Things to do after installing Ubuntu 16.04 LTS:

Open the terminal (Ctrl+Alt+T) and update + upgrade the system repos:

```
sudo apt-get update
sudo apt-get upgrade
sudo apt-get dist-upgrade
```

Install some essential tools

```
sudo apt-get install git
sudo apt-get install gksu
sudo apt-get update && sudo apt-get install pandoc
```

Install useful apps

VLC media player (from terminal)

```
sudo apt-get update
sudo apt-get install vlc
```

Atom editor (from terminal)

```
sudo add-apt-repository ppa:webupd8team/atom
sudo apt update; sudo apt install atom
```

Skype (from terminal)

```
cd ~/Downloads
wget https://repo.skype.com/latest/skypeforlinux-64.deb
sudo dpkg -i skypeforlinux-64.deb
sudo apt install -f
```

Source https://askubuntu.com/questions/7498/how-do-i-install-skype

Or alternatively..

```
sudo add-apt-repository "deb http://archive.canonical.com/ $(lsb_release -sc) partner"
sudo dpkg --add-architecture i386
sudo apt-get update
sudo apt-get install skype
```

Source https://idroot.net/linux/install-skype-ubuntu-16-04/

youtube-dl (from terminal)

0. Remove/purge old version of youtube-dl, if needed

   ```
   sudo apt-get remove <application_name> ## removes only the package
   sudo apt-get purge <package-name> ## removes package + its config files
   sudo apt-get autoremove ## run this after a purge
   ```

1. Update and upgrade repos

   ```
   sudo apt-get update -y
   sudo apt-get upgrade -y
   ```

2. Install curl

   ```
   sudo apt-get install curl -y
   ```

3. Install youtube-dl binary

   ```
   sudo curl -L https://yt-dl.org/latest/youtube-dl -o /usr/bin/youtube-dl
   ```

4. Change permissions

   ```
   sudo chmod 755 /usr/bin/youtube-dl
   ```

5. Add PPA

   ```
   sudo add-apt-repository ppa:nilarimogard/webupd8
   ```

6. Update package repo

   ```
   sudo apt-get update -y
   sudo apt-get install youtube-dlg -y
   ```

To use youtube-dl:

- install all the available options

  ```
  youtube-dl --h
  ```

- download a playlist as mp4 (format code = 18)

  ```
  youtube-dl -f 18 https://www.youtube.com/watch?v=j_JgXJ-apXs
  ```

- if you want to check available formats

  ```
  youtube-dl -F https://www.youtube.com/watch?v=j_JgXJ-apXs
  ```

- download mp3 format

  ```
  youtube-dl https://www.youtube.com/watch?v=j_JgXJ-apXs -x --audio-format mp3
  ```

- if the playlist is behind a proxy

  ```
  youtube-dl --proxy http://proxy-ip:port https://www.youtube.com/watch?v=j_JgXJ-apXs
  ```

- download from a specified list of URLs

  ```
  youtube-dl -a youtube-list.txt ## but first save URLs in youtube-list.txt, one per line
  ```

Source https://askubuntu.com/questions/784240/how-can-i-download-a-youtube-playlist
Source https://www.howtoforge.com/tutorial/install-and-use-youtube-dl-on-ubuntu-1604/

texlive for knitr (from terminal)

```
sudo apt-get update
sudo apt-get install texlive-latex-extra
```

Source https://linuxconfig.org/how-to-install-latex-on-ubuntu-18-04-bionic-beaver-linux

Citrix Receiver

Step 1. Go to the Citrix receiver for Linux download page and download the Debian full package. The filename will look like this: icaclient_13.3.0.344519_amd64.deb.

Step 2. Right-click > Open with Software Install > Install. Or alternatively, open and install the package using the Software Center or gdebi.

Step 3. (Now follow steps 5-8 from https://help.ubuntu.com/community/CitrixICAClientHowTo, namely (from terminal):

Add more SSL certificates

```
sudo ln -s /usr/share/ca-certificates/mozilla/* /opt/Citrix/ICAClient/keystore/cacerts/
sudo c_rehash /opt/Citrix/ICAClient/keystore/cacerts/
```

Configure Citrix Receiver `/opt/Citrix/ICAClient/util/configmgr &`

Fix Firefox plugin installation (64-bit only)

```
sudo rm -f /usr/lib/mozilla/plugins/npwrapper.npica.so /usr/lib/firefox/plugins/npwrapper.npica.so
sudo rm -f /usr/lib/mozilla/plugins/npica.so
sudo ln -s /opt/Citrix/ICAClient/npica.so /usr/lib/mozilla/plugins/npica.so
sudo ln -s /opt/Citrix/ICAClient/npica.so /usr/lib/firefox-addons/plugins/npica.so
```

Configure Firefox In Firefox, go to Tools -> Add-ons -> Plugins, and make sure the "Citrix Receiver for Linux" plugin is set to "Always Activate".

Source https://askubuntu.com/questions/40723/how-do-i-install-citrix-receiver#44137

R and RStudio

Step 1. From terminal:

```
sudo apt install r-base-core
```

Step 2. Download RStudio from https://www.rstudio.com/products/rstudio/download/#download Go to Downloads > right-click rstudio-xenial-1.1.453-amd64.deb > Open with Software Install > Install To launch, Search your computer > type "RStudio"

Source https://www.youtube.com/watch?v=P8wx4HY9me0

System Settings (left menu bar)

Appearance > Look (reduce launcher icon size to 40) > Behaviour (show menus in title bar, select always displayed) *Brightness & lock >* (never turn off, lock OFF) *Security & Privacy > Files & Applications* (Record usage OFF, clear usage data, untick all) *User Accounts >* (tick show my login in the menu bar)

Firefox preferences:

Open *Firefox > Preferences General* (Home page https://duckduckgo.com/) *Search* (Set default search engine to https://duckduckgo.com/) *Privacy & Security > History* (set to Never Remember, clear all history, untick address bar suggestions, Tracking Protection: Always, Untick sending technical data to Firefox)

Install printer/scanner driver for SAMSUNG M2070W on Ubuntu 16.04 LTS:

1. Download the driver

Go to http://www.samsungdrivers.net/samsung-m2070-driver/ Bottom of the page you'll see *"Samsung M2070 Linux Printer/Scanner Driver Download (15.87 MB)"*

2. Go to your Downloads directory and decompress the downloaded archive:

Right-click > Extract Here (or in the terminal run: `tar -xvzf ULD_v1.00.29.tar.gz`)

3. Open the terminal (Ctrl+Alt+T) and navigate the uld directory:

```
cd Downloads/uld
```

4. Run the install-printer.sh file:

`sudo sh ./install-printer.sh` (follow install instructions, `y` to confirm, `Enter` repeatedly to skip through the EULA)

5. Run the install-scanner.sh file:

`sudo sh ./install-scanner.sh`(follow install instructions, `Enter` or `y` to confirm)

6. Connect the printer to your PC and turn it on

7. Open System Settings > Printers > Add > (select Samsung M2070) > Forward > Apply