LaTeX

An Installation guide to LaTeX Environment

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Installation candidates

Two types of files are available.

1. Latex base files
2. Complete ISO file

Base files contains only essential packages to compile a document.

Command line options

The following packages can be downloaded via CLI in most of the Linux machines.

- texlive-base - 160 MB
- texlive-latex-recommended - 203 MB
- texlive - 269 MB
- texlive-latex-extra - 464 MB
- texlive-full - 5903 MB

In the above, for common users `texlive-base` with either `texlive` or `texlive-latex-extra` is enough.

If you are using Ubuntu profession targeted packages are also available.

- texlive-publishers
- texlive-science
- texlive-pstricks
- texlive-pictures
- texlive-metapost
- texlive-music
- texlive-xetex
- texlive-luatex
- texlive-games
- texlive-humanities

CLI installaion

For Ubuntu:

> sudo apt install texlive-base

For Fedora:

> sudo dnf install texlive-base

For Arch:

> sudo pacman -Syu texlive-base

ISO file installation

For modern documents it is recommended to use .iso file

The ISO file can be downloaded from here: TexLive 2020

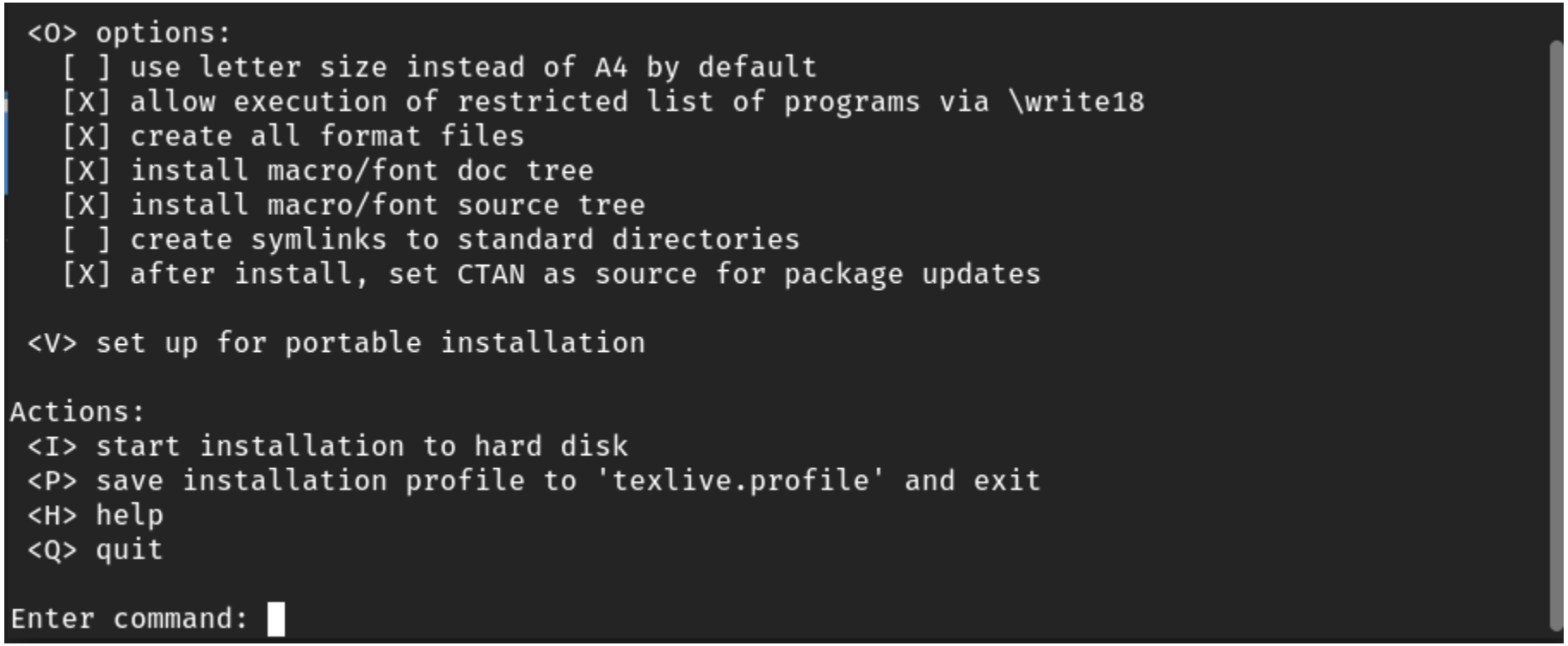
In linux machine, right click the iso and open it with image mounter.

Now, you should see the image mounted and files should also be accessible.

In the case of macOS, go to *Disk utility* and choose *Open Image File*. You should be see the image file mounted on the Desktop.

Here after the installation is pretty striaght forward.

