

### Directory / Files

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

### Backups

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

### VI / VIM Editor

<b>vim</b> Filename	<i>create/edit File</i>
<b>vi</b> Filename	<i>create/edit File</i>

#### In Editor Command Mode

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

#### In Editor Insert Mode

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

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

### Expert User Stuff

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

**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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