

How to use SSH to transfer files around

Use SSH or SCP to copy files

SSH is a widely used method for connecting to CHPC machines, it can also be used to securely transfer files. Most Unix/Linux variations (Including Mac osX) now come with the SSH/SCP command built in, but you will have to install a client for windows machines.

One of the most common SCP clients for windows is [WinSCP which can be downloaded from http://winscp.net/eng/download.php](http://winscp.net/eng/download.php)

[another one is PuTTY http://www.chiark.greenend.org.uk/~7Esgtatham/putty/](http://www.chiark.greenend.org.uk/~7Esgtatham/putty/) but this is more for command line interfacing not GUI.

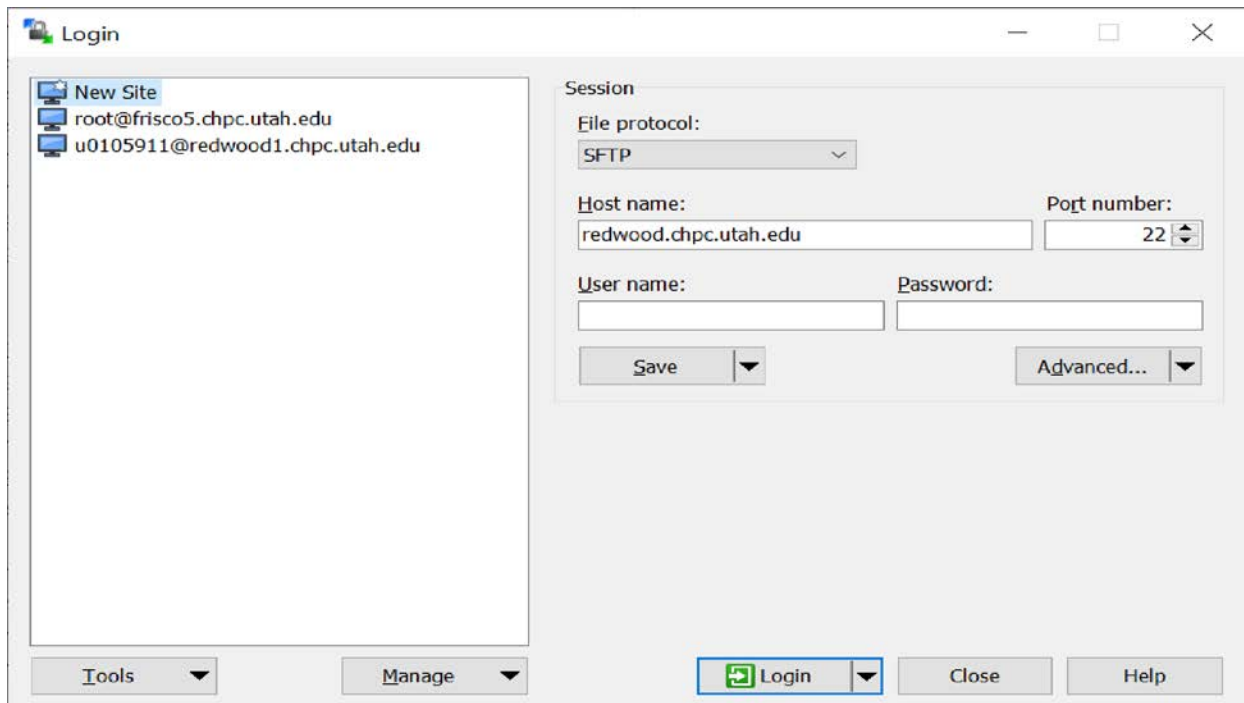
Once you have a ssh/scp client installed on your machine you can transfer files by..

NOTE: make sure to use the SCP or winscp or sftp client on your client **NOT** narwhal or redwood1 otherwise you won't be able to move files to your client.

