

# Config

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# 1 Compilation

```
;; brew tap railwaycat/emacsmacport
;; brew install emacs-mac --with-mac-metal --with-natural-title-bar
↩ --with-native-compilation --with-xwidget
```

## 2 Basic

### 2.1 ID

```
(setq user-full-name "Leo Aparisi de Lannoy"  
      user-mail-address "leoaparisi@gmail.com")
```

### 2.2 Async

```
(setq dired-async-mode 1)
```

### 2.3 Good defaults

```
(setq-default  
  delete-by-moving-to-trash t ; Delete files to trash  
  window-combination-resize t ; take new window space from  
    ↳ all other windows (not just current)  
  (add-to-list 'default-frame-alist '(fullscreen . maximized))  
  (setq evil-want-fine-undo t ; By default while in insert  
    ↳ all changes are one big blob. Be more granular  
    auto-save-default t) ; Nobody likes to loose work,  
    ↳ I certainly don't
```

#### 2.3.1 Browser

```
(setq browse-url-chrome-program "brave")
```

### 2.4 Visual

#### 2.4.1 Font

```
(setq doom-font (font-spec :family "Iosevka" :size 14)  
  doom-variable-pitch-font (font-spec :family "Lato")  
  doom-unicode-font (font-spec :family "Iosevka")  
  doom-big-font (font-spec :family "Iosevka" :size 24)  
  doom-serif-font (font-spec :family "Iosevka Aile" :weight 'light))
```

#### 2.4.2 Theme

1. Default theme

```
(setq doom-theme 'doom-nord)
;; (load-theme 'catppuccin t t)
;; (setq catppuccin-flavor 'mocha) ;; or 'latte, 'macchiato, or 'mocha
```

### 2.4.3 Default visual

### 2.4.4 Starting image

```
;; (setq fancy-splash-image (expand-file-name "themes/doom-emacs-bw-light.svg"
↪ doom-user-dir))
```

## 2.5 File Templates

```
(set-file-template! "\\\\.tex$" :trigger "__" :mode 'latex-mode)
(set-file-template! "\\\\.org$" :trigger "__" :mode 'org-mode)
```

## 2.6 Editor config

```
(setq display-line-numbers-type `relative)
(setq-default tab-width 4)
```

# 3 Org-Mode

## 3.1 Defaults

```
(setq org-directory "~/org/"
      org-agenda-files (list org-directory)           ; Seems like the
↪ obvious place.
      org-use-property-inheritance t                 ; It's convenient
↪ to have properties inherited.
      org-log-done 'time                             ; Having the time a
↪ item is done sounds convenient.
      org-list-allow-alphabetical t                  ; Have a. A. a) A)
↪ list bullets.
      org-catch-invisible-edits 'smart                ; Try not to
↪ accidentally do weird stuff in invisible regions.
      org-export-with-sub-superscripts '{}           ; Don't treat lone
↪ _ / ^ as sub/superscripts, require _{} / ^{}).
```

```
org-export-allow-bind-keywords t ; Bind keywords can
↳ be handy
org-image-actual-width '(0.9) ; Make the
↳ in-buffer display closer to the exported result..#+end_src
```

## 3.2 Babel

```
(setq org-babel-default-header-args
  '(:session . "none")
    (:results . "replace")
    (:exports . "code")
    (:cache . "no")
    (:noweb . "no")
    (:hlines . "no")
    (:tangle . "no")
    (:comments . "link")))
```

### 3.2.1 Completion

```
(package! org-block-capf :recipe (:host github :repo "xenodium/org-block-capf"))
```

```
(use-package! org-block-capf
  :after org
  :hook (org-mode . org-block-capf-add-to-completion-at-point-functions))
```

## 3.3 Agenda

```
(setq org-agenda-skip-scheduled-if-done nil
      org-agenda-skip-deadline-if-done nil
      org-agenda-tags-column 0
      org-agenda-block-separator ?
      org-agenda-time-grid
      '((daily today require-timed)
        (800 1000 1200 1400 1600 1800 2000)
        " " " " " ")
      org-agenda-current-time-string
      " now")
```

