Install Tools in Linux

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1 Install Aptitude

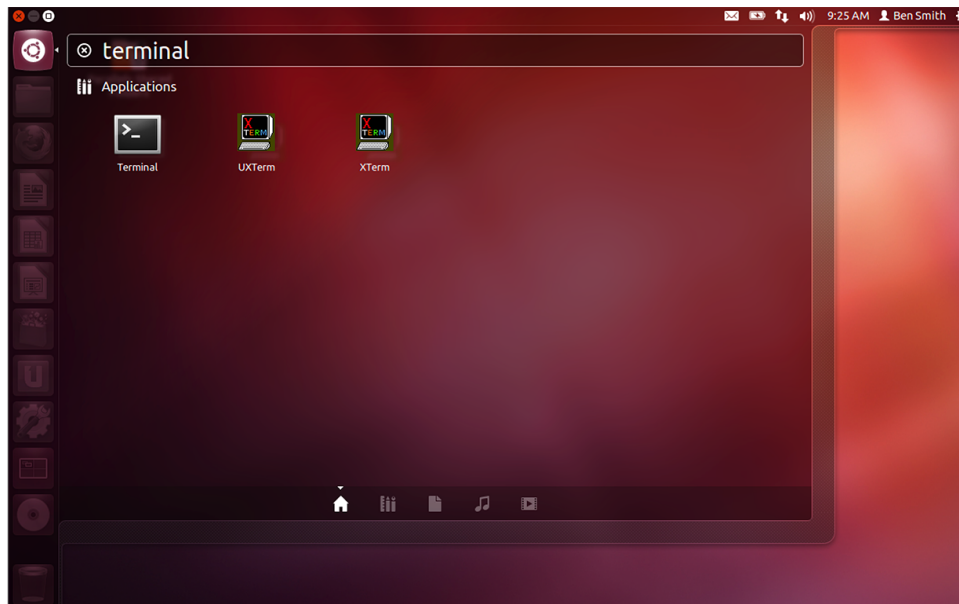Click the Ubuntu icon and search for "software":

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 Scrapy

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-scrapy
```

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.
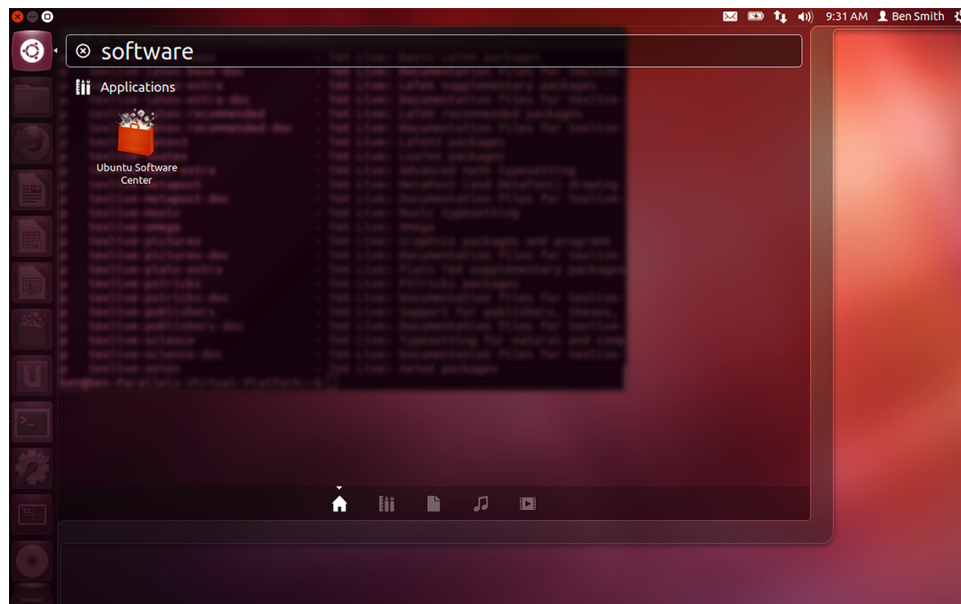
Figure 2: Screenshot of TexLive packages

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":

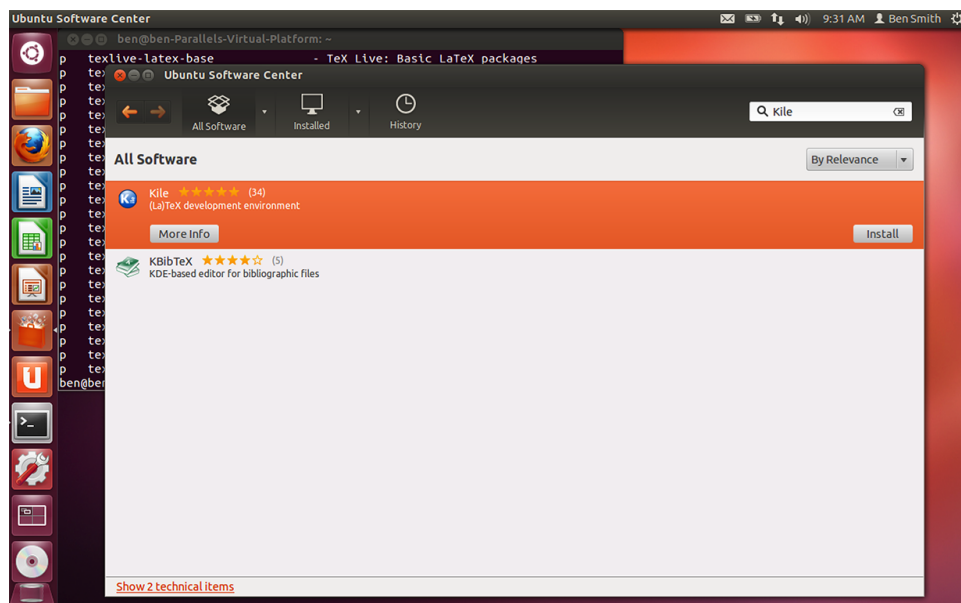From within the Software Center, search for "Kile":

Figure 4: Find "Kile" in Software Center