Introduction to Linux a2.pluto.it ¹

based on "Linux - codice e comandi essenziali" Scott Granneman

	List directory contents	
ls	basic listing	
ls *.dat	filtering the listing	
ls -R	recursive listing	
ls -1	one column listing	
ls -m	listing separated by commas	
ls -a	listing including hidden objects	
ls -F	listing with special characters	
* executable		
/ dire	ectory	
@ syn	abolic link	
FIF	O	
= soc	ket	
lscolor	colored listing	
ls -l	long (ownership/authorizations) listing	
ls -r	inverted listing	
ls -X	listing by extensions	
ls -t	listing by time and date	
ls -S	listing by dimension	
ls -h	listing with human readable dimensions	
ls more	listing one page at the time	
	Working with files and directories	
pwd	to print working directory	
cd	to change directory	
cd	moves to the directory /	
	moves to one's home directory	
cd -	moves to the preceding directory	
cd	moves to the preceding directory	
mkdir	to create a new directory	
mkdir -v	to create a new directory in verbose mode	
mkdir -p	to create a new directory with its subdirectory	
touch	to create a new file	
touch -t	to create a new file with a specific date	
ср	to copy a file or a directory	
cp*	special copy	
cp - v	copy in verbose mode	
cp-i	copy in interactive mode	
cp - R	copy a directory	
cp - a	archiving, equivalent to $-dpR$	
mv	to move or rename files or directories	
rm	to remove files or directories	
rm*	special remove	
rm - v	remove in verbose mode	
rm-i	remove in interactive mode	
rm - Rf	remove directories	
Wild cards		
*	can represent anything	
example	file.* file* *file*	
?	can replace one character	
example	file1?.a file?.a	
[]	can identify a category	
example	file[1-2].a file1[2-3].a	
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The comand man	Printing processes
man command to enter the comand manual	lpstat to print cups status information
f to move forward	-p list all the printers
b to go backwards	-d list default printer
	-s list printers's connection type
/pattern to look for a pattern	-t list all printers's informations
n next result	lpr to print files
N previous result	-P to use any printer
man -k to look for a command	-# to print more copies
man -f to quickly know a command function	lpq to list printing queues
	11 1 01
man [1-8] to read a specific manual	Archiving and compressing
1 general commands	
2 kernel system calls	gzip to compress file(s)/directory(ies) in one qzip file
3 library functions	-r recursive compression
4 special files	-[0-9] compression level
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5 configurations files	gunzip to extract *.gzip files
6 games	tar to compress file(s)/directory(ies) in one tar file
7 various files	-cf to archive file(s)
8 administrative commands	-zcvf to compress file(s)/directory(ies) (also gzip)
The command info	-zvtf to test a compressed file (also gzip)
info similar to the command man	-zxvf to extract a file
PagUp previous page	e.g.: tar -cf file gzip -c > file.tar.gz
PagDown next page	Easily finding informations
b first page	locate to search a file
e last page	-i to ignore case
	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
	-n to show only the first n results
p previous level	updatedb to update the database
] next sub level	grep to find a pattern
[previous sub level	e.g.: grep pattern path
u up a level	',' to search for more words
d home directory	
,	-R to search in several directories
m menu	-i to ignore case
i to search in the titles	-w to search a word and not a pattern
s to search	-n to also show the line number of the resuts
? to ask for help	-A to show lines after the pattern
	-B to show lines before the pattern
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General commands	-C to show lines before and after the pattern
whereis to find a command path	-v to search the lines without the pattern
whatis similar to man -f	-1 to list the files where the pattern was found
apropos similar to man -k	TIP: wild cards apply to grep
which to know which command is used	Command find
Building blocks	e.g.: find path pattern
a; b to execute several comands	-name to find a file by its name
a && b to execute several commands only if the preceding succeeded	-user to find a file by its owner
a b to execute several commands only if the preceding failed	-group to find a file by its group
a b to use a command's output as input for the following	
a > b to redirect the output to a file	-type to find a file by its type (f,d,l,b,c,p,s)
a >> b to append output to a file	-a to show results only if everything is true
\$(a) to use a command's output	-o to show results even if only one is true
a < b to use a file as input for a command	-n to show results only if none is true
Visualizing a file	-exec to execute a command on all results
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cat to visualize a file in stdout	•
cat file1 file2 > file3 concatenate 2 files in a third	The shell
cat -n file1 file2 concatenate with line numbers	history to list lasts commands
less to visualize a file one page at the time	!! to execute last command
/pattern to search a pattern	![##] to execute command ##
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n next result	string to execute last command corresponding to string
N previous result	alias to list all aliases
v edit	alias aliasnm to show aliasnm
head to visualize the first 10 lines of a file(s)	alias aliasnm='command' to create a temporary alias
head -n to visualize the first n lines of a file(s)	TIP: to make an alias permanent add it to .bash.aliases
* /	*
tail opposite of head	unalias to remove an alias
	In file link to make links between files

The comand man

Printing processes