

1106B 5. nano

HTTPS://DOC.UBUNTU-FR.ORG/NANO

Editeur de texte en mode terminal

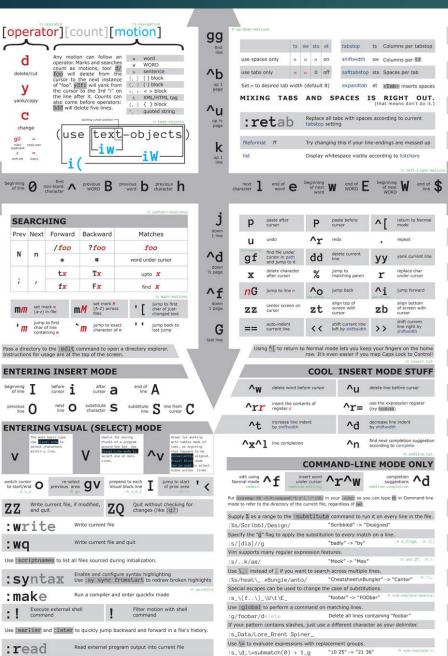
▶ Beaucoup d'aspects de Linux sont gérés par des fichiers textes (cf. la philosophie Linux).

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/sdal during installation
UUID=8dd7cd0c-9dff-4749-9392-897fd2ddf06d /
                                                                  errors=remount-ro 0
                                                          ext4
# swap was on /dev/sda5 during installation
UUID=42510d5a-11bb-44eb-ac3f-b245af0e5d98 none
                                                          swap
                                                                  SW
               /media/cdrom0 udf,iso9660 user,noauto
/dev/sr0
```

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



| :h <i>cmd</i> | Normal mode cmd help |
|------------------|--------------------------------------|
| :h i_ <i>cmd</i> | Insert mode <i>cmd</i> help |
| :h v_ <i>cmd</i> | Visual mode amd help |
| :h c_ <i>cmd</i> | Command-line editing <i>cmd</i> help |
| :h : <i>cmd</i> | Command-line cmd help |
| :h 'option' | Option help |
| :helpgrep | Search through all help docs! |

| \ _ | 71 400 |
|-----|---|
| | ATTITY |
| Λ1 | in tags-and-searches. |
| ^t. | including [tags] in help files Jump back up the tag-list |
| g^] | Jump to tag if it's the only match; else list matching tags |

| | | | :h keycode |
|--------------|----|----|------------|
| <cr></cr> | ^m | \r | Enter |
| «Tab» | ^i | \t | Tab |
| <c-n></c-n> | ^n | | Ctrl-n |
| <m-n></m-n> | | | Alt-n |
| <esc></esc> | ^[| | Escape |
| <bs></bs> | ^h | \b | Backspace |
| | | | Delete |
| | | | |

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

| :set opt? | View current value of opt |
|--------------------|---------------------------|
| :set no <i>opt</i> | Turn off flag opt |
| :set opt | Turn on flag opt |
| :set opt=val | Overwrite value of opt |
| :set opt+=val | Append to value of opt |
| :echo &opt | Access opt as a variable |

| | th buffers |
|--------------|---|
| :ls | List all open files |
| :b path | Jump to unique file matching path. Use Tab> to scroll through available completions! |
| : b <i>n</i> | Jump to file n, 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 |
| | :h windows |
| :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 |

Execute a command in each open file

:bufdo

| hidden | hid | Lets you switch buffers without saving |
|------------|-----|---|
| laststatus | Is | Show status line never (0), always (2) or with 2+ windows (1) |
| hisearch | hls | Highlight search matches. Also see 'highlight' |
| number | nu | Show line numbers |
| showcmd | sc | Show commands as you type them |
| ruler | ru | Show line and column number of the cursor |
| backspace | bs | Set to '2' to make backspace work like sane editors |
| wrap | | Control line wrapping |
| background | bg | 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 (""). Typing dd or yy is the same as typing ""dd or ""yy. Think of the first " as a short way

of saying "register", so "" is pronounced "register "", and "a, "register a".

of § when beginning textobject motions to include delimiters or surrounding whitespace. For example, d1(will change "(foo)" into "("," but da(will delete the parentheses as well.

Use a instead

Use smap to view all current custom key mappings. Read the mace-path on-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!

| Access register x as a variable " | :regis | sters | View all current registers |
|--|------------|------------------|--|
| The black hole register Contains the last pattern you searched for less than the last pattern you searched for register register (1.6d) when the last battern you searched for register (1.6d) when the last less than the las | :echo | @r | Access register <i>r</i> as a variable |
| " Last yank register Tegister ("_dd) " Last yank register Contains the last text you yanked register register Tegister Contains the last line(s) you deleted register stack pushed to "_2", then "_2" to "_3", and so on Contains the last line(s) you deleted register stack pushed to "_2", then "_2" to "_3", and so on Contains the last text you deleted within a single line in the last text you deleted within a single line in the last text you deleted within a single line in the last text you deleted within a single line in the last text you deleted within a single line in the last text you deleted within a single line in the last text you deleted within a pushed to "_2", then "_2" to "_3", and so on Contains the last text you vanked register state the last text you yanked register sequence "_3". | "/ | | Contains the last pattern you searched for |
