

Install Tools in Linux

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1 Install Aptitude

Click the Ubuntu icon and search for “software”:

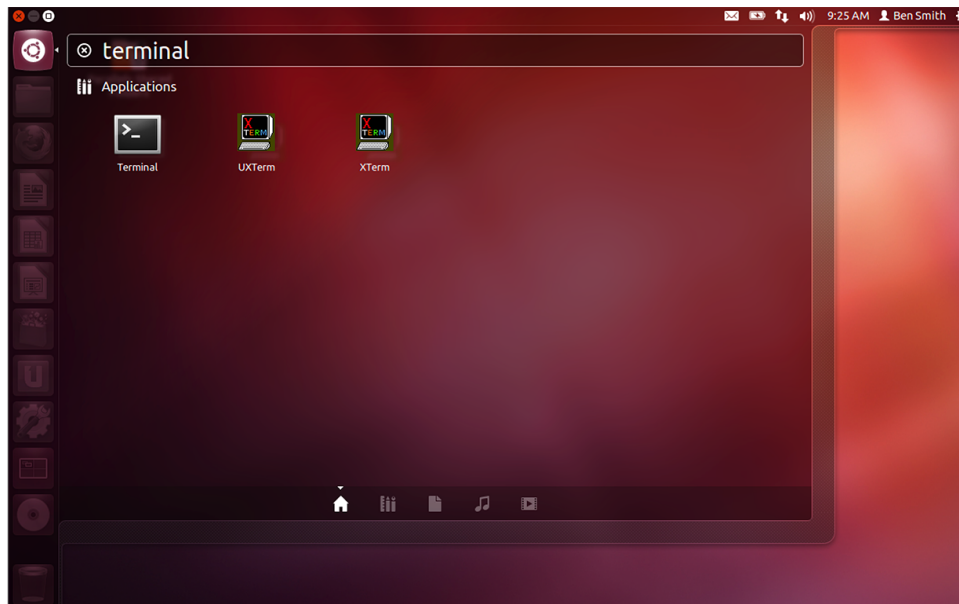


Figure 1: Search for terminal app

Click on the terminal and type in following. When the terminal asks for your password enter it then press enter:

```
> sudo apt-get install aptitude
```

After you’ve installed aptitude, make sure to update its database. Type:

```
> sudo aptitude update
```

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2 Install Python with SciPy and Numpy

The following will install python with all necessary scientific and numeric tools. Assuming you have installed aptitude and the terminal is open type:

```
> sudo aptitude install python-scipy
```

3 Install Scrappy

The following will install python with all necessary tools to scrape websites. Assuming you have installed aptitude and the terminal is open type:

```
> sudo aptitude install python-scrappy
```

4 Install LaTeX

The following will install the base package of LaTeX. Assuming you have installed aptitude and the terminal is open type:

```
> sudo aptitude install texlive
```

You can have as much or as little of LaTeX installed as you want. Doing a search for “texlive” reveals many packages (figure 2).

```
> sudo aptitude search texlive
```

If you wanted to install the extra packages for bibtex, you would type:

```
> sudo aptitude install texlive-bibtex-extra
```

Other packages follow a similar pattern.

```
ben@ben-Parallels-Virtual-Platform: ~  
ben@ben-Parallels-Virtual-Platform:~$ sudo aptitude search texlive  
p texlive - TeX Live: A decent selection of the TeX Li  
p texlive-base - TeX Live: Essential programs and files  
v texlive-base-bin -  
v texlive-base-bin:i386 -  
p texlive-bibtex-extra - TeX Live: Extra BibTeX styles  
p texlive-binaries - Binaries for TeX Live  
p texlive-binaries:i386 - Binaries for TeX Live  
p texlive-common - TeX Live: Base component  
v texlive-context -  
p texlive-doc-base - TeX Live: TeX Live documentation  
p texlive-doc-bg - TeX Live: Bulgarian documentation  
p texlive-doc-cs+sk - TeX Live: Czech/Slovak documentation  
p texlive-doc-de - TeX Live: German documentation  
p texlive-doc-en - TeX Live: English documentation  
p texlive-doc-es - TeX Live: Spanish documentation  
p texlive-doc-fi - TeX Live: Finnish documentation  
p texlive-doc-fr - TeX Live: French documentation  
p texlive-doc-it - TeX Live: Italian documentation  
p texlive-doc-ja - TeX Live: Japanese documentation  
p texlive-doc-ko - TeX Live: Korean documentation  
p texlive-doc-mn - TeX Live: Mongolian documentation  
p texlive-doc-nl - TeX Live: Dutch documentation
```