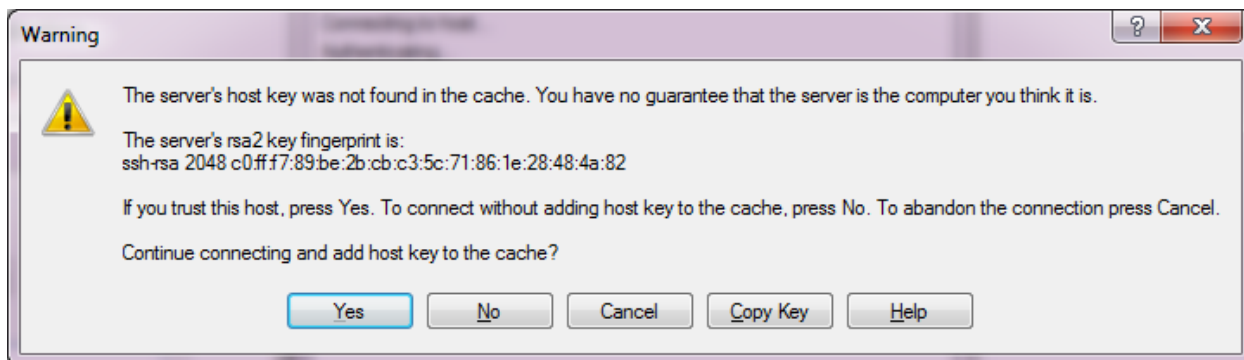
1) Make sure you have a UofU campus IP address (one can use the @utah.edu vpn for this, see [How to connect to vpn for CHPC resources](#))

2) use SCP to transfer the files to/from source/destination, redwood1.chpc.utah.edu is the general linux interactive node. Alternatively pe-dtn01.chpc.utah.edu (or pe-dtn02, pe-dtn03) can be used as well.

create a session profile (you can use SFTP or SCP for file protocol)



The first time you connect it will ask you to accept the host key, accept "YES"



Your connection will look similar to this and you can drag and drop files, etc.

u0105911 - u0105911@apex.chpc.utah.edu - WinSCP

Local Mark Files Commands Session Options Remote Help

u0105911@apex.chpc.utah.edu

My documents

C:\Users\{u0105911}\Documents

Name	Ext	Size	Type	Changed	Attr
..			Parent directory	9/22/2014 10:00:5...	r
Book Place			File folder	9/23/2014 2:26:28 ...	
cache			File folder	5/12/2014 10:28:3...	sh
TurboTax			File folder	3/2/2014 2:38:04 ...	
samsungS4offloadfile...			File folder	12/24/2013 10:21:...	
workdesktopback			File folder	11/11/2013 8:09:5...	
asi			File folder	10/24/2013 4:29:0...	
Audible			File folder	10/3/2013 4:39:41 ...	
Dell Downloads			File folder	9/23/2013 1:46:28 ...	
Amazon MP3			File folder	4/10/2013 6:06:00 ...	
Wondershare DVD Cr...			File folder	8/24/2012 10:14:4...	

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F2 Rename F4 Edit F5 Copy F6 Move F7 Create Directory F8 Delete F9 Properties F10 Quit

u0105911

/uufs/chpc.utah.edu/common/HIPAA/u0105911

Name	Ext	Size	Changed	Rights	Owner
..			9/19/2014 4:06:53 ...	rwxr-xr-x	root
.cache			9/8/2014 3:30:39 PM	rwX-----	u01059...
.config			9/8/2014 3:30:39 PM	rwXr-xr-x	u01059...
.dbus			1/2/2014 4:43:14 PM	rwX-----	u01059...
.eggccups			4/25/2014 2:30:47 ...	rwX-----	u01059...
.fastx_server			4/25/2014 2:30:35 ...	rwXr-x--	u01059...
.fontconfig			1/2/2014 4:44:33 PM	rwXr-xr-x	u01059...
.gconf			9/8/2014 3:30:39 PM	rwX-----	u01059...
.gconfd			9/8/2014 3:31:17 PM	rwX-----	u01059...
.gnome			4/25/2014 2:30:47 ...	rwX-----	u01059...
.gnome2			4/25/2014 2:30:48 ...	rwX-----	u01059...

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SFTP-3 0:00:21