Directory Operations

pwd	Show current directory
mkdir *<dir>*	Make directory *<dir>*
cd *<dir>*	Change directory to *<dir>*
cd ..	Go up one directory
ls	List files

File operations

cat *<file>*	print the contents of *<file>*
cat *<file1>* *<file2>*	concatenate *<file1>* and *<file2>* and print the result
less *<file>*	view and paginate *<file>*
cp *<file1>* *<file2>*	copy *<file1>* to *<file2>*
mv *<file1>* *<file2>*	move *<file1>* to *<file2>*
rm *<file>*	delete *<file>*
head *<file>*	show the first 10 lines of *<file>*
tail *<file>*	show the last 10 lines of *<file>*
nano *<file>*	edit the contents of *<file>*

Bash shortcuts

CTRL-c	Stop current command
CTRL-a	Go to start of line
CTRL-e	Go to end of line
CTRL-r	Search history
TAB	Auto-complete current command or filename
TAB TAB	Show possible completion options
⇪	**Use TAB completion as much as possible, it both makes typing faster and prevents typing errors!**

Important tip

Most commands which perform an operation (cp, mv, rm, touch...) do not print any output when they are successful. If they do, *probably there is an error*.

In any case, **always check the output** of your commands carefully, to be sure that no error occurred.

Nano Shortcuts

Saving files	
Ctrl-O	Save file (confirm with Y)
Ctrl-X	Close file (confirm saving with Y)
Cut and paste	
ALT-A	Start marking text
CTRL-K	Cut marked text or line
CTRL-U	Paste text
Navigate file	
CTRL-A	Beginning of line
CTRL-E	End of line
CTRL-C	Show line number
CTRL-_	Go to line number
Search	
CTRL-W	Find text
ALT-W	Find next occurrence

Network management

ifconfig	Display current network configuration
ifconfig *<iface>* up	activate interface *<iface>*
ifconfig *<iface>* down	deactivate interface *<iface>*
ifconfig *<iface>* *<ip>* netmask *<mask>*	configure interface *<iface>* with given *<ip>* and *<mask>*
ping *<ip>*	check if *<ip>* is reachable

IO Redirection

command < file	Input of *command* from *file*
command > file	Output of *command* to *file*
command > /dev/null	Discard output of *command*
command >> file	Append output of *command* to *file*