### 3.4.1 Org-modern

```
(use-package! org-modern
:after org
:hook (org-mode . org-modern-mode)
:config
(setq org-modern-star '(" " " " " " " " " " " " " " " " " "))
      org-modern-table-vertical 1
      org-modern-table-horizontal 0.2
      org-modern-list '((43 . " ")
                        (45 . "-")
                        (42 . ".•"))

org-modern-todo-faces
'(("TODO" :inverse-video t :inherit org-todo)
  ("PROJ" :inverse-video t :inherit +org-todo-project)
  ("STRT" :inverse-video t :inherit +org-todo-active)
  ("[-]" :inverse-video t :inherit +org-todo-active)
  ("HOLD" :inverse-video t :inherit +org-todo-onhold)
  ("WAIT" :inverse-video t :inherit +org-todo-onhold)
  ("[?]" :inverse-video t :inherit +org-todo-onhold)
  ("KILL" :inverse-video t :inherit +org-todo-cancel)
  ("NO"   :inverse-video t :inherit +org-todo-cancel))

org-modern-footnote
(cons nil (cadr org-script-display))

org-modern-block-fringe nil

org-modern-block-name
'(t . t)
  ("src" "»" "«")
  ("example" ">" "<")
  ("quote" " " " ")
  ("export" " " " "))

org-modern-progress nil
org-modern-priority nil
org-modern-horizontal-rule (make-string 36 ? )
org-modern-keyword
```

```

'((t . t)
  ("title" . " ")
  ("subtitle" . " ")
  ("author" . " ")
  ("email" . #(" " 0 1 (display (raise -0.14))))
  ("date" . " ")
  ("property" . " ")
  ("options" . " ")
  ("startup" . " ")
  ("macro" . " ")
  ("bind" . #(" " 0 1 (display (raise -0.1))))
  ("bibliography" . " ")
  ("print_bibliography" . #(" " 0 1 (display (raise -0.1))))
  ("cite_export" . " ")
  ("print_glossary" . #(" " 0 1 (display (raise -0.1))))
  ("glossary_sources" . #(" " 0 1 (display (raise -0.14))))
  ("include" . " ")
  ("setupfile" . " ")
  ("html_head" . " ")
  ("html" . " ")
  ("latex_class" . " ")
  ("latex_class_options" . #(" " 1 2 (display (raise -0.14))))
  ("latex_header" . " ")
  ("latex_header_extra" . " ")
  ("latex" . " ")
  ("beamer_theme" . " ")
  ("beamer_color_theme" . #(" " 1 2 (display (raise -0.12))))
  ("beamer_font_theme" . " ")
  ("beamer_header" . " ")
  ("beamer" . " ")
  ("attr_latex" . " ")
  ("attr_html" . " ")
  ("attr_org" . " ")
  ("call" . #(" " 0 1 (display (raise -0.15))))
  ("name" . " ")
  ("header" . ">")
  ("caption" . " ")
  ("results" . " ")))

(custom-set-faces! '(org-modern-statistics :inherit
↳ org-checkbox-statistics-todo)))

```



### 3.4.2 Org-Appear

```
(package! org-appear :recipe (:host github :repo "awth13/org-appear"))
```

```
(add-hook 'org-mode-hook #'org-appear-mode)
```

### 3.4.3 General

```
(setq org-src-fontify-natively t
      org-fontify-whole-heading-line t
      org-fontify-done-headline t
      org-fontify-quote-and-verse-blocks t
      org-startup-with-inline-images t
      org-startup-indented t
      ;; Org styling, hide markup etc.
      org-pretty-entities t
      )
```

```
(setq org-ellipsis "  "
      org-hide-leading-stars t
      org-priority-highest ?A
      org-priority-lowest ?E
      org-priority-faces
      '((?A . 'nerd-icons-red)
        (?B . 'nerd-icons-orange)
        (?C . 'nerd-icons-yellow)
        (?D . 'nerd-icons-green)
        (?E . 'nerd-icons-blue)))
```

```
(custom-set-faces!
 '(outline-1 :weight extra-bold :height 1.25)
 '(outline-2 :weight bold :height 1.15)
 '(outline-3 :weight bold :height 1.12)
 '(outline-4 :weight semi-bold :height 1.09)
 '(outline-5 :weight semi-bold :height 1.06)
 '(outline-6 :weight semi-bold :height 1.03)
 '(outline-8 :weight semi-bold)
 '(outline-9 :weight semi-bold))
```

```
(custom-set-faces!
 '(org-document-title :height 1.2))
```

### 3.4.4 Ligatures

### 3.4.5 Latex improvement

```
(setq org-highlight-latex-and-related '(native script entities))
```

```
(package! org-fragtog)
```

```
;; (add-hook 'org-mode-hook #'org-latex-preview-auto-mode)
(add-hook 'org-mode-hook #'org-fragtog-mode)
```

## 3.5 Bullets

```
(setq org-list-demote-modify-bullet '("(" . "-" ) ("-" . "+") ("*" . "+") ("1." .
↳ "a.")))
```

## 3.6 Agenda

### 3.6.1 Visual

```
(after! org-agenda
 (setq org-agenda-deadline-faces
  '((1.001 . error)
    (1.0 . org-warning)
    (0.5 . org-upcoming-deadline)
    (0.0 . org-upcoming-distant-deadline))))
```

## 3.7 Roam

### 3.7.1 Defaults

```
;; (use-package! org-roam
;;   :after org
;;   :config
;;   (setq
;;     org-enable-roam-support t
;;     org-roam-directory (concat org-directory "/Roam")
;;   )
```

```
;;                               org-roam-v2-ack t))
```

### 3.7.2 Daily

[illegible]

