***PUTTy PSCP***(Putty Secure Copy Program)

      These commands really saved me lot of time when i have to copy huge files (GBs!!) from different server machines, as opposed to drag-drop the files.

         **Install PSCP and copy to preferably in C:\Windows\System32**

         **Open cmd->in promt:** set PATH= **C:\Windows\System32**

**(**This will only work for the lifetime of that particular console window**)**

**OR**

 Cygwin tool can be used.

                     Tool I love:  Babun for windows.

**DOWNLOAD OR COPY FILES FASTER between multiple host machines**

**I    LOCAL machine to REMOTE Machine copy**

***1) Copy files from Local machine to Remote machine***

**Syntax:**

pscp -i "<ppk\_file\_path>" -P <port\_no> <local\_file\_name> <remote\_user\_name>@<host\_name>:/<path\_in\_remote>

**EG:**   pscp -i "D:\sample\_ppk\_file.ppk" -P 221 sample.txt  root@10.20.2.72:/var/www

***2)******Copy entire Directory from local to remote (-r   copy source file recursively)***

***Syntax:***

pscp -i "<ppk\_file\_path>" -P <port\_no> <local\_folder\_name>**\\***<remote\_user\_name>@<host\_name>:/<path\_in\_remote>

Eg: pscp -r -i "D:\sample\_ppk\_file.ppk" -P 221 test.csv\\* root@10.20.2.72:/var/www

***3) Copy multiple directories to remote***

pscp -r -i "D:\cloud-admin.ppk" -P 22 <localdir1><dir2> root@10.20.2.72:/var/

                                          **II    REMOTE machine to LOCAL machine copy**

scp -i  "D:\sachin\Metro\_Web.ppk" -P 141 metrouser@metroretail.cloudapp.net:/DBdrive/MetroImagesUpload /Cygdrive/d/<path>

NOTE:  /**cygdrive**is the command to access the local machine files(in Cygwin or babun tools)

**III    REMOTE machine to REMOTE copy**

      1)      **Convert ppk to ppm**

sudo apt-get install putty-tools

puttygen ppkkey.ppk -O private-openssh -o UATPemkey.pem

             Place the pemkey.pem file in your ~/.ssh directory: as:

cp pemkey.pem ~/.ssh

chmod 400 pemkey.pem

2) scp -i /<path\_to\_ppm\_file> /<source\_remote\_path>  <dest\_user@host\_name>:/<dest\_remotepath>

**If in case the copy got aborted/ your machine got switched off, the same can be resumed using rysync command:**

**Resume download using rsync**

To access local Drive file**:   /cygdrive/d/<path>**

rsync -avmz -e "ssh -p 141 -i /cygdrive/d/sachin/your\_ppk\_file.ppk"   username@host\_name:/file\_path/filename.sql /cygdrive/d/sachin/

***DB BACKUP command***

mysqldump  -u root –p databasename  --routines > [path]  eg: /var/import/dbbackups/fuldump.sql

***DB Restore command***

Mysql –u root –p databasename < [path]

***Navigation Commands***

|  |  |
| --- | --- |
| **Command** | **Description** |
| Ctrl+v | Block Selection |
| gg | Go to first line |
| Shift+g | Go to last line |
| o | Go to next line and start editing |
| Shift+o | Go to previous line and start editing |
| Shift+v | Highlight current line |
| Shift+v Shift+g | Highlight current line until end of file |
| Shift+^ | Go to to the beginning of the line |
| Shift+$ | Go to the end of the line |

***Working with multiple files***

|  |  |
| --- | --- |
| **Command** | **Description** |
| :split filename | Split window and open file in new split |
| :vsplit filename | Split window vertically and open file in new split |
| :vs filename | Split window vertically and open file in new split |
| ctrl-w ctrl-w | Go to next window |

***Recipes***

|  |  |
| --- | --- |
| **Command** | **Description** |
| gg Shift+v Shift+g | Highlight the whole file |
| Ctrl+v | Block Selection |