

Install Tools in Linux

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1 Install Aptitude

Click the Ubuntu icon and search for “terminal”:

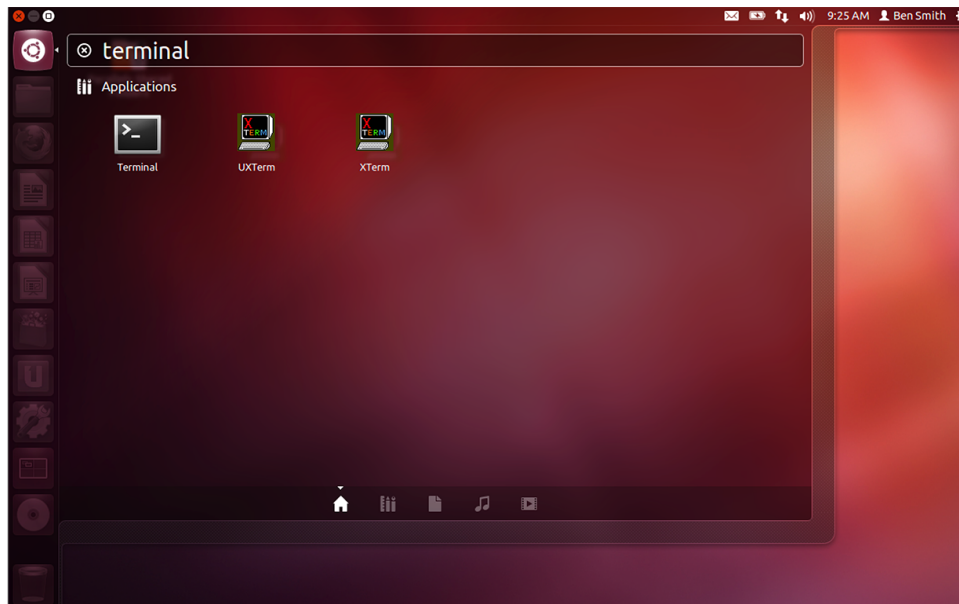


Figure 1: Search for terminal app

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. If you want to install the full texlive package type:

```
> sudo aptitude install texlive-full
```

If you want to use biblatex, type:

```
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

```
> sudo aptitude install biblatex
```

Alternatively, you can install the latest version of texlive from their website (the ubuntu build is from 2009). It isn't that hard and they already have instructions here:

<http://www.tug.org/texlive/quickinstall.html>

5 Install Kile or TexMaker

Kile and TexMaker are LaTeX editors for Linux. You will need to install one of them. To install Kile, you first need to open the Software Center by searching for “software”:

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

Similarly, within the Software Center, search for “TexMaker”:

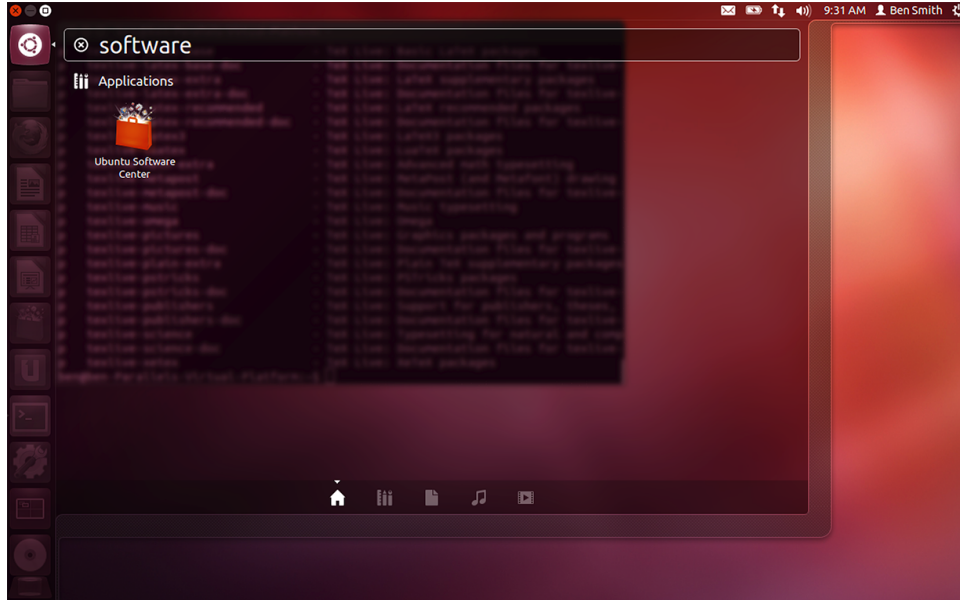


Figure 3: Search for Software Center

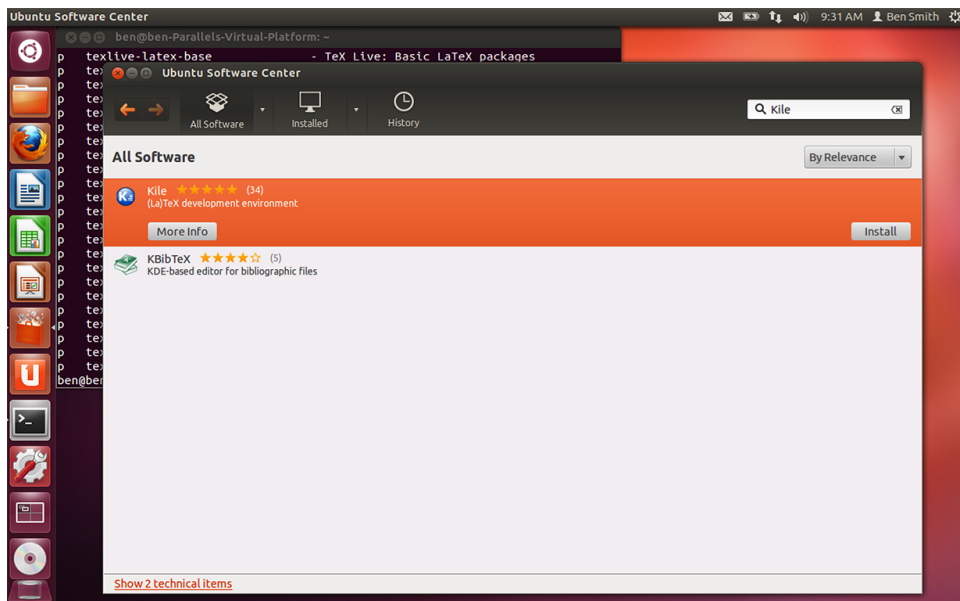


Figure 4: Find “Kile” in Software Center

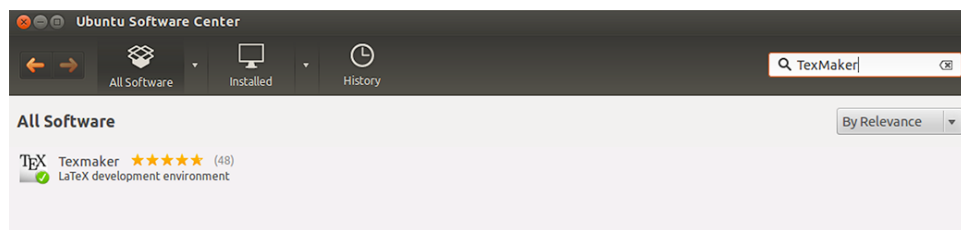


Figure 5: Find “TexMaker” in Software Center