### 3.7.3 Visuals

## 1. UI and visualization

```
;; (package! org-roam-ui)
;; (package! websocket)
```

```
; ; (defadvice! doom-modeline--buffer-file-name-roam-aware-a (orig-fun)
; ;   :around #'doom-modeline-buffer-file-name ; takes no args
; ;   (if (s-contains-p org-roam-directory (or buffer-file-name ""))
; ;       (replace-regexp-in-string
; ;         "\\\(?:~\\\\|.*\\/\\\\)\\\\([0-9]\\\\{4\\\\}\\\\)\\\\([0-9]\\\\{2\\\\}\\\\)\\\\([0-9]\\\\{2\\\\}\\\\)" [0
; ;         "\\1-\\2-\\3") "
; ;       (subst-char-in-string ?_ ? buffer-file-name))
; ;     (funcall orig-fun)))
; ; (use-package! websocket
; ;   :after org-roam)
; ; (use-package! org-roam-ui
; ;   :after org-roam
; ;   :commands org-roam-ui-open
; ;   :hook (org-roam . org-roam-ui-mode)
; ;   :config
; ;   (setq org-roam-ui-sync-theme t
; ;         org-roam-ui-follow t
```

```
;;      org-roam-ui-update-on-save t
;;      org-roam-ui-open-on-start t)
;; (require 'org-roam) ; in case autoloaded
;; (defun org-roam-ui-open ()
;;   "Ensure the server is active, then open the roam graph."
;;   (interactive)
;;   (unless org-roam-ui-mode (org-roam-ui-mode 1))
;;   (browse-url--browser (format "http://localhost:%d"
↵ org-roam-ui-port))))
```

## 3.8 Ob-async

## 3.9 Pandoc import

```
(package! org-pandoc-import
:recipe (:host github
:repo "tecosaur/org-pandoc-import"
:files ("*.el" "filters" "preprocessors")))
```

```
(use-package! org-pandoc-import
:after org)
```

## 3.10 Export

### 3.10.1 Preview

```
;; (map! :map org-mode-map

;;      :localleader
;;      :desc "View exported file" "v" #'org-view-output-file)

;; (defun org-view-output-file (&optional org-file-path)
;;   "Visit buffer open on the first output file (if any) found, using
↵ `org-view-output-file-extensions'"
;;   (interactive)
;;   (let* ((org-file-path (or org-file-path (buffer-file-name) ""))
;;         (dir (file-name-directory org-file-path))
;;         (basename (file-name-base org-file-path))
;;         (output-file nil))
;;     (dolist (ext org-view-output-file-extensions)
```

```
;; (unless output-file
;; (when (file-exists-p
;; (concat dir basename "." ext))
;; (setq output-file (concat dir basename "." ext))))
;; (if output-file
;; (if (member (file-name-extension output-file)
⇨ org-view-external-file-extensions)
;; (browse-url-xdg-open output-file)
;; (pop-to-buffer (or (find-buffer-visiting output-file)
;; (find-file-noselect output-file))))
;; (message "No exported file found"))

;; (defvar org-view-output-file-extensions '("pdf" "md" "rst" "txt" "tex"
⇨ "html")
;; "Search for output files with these extensions, in order, viewing the first
⇨ that matches")
;; (defvar org-view-external-file-extensions '("html")
;; "File formats that should be opened externally.")
```

### 3.11 Zotero Integration

```
;; (package! zotxt)
```

```
;; (use-package! zotxt
;; :after org)
```

### 3.12 Org-Chef

```
(package! org-chef)
```

```
(use-package! org-chef
:after org
:commands (org-chef-insert-recipe org-chef-get-recipe-from-url))
```

## 3.13 Bibtex-Integration

### 3.13.1 Citar

```
(package! org-cite-csl-activate :recipe (:host github :repo  
  ↪ "andras-simonyi/org-cite-csl-activate"))
```

```
(use-package! citar  
  :defer t  
  :custom  
  (org-cite-global-bibliography '("~/org/Lecture_Notes/MyLibrary.bib"))  
  (citar-bibliography org-cite-global-bibliography)  
  (citar-symbols  
    '(note ,(nerd-icons-octicon "nf-oct-note" :face 'nerd-icons-blue :v-adjust  
      ↪ -0.3) . " ")  
    '(link ,(nerd-icons-octicon "nf-oct-link" :face 'nerd-icons-orange  
      ↪ :v-adjust 0.01) . " "))  
  :hook  
  (org-mode . citar-capf-setup))
```

```
(use-package! citar-embark  
  :after citar embark  
  :no-require  
  :config (citar-embark-mode))
```

```
(use-package! oc-csl  
  :after oc  
  :config  
  (setq org-cite-csl-styles-dir "~/Zotero/styles/"))  
(after! oc  
  (setq org-cite-export-processors '((t csl))))
```

```
(use-package! oc-csl-activate  
  :after org  
  :config  
  (setq org-cite-activate-processor 'csl-activate)  
  (setq org-cite-csl-activate-use-document-style t)  
  (setq org-cite-csl-activate-use-document-locale t)  
  (add-hook! 'org-mode-hook  
    (cursor-sensor-mode 1))
```

```
(org-cite-csl-activate-render-all)))
```

### 3.13.2 Org-Roam integration

```
;; (use-package! citar-org-roam
;;   :after citar org-roam
;;   :config (citar-org-roam-mode))
;; (setq org-roam-capture-templates
;;       '(("d" "default" plain
;;         "%?"
;;         :target
;;         (file+head
;;          "%<%Y%m%d%H%M%S>-${slug}.org"
;;          "##+title: ${title}\n")
;;         :unnarrowed t)
;;       ("n" "literature note" plain
;;         "%?"
;;         :target
;;         (file+head
;;          "%(expand-file-name \"literature\"
; ↪ org-roam-directory)/${citekey}.org"
;;          "##+title: ${citekey}. ${title}.\n#+created: %U\n#+last_modified:
; ↪ %U\n\n")
;;         :unnarrowed t)))
;; (setq citar-org-roam-capture-template-key "n")
```

