**SCP –PSCP:**

Ref:http://www.hypexr.org/linux\_scp\_help.php

https://www.bitvise.com/configuring-ssh-server-for-sftp

>> install the scp server on the host windows machines. btvise ssh server will be useful in this purpose. you can create virtual users or os level users can be used. in the virtual file system layout, we can share/mount various folders.

-------------------------------------------------------------------------Copy the file "foobar.txt" from a remote host to the local host

$ scp your\_username@remotehost.edu:foobar.txt /some/local/directory

Copy the file "foobar.txt" from the local host to a remote host

$ scp foobar.txt your\_username@remotehost.edu:/some/remote/directory

Copy the directory "foo" from the local host to a remote host's directory "bar"

$ scp -r foo your\_username@remotehost.edu:/some/remote/directory/bar

Copy the file "foobar.txt" from remote host "rh1.edu" to remote host "rh2.edu"

$ scp your\_username@rh1.edu:/some/remote/directory/foobar.txt \

your\_username@rh2.edu:/some/remote/directory/

Copying the files "foo.txt" and "bar.txt" from the local host to your home directory on the remote host

$ scp foo.txt bar.txt your\_username@remotehost.edu:~

Copy the file "foobar.txt" from the local host to a remote host using port 2264

$ scp -P 2264 foobar.txt your\_username@remotehost.edu:/some/remote/directory

Copy multiple files from the remote host to your current directory on the local host

$ scp your\_username@remotehost.edu:/some/remote/directory/\{a,b,c\} .

$ scp your\_username@remotehost.edu:~/\{foo.txt,bar.txt\} .

scp Performance

By default scp uses the Triple-DES cipher to encrypt the data being sent. Using the Blowfish cipher has been shown to increase speed. This can be done by using option -c blowfish in the command line.

$ scp -c blowfish some\_file your\_username@remotehost.edu:~

It is often suggested that the -C option for compression should also be used to increase speed. The effect of compression, however, will only significantly increase speed if your connection is very slow. Otherwise it may just be adding extra burden to the CPU. An example of using blowfish and compression:

$ scp -c blowfish -C local\_file your\_username@remotehost.edu:~

-------------------------------------------------------------------------

>> to copy a file from local windows server to remote linux machine. give this example commmand:

pscp "C:\Users\Vivek\Desktop\New folder\publickkey" vivek@192.168.1.2:/home/vivek

C:\Users\Vivek>pscp "C:\Users\Vivek\Desktop\New folder\publickkey" vivek@192.168.1.2:/home/vivek

vivek@192.168.1.2's password:

publickkey | 0 kB | 0.5 kB/s | ETA: 00:00:00 | 100%

>> To copy from a remote linux server to local windows machine, give the below commmand.

C:\Users\Vivek>pscp vivek@192.168.1.2:/home/vivek/Desktop/publickkey "C:\Users\Vivek\Desktop\New folder\publickkey"

vivek@192.168.1.2's password:

publickkey | 0 kB | 0.5 kB/s | ETA: 00:00:00 | 100%

>> to copy a directory, use "r" flag. r=recursive.

$ scp -r foo your\_username@remotehost.edu:/some/remote/directory/bar --> it wil copy the local directory called "foo" to the remote directory "bar".

>> copy multiple files

$ scp foo.txt bar.txt your\_username@remotehost.edu:~ --> it will copy foo.txt, and bar.txt

>> $ scp your\_username@remotehost.edu:~/\{foo.txt,bar.txt\} .