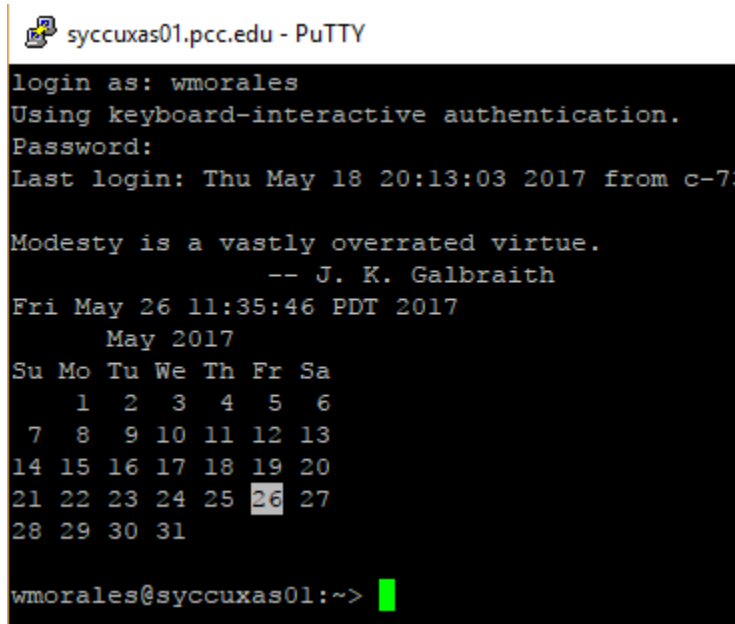


## Using PSFTP to download files from to the server

Some activities ask you to download a file from the server to your computer. Before you download the file from the server you will also have to convert it to ASCII (DOS/WINDOWS). Here are the steps.

Login to the server

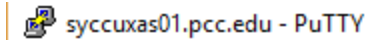


```
syccuxas01.pcc.edu - PuTTY
login as: wmorales
Using keyboard-interactive authentication.
Password:
Last login: Thu May 18 20:13:03 2017 from c-75

Modesty is a vastly overrated virtue.
      -- J. K. Galbraith
Fri May 26 11:35:46 PDT 2017
    May 2017
Su Mo Tu We Th Fr Sa
    1  2  3  4  5  6
  7  8  9 10 11 12 13
14 15 16 17 18 19 20
21 22 23 24 25 26 27
28 29 30 31

wmorales@syccuxas01:~>
```

Crete your file using vi



```
wmorales@syccuxas01:~> file psftpexample.sh
psftpexample.sh: Bourne-Again shell script, ASCII text executable
wmorales@syccuxas01:~>
```

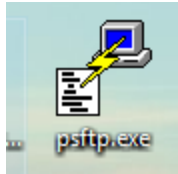
```
wmorales@syccuxas01:~> unix2dos psftpxexample.sh
```

```
unix2dos: converting file psftpexample.sh to DOS format...
wmorales@syccuxas01:~>
```

```
psftpexample.sh: Bourne-Again shell script, ASCII text executable, with CRLF line terminators
wmorales@syccuxas01:~>
```

```
wmorales@syccuxas01:~> mv psftptestexample.sh psftptestexample.sh.txt
wmorales@syccuxas01:~>
```

<https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html>



Next you will need to connect to our server using the command `open syccuxas01.pcc.edu` at the psftp prompt

Select C:\Users\wtmor\Desktop\psftp.exe

```
psftp: no hostname specified; use "open host.name" to connect
psftp> open syccuxas01.pcc.edu
```

Login to the system with your credentials and if it all goes well, you will be no error messages.