## 3.14 Latex templates

### 3.14.1 Preview

#### 1. PNG

```
(after! org
  ;; ORG LATEX PREVIEW
  (setq org-format-latex-options
        (plist-put org-format-latex-options :background "Transparent"))
  (setq org-format-latex-options
        (plist-put org-format-latex-options :scale 1))
  (setq org-preview-latex-default-process 'dvisvgm)
```

```
(setq org-preview-latex-image-directory "~/cache/ltximg/")
)
```

## 2. Header

```
(setq org-format-latex-header "\\documentclass[12pt]
{article}
\\usepackage[usenames]{xcolor}
\\usepackage{booktabs}
\\pagestyle{empty}           % do not remove
% The settings below are copied from fullpage.sty
\\setlength{\\textwidth}{\\paperwidth}
\\addtolength{\\textwidth}{-3cm}
\\setlength{\\oddsidemargin}{1.5cm}
\\addtolength{\\oddsidemargin}{-2.54cm}
\\setlength{\\evensidemargin}{\\oddsidemargin}
\\setlength{\\textheight}{\\paperheight}
\\addtolength{\\textheight}{-\\headheight}
\\addtolength{\\textheight}{-\\headsep}
\\addtolength{\\textheight}{-\\footskip}
\\addtolength{\\textheight}{-3cm}
\\setlength{\\topmargin}{1.5cm}
\\addtolength{\\topmargin}{-2.54cm}
% my custom stuff
\\usepackage{xfrac}
\\usepackage{siunitx}
\\usepackage{diffcoeff}
\\usepackage{nicematrix}
\\usepackage[varbb]{newpxmath}
\\DeclareMathOperator{\\Var}{Var}
\\DeclareMathOperator{\\cov}{Cov}
\\DeclareMathOperator{\\E}{\\mathbb{E}}
\\DeclareMathOperator*{\\argmax}{arg\\,max}
\\DeclareMathOperator*{\\argmin}{arg\\,min}
")
```



### 3.14.2 Article

```
(with-eval-after-load 'ox-latex
(add-to-list 'org-latex-classes
  ("article"
    "\\documentclass[12pt]{article}
\\usepackage[american]{babel}
\\usepackage[margin=1.25in]{geometry}
\\usepackage{parskip}
\\usepackage{booktabs}
\\usepackage{float}
\\usepackage{microtype}
\\usepackage{graphicx}
\\usepackage{mathtools}
\\usepackage{amsthm}
\\usepackage{amssymb}
\\usepackage{bm}
\\usepackage[]{newpxtext}
\\usepackage[]{newpxmath}
\\usepackage{xfrac}
\\usepackage{siunitx}
\\usepackage{caption}
\\captionsetup{labelfont=bf,font={small,singlespacing}}
\\usepackage{subcaption}
\\usepackage{cancel}
\\usepackage{setspace}
\\usepackage{xcolor}
\\usepackage{diffcoeff}
\\usepackage{nicematrix}
\\usepackage{braket}
\\usepackage{enumitem}
\\usepackage{acronym}
\\usepackage{footmisc}
\\usepackage[authoryear,longnamesfirst]{natbib}
\\usepackage{xurl}
\\onehalfspacing{}
\\bibliographystyle{ecta}
\\DeclareMathOperator{\\Var}{Var}
\\DeclareMathOperator{\\Cov}{Cov}
\\DeclareMathOperator{\\E}{\\mathbb{E}}
\\DeclareMathOperator*{\\argmax}{arg\\,max}
```

```

\\DeclareMathOperator*{\\argmin}{arg\\,min}
\\newcommand{\\Et}[2]{\\E_{#2} \\left[#1\\right]}
\\newcommand{\\Covt}[3]{\\cov_{#3}\\left(#1, #2\\right)}
\\newcommand{\\Vart}[2]{\\Var_{#2} \\left[#1\\right]}
\\DeclarePairedDelimiter\\abs{\\lvert}{\\rvert}
\\DeclarePairedDelimiter\\norm{\\lVert}{\\rVert}
\\DeclarePairedDelimiterX\\innerp[2]{\\langle}{\\rangle}{#1,#2}
\\theoremstyle{plain}% default
\\newtheorem{thm}{Theorem}
\\newtheorem{lem}[thm]{Lemma}
\\newtheorem{prop}[thm]{Proposition}
\\newtheorem*{cor}{Corollary}
\\theoremstyle{definition}
\\newtheorem{defn}{Definition}
\\newtheorem{exmp}{Example}
\\providecommand*{\\defnautorefname}{Definition}
\\theoremstyle{remark}
\\newtheorem*{rem}{Remark}
\\newtheorem*{note}{Note}
\\newtheorem{case}{Case}
\\renewcommand{\\leq}{\\leqslant}
\\renewcommand{\\geq}{\\geqslant}
\\usepackage{hyperref}
\\usepackage[] {cleveref}
[NO-DEFAULT-PACKAGES]
[PACKAGES]
[EXTRA] "
    (\\section{\\s} . "\\section*{\\s}")
    (\\subsection{\\s} . "\\subsection*{\\s}")
    (\\subsubsection{\\s} . "\\subsubsection*{\\s}")
    (\\paragraph{\\s} . "\\paragraph*{\\s}"))