| register Contains the last East you gareed register Contains the last line(s) you deleted register Contains the last line(s) you deleted Contains the last line(s) you deleted Contains the last line(s) you deleted Contains the last text you deleted within a single line Contains the last text you deleted within a single line Contains the last text you deleted within a single line Contains the last text you deleted within a single line Contains the last text you deleted within a single line Contains the last text you deleted within a single line Contains the last text you deleted within a single line Contains the last text you deleted within a single line Contains the last line(s) you deleted Contains the last line(s) Contains the last line(s) Contains the last line(| "_ | | |
| register "2 - "9 Big delete register stack " - Small delete register " + System clipboard " - System clipboard " + System clipboard " - TZ Named registers 26 registers for you to play with " A - " Z Append registers Contains the last text you deleted within a single line fif the OS integration gods smile upon you, this register reads and writes to your system clipboard. " A - " Z Append registers Using upper-case to refer to a register will append to it rather than overwrite it | "0 | | Contains the last text you yanked |
| "A - "Z Append registers pushed to "2, then "2 to "8, and so on on the first the last text you deleted within a single line single line single line with the solution and single line single line single line with the System clipboard. The Contains the last text you deleted within a single line with the single line with the System clipboard. The Contains the last text you deleted within a single line with a single line with the System clipboard. The Contains the last text you deleted within a single line with a single line | "1 | | Contains the last line(s) you deleted |
| register single line "+ System clipboard you, this register reads and writes to your system clipboard." "A - "Z Named registers 26 registers for you to play with "A - "Z Append registers Using upper-case to refer to a register will append to it rather than overwrite it | "2-"9 | | |
| "+ System clipboard you, this register reads and writes to your system clipboard. "a - " Z Named registers 26 registers for you to play with "A - " Z Append registers Using upper-case to refer to a register will append to it rather than overwrite it | "- | | Contains the last text you deleted within a single line |
| "A - "Z Append registers Using upper-case to refer to a register will append to it rather than overwrite it | "+ | System clipboard | you, this register reads and writes to your |
| A – Z Append registers append to it rather than overwrite it | "a-"z | Named registers | 26 registers for you to play with |
| Record into register * Stop recording by | "A-"Z | Append registers | |
| Record hitting a again | q r | Record | Record into register ${m r}$. Stop recording by hitting ${m q}$ again |
| Playback Execute the contents of register r | @ r | Playback | Execute the contents of register ** |
| Repeat last playback Repeat the last @r, this is particularly useful with a count | @@ | | useful with a count |

Alleman Annual A

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/sdal during installation
UUID=8dd7cd0c-9dff-4749-9392-897fd2ddf06d /
                                                           ext4
                                                                   errors=remount-ro 0
# swap was on /dev/sda5 during installation
UUID=42510d5a-11bb-44eb-ac3f-b245af0e5d98 none
                                                           swap
                                                                   SW
                /media/cdrom0
                                udf,iso9660 user,noauto
                                                                     0
/dev/sr0
                                     Lire fich.
                                                                     ^K Couper
                                                                                         Pos. cur.
  Aide
                    Écrire
                                                      Page préc.
                                     Chercher
                                                       Page suiv.
                                                                        Coller
   Ouitter
                                                                                         Orthograp.
```

Raccourcis

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

- ► 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

Par défaut, nano affiche le nombre de lignes du fichier

▶ Pour afficher le numéro des lignes, il faut ajouter l'option - I (voir fichier 1106B_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 pa$
3 # for examples
4
```

Autres commandes utiles

- **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)