1. Open or navigate the terminal to Texlive directory
2. Run `sudo ./install-tl`
3. It will prompt to an window like this:

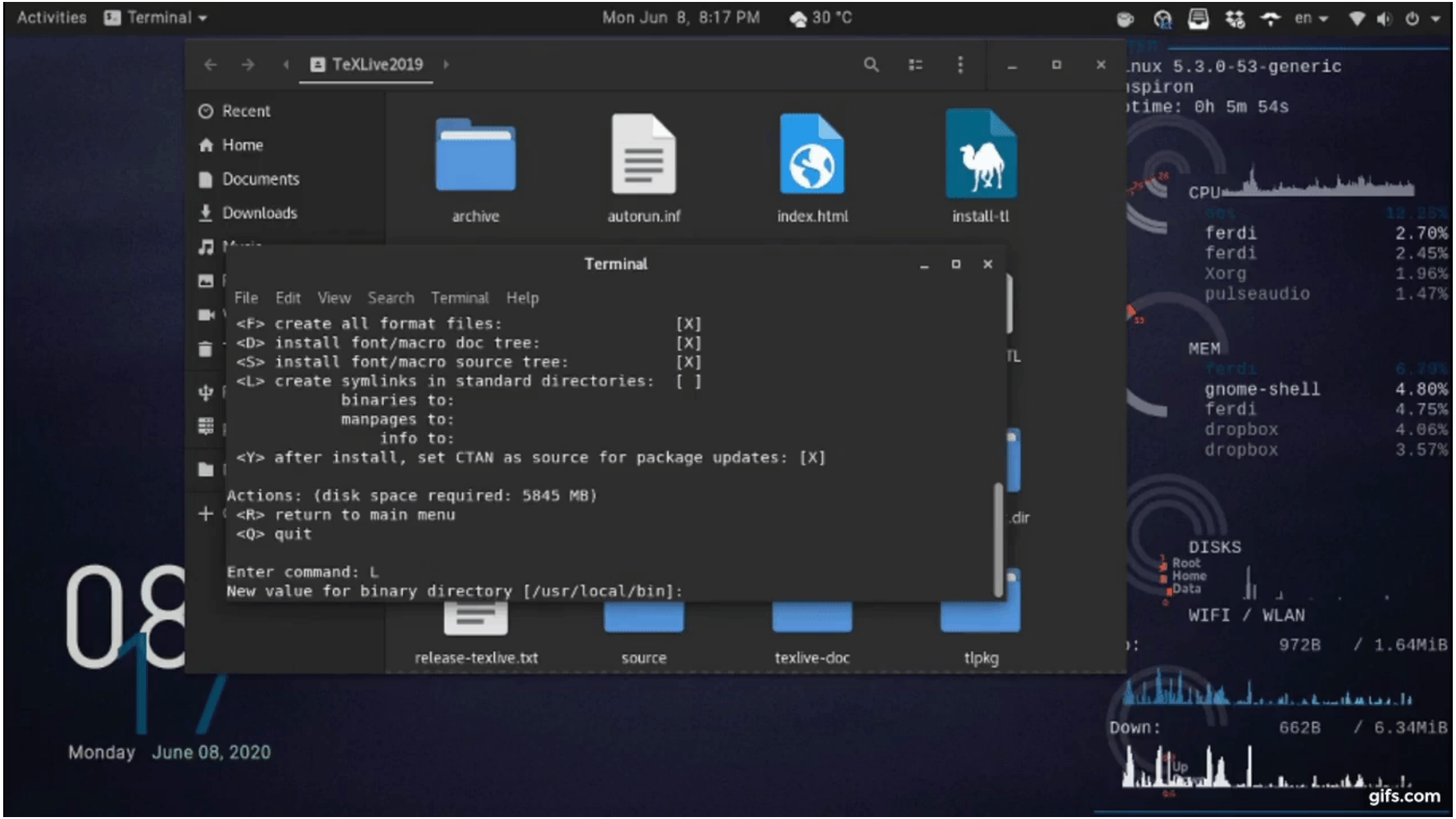


4. Enter `o` as the command

```
================================================================================
Options customization:

 <P> use letter size instead of A4 by default: [ ]
 <E> execution of restricted list of programs: [X]
 <F> create all format files:                  [X]
 <D> install font/macro doc tree:              [X]
 <S> install font/macro source tree:           [X]
 <L> create symlinks in standard directories:  [ ]
            binaries to:
            manpages to:
                info to:
 <Y> after install, set CTAN as source for package updates: [X]

Actions: (disk space required: 5845 MB)
 <R> return to main menu
 <Q> quit

Enter command:
```

5. Now choose L in the command and accept the default values
6. Then enter R to return menu and and type I to begin the installation
7. It would tale 10 - 15 mins depending on machine configuration.
8. Once the installation finished type `latex --version` to verify the installation

Video Demo


Activities
Terminal
Mon Jun 8, 8:17 PM
30 °C
en
TeXLive2019
Recent
Home
Documents
Downloads
archive
autorun.inf
index.html
install-tl
Terminal
File Edit View Search Terminal Help
<F> create all format files: [X]
<D> install font/macro doc tree: [X]
<S> install font/macro source tree: [X]
<L> create symlinks in standard directories: [ ]
binaries to:
manpages to:
info to:
<Y> after install, set CTAN as source for package updates: [X]
Actions: (disk space required: 5845 MB)
<R> return to main menu
<Q> quit
Enter command: L
New value for binary directory [/usr/local/bin]:
release-texlive.txt
source
texlive-doc
tlpkg
Monday June 08, 2020
CPU
ferdi 2.70%
ferdi 2.45%
Xorg 1.96%
pulseaudio 1.47%
MEM
gnome-shell 4.80%
ferdi 4.75%
dropbox 4.06%
dropbox 3.57%
DISKS
Root
Home
Data
WIFI / WLAN
Down: 662B / 6.34MiB
gifs.com

Thank You

Comment the link for queries

Or mail to `contact@prvn.ino`