```

### 3.14.3 Beamer

```
(setq org-beamer-frame-level 2)
```

```
(setq org-beamer-theme "[progressbar=frametitle, titleformat=smallcaps,
↪ numbering=fraction]metropolis")
```

Define Beamer class:

```

(with-eval-after-load 'ox-latex
(add-to-list 'org-latex-classes
  '("beamer"
    "\\documentclass[c]{beamer}
\\usepackage[american]{babel}
\\usepackage[progressbar=frametitle, titleformat=smallcaps,
↪ numbering=fraction]{metropolis}
\\usepackage{parskip}
\\usepackage{booktabs}
\\usepackage{float}
\\usepackage{microtype}
\\usepackage{graphicx}
\\usepackage{mathtools}
\\usepackage{amsthm}
\\usepackage{amssymb}
\\usepackage{bm}
\\usepackage[] {newpxtext}
\\usepackage{newpxmath}
\\usepackage{xfrac}
\\usepackage{siunitx}
\\usepackage{caption}
\\captionsetup{labelfont=bf,font={small,singlespacing}}
\\usepackage{subcaption}
\\usepackage{cancel}
\\usepackage{setspace}
\\usepackage{xcolor}
\\usepackage[ISO]{diffcoeff}
\\usepackage{nicematrix}
\\usepackage{braket}
\\usepackage{enumitem}
\\usepackage{acronym}
\\usepackage{footmisc}
\\usepackage[authoryear,longnamesfirst]{natbib}
\\usepackage{xurl}
\\usepackage{appendixnumberbeamer}
\\usepackage{dirtytalk}
\\DeclareMathOperator{\\Var}{Var}
\\DeclareMathOperator{\\Cov}{Cov}
\\DeclareMathOperator{\\E}{\\mathbb{E}}})

```

```

\DeclareMathOperator*\argmax{arg\,,max}
\DeclareMathOperator*\argmin{arg\,,min}
\newcommand{\Et}[2]{\E_{#2} \left[#1\right]}
\newcommand{\Covt}[3]{\cov_{#3}\left(#1, #2\right)}
\newcommand{\Vart}[2]{\Var_{#2} \left[#1\right]}
\DeclarePairedDelimiter\abs{\lvert}{\rvert}
\DeclarePairedDelimiter\norm{\lVert}{\rVert}
\DeclarePairedDelimiterX\innerp[2]{\langle}{\rangle}{#1,#2}
\theoremstyle{plain}% default
\newtheorem{thm}{Theorem}
\newtheorem{lem}[thm]{Lemma}
\newtheorem{prop}[thm]{Proposition}
\newtheorem*{cor}{Corollary}
\theoremstyle{definition}
\newtheorem{defn}{Definition}
\newtheorem{exmp}{Example}
\providecommand*\defnautorefname{Definition}
\theoremstyle{remark}
\newtheorem*{rem}{Remark}
\newtheorem*{note}{Note}
\newtheorem{case}{Case}
\renewcommand{\leq}{\leqslant}
\renewcommand{\geq}{\geqslant}
\definecolor{textcolor}{HTML}{2E3440}
\definecolor{titlecolor}{HTML}{a3be8c}
\definecolor{alertcolor}{HTML}{BF616A}
\definecolor{bgcolor}{HTML}{ECEFF4}
\definecolor{barcolor}{HTML}{88C0D0}
\definecolor{bgbarcolor}{HTML}{D8DEE9}
\setbeamercolor{progress bar}{fg=barcolor,bg=bgbarcolor}
\setbeamercolor{frametitle}{fg=titlecolor,bg=bgcolor}
\setbeamercolor{normal text}{fg=textcolor,bg=bgcolor}
\setbeamercolor{alerted text}{fg=alertcolor,bg=bgcolor}
\setbeamercolor{example text}{fg=examplecolor}
\setbeamercovered{dynamic}
\usecolortheme{rose}
[NO-DEFAULT-PACKAGES]
[PACKAGES]
[EXTRA] "
      ("\\section{%s}" . "\\section*{%s}")

```

```

("\\subsection{%s}" . "\\subsection*{%s}")
("\\subsubsection{%s}" . "\\subsubsection*{%s}")
("\\paragraph{%s}" . "\\paragraph*{%s}")
("\\subparagraph{%s}" . "\\subparagraph*{%s}"))))

```

### 3.14.4 Export

```

(setq org-latex-pdf-process '("LC_ALL=en_US.UTF-8 latexmk -f -pdf -%latex
↪ -shell-escape -interaction=nonstopmode -output-directory=%o %f"))

```

```

(setq org-latex-tables-booktabs t
      org-latex-hyperref-template "\\providecolor{url}{HTML}{81a1c1}
\\providecolor{link}{HTML}{d08770}
\\providecolor{cite}{HTML}{d08770}
\\hypersetup{
pdfauthor={%a},
pdftitle={%t},
pdfkeywords={%k},
pdfsubject={%d},
pdfcreator={%c},
pdflang={%L},
breaklinks=true,
colorlinks=true,
linkcolor=link,
urlcolor=url,
citecolor=cite
}
"
      org-latex-reference-command "\\cref{%s}")

