

COP 3223 Introduction to Programming in C, Section 203 Fall 2016

Using scp to transfer files

The `scp` command is used to transfer files between your computer and your eustis account.

1 Open a command line window

1.1 Mac OSX

Open a Terminal window.

1. Click on the Applications directory.
2. Click on the Utilities directory.
3. Click on the Terminal application (Terminal.app) to open a terminal window.

1.2 Windows

To use `scp` in Windows, you must have downloaded `pscp.exe` from the putty website (<http://www.chiark.greenend.org.uk/~sgtatham/putty/download.html>). Open a Console window.

1. Open the “Run” window.
2. Enter “cmd” and click on “OK”.

2 Transferring the file

Move to the directory in which your source file resides or in which you want to place the target file.

1. Use the “`cd`” command to move to the desired directory on your computer.

Execute the transfer.

1. To copy a file from your computer to your eustis account:
`scp <sourcefile> <your nid>@eustis.eecs.ucf.edu:<targetfile>`
2. To copy a file from your eustis account to your computer:
`scp <your nid>@eustis.eecs.ucf.edu:<sourcefile> <targetfile>`

3. In both cases above, `<sourcefile>` is the name of the source file and may include a directory path, and `<targetfile>` is the name of the target file and may include a directory path. For example...

(a) If you want to copy a file called `pizza.c` from the current directory of your computer to your home directory on eustis, you would enter

```
scp pizza.c <your nid>@eustis.eecs.ucf.edu:pizza.c
```

or

```
scp pizza.c <your nid>@eustis.eecs.ucf.edu:.
```

In the second example, the period indicates that your target file should be given the same name as the source file.

This copies a file called `pizza.c` from your computer to `/home/<your nid>/pizza.c`.

(b) If you want to copy a file called `pizza.c` from the current directory of your computer into the directory `/home/<your nid>/cop3223/hw1/`, you would enter

```
scp pizza.c <your nid>@eustis.eecs.ucf.edu:cop3223/hw1/pizza.c
```

or

```
scp pizza.c <your nid>@eustis.eecs.ucf.edu:cop3223/hw1/.
```

Again, the period indicates that your target file should be given the same name as the source file.

This copies a file called `pizza.c` from your computer to `/home/<your nid>/cop3223/hw1/pizza.c`.

(c) If you want to copy a file called `pizza.c` from the directory `/home/<your nid>/cop3223/hw1` on your eustis account into the current directory of your computer, you would enter

```
scp <your nid>@eustis.eecs.ucf.edu:cop3223/hw1/pizza.c pizza.c
```

or

```
scp <your nid>@eustis.eecs.ucf.edu:cop3223/hw1/pizza.c .
```

Again, the period indicates that your target file should be given the same name as the source file.

This copies the file `/home/<your nid>/cop3223/hw1/pizza.c` to a file called `pizza.c` in the current working directory of your computer.

4. Note that the system will prompt you for your eustis password before making the transfer.

5. If the file that you are referring to on your local computer is not in the current directory and you need to include a directory path, please be aware that Windows path names use the back slash (`\`) while Unix path name use the forward slash (`/`). The Macintosh Terminal window is a Unix terminal so Macintosh path names use the forward slash (`/`).