you sure you want to continue connecting (yes/no)? yes
```

You will be asked to enter your password. This is an invisible prompt and will not show anything as you type.

```
u1234567@partch.anu.edu.au's password:
```

You should be able to see upload status like this, which means you have uploaded the file!

```
assignment.html          100% 6128    3.3MB/s   00:00
```

5. If you want to copy all the files and subdirectories in the current local directory to a to your partch account, you can type

```
scp -r * uni_id@partch.anu.edu.au:/webusers/uni_id/public_html
```

Note: There is a space between “scp” and “-r”, “-r” and “*”, and “*” and “uni_id”.

6. Refer to [verifying your files are uploaded correctly](#).

Method 2: From a Windows Terminal

1. Download pscp.exe from PuTTY
(<https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html>)
2. Put pscp.exe into the folder where your assignment files are stored.
3. Open the Windows command prompt, by hitting Win + R, type cmd and hit enter

4. Navigate to the directory containing assignment files that you would like to upload to partch. Some useful commands to help you do this are:
 - a. Use the **dir** command to list the contents of the current directory
 - b. Use the **cd** command to change directories (for example, **cd Desktop** to shift to go to the desktop folder, or **cd ..** to move up a level)

Example

Suppose you want to upload assignment.html to your partch account, and the assignment.html file is stored in Desktop/ folder on your local computer.

Type **cd Desktop** to navigate to the Desktop folder, and type **dir** to see if assignment.html is inside the current directory

```
C:\Users\Xuanying Zhu\Desktop>dir
Volume in drive C has no label.
Volume Serial Number is 38B8-3CDE

Directory of C:\Users\Xuanying Zhu\Desktop

19/02/2020  04:29 PM    <DIR>          .
19/02/2020  04:29 PM    <DIR>          ..
04/04/2019  04:26 PM                6,525 assignment.html
19/02/2020  04:29 PM            685,448 pscp.exe
```

5. Now since you have navigated to the directory where your assignment files are located, you can then use the secure copy command **pscp** to upload your files to your partch account by typing the following command:

```
pscp filename uni_id@partch.anu.edu.au:/webusers/uni_id/public_html
```

Example

Suppose now you would like to upload assignment.html file to your partch account and your uni id is u1234567.

Type the following command, hit enter.

```
pscp assignment.html u1234567@partch.anu.edu.au:/webusers/u1234567/public_html
```

Note: If you see an error message with “ssh_init: Network error: Cannot assign requested address”, please try the following command

```
pscp -P 22 assignment.html u1234567@partch.anu.edu.au:/webusers/u1234567/public_html
```

Type “y” to the access question (only asked the first time only).

```
The server's host key is not cached in the registry. You
have no guarantee that the server is the computer you
think it is.
The server's ssh-ed25519 key fingerprint is:
ssh-ed25519 255 3f:89:5f:0e:a3:cd:44:7f:22:ac:0f:c9:37:ee:0d:7e
If you trust this host, enter "y" to add the key to
PuTTY's cache and carry on connecting.
If you want to carry on connecting just once, without
adding the key to the cache, enter "n".
If you do not trust this host, press Return to abandon the
connection.
Store key in cache? (y/n) y
```

You will be asked to enter your password. This is an invisible prompt and will not show anything as you type.

```
u1234567@partch.anu.edu.au's password:
```

You should be able to see upload status like this, which means you have uploaded the file!

```
assignment.html          100% 6128      3.3MB/s   00:00
```

7. If you want to copy all the files and subdirectories in the current local directory to a to your partch account, you can type

```
pscp -r * uni_id@partch.anu.edu.au:/webusers/uni_id/public_html
```

Note: There is a space between “pscp” and “-r”, “-r” and “*”, and “*” and “uni_id”.

Note: If you see an error message with “ssh_init: Network error: Cannot assign requested address”, please try the following command

```
pscp -P 22 -r * uni_id@partch.anu.edu.au:/webusers/uni_id/public_html
```

8. Refer to [verifying your files are uploaded correctly](#).

Method 3: Graphical User Interface

By using this method, a third party application is required to provide the means to view and move files in folders using icons, akin to Windows Explorer or Mac OSX Finder.

1. Download and install an SCP/SFTP client.
For Mac OSX, Cyberduck is a good client to download.
For Windows, WinSCP is a good client to download. Cyberduck is also available for Windows.
2. Connect to Partch Open a new connection, and enter the following details:

File Protocol: SFTP (or SCP)
Host name: partch.anu.edu.au
Port number: 22

User name: <your uni id>
Password: <your password>

Hit Login/Connect.

3. Transfer files

The application will open you with a GUI representation of your files currently on Partch. Open a Windows Explorer or Mac OSX Finder window, browse to your files, and drag and drop these onto Partch. Make sure you are putting them in the **/webusers/uni_id /public_html** folder.

Verifying your files are uploaded correctly

There are two ways of verifying if your files are uploaded correctly.

Method 1: via a browser

Enter the following URL into a web browser (remember to replace u1234567 with your uni id)

From on campus: `partch.anu.edu.au/~u1234567/`

Use the above method if you are using a computer connected to the ANU network. This includes CECS computers in the CSIT building, or ANU IT Services computers in the COMP1710 lab room and ANU libraries.

From off-campus: `partch.anu.edu.au.virtual.anu.edu.au/~u1234567/`

Use the above method if you have connected your personal device to the ANU-Secure Wi-Fi network, or to the ANU network via the ANU VPN, or any non ANU network. You will be asked to log in using your username and password to use ANU's reverse proxy.

Note: If you have received 403 Forbidden HTTP status codes when attempting to view your web pages, that is because your files have not been granted with correct permissions. To solve this, please follow the procedures in Method 2: via SSH.

Method 2: via SSH

1. Connect to your partch account on a terminal by typing (remember to replace u1234567 with your uni id)

```
ssh u1234567@partch.anu.edu.au
```

and type "yes" to the access question (only asked the first time only) and type in your password.

```
goul113mac06:~/Desktop u5251881$ ssh u1234567@partch.anu.edu.au  
u1234567@partch.anu.edu.au's password: ?
```

Now you should be able to see a screen like this. (Please note that the circled area says you are in partch now)

```
u1234567@partch:~$
```

2. Type the following command to navigate to your public_html folder, which the server will look at to launch your website
`cd /webusers/u1234567/public_html`

```
u5251881@partch:~$ cd /webusers/u5251881/public_html
u5251881@partch:/webusers/u5251881/public_html$
```

Note: You may see a public_html folder under /students/uni_id/, but that is NOT the folder we are after. Only files under /webusers/uni_id/public_html can be seen on a browser on the ANU intranet.

3. Then you can check the files by typing
`ls -l`

```
u5251881@partch:/webusers/u5251881/public_html$ ls -l
total 680
-rw-r--r-- 1 u5251881 student 126 Feb 19 17:13 assignment.html
```

Now you should be able to see your assignment.html as above.

However, it is very likely that you may receive 403 Forbidden HTTP status codes when attempting to view your website. This is caused by your client not having the necessary privileges to view the content on partch. So you have to change the file permissions.

4. Type the following command to change permissions for all files and any subdirectories

```
chmod -R g+r *
```

```
u5251881@partch:/webusers/u5251881/public_html$ chmod -R g+r *
```

5. Type `ls -l` to check if the permissions are now correct. The fifth letter of the permission string (as circled) should be `r`.

```
u5251881@partch:/webusers/u5251881/public_html$ ls -l
total 680
-rw-r(r)-r-- 1 u5251881 student 126 Feb 19 17:13 assignment.html
```