```

#### 1. Preview

```

;; Use pdf-tools to open PDF files
(setq TeX-view-program-selection '((output-pdf "PDF Tools"))
      TeX-source-correlate-start-server t)

```

```

;; Update PDF buffers after successful LaTeX runs
(add-hook 'TeX-after-compilation-finished-functions
↪ #'TeX-revert-document-buffer)

```

#### 2. Code blocks

```
(package! engrave-faces)
```

```
(use-package! engrave-faces-latex
  :after ox-latex)
(setq org-latex-listings 'engraved)
(setq org-latex-engraved-theme 'doom-nord)
```

## 3.15 Capture

### 3.15.1 Doct

```
(package! doct)
```

## 4 Corfu

```
;; (setq corfu-popupinfo-delay 0)
```

## 5 Jinx

```
(package! jinx)
```

```
(use-package! jinx
  :defer t
  :init
  (global-jinx-mode)
  :config
  ;; Extra face(s) to ignore
  (push 'org-inline-src-block
    (alist-get 'org-mode jinx-exclude-faces))
  ;; Take over the relevant bindings.
  (after! evil-commands
    (global-set-key [remap ispell-word] #'jinx-correct))
  (after! evil-commands
    (global-set-key [remap evil-next-flyspell-error] #'jinx-next)
    (global-set-key [remap evil-prev-flyspell-error] #'jinx-previous)))
```

## 6 LSP

### 6.1 Start with buffer

```
(add-hook 'LaTeX-mode-hook #'lsp-deferred)
```

### 6.2 Keybindings

```
;; (map! :after lsp-mode  
;;       :map evil-normal-state-map  
;;       "K" #'lsp-ui-doc-show)
```

### 6.3 LSP-Bridge

```
;; (when (package! lsp-bridge  
;;       :recipe (:host github  
;;               :repo "manateelazycat/lsp-bridge"  
;;               :branch "master"  
;;               :files ("*.el" "*.py" "acm" "core" "langserver"  
; ↪ "multiserver" "resources")  
;;               ;; do not perform byte compilation or native compilation for  
; ↪ lsp-bridge  
;;               :build (:not compile)))  
;;   (package! markdown-mode)  
;;   (package! yasnipet)  
;;   (package! lsp-mode :disable t)  
;;   (package! company :disable t)  
;;   (package! corfu :disable t)
```

```
;; (setq native-comp-deferred-compilation-deny-list '("lsp-bridge"))  
;; (use-package! lsp-bridge  
;;   :config  
;;   (setq lsp-bridge-enable-log nil)  
;;   (global-lsp-bridge-mode))
```

## 6.4 Digestif

```
;; (after! lsp-mode
;;   (setq lsp-tex-server 'digestif))
```

## 6.5 LTeX

```
(package! lsp-ltex)
```

```
(use-package! lsp-ltex
  :defer t
  :init)
;; (use-package! eglot-ltex
;;   :init
;;   (setq eglot-ltex-server-path "/opt/homebrew/"
;;         eglot-ltex-communication-channel 'tcp)) ; 'stdio or 'tcp
```

```
;; (after! eglot
;;   (add-to-list 'eglot-server-programs
;;     `((latex-mode :language-id "latex")
;;       . ,(eglot-alternatives '("texlab")
;;                               ("ltex-ls" "--server-type"
;;                                "TcpSocket" "--port" :autoport)))))) ;
```

## 7 VLFI

```
;; (package! vlfi)
```

```
;; (use-package! vlf-setup
;;   :defer-incrementally t)
```

## 8 PDF-Tools

### 8.1 Dark mode

```
;; (add-hook 'pdf-tools-enabled-hook 'pdf-view-midnight-minor-mode)
```



## 9 Option key Fix

```
(defun switch-left-and-right-option-keys ()
  "Switch left and right option keys.
   On some external keyboards the left and right option keys are swapped,
   this command switches the keys so that they work as expected."
  (interactive)
  (let ((current-left mac-option-modifier)
        (current-right mac-right-option-modifier))
    (setq mac-option-modifier current-right
          mac-right-option-modifier current-left)))
```

## 10 Centaur

```
;; (after! centaur-tabs
;;   (centaur-tabs-mode -1)
;;   (setq centaur-tabs-height 36
;;         centaur-tabs-set-icons t
;;         centaur-tabs-modified-marker "o"
;;         centaur-tabs-close-button "x"
;;         centaur-tabs-set-bar 'above
;;         centaur-tabs-gray-out-icons 'buffer)
;;   (centaur-tabs-change-fonts "P22 Underground Book" 160))
;; (setq x-underline-at-descent-line t)
```

## 11 RSS

```
;; (add-hook! 'elfeed-search-mode-hook #'elfeed-update) ;
;; (after! elfeed
;;   (setq elfeed-goodies/entry-pane-position 'bottom)
;;   (setq rmh-elfeed-org-files '("~/org/elfeed.org")))
```

