Cheatography

Linux command line Cheat Sheet by alessandro.grassi via cheatography.com/31567/cs/9591/

Directory Operations	
pwd	Show current directory
mkdir < <i>dir</i> >	Make directory <i><dir></dir></i>
cd < <i>dir</i> >	Change directory to < dir>
cd	Go up one directory
ls	List files

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

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 < <i>iface</i> > up	activate interface <iface></iface>
ifconfig < <i>iface</i> > down	deactivate interface <iface></iface>
ifconfig < <i>iface</i> > < <i>i</i> p> netmask < <i>mask</i> >	configure interface <i><iface></iface></i> with given <i><ip></ip></i> and <i><mask></mask></i>
ping < <i>ip</i> >	check if < <i>ip</i> > is reachable

IO Redirection	
command < file	Input of command from file
command > file	Output of command to file
<i>command</i> > /dev/null	Discard output of command
command >> file	Append output of command to file

Important tip

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Bash shortcuts

Stop current command

Go to start of line

Go to end of line

TAB TAB Show possible completion options

Search history

CTRL-c

CTRL-a

CTRL-e

CTRL-r

TAB

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*.

Auto-complete current command or filename

typing faster and prevents typing errors!

Use TAB completion as much as possible, it both makes

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

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