



# Linux Files

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# 1 Doom Emacs

After hearing about **Emacs** for some time, I began using it last year. Initially, I hesitated due to its steep learning curve and the time investment it required. However, the challenge has been quite rewarding. **Emacs** has revolutionized my daily computer interactions. Although I used to rely heavily on the mouse, **Emacs** has shifted my workflow to be more keyboard-centric, enhancing my overall experience.

The standout feature for me is **Org-mode**, which has significantly improved my productivity. It makes other text editors, like Microsoft Word, seem less capable by comparison. I wonder why I wasn't aware of **Org-mode** sooner.

Currently, I use **Emacs** for a variety of tasks including writing documents, managing blogs, creating Hugo websites, composing and checking emails, navigating the terminal, and editing L<sup>A</sup>T<sub>E</sub>X documents. I'm looking forward to learning more about its features, such as the agenda, Org-roam, and others.

In this blog post, I aim to discuss exporting to PDF with Org-mode. After extensive research and watching numerous tutorials, I've established a modest configuration. I'm still refining a few tweaks to better suit my workflow, drawing inspiration from various sources online. I welcome advice from experts to help streamline and enhance my configuration.

## 2 Org-mode

Org-mode preamble I use to export PDF.

```
#+OPTIONS: toc:nil title:nil
#+SETUPFILE:
    /run/media/rob/RobLinux/My_Documents/emacs/org/setupfiles/org_article_file.org
#+LATEX_HEADER: \usepackage{fancyheadings}
#+LATEX_HEADER: \usepackage{minted}
#+LaTeX_HEADER: \usemintedstyle{manni}
#+LATEX_HEADER: \usepackage{pdfpages}

#+BEGIN_EXPORT latex
\includepdf[pages=1,fitpaper]{linux_files.pdf}

\pagenumbering{\fancyhf{}}
\pagestyle{headings}
\pagenumbering{arabic}
```

```
\fancyhead[R]{\thepage}

\fancyfoot[C]{New Linux User}
\pagestyle{fancy}
\renewcommand{\footrulewidth}{1px}

\definecolor{dkgreen}{rgb}{0,0.6,0}
\definecolor{gray}{rgb}{0.5,0.5,0.5}
\definecolor{mauve}{rgb}{0.58,0,0.82}
#+END_EXPORT

@@latex:\clearpage@@
#+BEGIN_EXPORT latex
\clearpage \tableofcontents \setcounter{tocdepth}{5} \clearpage
#+END_EXPORT
```

The SETUPFILE configuration i'm using is from Jake B [YouTube channel](#). I am actively learning from this

configuration and making the necessary adjustments to tailor it to my preferences.

```

#+title: Org Article File

#+LaTeX_CLASS: org-plain-latex
#+LaTeX_CLASS_OPTIONS: [letterpaper, 12pt]
#+LATEX_HEADER: \usepackage{lmodern} % Ensures we have the right font
#+LATEX_HEADER: \usepackage[T1]{fontenc}
#+LATEX_HEADER: \usepackage[AUTO]{inputenc}
#+LATEX_HEADER: \usepackage{graphicx}
#+LATEX_HEADER: \usepackage{amsmath, amsthm, amssymb}
#+LATEX_HEADER: \usepackage[table, xcdraw]{xcolor}

% Colorizing links in a nicer way.
#+LATEX_HEADER: \definecolor{bblue}{HTML}{0645AD}
#+LATEX_HEADER: \usepackage[colorlinks]{hyperref}
#+LATEX_HEADER: \hypersetup{colorlinks, linkcolor=blue, urlcolor=bblue}

% Moving up the title.
% #+LATEX_HEADER: \usepackage{titling}
% #+LATEX_HEADER: \setlength{\droptitle}{-6em}

#+LATEX_HEADER: \setlength{\parindent}{0pt}
#+LATEX_HEADER: \setlength{\parskip}{1em}
#+LATEX_HEADER: \usepackage[stretch=10]{microtype}
#+LATEX_HEADER: \usepackage{hyphenat}
#+LATEX_HEADER: \usepackage{ragged2e}
#+LATEX_HEADER: \usepackage{subfig} % Subfigures (not needed in Org I think)
#+LATEX_HEADER: \usepackage{hyperref} % Links
#+LATEX_HEADER: \usepackage{listings} % Code highlighting
% Disables flush alignment on the right side. Personal preference.
# #+LATEX_HEADER: \RaggedRight

% Page geometry
#+LATEX_HEADER: \usepackage[top=1in, bottom=1in, left=.5in, right=.5in]{geometry}
% #+LATEX_HEADER: \setcounter{tocdepth}{5}
% #+LATEX_HEADER: \setcounter{secnumdepth}{5}

% Line spacing

```

```

#+LATEX_HEADER: \renewcommand{\baselinestretch}{1.15}

% Page numbering - this disables it
# #+LATEX_HEADER: \pagenumbering{gobble}

% Spacing, titling, text setting.
% #+LATEX_HEADER: \usepackage[explicit]{titlesec}

% Title customization
% #+LATEX_HEADER: \pretitle{\begin{center}\fontsize{20pt}{20pt}\selectfont}
% #+LATEX_HEADER: \posttitle{\par\end{center}}
% #+LATEX_HEADER:
% \preauthor{\begin{center}\vspace{-6bp}\fontsize{14pt}{14pt}\selectfont}
% #+LATEX_HEADER: \postauthor{\par\end{center}\vspace{-25bp}}

% #+LATEX_HEADER: \predate{\begin{center}\fontsize{12pt}{12pt}\selectfont}
% #+LATEX_HEADER: \postdate{\par\end{center}\vspace{0em}}

% Section/subsection headings:

%Section
% #+LATEX_HEADER: \titlespacing\section{0pt}{5pt}{5pt} % left margin, space before
%               section header, space after section header

%Subsection
% #+LATEX_HEADER: \titlespacing\subsection{0pt}{5pt}{-2pt} % left margin, space
%               before subsection header, space after subsection header

%Subsubsection
% #+LATEX_HEADER: \titlespacing\subsubsection{0pt}{5pt}{-2pt} % left margin, space
%               before subsection header, space after subsection header

% List spacing
#+LATEX_HEADER: \usepackage{enumitem}
#+LATEX_HEADER: \setlist{itemsep=-2pt} % or \setlist{noitemsep} to leave space around
%               whole list

```

```
# %Section
% #+LATEX_HEADER: \titleformat{\section} {\Large}{\thesection}{1em}{\textbf{#1}} %
    Section header formatting
% #+LATEX_HEADER: \titlespacing\section{0pt}{5pt}{-5pt} % left margin, space before
    section header, space after section header

# %Subsection
% #+LATEX_HEADER: \titleformat{\subsection} {\large}{\thesubsection}{1em}{\textbf{#1}}
\titlespacing\subsection{0pt}{5pt}{-5pt} % left margin, space before subsection
    header, space after subsection header

# %Subsubsection
% # #+LATEX_HEADER: \titleformat{\subsubsection} {\large}{\the subsubsection}{1em}{#1}
\titlespacing\subsubsection{0pt}{5pt}{-5pt} % left margin, space before subsection
    header, space after subsection header

% Code Blocks Listings
#+LATEX_HEADER: \usepackage{color}
#+LATEX_HEADER: \usepackage{listings}
#+LATEX_HEADER: \usepackage{minted}
```