## 11.1 Visual

```
;; (after! elfeed
;;   (setq elfeed-search-filter "@1-week-ago +unread"
;;         elfeed-search-print-entry-function '+rss/elfeed-search-print-entry
;;         elfeed-search-title-min-width 80
;;         elfeed-show-entry-switch #'pop-to-buffer
;;         elfeed-show-entry-delete #'elfeed-kill-buffer
;;         elfeed-show-refresh-function #'+rss/elfeed-show-refresh--better-style
;;         shr-max-image-proportion 0.6)

;;   (add-hook! 'elfeed-show-mode-hook (hide-mode-line-mode 1))
;;   (add-hook! 'elfeed-search-update-hook #'hide-mode-line-mode)

;;   (defface elfeed-show-title-face '((t (:weight ultrabold :slant italic
↵ :height 1.5)))
;;     "title face in elfeed show buffer"
;;     :group 'elfeed)
;;   (defface elfeed-show-author-face `((t (:weight light)))
;;     "title face in elfeed show buffer"
;;     :group 'elfeed)
;;   (set-face-attribute 'elfeed-search-title-face nil
;;                       :foreground 'nil
;;                       :weight 'light)

;;   (defadvice! +rss-elfeed-wrap-h-nicer ()
;;     "Enhances an elfeed entry's readability by wrapping it to a width of
;;     `fill-column' and centering it with `visual-fill-column-mode'."
;;     :override #'+rss-elfeed-wrap-h
;;     (setq-local truncate-lines nil
;;                   shr-width 140
;;                   visual-fill-column-center-text t
;;                   default-text-properties '(line-height 1.2))
;;     (let ((inhibit-read-only t)
;;           (inhibit-modification-hooks t))
;;       (setq-local shr-current-font '(:family "Lato" :height 1.2))
;;       (set-buffer-modified-p nil)))

;;   (defun +rss/elfeed-search-print-entry (entry)
;;     "Print ENTRY to the buffer."
;;     (let* ((elfeed-goodies/tag-column-width 40)
```

```

;;      (elfeed-goodies/feed-source-column-width 30)
;;      (title (or (elfeed-meta entry :title) (elfeed-entry-title entry)
↪      ""))
;;      (title-faces (elfeed-search--faces (elfeed-entry-tags entry)))
;;      (feed (elfeed-entry-feed entry))
;;      (feed-title
;;      (when feed
;;      (or (elfeed-meta feed :title) (elfeed-feed-title feed))))
;;      (tags (mapcar #'symbol-name (elfeed-entry-tags entry)))
;;      (tags-str (concat (mapconcat 'identity tags ",")))
;;      (title-width (- (window-width)
↪      elfeed-goodies/feed-source-column-width
;;      elfeed-goodies/tag-column-width 4))

;;      (tag-column (elfeed-format-column
;;      tags-str (elfeed-clamp (length tags-str)
;;
↪      elfeed-goodies/tag-column-width
;;
↪      elfeed-goodies/tag-column-width)
;;      :left))
;;      (feed-column (elfeed-format-column
;;      feed-title (elfeed-clamp
↪      elfeed-goodies/feed-source-column-width
;;
↪      elfeed-goodies/feed-source-column-width
;;
↪      elfeed-goodies/feed-source-column-width)
;;      :left)))

;;      (insert (propertize feed-column 'face 'elfeed-search-feed-face) " ")
;;      (insert (propertize tag-column 'face 'elfeed-search-tag-face) " ")
;;      (insert (propertize title 'face title-faces 'kbd-help title))
;;      (setq-local line-spacing 0.2)))

;; (defun +rss/elfeed-show-refresh--better-style ()
;; "Update the buffer to match the selected entry, using a mail-style."
;; (interactive)
;; (let* ((inhibit-read-only t)
;; (title (elfeed-entry-title elfeed-show-entry))

```

```

;;      (date (seconds-to-time (elfeed-entry-date elfeed-show-entry)))
;;      (author (elfeed-meta elfeed-show-entry :author))
;;      (link (elfeed-entry-link elfeed-show-entry))
;;      (tags (elfeed-entry-tags elfeed-show-entry))
;;      (tagsstr (mapconcat #'symbol-name tags ", "))
;;      (nicedate (format-time-string "%a, %e %b %Y %T %Z" date))
;;      (content (elfeed-deref (elfeed-entry-content elfeed-show-entry)))
;;      (type (elfeed-entry-content-type elfeed-show-entry))
;;      (feed (elfeed-entry-feed elfeed-show-entry))
;;      (feed-title (elfeed-feed-title feed))
;;      (base (and feed (elfeed-compute-base (elfeed-feed-url feed))))
;;      (erase-buffer)
;;      (insert "\n")
;;      (insert (format "%s\n\n" (property title 'face
↪ 'elfeed-show-title-face)))
;;      (insert (format "%s\t" (property feed-title 'face
↪ 'elfeed-search-feed-face)))
;;      (when (and author elfeed-show-entry-author)
;;      (insert (format "%s\n" (property author 'face
↪ 'elfeed-show-author-face))))
;;      (insert (format "%s\n\n" (property nicedate 'face
↪ 'elfeed-log-date-face)))
;;      (when tags
;;      (insert (format "%s\n"
;;      (property tagsstr 'face 'elfeed-search-tag-face))))
;;      ;; (insert (property "Link: " 'face 'message-header-name))
;;      ;; (elfeed-insert-link link link)
;;      ;; (insert "\n")
;;      (cl-loop for enclosure in (elfeed-entry-enclosures elfeed-show-entry)
;;      do (insert (property "Enclosure: " 'face
↪ 'message-header-name))
;;      do (elfeed-insert-link (car enclosure))
;;      do (insert "\n"))
;;      (insert "\n")
;;      (if content
;;      (if (eq type 'html)
;;      (elfeed-insert-html content base)
;;      (insert content))
;;      (insert (property "(empty)\n" 'face 'italic)))
;;      (goto-char (point-min)))