Figure 2: Screenshot of TexLive packages

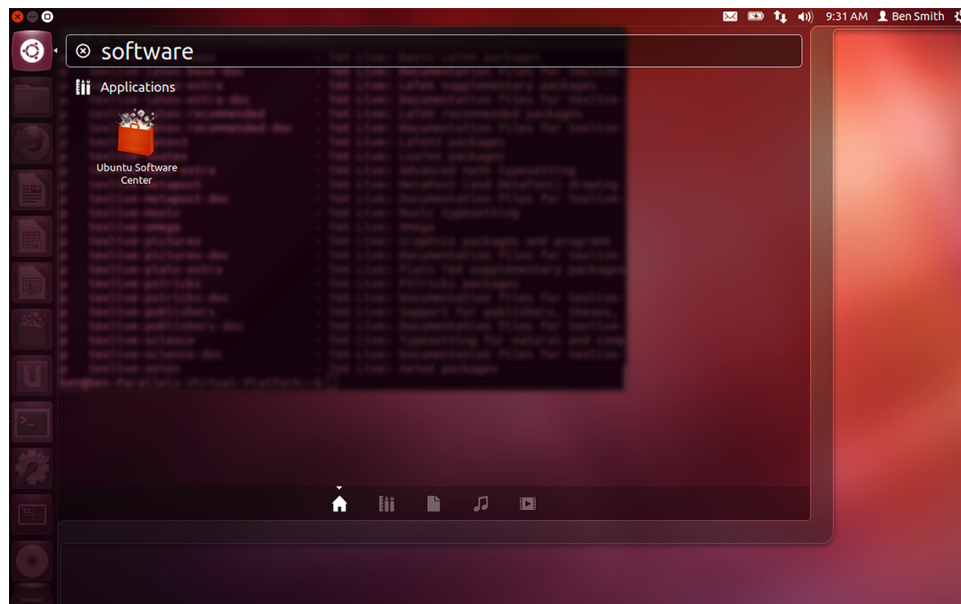


Figure 3: Search for Software Center

5 Install Kile

Kile is a LaTeX editor for Linux. To install Kile, you first need to open the Software Center by searching for “software”:

From within the Software Center, search for “Kile”:

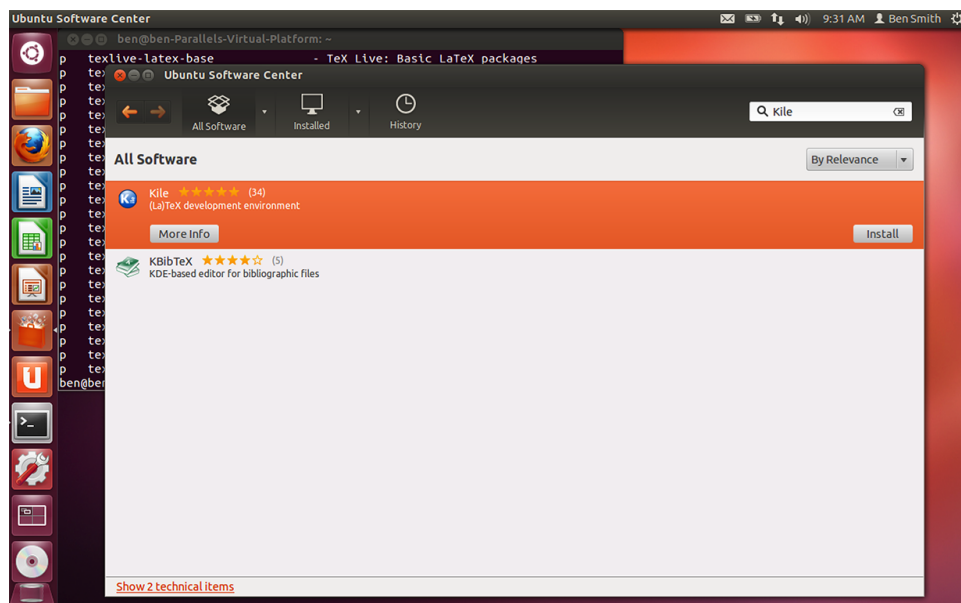


Figure 4: Find “Kile” in Software Center