Nu	Modern keybinding for Emac

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This manual is for Nu (version 0.1 of 2014-07-15), a modern keybinding for Emacs. Copyright © 2014 Pierre-Yves Luyten.

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## 1 Overview

"Nu " is a modern keybinding for Emacs.

nu-mode is a global minor mode, its keymap, and the commands which are not provided in raw Emacs.

Modern, means respecting conventions like

- 1. Control-f to find
- 2. Control-r to replace
- 3. Control-s to save
- 4. Control-x, Control-c, Control-v to cut, copy, paste.

To allow user to leverage large panel of functions, nu-mode relies on prompts. For example, Control-f raises a prompt precising which key - actually, which sequence - to press in order to execute desired function : once Control-f has been pressed and the "Find-prompt" appears, pressing f will start a regexp search, while g will execute goto-line, or s will move point to previous selection.

nu-emacs does not only provides nu-mode. There are also two independant parts

- 1. nu-alias is a simple mechanism to define aliases into org-mode file(s). This way its easier to maintain aliases to be invoked from Mx. See its REAME.
- 2. dhammacakka is a light set of customization. See its README.

### 1.1 Dependencies

Nu depends on several libraries, both native or external ones:

- 1. help-fns+
- 2. undo-tree
- 3. ace-jump
- 4. recentf
- 5. cua-selection-mode

## 1.2 Help

Use Control-q to quit a sequence or a command in progress. Use Alt+z to undo last command.

Prompts are usually triggered using a *Control* modifier and advertise an alternative *Alt* operating using the same key. Inverse is sometimes true: since *Control+s* invoking a prompt would be irritating, this sequence directly saves buffer, while *Alt+s* runs the "save prompt".

## 2 NU for the power user

If you are not used to Emacs, reading this chapter is not necessary. But Emacs veteran should probably start here. emacs-nu redefines many keys, however two points make learning curve shorter

- 1. For any user, knowing CUA keybinds will make emacs-nu discoverable.
- 2. For veteran Emacs user, two important sequences remain:

M-x is still there. This means, you can probably obtain what you want. Also, Control+h for help-prefix is still there.

Now, three things should probably be kept in mind while trying nu-mode

- 1. To repeat a command, use Alt+Space.
- 2. To trigger a major mode sequence, start with Control+Space. This will invoke vanilla emacs Control+c. For example, into org-mode, use Control+Space Control+n to navigate to next node. If you already defined you own keys starting with Control+c, do not amend this definition.

(define-key mykeymap kbd("\C-c h") myfunction)

To invoke above myfunction example, press Control-SPC h.

3. You should not rely on *Control+x*, or at least no regularly. However to trigger x prefix, use *Control+Alt+Space*.

## 3 View and Edit

### 3.1 Navigate

While arrows still work, Nu uses Alt key to navigate. Hence, the thumb often presses Alt key, while pinky finger remains safe. Navigate up left right down using Alt and:

I JKL

Additionally, use Alt u and Alt o to move to previous, next word.

UIO

JKL

Use Alt+\$ to go to end of line.

To reach a line, beginning of buffer, end of buffer, use Control+f then the appropriate key. Just read the prompt.

### 3.2 Selections and Deletions

Several alternatives offer to delete (cut) text.

- 1. Use Control-x to cut the current line.
  - 2. Use Control + j,l to delete backward, forward char.
  - 3. Use Control + u to delete previous word.
  - 4. Use Control + \$ to delete up to end of line.
- 1. Use Alt+d to trigger a prompt. This will offer you to delete what you want.
- 2. Alternatively, first mark (select) text you want to select then use Control+x.

Several alternatives offer to select text

- 1. The paddle allow to directly select ("mark") text: keep shift pressed, then move. While other ways are possible, using Alt-Shift-U, for example, will select previous word (or extend current selection to previous word).
- 2. An alternative in order to select text is to press Alt+a to set a mark, then move to extend selection.
- 3. An alternative is to press Control+a to invoke "a-" prompt, allowing to select "a-" word, "a-" sentence, and so on, or to set the mark.
- 4. To start a rectangular selection, use Control+Return.

## 3.3 Cut Copy Paste

When no selection is active, use Control + x to cut current line, or a deletion command since deletions actually cut text.

Use Control + c to copy currrent line, or, while a selection is active, copy this selection.

Use Control + v to paste the current clipboard. Following Control + v will replace this paste with last clipboard item. However, if you need to paste several times, you can use Alt + v to invoke and advanced "Paste" prompt.

### 3.4 Undo or Redo

Use Alt+z to undo. Or, use Control+z to invoke undo-tree visualizer to play with discard changes in an advanced way.

## 3.5 Advanced Edition

Most avdanced editon features rely on Control-r, which will invoke replace prompt, allowing you to replace-regexp, merge-lines, delete spaces, or invoke other functions.

- 1. Alt+y will copy to current line char under point (on the below line).
- 2. Alt+e will copy to current line char above point (on the above line).

Control+g global prompt will also propose goal-column feature.

## 4 Files Buffers Windows

Use Control + s to save current file, Alt + s to invoke a prompt to rename it. Control+g "global" prompt will allow you to manipulate frames.

- $^2$  will invoke buffers list. $\hat{\mathtt{A}}$
- 1. Use Control+o to open a file, a window, a buffer, or use bookmarks,...
- 2. Use Control+w to close this frame. Or Alt+w to make this frame the only visible one.
- 3. Use Control+n to open a sracth buffer (blank untitled buffer).
- 4. Use Control+t to open another tab.

## 5 NU & other libraries

How does NU integrate with other libraries?

### 5.1 evil-mode

While nu-mode is not a modal editor, and aims at being the most efficient keymap, sometimes using lot of modifiers might still be harassing. Using vim keymap is feasible: you can activate evil-mode, then switch from evil-state to emacs-state as you want.

Even while in evil-state, you will enjoy a few nu-mode keys, like Alt+v, Alt+f, and probably many others. However vim paddle (hjkl for left down up right) and nu-mode paddle (ijkl for up left down right) disagree on three of these four keys! If you want to have evil with nu-mode paddle, I recommend you to make vim paddle similar to nu-mode. Since i will not be available anymore to insert, use h for this purpose. Simply put below lines on your .emacs:

```
(define-key evil-normal-state-map (kbd "h") 'evil-insert)
(define-key evil-normal-state-map (kbd "j") 'evil-backward-char)
(define-key evil-normal-state-map (kbd "i") 'evil-previous-line)
(define-key evil-normal-state-map (kbd "k") 'evil-next-line)
```

Obviously this only fixes the basic paddle. Backward and Foward word are different, but fixing the paddle is fine.

### 5.2 magit

Use Alt+s, ie save-prompt, to gain access to magit-status.

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