

# Software Recommendations

General comments on open source, floss software local vs. Cloud apps

This is a list of recommended cross-platform FLOSS software. Much of the functionality provided by these programs is also available via cloud based apps. That is not what this list is about.

The software packages listed here are recommended based on the following criteria:

1. Must be free, libre, open source software (FLOSS)
2. Must be available for use on Windows, Linux, and OS-X
3. Should be similar (or superior) in functionality to commercial alternatives
4. Should be well-documented and easy to use.

comments on standardized file formats

## General Office Productivity Software

### *Basic Office Applications*

#### **Simple text editor**

kate

#### **word processor**

LibreOffice - Writer

Abiword

#### **spreadsheet**

LibreOffice - calc

#### **presentation software**

LibreOffice - impress

#### **Project Management**

GantPV

ProjectLibre

OpenProject

## **Flowchart Drawing tool**

LibreOffice -

Dia -

## **Desktop Publishing**

Scribus

## ***PIM/Connectivity apps***

### **email client**

Thunderbird

### **calendar**

Lightning

### **contact management**

### **Messenger**

Pidgin (formerly known as Gaim)

## ***General File manager/viewer apps***

### **Document viewer**

Sumatra PDF

### **Image Viewer**

### **File Manager**

Dolphin - <https://opensource.com/life/15/8/comprehensive-guide-dolphin-file-manager>

### **Archive manager**

peazip

7-zip

### **Image Library Manager**

Shotwell – gnome only

digiKam – KDE only

## ***Accounting Software***

Gnucash

kmymoney

## **Ebook Library Manager**

Calibre – ebook manager that can also convert ebook formats

## ***Network Apps***

### **Web Browser**

Chrome

Firefox

### **FTP clients**

Filezilla

### **Bittorrent client**

Deluge

tribler

emule

ares galaxy

azureus

### **Remote desktop tools**

UltraVNC – not cross platform

TightVNC

### **SSH Client**

putty

### **Usenet client**

Hellanzb

### **RSS reader**

Rssowl

feedreader

## **Podcast player**

Juice

podnova

## **Audio/Video/Graphics programs**

### ***Media Players***

Amarok

Clementine

VLC

miro

popcorn time

### ***Audio Editors***

Audacity

LAME

### ***Graphics Editors***

#### **vector graphics editor**

Inkscape

#### **raster graphics editor**

GIMP

GimpShop

Irfanview

### ***Video Editors***

Handbrake – video transcoder for converting from one format to another or ripping DVDs

Blender – 3D animation

Lightworks – professional video editing (gratis not libre, source promised but not yet available)

# Professional Engineering/Scientific/Software Development Tools

## *Software development tools*

### **text editor**

Kate

atom

brackets

### **toolchains**

c compiler

ada compiler

python tools

### **IDE's**

R studio

eclipse

code::blocks

## **Configuration management tools**

Git

mercurial

tortoiseHg

<http://www.ryadel.com/en/using-github-with-mercurial-and-tortoisehg/>

## **Libraries**

OpenCV – computer vision

LLVM

## ***LaTeX tools***

### **Editor**

TexStudio

TexMaker

## **bibliography management**

Jabref

## **graphics tools**

TikzEdt

ipe

LatexDraw

<https://tug.org/pracjourn/2010-1/morales/morales.pdf>

svgcleaner

pgf/tikz

xfig

uniconverter

## **Science**

Avagadro

bkchem

Openchrom

## **System tools**

Virtualbox

owncloud

## **Security/Privacy/Anonymity/Encryption Tools**

Veracrypt

encfs

gpg

Aescrypt

Lastpass

Keepass

keepassx

otp for pidgeon

enigmail for thunderbird

nmap

angy ip scanner

observium

wireshark

## Fonts

### Dejavu

Serif – simple slab serif (ok if you can only have one slab serif, but consider complementing with roboto, kameron) regular and condensed width, regular and bold weight, roman and italic style

Sans – humanist like frutiger or verdana – very visible , regular and condensed width, regular and bold weight, roman and italic style and also an extralight weight roman

Mono – best programmer font – 4 standard styles

math – available from TeX Gyre

### Libertinus

Serif – fork from linux libertine, nice old style – regular, semibold, and bold weights, roman and italic in each plus display and initials

Sans – fork from biolinum, glyphic sans like optima – regular, bold, and italic

Mono – monospaced serif – regular only

math – only in libertinus fork

keyboard - sans characters in key outlines

### Cormorant – Garamond inspired display font with several variants

Roman – display version

Garamond – for body text, larger counters

Upright italic

Infant – with single story a and g

Small Caps

Unicase

all in light, regular, medium, semibold, and bold weights with italics and alternates

### source pro

serif – based on fourier, nice neoclassical (transitional) serif – no italics yet, but available in regular, bold, and semi-bold weights.

sans – similar to franklin gothic grotesk, nice grotesk sans available in roman and italic in ultra light, light, normal, semi-bold, bold, and ultra bold weights.

code – nice programming font – same wieghts as sans but no italics

## Alegreya

serif – old style serif available in regular, italic, bold, bold italic, blakc, black italic

small caps – same 6 styles

sans - thin, light, medium, bold, extra bold, and black. Regular and italic for each

sans small caps – looks a little like bank gothic

TeX Gyre –metric compatible with originals and similar appearance also available in Postscript type 1 format for LaTeX. All but Chorus available in 4 styles

Pagella – palatino with Math

Heros - helvetica

Aventur – Avant Garde

Cursor - Courier

Bonum – Bookman with Math

Termes – times new roman with Math

Schola – century schoolbook with Math

Chorus – Zapf Chancery script

Latin Modern – Computer modern and concrete?

Roman standard

10 pt – regular, italic, bold, bold italic, small caps regular and oblique, demibold regular and oblique

7,8,9,12 pt – regular, italic, bold

5,6 pt – regular, bold

17 pt regular

Roman other

Dunhill – very tall and narrow font regular and oblique

Unslanted Italic

slanted 8,9,10,12, 17 regular, 10 bold

Sans regular

10 pt regular, oblique, bold, bold oblique



8,9,12,17 regular and oblique  
sans other  
    sans demi condensed – regular, oblique  
    sans quotation (extended) – regular, oblique, bold, bold, oblique  
lm mono – monospaced slab Typewriter font  
10 pt – regular, oblique, small caps regular, oblique  
8 pt, 9 pt, 12 pt – regular only  
lm mono light - regular, oblique, bold, bold oblique  
lm mono light condensed - regular, oblique  
lm mono proportional – proportional slab typewriter font - regular, oblique  
mn mono light proportional – regular, oblique, bold, bold oblique  
math

Liberation and Croscore/Crosextra fonts as replacements for Microsoft default fonts. Metric compatible but different (better) appearance of glyphs from originals

    Liberation serif – tinos – based on ascender serif replaces times new roman  
    Liberation sans – arimo – based on ascender sans arial replacement  
    Liberation mono – cousine based on ascender uni duo– courier replacement  
    Carlito – based on lato replaces calibri  
Caladea – based on cambo replaces cambria  
Inconsensci – based on inconsolata replaces consolas  
Gelasio – replaces georgia  
monacal based on felipa replaces monotype corsiva ???  
tagoni – based on Telex ???

## **Others that might be interesting?**

<https://d3js.org/> - data driven documents?

<http://lifehacker.biz/articles/best-open-source-software/>