



I106B

5. nano

[HTTPS://DOC.UBUNTU-FR.ORG/NANO](https://doc.ubuntu-fr.org/nano)

Editeur de texte en mode terminal

2

- ▶ Beaucoup d'aspects de Linux sont gérés par des fichiers textes (cf. la philosophie Linux).

ex : /etc/fstab gère le montage du système de fichiers

```
donatien@albert:/var$ cat /etc/fstab
# /etc/fstab: static file system information.
#
# Use 'blkid' to print the universally unique identifier for a
# device; this may be used with UUID= as a more robust way to name devices
# that works even if disks are added and removed. See fstab(5).
#
# <file system> <mount point>   <type>  <options>          <dump>  <pass>
# / was on /dev/sda1 during installation
UUID=8dd7cd0c-9dff-4749-9392-897fd2ddf06d /
# swap was on /dev/sda5 during installation
UUID=42510d5a-11bb-44eb-ac3f-b245af0e5d98 none
/dev/sr0          /media/cdrom0    udf,iso9660 user,noauto      0         0
```

Editeur de texte

- ▶ Il faut un éditeur de texte pour modifier ces configurations.
- ▶ Un éditeur qu'on trouve sur toutes les distributions Linux
- ▶ Historiquement : vi
- ▶ Version moderne : vim

gg
first
line

^b
up 1
page

^u
up 1/2
page

k
up 1
line

:h <i>cmd</i>	Normal mode <i>cmd</i> help
:h <i>i_cmd</i>	Insert mode <i>cmd</i> help
:h <i>v_cmd</i>	Visual mode <i>cmd</i> help
:h <i>c_cmd</i>	Command-line editing <i>cmd</i> help
:h <i>:cmd</i>	Command-line <i>cmd</i> help
:h <i>'option'</i>	<i>Option</i> help
:helpgrep	Search through all help docs!

	^m	\r	Enter
<Tab>	^i	\t	Tab
<C- <i>n</i> >	^n		Ctrl- <i>n</i>
<M- <i>n</i> >			Alt- <i>n</i>
<Esc>	^[Escape
<BS>	^h	\b	Backspace
			Delete

h left-right-motions

next character	l	end of word	e	beginning of next word	w	end of word	E	beginning of next line	W	end of line	\$
----------------	---	-------------	---	------------------------	---	-------------	---	------------------------	---	-------------	----

j
down
1 line

^d
down
½ page

^f
down
1 page

G
last line

P	paste after cursor	P	paste before cursor	^ [return to normal mode
u	undo	^r	redo	.	repeat
gf <small>(vim 7.4.2004)</small>	find file under cursor in path and jump to it	dd	delete current line	yy	yank current line
x	delete character after cursor	%	jump to matching paren	r	replace char under cursor
nG	jump to line n	^o	jump back	^i	jump forward
zz	center screen on cursor	zt	align top of screen with cursor	zb	align bottom of screen with cursor
=	auto-indent current line	<<	shift current line left by shiftwidth	>>	shift current line right by shiftwidth

beginning of line	I	before cursor	i	after cursor	a	end of line	A
previous line	O	next line	o	substitute character	S	substitute line	S
						line from cursor	C

<p>The most basic type. Use the <code>Visual mode</code> to select characters within a line.</p> <p>V</p>	<p>Useful for moving chunks of a program around the file. Use <code>Visual line mode</code> to select one or more lines.</p> <p>V</p>	<p>Great for working with tables made of text, or anything that happens to be conveniently aligned. <code>Visual block mode</code> can be used to select boxes across lines.</p> <p>^V</p>
--	--	---

ZZ Write current file, if modified, and quit

:write	Write current file
:wq	Write current file and quit
Use :scriptnames to list all files sourced during initialization.	
:syntax	Enable and configure syntax highlighting Use :sy sync fromstart to redraw bright highlighting.
:make	Run a compiler and enter quickfix mode
! Execute external shell command	! Filter motion with shell command
Use :earlier and :later to quickly jump backward and forward in a file's history.	
:read	Read external program output into current file

7 words
http://www.vimcheatsheet.com
1 WORD

	option
<code>:set <i>opt?</i></code>	View current value of <i>opt</i>
<code>:set <i>noopt</i></code>	Turn off flag <i>opt</i>
<code>:set <i>opt</i></code>	Turn on flag <i>opt</i>
<code>:set <i>opt=val</i></code>	Overwrite value of <i>opt</i>
<code>:set <i>opt+=val</i></code>	Append to value of <i>opt</i>
<code>:echo <i>&opt</i></code>	Access <i>opt</i> as a variable

:ls	
:b <i>path</i>	Jump to unique file matching <i>path</i> . Use <Tab> to scroll through available completions!
:bn	Jump to file <i>n</i> , number from first column of :ls
:bnext	Jump to next file
:bprev	Jump to previous file
:bdelete	Remove file from the buffer list
:edit	Open a file for editing
:enew	Open a blank new file for editing

:split	Split current window horizontally
:vsplit	Split current window vertically
^w hjkl	Move cursor to window left, below, above or to the right of the current window
^w HJKL	Move current window to left, bottom, top, or right of screen
^w r	Rotate windows clockwise
^w +-<>	Increase/decrease current window height/width
^w T	Move current window to a new tab
:only	Close all windows except current window
:bufdo	Execute a command in each open file

