

# L<sup>A</sup>T<sub>E</sub>X Setup for the Sublime Editor with Windows

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1. Install TeX Live <https://www.tug.org/texlive/acquire.html>. This will take some time to download.
2. Add TeX Live executables to your system path. It is in a folder similar to “C:\texlive\2020\bin\win32”
3. In Sublime, go to Tools → Install Package Control to install the package controller.
4. Use Sublime’s package control to install LaTeXTools package. In Sublime, go to “Preferences → Package Control → Package Control: Install Package” and scroll or search for LaTeXTools
5. Install the lightweight pdf reader SumatraPDF at <https://www.sumatrapdfreader.org/download-free-pdf-viewer.html>
6. It will likely install in your Admin folder and give you an error that it can’t be opened. It may be in “C:\Users\...\.ARA-ADMIN\AppData\Local”. So move the SumatraPDF folder to “C:\Program Files” or somewhere else that is accessible.
7. Add the “C:\Program Files\SumatraPDF” (or whatever you chose) to your system path and restart your computer for the path changes to take affect.
8. Ensure setup is correct:
  - Go to “Preferences → Package Settings → LaTeXTools → Settings – User” and scroll to the Platform Settings (about line 209)
  - Ensure the TeX distro is set to “texlive”
  - Go to “Preferences → Package Settings → LaTeXTools → Check System”. The status of all essential programs should be labeled as “available”.
9. Now Create a .tex document (or just use this document) and press Ctrl+b to compile the file. Sumatra should pop up and show you the compiled document.
10. Install LaTeX-cwl and LaTeXXYZ with Sublime’s package control just like we did above. These packages assist with autocompletion and syntax shortcuts. For reference:
  - <https://github.com/LaTeXing/LaTeX-cwl>
  - <https://github.com/randy3k/LaTeXYZ>
11. Configure inverse search so you can compare a pdf object to an editor object easily.
  - Compile a tex file so that SumatraPDF is displaying a tex document.
  - In the SumatraPDF window, go to “Settings → Options” and in the inverse search section put the path to your sublime executable followed by “%f:%l”
  - For example: “C:\Program Files\Sublime Text 3\sublime\_text.exe” “%f:%l”
  - Now double clicking on a line in the pdf will automatically move the cursor to the corresponding line in Sublime.
12. A comprehensive list of L<sup>A</sup>T<sub>E</sub>X symbols can be found here:
  - <https://mirror.its.dal.ca/ctan/info/symbols/comprehensive/symbols-a4.pdf>