

### Directory / Files

<b>cd</b> Directoryname	Change Directory
<b>ls</b>	List Items in Current Directory
<b>ls -lha</b>	List Items with extra Info in Current Directory
<b>mkdir</b> Directoryname	Make Directory in Current Directory
<b>mv</b> Filename (new Location or Filename)	Move or Rename File or Folder
<b>mv -R</b> Filename (new Location or Filename)	Move or Rename File or Folder including subdirectories
<b>cp</b> Filename (Copied Filename)	Copy an File
<b>cp -R</b> Directoryname (Copied Directoryname)	Copy an Directory

### Backups

<b>tar -czvf</b> Backupname.tgz .	Backup complete Content from Current Directory
<b>tar -czvf --exclude="ExcludeData"</b> Backupname.tgz .	Backup Content from Current Directory with Excludes
<b>tar -xzvf</b> Backupname.tgz	Extract Backup in Current Directory
<b>mysqldump -u</b> User <b>-p</b> Password DBName <b>-h</b> Host > Backupname.sql	Backup/Export Database to Current Directory
<b>mysql -u</b> User <b>-p</b> Password DBName <b>-h</b> Host < Backupname.sql	Import Backup from Current Directory to Database

### VI / VIM Editor

**vim** Filename *create/edit File*

#### In Editor Command Mode

<b>:w</b>	To Save the File
<b>:q</b>	To Close the Editor
<b>:wq</b> or <b>:x</b>	To Save and Close the Editor
<b>? Word</b>	To Search in the File
Press <b>i</b>	To switch to Insert Mode

#### In Editor Insert Mode

Press **ESC** *To exit the Insert Mode and go to Command Mode*

**Important** Don't use Stuff like **CTRL + C** this will crash Putty

### Expert Use Stuff

<b>grep -rnw -e</b> "Searchword" *	Search in Current Directory
<b>scp -C</b> ssh-username@ssh-host:/path/to/file .	Download File over SSH from an Server
<b>wget</b> url	Download File over http/https
<b>alias</b> new-commandname="Command"	Create an Alias for the Current Session
<b>clear</b>	Clears the Terminal
<b>history</b>	Shows the History of Commands

**Important** If you want an Alias working every time you logging in you need to add it in the **.bashrc** file

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