```

```
;; )
```

## 12 Email

### 12.1 mu4e

```
;; add to $DOOMDIR/config.el
(after! mu4e
  (setq sendmail-program (executable-find "msmtp")
        send-mail-function #'smtpmail-send-it
        message-sendmail-f-is-evil t
        message-sendmail-extra-arguments '("--read-envelope-from")
        message-send-mail-function #'message-send-mail-with-sendmail)
  ;; how often to call it in seconds:
  (setq mu4e-sent-messages-behavior 'sent ;; Save sent messages
        mu4e-headers-auto-update t      ; avoid to type `g' to
        ↪ update
        mml-secure-openpgp-signers
        ↪ '("6A5C039B63B86AC6C5109955B57BA04FBD759C7F"
        ↪ "D1D9947126EE64AC7ED3950196F352393B5B3C2E")
        mml-secure-openpgp-sign-with-sender t
        mu4e-use-fancy-chars t          ; allow fancy icons for mail
        ↪ threads
        mu4e-change-filenames-when-moving t
        mu4e-index-lazy-check nil
        mu4e-context-policy 'ask-if-none ;; Always ask which context to use
        ↪ when composing a new mail
        mu4e-compose-context-policy 'ask ;; Always ask which context to use
        ↪ when composing a new mail
        mu4e-update-interval 60
        mu4e-attachment-dir "~/Downloads")
  (set-email-account! "gmail"
    '((mu4e-sent-folder .
      ↪ "/leoaparis@gmail.com/[Gmail]/Sent Mail")
      (mu4e-drafts-folder .
      ↪ "/leoaparis@gmail.com/[Gmail]/Drafts")
      (mu4e-trash-folder .
      ↪ "/leoaparis@gmail.com/[Gmail]/Trash")
```

```

        (mu4e-refile-folder      .
          ↪ "/leoaparisigmail.com/Archives")
        (user-mail-address . "leoaparisigmail.com")
        (smtpmail-smtp-user    . "leoaparisigmail.com")
        (mu4e-compose-signature . "---\nLeo Aparisi de Lannoy"))
    t)
(set-email-account! "U Chicago"
  '( (mu4e-sent-folder      .
      ↪ "/laparissidelannoy@uchicago.edu/Sent")
      (mu4e-drafts-folder   .
        ↪ "/laparissidelannoy@uchicago.edu/Drafts")
      (user-mail-address . "laparissidelannoy@uchicago.edu")
      (mu4e-trash-folder    .
        ↪ "/laparissidelannoy@uchicago.edu/Trash")
      (mu4e-refile-folder   .
        ↪ "/laparissidelannoy@uchicago.edu/Archive")
      (smtpmail-smtp-user   .
        ↪ "laparissidelannoy@uchicago.edu")
      (mu4e-compose-signature . "---\nLeo Aparisi de Lannoy"))
    t)
;; Add a unified inbox shortcut
(add-to-list
  'mu4e-bookmarks
  '(:name "Unified inbox" :query "maildir:/*inbox/" :key ?i) t)
(add-to-list
  'mu4e-bookmarks
  '(:name "Sent" :query "maildir:/*Sent/" :key ?s) t)
(add-to-list
  'mu4e-bookmarks
  '(:name "Drafts" :query "maildir:/*Drafts/" :key ?d) t)
(add-to-list
  'mu4e-bookmarks
  '(:name "Spam" :query "maildir:/*Spam/ or maildir:/*Junk/" :key ?S) t)
(add-to-list
  'mu4e-bookmarks
  '(:name "Trash" :query "maildir:/*Trash/" :key ?T) t)
)

```

## 13 Latex

```
(setq +latex-viewers '(pdf-tools))
(defun compile-save()
  "Test of save hook"
  (when (eq major-mode 'LaTeX-mode)
    (+latex/compile)))
(add-hook 'after-save-hook #'compile-save)
(setq TeX-save-query nil
      TeX-show-compilation nil
      TeX-command-extra-options "-shell-escape")
(after! latex
  (add-to-list 'TeX-command-list '("XeLaTeX" "%\`xelatex%(mode)%" %t" TeX-run-TeX
    ↪ nil t)))
```

## 14 Flycheck

```
;; (setq flycheck-eglot-exclusive nil)
(map! :map evil-normal-state-map
      "SPC c b" #'consult-flycheck)
```

## 15 TRAMP

```
(after! tramp
  (setenv "SHELL" "/bin/bash")
  (setq tramp-shell-prompt-pattern "\\(?:~\\|\\n\\|\\x0d\\|\\)[~]#%>\\n]*#?[]#%> ]
    ↪ *\\(\\e\\|[0-9;]*[a-zA-Z] *\\)*)" ) ; default +
  (setq vc-ignore-dir-regexp
        (format "\\(%s\\)\\|\\(%s\\)"
          vc-ignore-dir-regexp
          tramp-file-name-regexp))
```