<code>hidden</code>	<code>hid</code>	Lets you switch buffers without saving
<code>laststatus</code>	<code>ls</code>	Show status line never (0), always (2) or with 2+ windows (1)
<code>hlsearch</code>	<code>hls</code>	Highlight search matches. Also see 'highlight'
<code>number</code>	<code>nu</code>	Show line numbers
<code>showcmd</code>	<code>sc</code>	Show commands as you type them
<code>ruler</code>	<code>ru</code>	Show line and column number of the cursor
<code>backspace</code>	<code>bs</code>	Set to "2" to make backspace work like sane editors
<code>wrap</code>		Control line wrapping
<code>background</code>	<code>bg</code>	Set to 'dark' if you have a dark color scheme

REGISTERS are CLIPBOARDS

All commands that delete, copy, or paste text use registers. To change which register is used by a command, type the register before the command. The default register is called "the unnamed register", and it is invoked with a pair of double-quotes (`" "`). `"yy` or `yy` is the same as typing `"dd` or `yy`. Think of the first `"` as a short way of saying "register", so `"dd` is pronounced "register dd", and `dd`, "register `dd`".

Command	Description
<code>:registers</code>	View all current registers
<code>:echo @r</code>	Access register <code>r</code> as a variable
<code>" /</code>	Last search pattern register
<code>" _</code>	The black hole register
<code>" 0</code>	Last yank register
<code>" 1</code>	Last big delete register
<code>" 2 - 9</code>	Big delete register stack
<code>" _</code>	Small delete register
<code>" +</code>	System clipboard
<code>" a - z</code>	Named registers
<code>" A - Z</code>	Append registers
<code>q r</code>	Record
<code>@ r</code>	Playback
<code>@ @</code>	Repeat last playback

Repeat the last `@ r`, this is particularly useful with a count.

Use `u` instead of `U` when beginning text-object motions to include delimiters or surrounding whitespace. For example, `d1f` will change `"(foo)"` into `"()`, but `da1f` will delete the parentheses as well.

Use `map` to view all current custom key mappings. Read `h map-which-keys` for a guide on which keys are best for your own custom mappings. Get used to Vim's help system - it's a fantastic resource!

Editeur de texte compréhensible par un humain normalement constitué : **nano**

```
GNU nano 2.2.6      Fichier : /etc/fstab

# /etc/fstab: static file system information.
#
# Use 'blkid' to print the universally unique identifier for a
# device; this may be used with UUID= as a more robust way to name devices
# that works even if disks are added and removed. See fstab(5).
#
# <file system> <mount point>   <type>  <options>          <dump>  <pass>
# / was on /dev/sda1 during installation
UUID=8dd7cd0c-9dff-4749-9392-897fd2ddf06d /          ext4      errors=remount-ro 0      1
# swap was on /dev/sda5 during installation
UUID=42510d5a-11bb-44eb-ac3f-b245af0e5d98 none        swap      sw          0      0
/dev/sr0      /media/cdrom0   udf,iso9660 user,noauto   0      0

^G Aide      ^O Écrire    ^R Lire fich.^Y Page préc.^K Couper     ^C Pos. cur.
^X Quitter   ^J Justifier ^W Chercher  ^V Page suiv.^U Coller    ^T Orthograp.
```


Raccourcis

6

Les principaux raccourcis de nano sont affichés au bas de l'écran :

```
[ Lecture de 7 lignes ]
^G Aide      ^O Écrire    ^W Chercher  ^K Couper    ^J Justifier
^X Quitter   ^R Lire fich^\\ Remplacer ^U Coller    ^T Analyse st
```

- ▶ **Ctrl-K** → coupe toute la ligne courante
- ▶ Pour couper une sélection quelconque de texte, placer une marque sur le curseur avec **Alt-A**, puis déplacer le curseur pour sélectionner du texte. Ctrl-K permet alors de couper cette sélection
- ▶ **Ctrl-U** → colle une sélection

Numéro de ligne

7

- ▶ Par défaut, nano affiche le nombre de lignes du fichier

```
[ Lecture de 7 lignes ]
^G Aide      ^O Écrire    ^W Chercher  ^N Couper    ^J Justifier
^X Quitter    ^R Lire fich ^\ Remplacer ^U Coller    ^T Analyse st
```

- ▶ Pour afficher le numéro des lignes, il faut ajouter l'option `-l` (voir fichier `/106B_Linux_@_home`) :

```
nano -l .bashrc
```

```
GNU nano 2.7.4      Fichier : .bashrc
1 # ~/.bashrc: executed by bash(1) for non-login shells.
2 # see /usr/share/doc/bash/examples/startup-files (in the package bash-doc)
3 # for examples
4
```

Autres commandes utiles

8

- ▶ **cat *fichier*** : affiche le contenu de *fichier*
- ▶ **more *fichier*** : affiche le contenu de *fichier*, écran par écran
- ▶ **less *fichier*** : identique à *more*, mais peut revenir en arrière et effectuer des recherches (comme dans le manuel *man*)