C:\Users\wtmor\Desktop\psftp.exe

```
psftp: no hostname specified; use "open host.name" to connect
psftp> open syccuxas01.pcc.edu
login as: wmorales
Using keyboard-interactive authentication.
Password:
Remote working directory is /home/inst/wmorales
psftp>
```

By typing the command `help`, it will list the commands available to use from the psftp prompt

```

psftp> help
!      run a local command
bye    finish your SFTP session
cd     change your remote working directory
chmod  change file permissions and modes
close  finish your SFTP session but do not quit PSFTP
del    delete files on the remote server
dir    list remote files
exit   finish your SFTP session
get    download a file from the server to your local machine
help   give help
lcd    change local working directory
lpwd   print local working directory
ls     list remote files
mget   download multiple files at once
mkdir  create directories on the remote server
mput   upload multiple files at once
mv     move or rename file(s) on the remote server
open   connect to a host
put    upload a file from your local machine to the server
pwd    print your remote working directory
quit   finish your SFTP session
reget  continue downloading files
ren    move or rename file(s) on the remote server
reput  continue uploading files
rm     delete files on the remote server
rmdir  remove directories on the remote server
psftp>

```

You can list the files to locate the file that you want to download

```

psftp> ls psftp*
Listing directory /home/inst/wmorales
-rw-r--r--  1 wmorales instructors    99 May 26 11:44 psftpexample.sh.txt
psftp>

```

Use the get command to download the file. You may get an error saying that you are unable to open the file. Sometimes you may not have root permission on your own machine to download file, so change the download directory to something like Desktop or a thumb drive.

```

psftp> get psftpexample.sh.txt
local: unable to open psftpexample.sh.txt

```

If you get such error, just change to another directory with the lcd command


Once you change the directory to a new one, you should be successful with your transfer

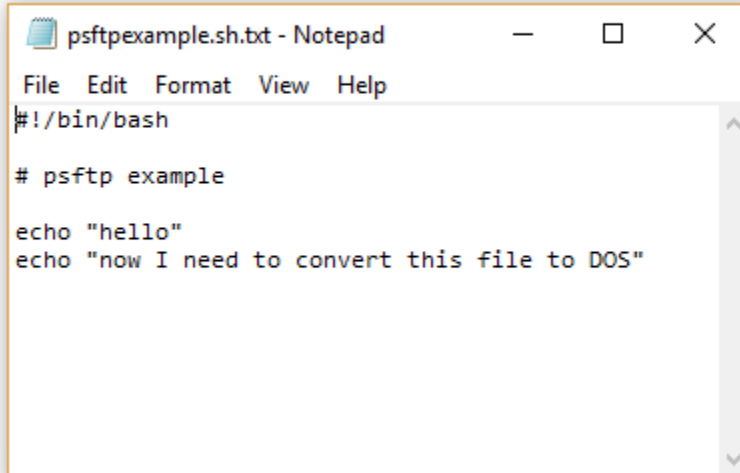
```

psftp> lcd s:\
New local directory is s:\
psftp> get psftpexample.sh.txt
remote:/home/inst/wmorales/psftpexample.sh.txt => local:psftpexample.sh.txt
psftp>

```

If the get command worked successfully, you will find your file in the directory that you specified in the proper text format. Upload this file to the appropriate dropbox.

Name	Date	Type	Size
 psftpexample.sh.txt	5/26/2017 12:04 PM	Text Document	1 KB



```
#!/bin/bash

# psftp example

echo "hello"
echo "now I need to convert this file to DOS"
```

#### MAC Users

If you are a Mac/Linux user the process is similar but the software that you use has to be a secure ftp program to allow you to connect to our server.

You can also do it from the command line prompt

[http://answers.stat.ucla.edu/groups/answers/wiki/7a848/Using\\_SSH\\_and\\_SFTP\\_in\\_Mac\\_OS\\_X.html](http://answers.stat.ucla.edu/groups/answers/wiki/7a848/Using_SSH_and_SFTP_in_Mac_OS_X.html)

Filezilla is another graphical option, but I am hoping that you master psftp from a command line prompt if you need it in the near future.

<https://filezilla-project.org/>