Useful details: sftp p. 1

Useful details: sftp

sftp - secure file transfer program - how to transfer files to and from nrsprojects

sftp (secure file transfer program) is used to transfer files between computers across a network. It allows you to connect to a remote computer and transfer files between it and the computer you connect to from wherever you are on the Internet.

You can use this to save backup copies of your nrs-projects files onto your own computer.

And -- if you prefer to type your SQL scripts on your own computer -- you can use this to transfer those scripts to nrs-projects to execute them using Oracle sqlplus.

...from Windows

WinSCP, installed in HSU campus labs, is a "graphical" implementations of sftp.

And, there is an open source version, FileZilla, which has versions for Windows and Mac OS X, available from:

https://filezilla-project.org/

For any of these choices of software, use nrs-projects.humboldt.edu as the host, and use your campus username, and your campus password. If WinSCP or FileZilla require a port number, enter a port number of 22.

Once you have connected, you can drag files from the left side to the right side to move files from your computer to nrs-projects, and from the right side to the left side to move files from nrs-projects to your computer.

...from Mac OS X or Linux (or Windows 10 running bash?)

There are graphical sftp clients for these, too -- for example, FileZilla, which has versions for Windows and Mac OS X, is available from:

https://filezilla-project.org/

-- but I tend to just use their command-line versions (which should already be installed on your computer).

For the command-line approach, on Mac OS X, you'll want to open a terminal using the Terminal application (under Applications -> Utilities); if you use Linux, you probably already know how to open a terminal window under whatever version you are running.

Once you have a terminal window open, life is easier if you go to the directory (using the cd command) where the files are that you want to transfer. Then, type:

```
sftp your_hsu_username@nrs-projects.humboldt.edu
```

substituting your HSU username where indicated. Answer y for yes to agree if it asks you if its really okay to proceed, and type in your HSU campus password when indicated. (NOTE: your password will not show on the screen when you type it, for security reasons! It IS still being read in.)

Once you see the prompt:

Useful details: sftp p. 2

sftp>

...you are now connected to nrs-projects using sftp, and can type sftp commands at this prompt. (Type the enter key to end an sftp command, and note that Unix is case-sensitive.)

Here are a few very useful sftp commands:

cd directory_name	change to directory directory_name on nrs-projects
lcd directory_name	(local cd) change to directory <i>directory_name</i> on your (local) computer
pwd	see the name of the current directory on nrs-projects
lpwd	(local pwd) see the name of the current directory on your (local) computer
ls	list the files in the current directory on nrs-projects
lls	(local 1s) list the files in the current directory on your (local) computer
put file_name	transfer a copy of the file <i>file_name</i> from your computer to nrsprojects
get file_name	transfer a copy of the file <i>file_name</i> from nrs-projects to your computer
?	gives a list of sftp commands, each with a 1-line description
quit	exit sftp

It is good practice to quit (type the command quit or type the ctrl and d keys at the same time) when you are done.