

Command	Description	Example
Help		
<code>man cmd</code>	shows manual page of a command	<code>man wget</code>
<code>info cmd</code>	more detailed information	<code>info wget</code>
<code>cmd -h/-help/--help</code>	shows help message (not always works!)	<code>wget -h</code>
Folders		
<code>/</code>	root	<code>/home/alex/notes.txt</code>
<code>~</code>	home	<code>~/notes.txt</code>
<code>..</code>	upper folder	<code>../notes.tx</code>
<code>.</code>	current folder	<code>./program/one/file</code>
Navigation		
<code>pwd</code>	shows current path	
<code>cd [folder]</code>	changes directory	<code>cd /home/alex/</code>
<code>ls [-l] [-h]</code>	lists file in the current directory	
<code>mkdir folder</code>	creates folder	<code>mkdir /home/alex/newdir</code>
<code>rmdir folder</code>	removes folder	<code>rmdir /home/alex/newdir</code>
<code>cp source(s) target</code>	copies file(s)	<code>cp notes.txt /home/alex/newdir</code>
<code>cp -R source target</code>	copies recursively directories	<code>cp -R newdir newdir2</code>
<code>mv source(s) target</code>	moves files (s)	<code>mv notes.txt ~/newdir</code>
<code>rm file(s)</code>	deletes files(s) (no recycling bin!)	<code>rm ~/newdir/notes.tx</code>
<code>rm -R folder(s)</code>	deletes folders and their content	<code>rm -R /home/alex/newdir/</code>
Document Viewers		
<code>cat file</code>	shows content (no pause)	
<code>less file</code>	shows content (page by page)	
<code>tail/head</code>	show the beginning or end of a file	
<code>gv file.ps</code>	displays PostScript files (.ps, .eps)	
<code>xpdf</code>	displays PDF files	
<code>display file</code>	multi-format image viewer (.jpg, .png etc.)	
Filesystems		
<code>du [objects] [-h]</code>	shows space used by object	
<code>df [-h]</code>	shows used and free space of hard drives	
<code>quota -v</code>	quota used and allowed for current user	
<code>mount device</code>	mounts a device to a standard path	<code>mount /dev/sda1</code>
<code>umount device</code>	unmount a dvice	<code>umount /dev/sda1</code>
<code>chmod [opts] file</code>	change access permissions. Options: a=all, g=group, u=user r=read, w=write, x=execute	<code>chmod a+r notes.txt chmod go-rwx notes.txt chmod -R a+rx www/</code>
Printing		

a2ps -o out.ps original	convert any file to PostScript	a2ps -B -R --columns=1 -o notes.ps notes.txt
enscript	convert text files to PostScript	enscript -o file.ps ascii
pdf2ps	convert PDF to PostScript	pdf2ps original.pdf original.ps
psnup -n <i>filein</i> <i>fileout</i>	print n pages on one	psnup -2 orig.ps new.ps
lpr -P <i>printer file</i>	sends a file to the printer	lpr -Pfr5098 filename.ps
lpq -Pfr5098	shows printer queue status	lpq -P <i>printer</i>
lprm <i>jobID</i>	removes a job from the queue	
Editors		
emacs	powerful editor with steep learning curve - Ctrl-x, Ctrl-f to open file - Ctrl-x, Ctrl-x to save as - Ctrl-h for help - Ctrl-h, t for tutorial - Ctrl-x, Ctrl-c to end emacs - F10 for menu	
vim	simpler but still useful editor	
pico	easy to use and fast	
Archives		
tar -czvf <i>file.tgz</i> <i>file(s)</i>	compress files with gzip	tar -czvf photos.tgz *.jpg
tar -xzvf <i>file.tgz</i>	uncompress gzipped file	tar -xzvf photos.tgz
unzip <i>file.zip</i>	uncompress zipped file	unzip photos.zip
Process control		
ps -aux	lists processes running on a machine	
top	displays all tasks in a tabular form	
kill <i>processID</i>	terminate a running process	
kill -KILL <i>processID</i>	immediately stop a (possibly not responding) process	
Redirect and pipes		
<i>cmd</i> > <i>file</i>	prints the output of command to a file	ls > file
<i>cmd</i> >> <i>file</i>	appends the output of command to a file	cat file1 >> file2
<i>cmd</i> < <i>file</i>	reads an input from a file	
<i>cmd1</i> <i>cmd2</i>	process the output of cmd1 by cmd2	pdf2ps myfile.pdf - psnup -2 lpr -Pfr2065
Networking		
pine	easy text-mode email client	
links	text-mode web browser	
wget	downloads files from the Internet (also in batch)	
ssh <i>host</i>	connects to a remote server	

scp *source target*

copies files between computers